

Appendix A. Traffic Counts and Traffic Data

This appendix contains tables presenting the traffic counts with measured vehicle speeds during ambient noise level measurements and traffic data for Existing and Future conditions.

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Retrofit SoundWall Project																									
Traffic Counts During Noise Monitoring																									
	No. of		Traffic Counts (15 min)				Distribution				Traffic Volume (Hourly)				Lanes 1&2				Lane(s) 3(&4)				Measured Speed		
Traffic Counts	Lanes		Auto	Medium	Heavy		Auto	Medium	Heavy		Auto	Medium	Heavy		Auto	Medium	Heavy		Auto	Medium	Heavy		Auto	Medium	Heavy
Set 1 (ST-1.1, 1.2)																									
SR-41 NB	3		762	27	14		0.949	0.034	0.017		3,048	108	56		2,032	72	37		1,016	36	19		65	65	55
SR-41 SB	4		598	17	28		0.930	0.026	0.044		2,392	68	112		1,196	34	56		1,196	34	56		66	66	56
SR-41 NB - South of Tulare Ramps	3		848	30	15		0.950	0.034	0.017		3,392	120	60		2,261	80	40		1,131	40	20		65	65	55
SR-41 SB - South of Tulare Ramps	4		660	19	29		0.932	0.027	0.041		2,640	76	116		1,320	38	58		1,320	38	58		66	66	56
SR-41 NB Off-Ramp at Tulare Avenue			86	3	1		0.956	0.033	0.011		344	12	4										45	45	45
SR-41 SB On-Ramp from Tulare Avenue			62	2	1		0.954	0.031	0.015		248	8	4										65	65	55
Huntington Blvd WB			8	0	0		1.000	0.000	0.000		32	0	0										25	25	25
Huntington Blvd EB			8	0	0		1.000	0.000	0.000		32	0	0										32	32	32
Set 2 (ST-2.1 and ST-2.2)																									
SR-41 NB	3		996	26	16		0.960	0.025	0.015		3,984	104	64		2,656	69	43		1,328	35	21		67	67	57
SR-41 SB	3		1,000	20	20		0.962	0.019	0.019		4,000	80	80		2,667	53	53		1,333	27	27		66	66	56
Set 3 (ST-2.3)																									
SR-41 NB	3		1,137	29	16		0.962	0.025	0.014		4,548	116	64		3,032	77	43		1,516	39	21		68	68	58
SR-41 SB	3		1,093	16	21		0.967	0.014	0.019		4,372	64	84		2,915	43	56		1,457	21	28		69	69	59
E Clinton Avenue WB			95	2	1		0.969	0.020	0.010		380	8	4										40	40	40
E Clinton Avenue EB			86	1	0		0.989	0.011	0.000		344	4	0										40	40	40
Set 4 (ST-3.1 and ST-3.2)																									
SR-168 NB	3		791	8	17		0.969	0.010	0.021		3,164	32	68		2,109	21	45		1,055	11	23		70	70	60
SR-168 SB	3		739	23	4		0.965	0.030	0.005		2,956	92	16		1,971	61	11		985	31	5		70	70	60
Set 5 (ST-3.3 and 3.4)																									
SR-168 NB	3		940	15	6		0.978	0.016	0.006		3,760	60	24		2,507	40	16		1,253	20	8		70	70	60
SR-168 SB	3		791	25	9		0.959	0.030	0.011		3,164	100	36		2,109	67	24		1,055	33	12		70	70	60
Gettysburg Avenue WB			78	3	2		0.940	0.036	0.024		312	12	8										40	40	40
Gettysburg Avenue EB			86	0	0		1.000	0.000	0.000		344	0	0										40	40	40
Set 6 (ST-4.1 and 4.2)																									
SR-168 NB	3		560	23	7		0.949	0.039	0.012		2,240	92	28		1,493	61	19		747	31	9		72	72	62
SR-168 SB	3		524	8	11		0.965	0.015	0.020		2,096	32	44		1,397	21	29		699	11	15		68	68	58
SR-168 NB Off-Ramp from McKinley Avenue			100	1	1		0.980	0.010	0.010		400	4	4										65	65	55
SR-168 SB Off-Ramp to McKinley Avenue			85	0	0		1.000	0.000	0.000		340	0	0										45	45	45

Retrofit SoundWall Project																									
Traffic Counts During Noise Monitoring																									
	No. of Lanes		Traffic Counts (15 min)				Distribution				Traffic Volume (Hourly)				Lanes 1&2				Lane(s) 3(&4)				Measured Speed		
Traffic Counts			Auto	Medium	Heavy		Auto	Medium	Heavy		Auto	Medium	Heavy		Auto	Medium	Heavy		Auto	Medium	Heavy		Auto	Medium	Heavy
Set 7 (ST-4.3 and 4.4)																									
SR-168 NB	3		547	13	5		0.968	0.023	0.009		2,188	52	20		1,459	35	13		729	17	7		69	69	59
SR-168 SB	3		449	8	9		0.964	0.017	0.019		1,796	32	36		1,197	21	24		599	11	12		70	70	60
SR-168 NB Off-Ramp from McKinley Avenue			108	2	0		0.982	0.018	0.000		432	8	0										65	65	55
SR-168 SB Off-Ramp to McKinley Avenue			86	2	0		0.977	0.023	0.000		344	8	0										45	45	45
E. Clinton Avenue WB			59	2	0		0.967	0.033	0.000		236	8	0										40	40	40
E. Clinton Avenue EB			61	0	1		0.984	0.000	0.016		244	0	4										40	40	40
Set 8 (ST-5.1 and 5.2)																									
SR-168 NB	3		625	6	8		0.978	0.009	0.013		2,500	24	32		1,667	16	21		833	8	11		72	72	62
SR-168 SB	3		478	10	6		0.968	0.020	0.012		1,912	40	24		1,275	27	16		637	13	8		71	71	61
SR-168 NB Off-Ramp to E Shields Avenue			68	2	1		0.958	0.028	0.014		272	8	4										45	45	45
SR-168 SB Off-Ramp from E Shields Avenue			52	1	0		0.981	0.019	0.000		208	4	0										65	65	55
E Clinton Avenue WB			63	5	0		0.926	0.074	0.000		252	20	0										40	40	40
E Clinton Avenue EB			60	1	0		0.984	0.016	0.000		240	4	0										40	40	40
Set 9 (ST-5.3 and 5.4)																									
SR-168 NB	3		526	13	7		0.963	0.024	0.013		2,104	52	28		1,403	35	19		701	17	9		70	70	60
SR-168 SB	3		488	13	10		0.955	0.025	0.020		1,952	52	40		1,301	35	27		651	17	13		70	70	60
SR-168 NB Off-Ramp to E Shields Avenue			59	2	1		0.952	0.032	0.016		236	8	4										45	45	45
SR-168 SB Off-Ramp from E Shields Avenue			60	1	0		0.984	0.016	0.000		240	4	0										65	65	55
Set 10 (ST-5.5)																									
SR-168 NB	3		649	6	8		0.979	0.009	0.012		2,596	24	32		1,731	16	21		865	8	11		70	70	60
SR-168 SB	3		565	12	8		0.966	0.021	0.014		2,260	48	32		1,507	32	21		753	16	11		69	69	59
SR-168 NB Off-Ramp to E Shields Avenue			64	3	0		0.955	0.045	0.000		256	12	0										45	45	45
SR-168 SB Off-Ramp from E Shields Avenue			65	2	1		0.956	0.029	0.015		260	8	4										65	65	55
E Shields Avenue WB			83	2	0		0.976	0.024	0.000		332	8	0										35	35	35
E Shields Avenue EB			112	2	0		0.982	0.018	0.000		448	8	0										35	35	35

Appendix B. Predicted Future Noise Levels and Noise Barrier Analysis

This appendix contains tables that summarize the traffic noise modeling results for Existing and Future conditions. This table also compares the predicted noise reductions by barrier height for each noise barrier analyzed.

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Table B-1. Predicted Future Noise and Noise Barrier Analysis

Receptor No.	NB No.	Location	Land Use	No. of Dwelling Units/ Receptors	Existing Worst-Hour Noise Level, dBA L _{eq} (h)	Future Worst-Hour Noise Levels, dBA L _{eq} (h)																					
						Future Noise Level		Activity Category (NAC)	Impact Type	Noise Prediction with Barrier, Barrier I.L., and NBR																	
										6 ft			8 ft			10 ft			12 ft			14 ft			16 ft		
						Future Worst-Case Noise Levels	Future Minus Existing Conditions			L _{eq} (h)	I.L. ¹	NBR	L _{eq} (h)	I.L.	NBR	L _{eq} (h)	I.L.	NBR	L _{eq} (h)	I.L.	NBR	L _{eq} (h)	I.L.	NBR	L _{eq} (h)	I.L.	NBR
R-1.1	1-1	Huntington Boulevard	Recreational	1	74 ²	76	2	C(67)	E ³	-- ⁴	--	--	72	4	0	70 ⁵	6	1	69	7	1	68	8	1	67	9	1
R-1.2		Huntington Boulevard	Recreational	1	70	72	2	C(67)	E	--	--	--	69	3	0	68	4	0	67	5	1	66	6	1	66	6	1
R-1.3		Huntington Boulevard	Residential	1	71	73	2	B(67)	E	--	--	--	71	2	0	70	3	0	68	5	1	67	6	1	66	7	1
R-1.4		Huntington Boulevard	Residential	1	61	63	2	B(67)	None	--	--	--	61	2	0	60	3	0	59	4	0	58	5	1	57	6	1
R-1.5		Huntington Boulevard	Residential	1	60	61	1	B(67)	None	--	--	--	60	1	0	59	2	0	58	3	0	57	4	0	57	4	0
R-1.6		Huntington Boulevard	Residential	1	59	60	1	B(67)	None	--	--	--	59	1	0	58	2	0	57	3	0	56	4	0	56	4	0
R-1.7		Huntington Boulevard	Residential	1	66	68	2	B(67)	E	--	--	--	68	0	0	67	1	0	67	1	0	66	2	0	66	2	0
R-1.8		Huntington Boulevard	Residential	1	71	73	2	B(67)	E	--	--	--	71	2	0	69	4	0	67	6	1	66	7	1	65	8	1
R-1.9		Huntington Boulevard	Residential	1	58	60	2	B(67)	None	--	--	--	60	0	0	59	1	0	59	1	0	59	1	0	59	1	0
R-1.10		Huntington Boulevard	Residential	1	58	59	1	B(67)	None	--	--	--	59	0	0	59	0	0	58	1	0	58	1	0	58	1	0
R-1.11		Huntington Boulevard	Residential	1	59	61	2	B(67)	None	--	--	--	61	0	0	60	1	0	60	1	0	60	1	0	59	2	0
R-1.12		Huntington Boulevard	Residential	1	67	68	1	B(67)	E	--	--	--	67	1	0	66	2	0	66	2	0	66	2	0	65	3	0
R-1.13		Huntington Boulevard	Residential	1	66	67	1	B(67)	None	--	--	--	66	1	0	65	2	0	64	3	0	63	4	0	62	5	1
R-1.14		Huntington Boulevard	Residential	1	59	61	2	B(67)	None	--	--	--	60	1	0	60	1	0	60	1	0	59	2	0	59	2	0
R-1.15		Huntington Boulevard	Residential	1	60	61	1	B(67)	None	--	--	--	61	0	0	61	0	0	60	1	0	60	1	0	59	2	0
R-1.16		Huntington Boulevard	Residential	1	60	62	2	B(67)	None	--	--	--	61	1	0	61	1	0	60	2	0	60	2	0	59	3	0
R-1.17		Huntington Boulevard	Residential	1	61	62	1	B(67)	None	--	--	--	62	0	0	61	1	0	61	1	0	61	1	0	60	2	0
R-1.18		Huntington Boulevard	Residential	1	64	65	1	B(67)	None	--	--	--	64	1	0	63	2	0	62	3	0	61	4	0	60	5	1
R-1.19		Huntington Boulevard	Residential	1	55	57	2	B(67)	None	--	--	--	56	1	0	56	1	0	55	2	0	55	2	0	54	3	0
R-1.20		Huntington Boulevard	Residential	1	58	60	2	B(67)	None	--	--	--	59	1	0	59	1	0	59	1	0	59	1	0	59	1	0
R-1.21		Huntington Boulevard	Residential	1	60	62	2	B(67)	None	--	--	--	62	0	0	62	0	0	62	0	0	61	1	0	61	1	0
R-1.22		Huntington Boulevard	Residential	1	68	69	1	B(67)	E	--	--	--	68	1	0	67	2	0	67	2	0	67	2	0	66	3	0
R-1.23		Huntington Boulevard	Residential	1	69	70	1	B(67)	E	--	--	--	69	1	0	68	2	0	68	2	0	68	2	0	67	3	0
R-1.24		Huntington Boulevard	Residential	1	61	63	2	B(67)	None	--	--	--	61	2	0	61	2	0	60	3	0	59	4	0	59	4	0
R-1.25		Huntington Boulevard	Residential	1	60	61	1	B(67)	None	--	--	--	60	1	0	60	1	0	59	2	0	58	3	0	57	4	0
R-1.26		Huntington Boulevard	Residential	1	59	60	1	B(67)	None	--	--	--	59	1	0	59	1	0	58	2	0	57	3	0	57	3	0
R-1.27		Huntington Boulevard	Residential	1	60	62	2	B(67)	None	--	--	--	62	0	0	62	0	0	61	1	0	61	1	0	61	1	0
R-1.28		Huntington Boulevard	Residential	1	71	73	2	B(67)	E	--	--	--	72	1	0	72	1	0	72	1	0	72	1	0	72	1	0
R-1.29		Huntington Boulevard	Residential	1	62	64	2	B(67)	None	--	--	--	64	0	0	64	0	0	64	0	0	64	0	0	64	0	0
R-1.30		Huntington Boulevard	Residential	1	60	62	2	B(67)	None	--	--	--	61	1	0	61	1	0	61	1	0	61	1	0	61	1	0
R-1.31		Huntington Boulevard	Residential	1	59	60	1	B(67)	None	--	--	--	60	0	0	60	0	0	60	0	0	60	0	0	60	0	0
R-1.32		Huntington Boulevard	Residential	1	59	60	1	B(67)	None	--	--	--	60	0	0	59	1	0	59	1	0	59	1	0	59	1	0
R-1.33		Huntington Boulevard	Residential	2	58	60	2	B(67)	None	-- ⁶	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
R-1.34		Huntington Boulevard	Residential	2	56	58	2	B(67)	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
R-1.35		Huntington Boulevard	Residential	2	55	57	2	B(67)	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
R-1.36		Huntington Boulevard	Residential	2	58	60	2	B(67)	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
R-1.37		Huntington Boulevard	Residential	3	58	59	1	B(67)	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

Table B-1. Predicted Future Noise and Noise Barrier Analysis

Receptor No.	NB No.	Location	Land Use	No. of Dwelling Units/ Receptors	Existing Worst-Hour Noise Level, dBA L _{eq} (h)	Future Worst-Hour Noise Levels, dBA L _{eq} (h)																					
						Future Noise Level		Activity Category (NAC)	Impact Type	Noise Prediction with Barrier, Barrier I.L., and NBR																	
										6 ft			8 ft			10 ft			12 ft			14 ft			16 ft		
						Future Worst-Case Noise Levels	Future Minus Existing Conditions			L _{eq} (h)	I.L. ¹	NBR	L _{eq} (h)	I.L.	NBR	L _{eq} (h)	I.L.	NBR	L _{eq} (h)	I.L.	NBR	L _{eq} (h)	I.L.	NBR	L _{eq} (h)	I.L.	NBR
R-1.38		Huntington Boulevard	Residential	3	56	57	1	B(67)	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
R-1.39		Huntington Boulevard	Residential	2	57	58	1	B(67)	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
R-1.40		Huntington Boulevard	Residential	1	57	58	1	B(67)	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
R-1.41		Huntington Boulevard	Residential	2	55	57	2	B(67)	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
R-1.42		Huntington Boulevard	Residential	2	56	57	1	B(67)	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
R-1.43		Huntington Boulevard	Residential	1	56	57	1	B(67)	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
R-1.44		Huntington Boulevard	Residential	1	57	58	1	B(67)	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
R-1.45		Huntington Boulevard	Residential	1	63	64	1	B(67)	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
R-1.46	1-2	Huntington Boulevard	Residential	1	68	70	2	B(67)	E	64	6	1	63	7	1	62	8	1	61	9	1	61	9	1	61	9	1
R-2.1	2-1	E. Cambridge Avenue	Residential	1	69	70	1	B(67)	E	64	6	1	63	7	1	62	8	1	61	9	1	61	9	1	61	9	1
R-2.2		E. Cambridge Avenue	Residential	1	69	69	0	B(67)	E	67	3	0	66	4	0	65	5	1	64	6	1	64	6	1	63	7	1
R-2.3		E. Cambridge Avenue	Residential	2	69	70	1	B(67)	E	67	2	0	66	3	0	65	4	0	64	5	2	64	5	2	63	6	2
R-2.4		E. Berkeley Avenue	Residential	1	68	69	1	B(67)	E	67	3	0	66	4	0	64	6	1	63	7	1	63	7	1	62	8	1
R-2.5		E. Cambridge Avenue	Residential	2	67	68	1	B(67)	E	66	3	0	65	4	0	64	5	2	63	6	2	62	7	2	62	7	2
R-2.6		E. Berkeley Avenue	Residential	2	68	69	1	B(67)	E	65	3	0	64	4	0	63	5	2	62	6	2	61	7	2	61	7	2
R-2.7		E. Yale Avenue	Residential	1	67	68	1	B(67)	E	65	4	0	65	4	0	63	6	1	62	7	1	62	7	1	61	8	1
R-2.8		E. Yale Avenue	Residential	2	66	67	1	B(67)	None	64	4	0	64	4	0	62	6	2	61	7	2	60	8	2	59	9	2
R-2.9		E. Vassar Avenue	Residential	2	66	67	1	B(67)	None	64	3	0	63	4	0	61	6	1	60	7	2	59	8	2	59	8	2
R-2.10		E. Vassar Avenue	Residential	1	66	66	0	B(67)	None	65	2	0	64	3	0	63	4	0	62	5	1	61	6	1	61	6	1
R-2.11		E. Yale Avenue	Residential	2	65	66	1	B(67)	None	64	2	0	64	2	0	62	4	0	61	5	2	61	5	2	60	6	2
R-2.12		E. Vassar Avenue	Residential	1	69	70	1	B(67)	E	64	2	0	63	3	0	62	4	0	61	5	1	60	6	1	60	6	1
R-2.13		E. Vassar Avenue	Residential	1	68	68	0	B(67)	E	69	1	0	69	1	0	69	1	0	68	2	0	68	2	0	68	2	0
R-2.14		E. Vassar Avenue	Residential	1	69	69	0	B(67)	E	68	0	0	67	1	0	67	1	0	67	1	0	66	2	0	66	2	0
R-3.1		N. Sierra Vista Avenue	Residential	2	60	61	1	B(67)	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
R-3.2		N. Sierra Vista Avenue	Residential	2	61	62	1	B(67)	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
R-3.3		N. Sierra Vista Avenue	Residential	1	61	62	1	B(67)	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
R-3.4		N. Whitney Avenue	Residential	2	61	62	1	B(67)	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
R-3.5		E. Donner Avenue	Residential	1	63	64	1	B(67)	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
R-3.6		E. Donner Avenue	Residential	1	62	63	1	B(67)	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
R-3.7		E. Donner Avenue	Residential	1	62	63	1	B(67)	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
R-3.8		N. Whitney Avenue	Residential	2	65	66	1	B(67)	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
R-3.9		E. Norwich Avenue	Residential	2	63	64	1	B(67)	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
R-3.10		E. Norwich Avenue	Residential	2	63	64	1	B(67)	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
R-3.11		E. Norwich Avenue	Residential	2	65	66	1	B(67)	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
R-3.12		E. Norwich Avenue	Residential	1	65	65	0	B(67)	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
R-3.13		E. Norwich Avenue	Residential	1	64	65	1	B(67)	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
R-3.14		E. Gettysburg Avenue	Residential	2	64	64	0	B(67)	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
R-4.1		N. Jackson Avenue	Residential	1	62	63	1	B(67)	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		

Table B-1. Predicted Future Noise and Noise Barrier Analysis

Receptor No.	NB No.	Location	Land Use	No. of Dwelling Units/ Receptors	Existing Worst-Hour Noise Level, dBA L _{eq} (h)	Future Worst-Hour Noise Levels, dBA L _{eq} (h)																					
						Future Noise Level		Activity Category (NAC)	Impact Type	Noise Prediction with Barrier, Barrier I.L., and NBR																	
										6 ft			8 ft			10 ft			12 ft			14 ft			16 ft		
						Future Worst-Case Noise Levels	Future Minus Existing Conditions			L _{eq} (h)	I.L. ¹	NBR	L _{eq} (h)	I.L.	NBR	L _{eq} (h)	I.L.	NBR	L _{eq} (h)	I.L.	NBR	L _{eq} (h)	I.L.	NBR	L _{eq} (h)	I.L.	NBR
R-4.2		N. Jackson Avenue	Residential	2	65	66	1	B(67)	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
R-4.3		N. Jackson Avenue	Residential	1	63	64	1	B(67)	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
R-4.4		E. Weldon Avenue	Residential	1	64	65	1	B(67)	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
R-4.5		E. Weldon Avenue	Residential	1	63	64	1	B(67)	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
R-4.6	4-1	E. Weldon Avenue	Residential	1	65	66	1	B(67)	None	65	1	0	64	2	0	64	2	0	63	3	0	63	3	0	63	3	0
R-4.7		E. Weldon Avenue	Residential	2	64	65	1	B(67)	None	64	1	0	64	1	0	64	1	0	63	2	0	63	2	0	63	2	0
R-4.8		E. Cambridge Avenue	Residential	1	68	69	1	B(67)	E	64	5	1	63	6	1	62	7	1	61	8	1	60	9	1	59	10	1
R-4.9		E. Cambridge Avenue	Residential	1	65	66	1	B(67)	None	64	2	0	63	3	0	63	3	0	62	4	0	62	4	0	62	4	0
R-4.10		E. Cambridge Avenue	Residential	1	62	63	1	B(67)	None	60	3	0	59	4	0	58	5	1	58	5	1	57	6	1	57	6	1
R-4.11		E. Cambridge Avenue	Residential	1	60	61	1	B(67)	None	60	1	0	59	2	0	58	3	0	57	4	0	57	4	0	56	5	1
R-4.12		E. Yale Avenue	Residential	1	68	69	1	B(67)	E	65	4	0	64	5	1	63	6	1	62	7	1	61	8	1	60	9	1
R-4.13		E. Yale Avenue	Residential	1	62	64	2	B(67)	None	61	3	0	61	3	0	60	4	0	59	5	1	59	5	1	58	6	1
R-4.14		N. Hayston Avenue	Residential	4	64	65	1	B(67)	None	63	2	0	62	3	0	61	4	0	61	4	0	60	5	4	59	6	4
R-4.15		N. Hayston Avenue	Residential	4	63	64	1	B(67)	None	62	2	0	62	2	0	61	3	0	61	3	0	60	4	0	60	4	0
R-4.16		E. Vassar Avenue	Residential	1	64	65	1	B(67)	None	63	2	0	64	1	0	63	2	0	63	2	0	62	3	0	62	3	0
R-4.17		E. Vassar Avenue	Residential	1	62	62	0	B(67)	None	61	1	0	61	1	0	61	1	0	60	2	0	60	2	0	59	3	0
R-4.18		E. Clinton Avenue	Residential	2	69	70	1	B(67)	E	68	2	0	67	3	0	66	4	0	66	4	2	65	5	2	65	5	2
R-4.19		E. Clinton Avenue	Residential	2	66	66	0	B(67)	None	66	0	0	65	1	0	65	1	0	65	1	0	65	1	0	65	1	0
R-5.1		E. Terrace Avenue	Residential	2	60	61	1	B(67)	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
R-5.2		E. Terrace Avenue	Residential	2	61	62	1	B(67)	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
R-5.3		E. Terrace Avenue	Residential	1	62	63	1	B(67)	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
R-5.4		E. Terrace Avenue	Residential	1	59	60	1	B(67)	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
R-5.5		E. Harvard Avenue	Residential	1	63	65	2	B(67)	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
R-5.6		E. Harvard Avenue	Residential	1	61	62	1	B(67)	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
R-5.7	5-1	E. Harvard Avenue	Residential	2	69	70	1	B(67)	E	65	5	2	64	6	2	63	7	2	62	8	2	61	9	2	60	10	2
R-5.8		E. Harvard Avenue	Residential	2	55	56	1	B(67)	None	56	0	0	56	0	0	55	1	0	55	1	0	55	1	0	55	1	0
R-5.9		E. Brown Avenue	Residential	2	61	62	1	B(67)	None	61	1	0	61	1	0	61	1	0	60	2	0	60	2	0	60	2	0
R-5.10		E. Brown Avenue	Residential	2	56	58	2	B(67)	None	57	1	0	57	1	0	57	1	0	57	1	0	56	2	0	56	2	0
R-5.11		E. Princeton Avenue	Residential	1	63	65	2	B(67)	None	63	2	0	62	3	0	62	3	0	61	4	0	61	4	0	60	5	1
R-5.12	5-2	E. Princeton Avenue	Residential	1	59	60	1	B(67)	None	59	1	0	59	1	0	58	2	0	58	2	0	58	2	0	58	2	0
R-5.13		E. Michigan Avenue	Residential	1	66	67	1	B(67)	None	64	3	0	63	4	0	63	4	0	62	5	1	61	6	1	60	7	1
R-5.14		E. Michigan Avenue	Residential	1	61	62	1	B(67)	None	60	2	0	60	2	0	59	3	0	59	3	0	58	4	0	58	4	0
R-5.15		E. Michigan Avenue	Residential	2	67	68	1	B(67)	E	62	6	2	61	7	2	60	8	2	59	9	2	58	10	2	57	11	2
R-5.16		E. Michigan Avenue	Residential	2	57	58	1	B(67)	None	57	1	0	57	1	0	56	2	0	56	2	0	56	2	0	56	2	0
R-5.17		E. Cornell Avenue	Residential	2	59	60	1	B(67)	None	59	1	0	59	1	0	59	1	0	58	2	0	58	2	0	58	2	0
R-5.18		E. Cornell Avenue	Residential	2	61	62	1	B(67)	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
R-5.19		E. Cornell Avenue	Residential	2	58	59	1	B(67)	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

Table B-1. Predicted Future Noise and Noise Barrier Analysis

Receptor No.	NB No.	Location	Land Use	No. of Dwelling Units/ Receptors	Existing Worst-Hour Noise Level, dBA L _{eq} (h)	Future Worst-Hour Noise Levels, dBA L _{eq} (h)																				
						Future Noise Level		Activity Category (NAC)	Impact Type	Noise Prediction with Barrier, Barrier I.L., and NBR																
										6 ft			8 ft			10 ft			12 ft			14 ft			16 ft	
						Future Worst-Case Noise Levels	Future Minus Existing Conditions			L _{eq} (h)	I.L. ¹	NBR	L _{eq} (h)	I.L.	NBR	L _{eq} (h)	I.L.	NBR	L _{eq} (h)	I.L.	NBR	L _{eq} (h)	I.L.	NBR	L _{eq} (h)	I.L.
R-5.20		E. Simpson Avenue	Residential	1	64	65	1	B(67)	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.21		E. Simpson Avenue	Residential	2	62	63	1	B(67)	None	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Source: LSA Associates, Inc. (August 2015).

¹ I.L.: Insertion Loss.

² Numbers in bold represent noise levels that approach or exceed the NAC.

³ E = Exceeds the NAC.

⁴ Shaded area represents the existing wall height.

⁵ Underlined noise levels have been attenuated by at least 5 dBA (i.e., feasible barrier height).

⁶ No barrier was analyzed at this location because the modeled receptor would not exceed the NAC.

Appendix C. Supplemental Data

This appendix contains the noise monitoring results and sound level calibration certifications.

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MEMORANDUM

DATE: December 22, 2014

TO: Mr. Tony Boren, Executive Director
Ms. Melissa Garza, Principal Regional Planner

FROM: Amy Fischer, Associate
Tony Chung, Principal

SUBJECT: Retrofit Sound Wall Study – Monitoring Results and Modeling Recommendations

LSA has conducted a survey of all potential noise retrofit sound wall locations, including a review of complaint locations received by Caltrans and the Council of Fresno County Governments (Fresno COG). The purpose of the Retrofit Sound Wall Study is to assist the Fresno COG and its member agencies in identifying whether locations of noise complaints and other areas within Fresno County are eligible for funding under the State Transportation Improvement Program (STIP). Under SB 45, the responsibility for prioritizing and programming noise reduction projects for the STIP was passed to local agencies, such as the Fresno COG. Noise monitoring for this project was conducted between November 25 and December 14, 2014, under ideal weather conditions. Table 1 summarizes the monitoring and survey results for each site.

METHODOLOGY

LSA began this effort with a field inspection of the noise complaint locations as well as a “windshield” survey of potential locations adjacent Fresno County freeways. Through this effort, 12 of the complaint locations were eliminated from further analysis. The identified complaint locations had been gathered over a 15-year period, during which time, many of the locations have had sound walls installed or, in some locations, sensitive receptors are no longer at the location. The reason for exclusion from further analysis is indicated in Table 1.

It should be noted that monitoring was conducted at various times of the day and may not represent the peak hour at that location. This data will be used for model calibration and the subsequent analysis will utilize peak traffic data so that the peak noise scenario will be evaluated.

Short-term measurements were conducted at receptor locations to establish the baseline traffic noise conditions at the selected sites. The locations of the short-term measurements were selected to be representative of noise-sensitive uses that are exposed to the highest noise levels generated by the surrounding roadways. Where feasible, noise monitoring was conducted at noise complaint locations. All data was logged using a field measurement data sheet which included the date, time, location, noise level and other noise sources.

Table 1: Locations Evaluated for Potential Sound Wall Retrofit

Route	Physical Address	Measured Noise Level (dBA L _{eq})	Estimated Benefitting Receptors	Eligibility	Reason	Notes
Noise Monitoring Locations for Consideration of Noise Modeling						
41*	Huntington Park Condominium Village – 2890 Huntington Blvd, Fresno	74.8	20+	Questionable	Project opening year after freeway was built	Units were constructed in 1980. FCOG/Caltrans to determine opening year of 41 as a freeway at this location. Estimates are that freeway opened in 1979 (Caltrans to confirm).
41*	2409 E. Cambridge Avenue, Fresno	69.4	8	Likely		
168*	4531 E. Cambridge Avenue, Fresno (4546 E. Cambridge Complaint location)	67.9	6	Likely		Just north of 5424 E. Weldon Avenue. (Same Receptor Grouping)
168*	4524 E. Weldon Avenue, Fresno	70.3	11	Likely		Residences are very close to travel lanes at grade.
168*	4708 E. Donner Avenue, Fresno (N. Sierra Vista and 4716 E. Indianapolis Complaint Location)	69.0	4-12	Likely		Measurement from 4708 Donner Avenue. Only 4 homes are very close to freeway
168*	4538 E. Cornell Avenue, Fresno	71.3	1-2	Likely		Receptors are limited due to vacant lots/rebuilding of home
41	5231 N. Fresno Street, Fresno (Butterfly Grove Apartments)	73.1	20+	Unlikely	Outdoor use areas associated with the complex are shielded from traffic noise.	According to the criteria, multi-family home impact areas are determined by outdoor use areas.
168	2144 Spruce Avenue, Clovis	60.0	14	Unlikely	Doesn't meet noise level criteria	Home built in 1995.(Type 2 sound walls are for homes built after the freeway was built; Type 1 does not consider homes built after freeway operates)
168	4632 Bonadelle Avenue, Fresno	64.8	~5	Not Likely	Does not meet noise level criteria.	Site could potentially meet the criteria, although the new existing sound wall ends just before receptor. Existing wall results in noise reduction receptors in vicinity.
Other Locations Considered						
41	3613 N. Clark Street, Fresno	80.3 (2000)		Not Eligible	Existing Berm	Noise levels appear to be much lower than 80.3 dBA due to existing berm
41	8390 N. Calaveras Street, Fresno	70.0 (2000)	20+	Not Eligible	Existing Sound wall	Location in Friant/Audubon area
41	2246 E. Andrew Avenue, Fresno	67.0 (2000)	2	Unlikely	Existing Berm	Noise level at receptor location is elevated due to overpass. Other receptors in vicinity are shielded by berm.

Table 1: Locations Evaluated for Potential Sound Wall Retrofit

Route	Physical Address	Measured Noise Level (dBA L _{eq})	Estimated Benefitting Receptors	Eligibility	Reason	Notes
41	2224 E. Princeton, Fresno	68.7 (2004)	1	Unlikely	Existing Berm	
41	Various – Ventura, O Street, Tulare Street, Fresno	73.0 (2012)	0	Not Eligible	No Sensitive Land Uses	Sensitive land uses were not found in area. Some previously residential areas are currently used for commercial uses. Other homes are vacant and boarded up.
99	1000 Belmont, Fresno	68.0	0	Not Eligible	No Sensitive Land Uses	1000 Belmont is at Playland to the north and a gas station to the south. Sensitive uses are on Durant south of Belmont, however these uses are shielded by an effective berm
99	2260 S. Lily, Fresno	68.0 (1990s)		Not Likely	Existing sound wall	Sound wall was likely built after complaint as sound wall appears to be effective
99	339 S. Walnut Drive, Fowler	67.4 (2007)	5	Not Eligible	New Construction of Receptors	Vacant commercial lot adjacent to residences, once developed would block noise from SR 99.
99	8829 S. Temperance	66.0	1	Not Eligible	New construction of Receptor	New single family residential home (Type 2 sound walls are for homes built after the freeway was built; Type 1 does not consider homes built after freeway operates)
180	4050 E. Harvey, Fresno	74.0	20+	Not Eligible	Existing sound wall	New sound wall all along this section of roadway
180	320 N. Fulton Street, Fresno	67.1 (2003)	1			Home blocks other receptors therefore; any barrier would only benefit one receptor. Freeway elevated at this location.
180	912 N. Winery Avenue, Fresno	67.1 (2006)		Not Eligible	Existing sound wall	New sound wall at the new pedestrian bridge shields N. Winery Ave and E. Harvey at this location.

* Candidate for TNM Noise Modeling.

Note: The eligibility of locations for further analysis is based on qualitative, non-technical project eligibility criteria, such as whether the location already has a sound wall, if a roadway improvement is planned in the area within the next 25 years, and whether the housing development impacted by the highway was developed after the highway project.

RESULTS

Based on the measured noise levels, the following locations would potentially be eligible for retrofit barrier funding and therefore should be considered for further analysis.

- 2890 Huntington Boulevard, Fresno
- 2409 E. Cambridge Avenue, Fresno
- 4531 E. Cambridge Avenue and 4524 E. Weldon Avenue (Same receptor grouping for analysis), Fresno
- 4708 E. Donner Avenue, Fresno
- 4538 E. Cornell Avenue, Fresno

NEXT STEPS

The next step in the Retrofit Sound Wall Study will be to conduct detailed traffic noise modeling using the Traffic Noise Model (TNM) for the five eligible locations. LSA will then prepare a Retrofit Sound Wall Study Report.

SHORT-TERM NOISE LEVEL MEASUREMENTS

Noise Measurement Survey

Project Number: FCG1401

Project Name: Retrofit Soundwall Study

Test Personnel: Jason Lui

Equipment: Larson Davis 824 SLM

Site Number: ST-1.1 Date: 5/12/2015

Time: From 10:33 a.m. To 10:48 a.m.

Site Location: 2890 Huntington Boulevard, Fresno, CA. At the tennis court of the Huntington Park Condominium on the east side of the complex. Located on the west side of SR-41 and the south side of Huntington Boulevard.

Primary Noise Sources: Traffic on SR-41.

Measurement Results

	dBA
L _{eq}	68.6
L _{max}	75.4
L _{min}	63.5
L _{peak}	90.3
L ₂	71.2
L ₈	70.3
L ₂₅	69.3
L ₅₀	68.4
SEL	98.1

Atmospheric Conditions:

Maximum Wind Velocity (mph)	3.2
Average Wind Velocity (mph)	1.0
Temperature (F)	70.5
Relative Humidity (%)	31.4
Comments:	

Comments: Approximately 5 ft high wall located along the property line of the residential complex. Buildings are two stories each with 5 units.

Traffic Description:

Roadway	# Lanes	Speeds	NB/EB Counts			SB/WB Counts		
			Auto	MT	HT	Auto	MT	HT

Diagram:



Location Photo:



Noise Measurement Survey

Project Number: FCG1401
Project Name: Retrofit Soundwall Study

Test Personnel: Chris Graham
Equipment: Larson Davis 820 SLM

Site Number: ST-1.2 Date: 5/12/2015

Time: From 10:33 a.m. To 10:48 a.m.

Site Location: 2881 Huntington Boulevard, Fresno, CA. At the parking lot of the Villa Borgata Condominium on the east side of the complex. Located on the west side of SR-41 and the north side of Huntington Boulevard.

Primary Noise Sources: Traffic on SR-41.

Measurement Results

	dBA
L _{eq}	68.0
L _{max}	73.4
L _{min}	59.9
L _{peak}	84.7
L ₂	70.5
L ₈	69.6
L ₂₅	68.6
L ₅₀	67.8
SEL	

Atmospheric Conditions:

Maximum Wind Velocity (mph)	3.2
Average Wind Velocity (mph)	1.0
Temperature (F)	70.5
Relative Humidity (%)	31.4
Comments:	

Comments: Chain link fence along the property line on the east side of the complex.
Buildings are two stories each with 8 units.

Traffic Description:

Roadway	# Lanes	Speeds	NB/EB Counts			SB/WB Counts		
			Auto	MT	HT	Auto	MT	HT

Diagram:



Location Photo:



Noise Measurement Survey

Project Number: FCG1401
Project Name: Retrofit Soundwall Study

Test Personnel: Jason Lui
Equipment: Larson Davis 824 SLM

Site Number: ST-2.1 Date: 5/12/2015 Time: From 11:25 a.m. To 11:40 a.m.

Site Location: 2409 E. Cambridge Avenue, Fresno, CA. In the front yard. Located on the east side of SR-41.

Primary Noise Sources: Traffic on SR-41.

Measurement Results

	dBA
L _{eq}	68.6
L _{max}	73.2
L _{min}	64.1
L _{peak}	86.5
L ₂	71.5
L ₈	70.2
L ₂₅	69.3
L ₅₀	68.4
SEL	98.3

Atmospheric Conditions:

Maximum Wind Velocity (mph)	7.3
Average Wind Velocity (mph)	1.7
Temperature (F)	68.7
Relative Humidity (%)	35.3
Comments:	

Comments: No Wall – only chain link fence. Residence has a 6 ft high wood back fence.

Traffic Description:

Roadway	# Lanes	Speeds	NB/EB Counts			SB/WB Counts		
			Auto	MT	HT	Auto	MT	HT

Diagram:



Location Photo:



Noise Measurement Survey

Project Number: FCG1401
Project Name: Retrofit Soundwall Study

Test Personnel: Chris Graham
Equipment: Larson Davis 820 SLM

Site Number: ST-2.2 Date: 5/12/2015 Time: From 11:25 a.m. To 11:40 a.m.

Site Location: 2325 E. Berkeley Avenue, Fresno, CA. In the backyard. Located on the east side of SR-41.

Primary Noise Sources: Traffic on SR-41.

Measurement Results

	dBA
L _{eq}	67.2
L _{max}	77.5
L _{min}	54.3
L _{peak}	87.6
L ₂	71.9
L ₈	70.1
L ₂₅	68.5
L ₅₀	67.1
SEL	

Atmospheric Conditions:

Maximum Wind Velocity (mph)	7.3
Average Wind Velocity (mph)	1.7
Temperature (F)	68.7
Relative Humidity (%)	35.3
Comments:	

Comments: Chain link fence.

Traffic Description:

Roadway	# Lanes	Speeds	NB/EB Counts			SB/WB Counts		
			Auto	MT	HT	Auto	MT	HT

Diagram:



Location Photo:



Noise Measurement Survey

Project Number: FCG1401
Project Name: Retrofit Soundwall Study

Test Personnel: Jason Lui
Equipment: Larson Davis 824 SLM

Site Number: ST-2.3 Date: 5/12/2015

Time: From 11:50 a.m. To 12:05 p.m.

Site Location: 2308 E. Vassar Avenue, Fresno, CA. In the backyard approximately 15 ft from the wood fence. Located on the east side of SR-41.

Primary Noise Sources: Traffic on SR-41 and some aircraft noise.

Measurement Results

	dB(A)
L _{eq}	66.1
L _{max}	73.0
L _{min}	61.1
L _{peak}	95.2
L ₂	69.8
L ₈	68.1
L ₂₅	66.5
L ₅₀	65.5
SEL	95.6

Atmospheric Conditions:

Maximum Wind Velocity (mph)	2.5
Average Wind Velocity (mph)	0.8
Temperature (F)	72.9
Relative Humidity (%)	29.1
Comments:	

Comments: Approximately 5 ft high wood fence with gaps. Noise meter has line of sight to SR-41.

Traffic Description:

Roadway	# Lanes	Speeds	NB/EB Counts			SB/WB Counts		
			Auto	MT	HT	Auto	MT	HT

Diagram:



Location Photo:



Noise Measurement Survey

Project Number: FCG1401
Project Name: Retrofit Soundwall Study

Test Personnel: Jason Lui
Equipment: Larson Davis 824 SLM

Site Number: ST-3.1 Date: 5/12/2015 Time: From 2:12 p.m. To 2:27 p.m.

Site Location: 4481 N. Sierra Vista Avenue, Fresno, CA. In the backyard. Located on the east side of SR-168.

Primary Noise Sources: Traffic on SR-168.

Measurement Results

	dBA
L _{eq}	60.8
L _{max}	69.6
L _{min}	53.9
L _{peak}	87.5
L ₂	64.7
L ₈	63.3
L ₂₅	61.7
L ₅₀	60.2
SEL	90.4

Atmospheric Conditions:

Maximum Wind Velocity (mph)	3.8
Average Wind Velocity (mph)	1.1
Temperature (F)	82.3
Relative Humidity (%)	18.4
Comments:	

Comments: Approximately 5 ft high fence with large gaps. Portions of the fence have fallen down.

Traffic Description:

Roadway	# Lanes	Speeds	NB/EB Counts			SB/WB Counts		
			Auto	MT	HT	Auto	MT	HT

Diagram:



Location Photo:



Noise Measurement Survey

Project Number: FCG1401
Project Name: Retrofit Soundwall Study

Test Personnel: Chris Graham
Equipment: Larson Davis 820 SLM

Site Number: ST-3.2 Date: 5/12/2015 Time: From 2:12 p.m. To 2:27 p.m.

Site Location: At the cul-de-sac between 4708 and 4715 E. Donner Avenue, Fresno CA.
Located on the east side of SR-168.

Primary Noise Sources: Traffic on SR-168.

Measurement Results

	dB(A)
L _{eq}	65.1
L _{max}	76.0
L _{min}	57.6
L _{peak}	87.8
L ₂	69.1
L ₈	67.5
L ₂₅	66.0
L ₅₀	64.5
SEL	

Atmospheric Conditions:

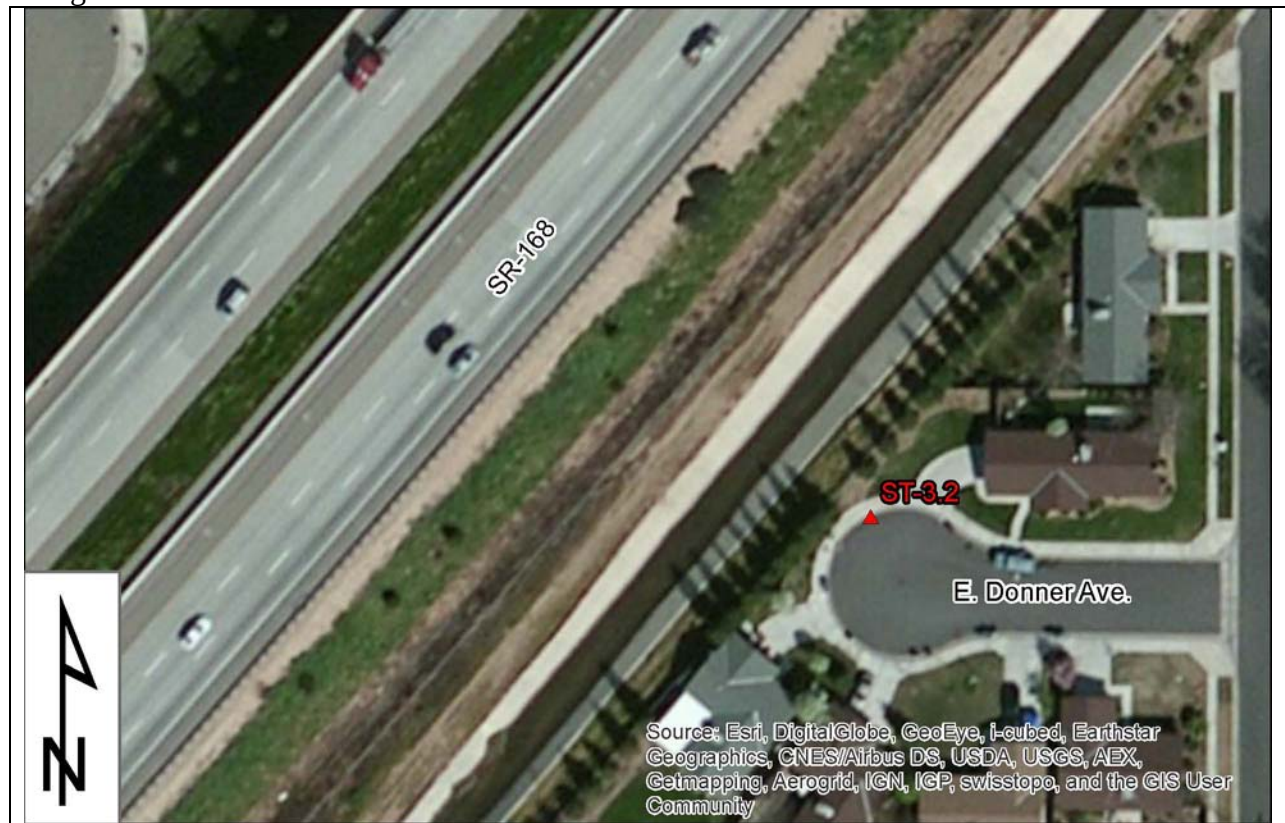
Maximum Wind Velocity (mph)	3.8
Average Wind Velocity (mph)	1.1
Temperature (F)	82.3
Relative Humidity (%)	18.4
Comments:	

Comments: Chain link fence along the property line.

Traffic Description:

Roadway	# Lanes	Speeds	NB/EB Counts			SB/WB Counts		
			Auto	MT	HT	Auto	MT	HT

Diagram:



Location Photo:



Noise Measurement Survey

Project Number: FCG1401
Project Name: Retrofit Soundwall Study

Test Personnel: Jason Lui
Equipment: Larson Davis 824 SLM

Site Number: ST-3.3 Date: 5/12/2015 Time: From 2:40 p.m. To 2:55 p.m.

Site Location: 4720 E. Norwich Avenue, Fresno, CA. In the backyard. Located on the east side of SR-168.

Primary Noise Sources: Traffic on SR-168.

Measurement Results

	dBA
L _{eq}	63.2
L _{max}	68.5
L _{min}	56.4
L _{peak}	85.1
L ₂	66.5
L ₈	65.2
L ₂₅	63.9
L ₅₀	62.9
SEL	93.7

Atmospheric Conditions:

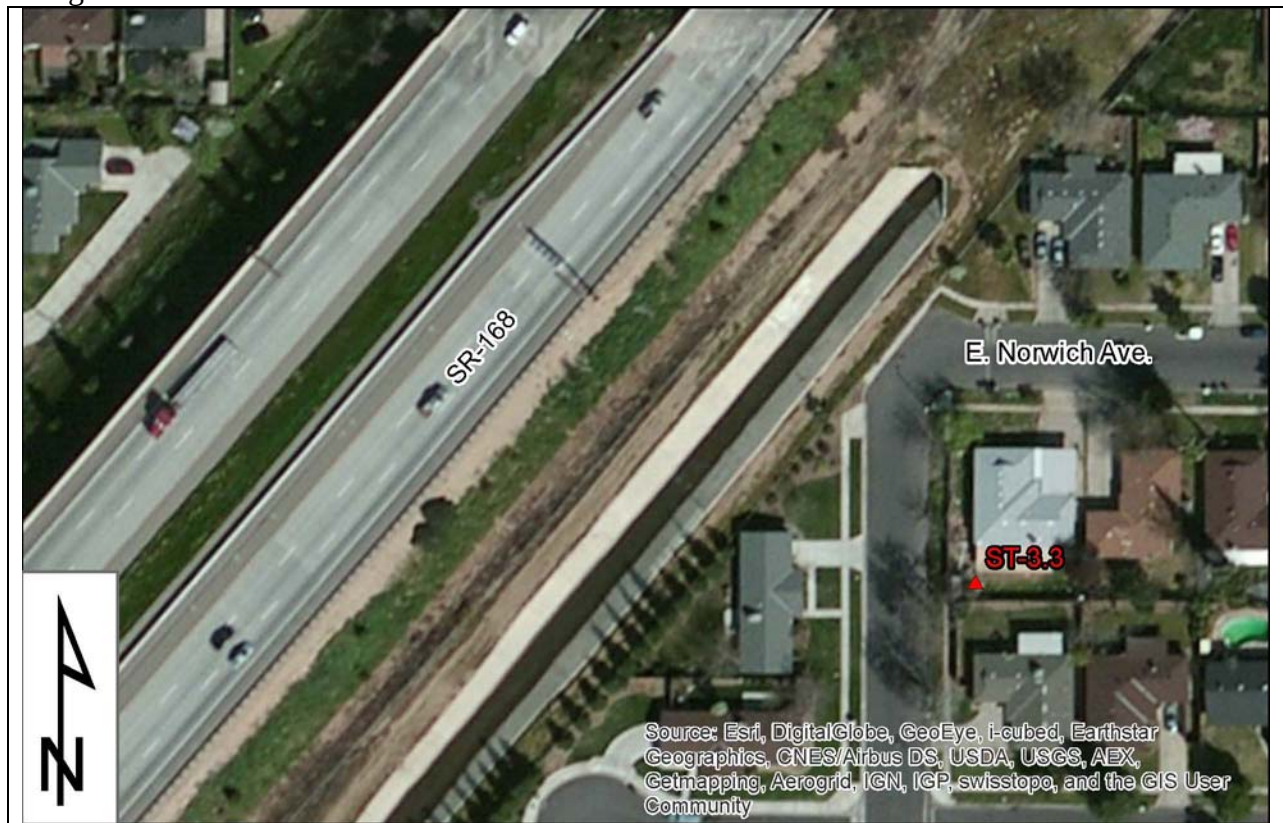
Maximum Wind Velocity (mph)	4.7
Average Wind Velocity (mph)	0.8
Temperature (F)	77.2
Relative Humidity (%)	23.6
Comments:	

Comments: Approximately 5 ft high wood fence. The pad is approximately 1 ft higher than sidewalk.

Traffic Description:

Roadway	# Lanes	Speeds	NB/EB Counts			SB/WB Counts		
			Auto	MT	HT	Auto	MT	HT
E. Gettysburg Avenue	1/1	40 mph	73	7	0	78	3	2

Diagram:



Location Photo:



Noise Measurement Survey

Project Number: FCG1401
Project Name: Retrofit Soundwall Study

Test Personnel: Chris Graham
Equipment: Larson Davis 820 SLM

Site Number: ST-3.4 Date: 5/12/2015 Time: From 2:40 p.m. To 2:55 p.m.

Site Location: 4727 E. Norwich Avenue, Fresno, CA. In the backyard. Located on the east side of SR-168.

Primary Noise Sources: Traffic on SR-168.

Measurement Results

	dBA
L _{eq}	64.2
L _{max}	75.2
L _{min}	57.2
L _{peak}	92.5
L ₂	67.8
L ₈	66.3
L ₂₅	65.1
L ₅₀	63.9
SEL	

Atmospheric Conditions:

Maximum Wind Velocity (mph)	4.7
Average Wind Velocity (mph)	0.8
Temperature (F)	77.2
Relative Humidity (%)	23.6
Comments:	

Comments: Wood fence is 6 ft high and in good shape – no holes or damage.

Traffic Description:

Roadway	# Lanes	Speeds	NB/EB Counts			SB/WB Counts		
			Auto	MT	HT	Auto	MT	HT
E. Gettysburg Avenue	1/1	40 mph	73	7	0	78	3	2

Diagram:



Location Photo:



Noise Measurement Survey

Project Number: FCG1401
Project Name: Retrofit Soundwall Study

Test Personnel: Jason Lui
Equipment: Larson Davis 824 SLM

Site Number: ST-4.1 Date: 5/13/2015 Time: From 9:33 a.m. To 9:48 a.m.

Site Location: 1905 Jackson Drive, Fresno, CA. In the backyard. Located on the east side of SR-168.

Primary Noise Sources: Traffic on SR-168.

Measurement Results

	dBA
L _{eq}	61.5
L _{max}	68.2
L _{min}	54.3
L _{peak}	82.3
L ₂	65.4
L ₈	64.0
L ₂₅	62.3
L ₅₀	61.0
SEL	91.1

Atmospheric Conditions:

Maximum Wind Velocity (mph)	4.1
Average Wind Velocity (mph)	1.2
Temperature (F)	64.7
Relative Humidity (%)	48.6
Comments:	

Comments: Partially shielded by adjacent home. Approximately 5 foot high wood fence with gaps.

Traffic Description:

Roadway	# Lanes	Speeds	NB/EB Counts			SB/WB Counts		
			Auto	MT	HT	Auto	MT	HT

Diagram:



Location Photo:



Noise Measurement Survey

Project Number: FCG1401

Test Personnel: Chris Graham

Project Name: Retrofit Soundwall Study

Equipment: Larson Davis 820 SLM

Site Number: ST-4.2 Date: 5/13/2015

Time: From 9:33 a.m. To 9:48 a.m.

Site Location: On Haystan Avenue adjacent to Yale Avenue; on the side of backyard at 4528 Yale Avenue.

Primary Noise Sources: Traffic on SR-168.

Measurement Results

	dBA
L _{eq}	69.0
L _{max}	74.7
L _{min}	60.2
L _{peak}	87.6
L ₂	72.4
L ₈	71.4
L ₂₅	70.0
L ₅₀	68.6
SEL	

Atmospheric Conditions:

Maximum Wind Velocity (mph)	2.1
Average Wind Velocity (mph)	0.7
Temperature (F)	70.1
Relative Humidity (%)	32.4
Comments:	

Comments: Approximately 5 ft high wood fence along the property line. Chain link fence located along the State right-of-way.

Traffic Description:

Roadway	# Lanes	Speeds	NB/EB Counts			SB/WB Counts		
			Auto	MT	HT	Auto	MT	HT

Diagram:



Location Photo:



Noise Measurement Survey

Project Number: FCG1401

Test Personnel: Jason Lui

Project Name: Retrofit Soundwall Study

Equipment: Larson Davis 824 SLM

Site Number: ST-4.3 Date: 5/13/2015

Time: From 10:07 a.m. To 11:22 a.m.

Site Location: 2218 N. Hayston Avenue, Fresno, CA. In the frontyard. Located on the east side of SR-168.

Primary Noise Sources: Traffic on SR-168.

Measurement Results

	dBA
L _{eq}	64.3
L _{max}	70.9
L _{min}	58.5
L _{peak}	86.3
L ₂	68.4
L ₈	66.3
L ₂₅	64.9
L ₅₀	63.6
SEL	93.9

Atmospheric Conditions:

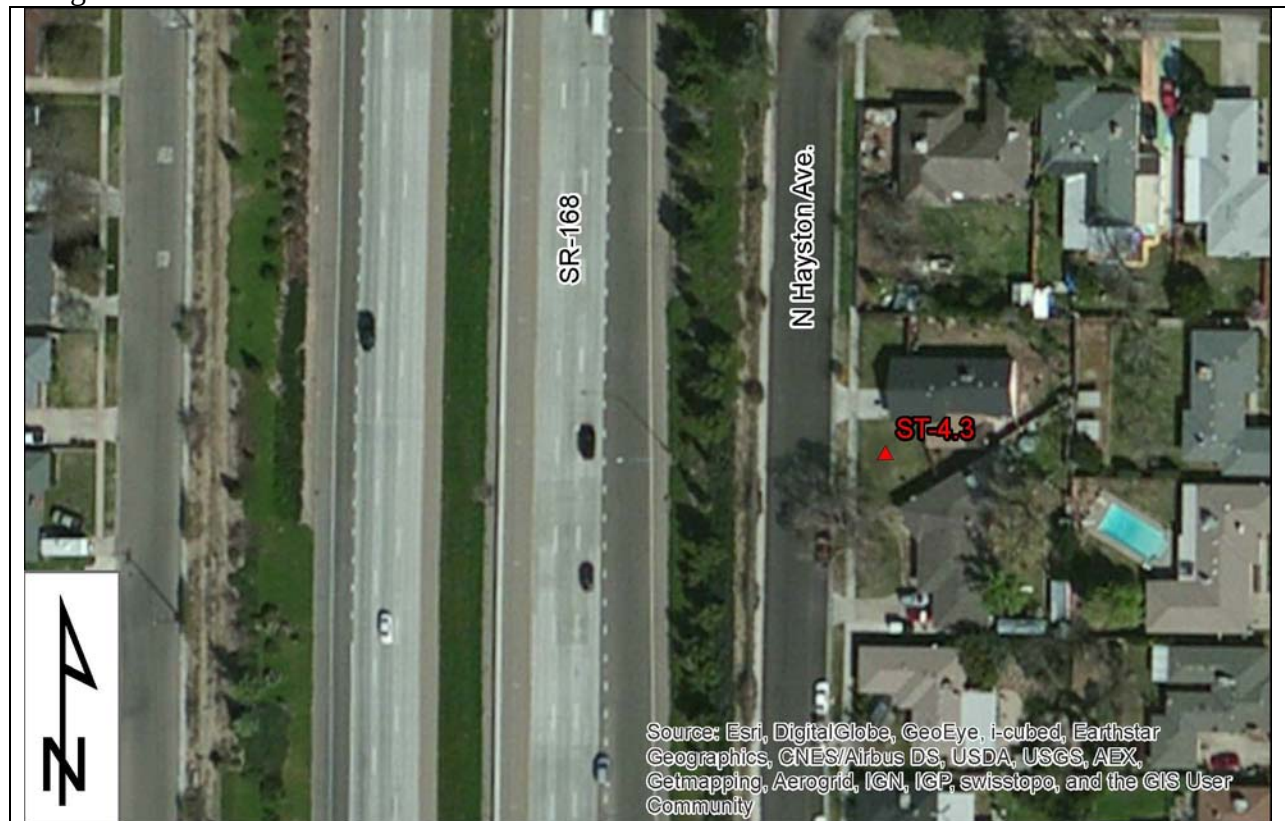
Maximum Wind Velocity (mph)	3.1
Average Wind Velocity (mph)	1.1
Temperature (F)	65.9
Relative Humidity (%)	44.1
Comments:	

Comments: This residence has sideyards on both sides that are usable spaces.

Traffic Description:

Roadway	# Lanes	Speeds	NB/EB Counts			SB/WB Counts		
			Auto	MT	HT	Auto	MT	HT

Diagram:



Location Photo:



Noise Measurement Survey

Project Number: FCG1401
Project Name: Retrofit Soundwall Study

Test Personnel: Chris Graham
Equipment: Larson Davis 820 SLM

Site Number: ST-4.4 Date: 5/13/2015 Time: From 10:07 a.m. To 10:22 a.m.

Site Location: 4528 E. Clinton Avenue, Fresno, CA. In the backyard. Located on the east side of SR-168 and the south side of E. Clinton Avenue.

Primary Noise Sources: Traffic on SR-168.

Measurement Results

	dBA
L _{eq}	65.9
L _{max}	73.6
L _{min}	56.7
L _{peak}	87.6
L ₂	70.0
L ₈	68.4
L ₂₅	66.6
L ₅₀	65.4
SEL	

Atmospheric Conditions:

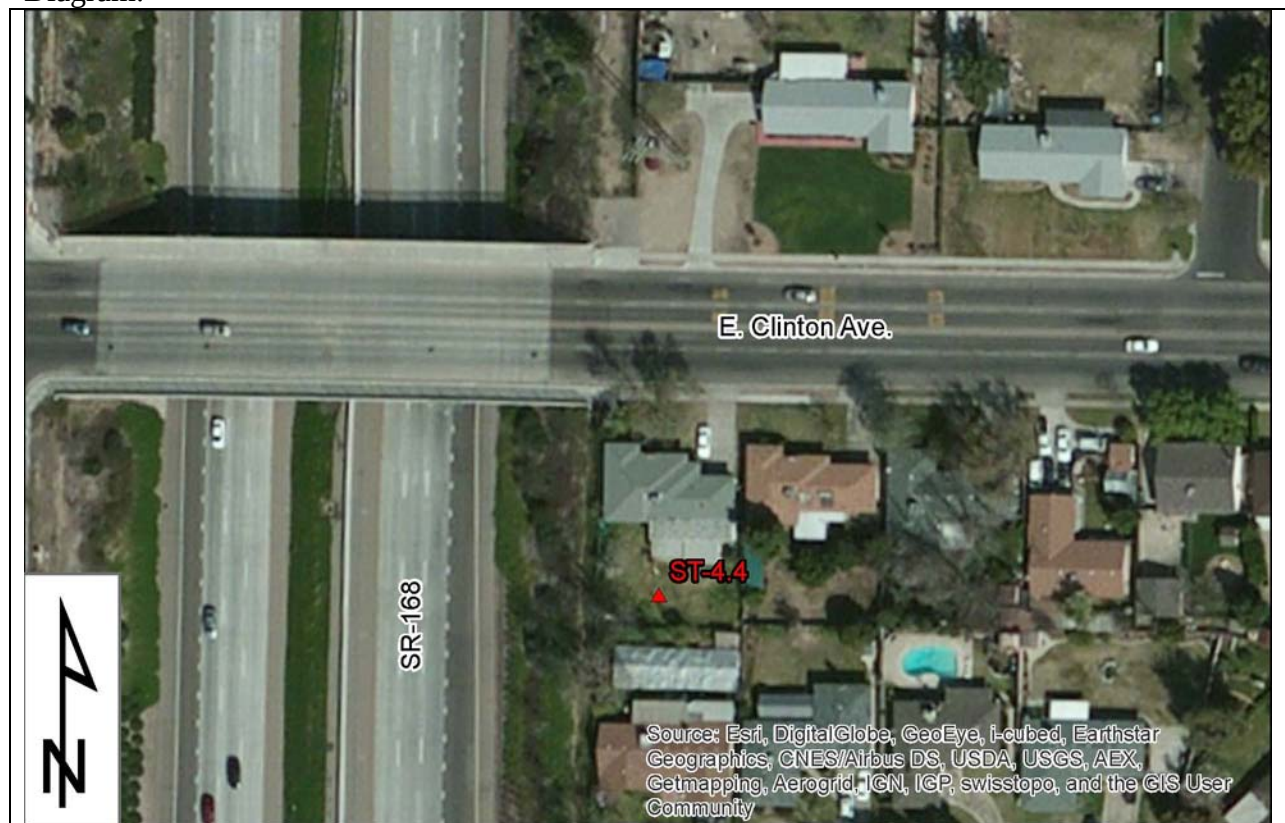
Maximum Wind Velocity (mph)	1.7
Average Wind Velocity (mph)	0.9
Temperature (F)	69.7
Relative Humidity (%)	33.8
Comments:	

Comments: Rear wood fence is approximately 5 ft high and dilapidated. Side fence (facing freeway) is chain link.

Traffic Description:

Roadway	# Lanes	Speeds	NB/EB Counts			SB/WB Counts		
			Auto	MT	HT	Auto	MT	HT

Diagram:



Location Photo:



Noise Measurement Survey

Project Number: FCG1401

Test Personnel: Jason Lui

Project Name: Retrofit Soundwall Study

Equipment: Larson Davis 824 SLM

Site Number: ST-5.1 Date: 5/13/2015

Time: From 10:43 a.m. To 10:58 a.m.

Site Location: 4536 E. Terrace Avenue, Fresno, CA. In the backyard. Located along the east side of SR-168.

Primary Noise Sources: Traffic on SR-168 and some bird noise.

Measurement Results

	dBA
L _{eq}	57.1
L _{max}	63.8
L _{min}	52.1
L _{peak}	82.8
L ₂	59.8
L ₈	58.8
L ₂₅	57.8
L ₅₀	56.9
SEL	86.0

Atmospheric Conditions:

Maximum Wind Velocity (mph)	2.6
Average Wind Velocity (mph)	0.7
Temperature (F)	69.6
Relative Humidity (%)	38.7
Comments:	

Comments: A 5 ft high wood fence and chain link fence along the property line. In an area full of bamboo trees.

Traffic Description:

Roadway	# Lanes	Speeds	NB/EB Counts			SB/WB Counts		
			Auto	MT	HT	Auto	MT	HT

Diagram:



Location Photo:

No Photo

Noise Measurement Survey

Project Number: FCG1401
Project Name: Retrofit Soundwall Study

Test Personnel: Chris Graham
Equipment: Larson Davis 820 SLM

Site Number: ST-5.2 Date: 5/13/2015 Time: From 10:43 a.m. To 10:58 a.m.

Site Location: 4530 E. Harvard Avenue, Fresno, CA. In the backyard. Located on the east side of SR-168.

Primary Noise Sources: Traffic on SR-168.

Measurement Results

	dBA
L _{eq}	66.1
L _{max}	71.8
L _{min}	58.0
L _{peak}	86.5
L ₂	69.5
L ₈	68.4
L ₂₅	67.0
L ₅₀	65.6
SEL	

Atmospheric Conditions:

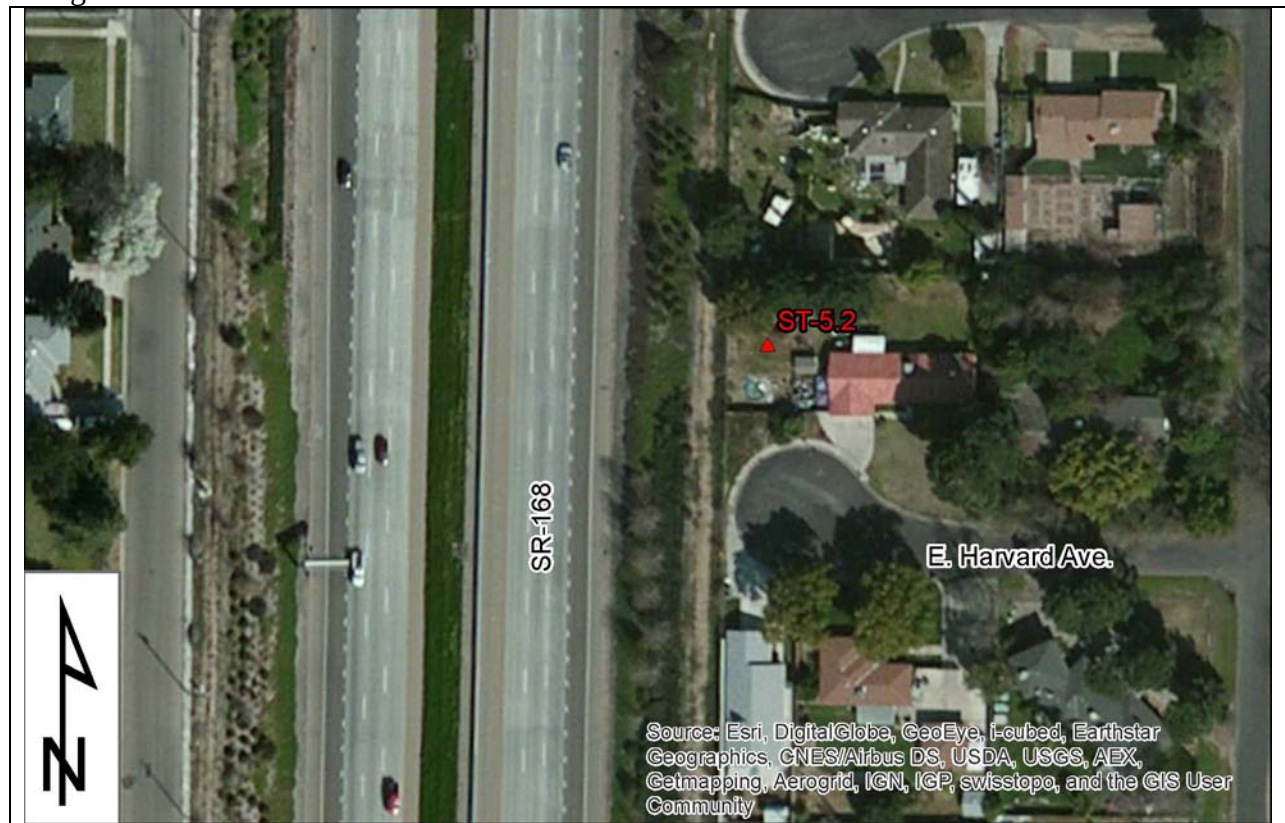
Maximum Wind Velocity (mph)	1.8
Average Wind Velocity (mph)	0.9
Temperature (F)	69.1
Relative Humidity (%)	75.6
Comments:	

Comments: Chain link fence along the property line. Freeway is lower in elevation than the home.

Traffic Description:

Roadway	# Lanes	Speeds	NB/EB Counts			SB/WB Counts		
			Auto	MT	HT	Auto	MT	HT

Diagram:



Location Photo:



Noise Measurement Survey

Project Number: FCG1401

Test Personnel: Jason Lui

Project Name: Retrofit Soundwall Study

Equipment: Larson Davis 824 SLM

Site Number: ST-5.3 Date: 5/13/2015

Time: From 11:20 a.m. To 11:35 a.m.

Site Location: 4533 E. Princeton Avenue, Fresno, CA. Near the front/side yard of the house.
Located on the east side of SR-168.

Primary Noise Sources: Traffic on SR-168 and some bird noise.

Measurement Results

	dba
L _{eq}	66.5
L _{max}	75.8
L _{min}	60.8
L _{peak}	98.4
L ₂	70.0
L ₈	68.6
L ₂₅	67.1
L ₅₀	65.9
SEL	96.1

Atmospheric Conditions:

Maximum Wind Velocity (mph)	4.0
Average Wind Velocity (mph)	0.8
Temperature (F)	65.4
Relative Humidity (%)	37.6
Comments:	

Comments: Chain link fence along the property line.

Traffic Description:

Roadway	# Lanes	Speeds	NB/EB Counts			SB/WB Counts		
			Auto	MT	HT	Auto	MT	HT

Diagram:



Location Photo:



Noise Measurement Survey

Project Number: FCG1401

Test Personnel: Chris Graham

Project Name: Retrofit Soundwall Study

Equipment: Larson Davis 820 SLM

Site Number: ST-5.4 Date: 5/13/2015

Time: From 11:20 a.m. To 11:35 a.m.

Site Location: At the cul-de-sac near 4638 East Cornell Avenue, Fresno CA. Located on the east side of SR-126.

Primary Noise Sources: Traffic on SR-168.

Measurement Results

	dB(A)
L _{eq}	64.7
L _{max}	83.0
L _{min}	55.6
L _{peak}	95.2
L ₂	70.5
L ₈	66.5
L ₂₅	64.4
L ₅₀	63.0
SEL	

Atmospheric Conditions:

Maximum Wind Velocity (mph)	2.7
Average Wind Velocity (mph)	0.8
Temperature (F)	70.6
Relative Humidity (%)	37.8
Comments:	

Comments: 4538 E. Cornell Avenue has an approximately 7 ft high wooden fence along the property line.

Traffic Description:

Roadway	# Lanes	Speeds	NB/EB Counts			SB/WB Counts		
			Auto	MT	HT	Auto	MT	HT

Diagram:



Location Photo:



Noise Measurement Survey

Project Number: FCG1401

Test Personnel: Jason Lui

Project Name: Retrofit Soundwall Study

Equipment: Larson Davis 824 SLM

Site Number: ST-5.5 Date: 5/13/2015

Time: From 11:51 a.m. To 12:06 p.m.

Site Location: 4545 E. Simpson Avenue, Fresno, CA. In the front/side yard. Located on the east side of SR-168.

Primary Noise Sources: Traffic on SR-168.

Measurement Results

	dBA
L _{eq}	60.6
L _{max}	67.6
L _{min}	55.2
L _{peak}	82.2
L ₂	63.6
L ₈	62.6
L ₂₅	61.3
L ₅₀	60.1
SEL	90.1

Atmospheric Conditions:

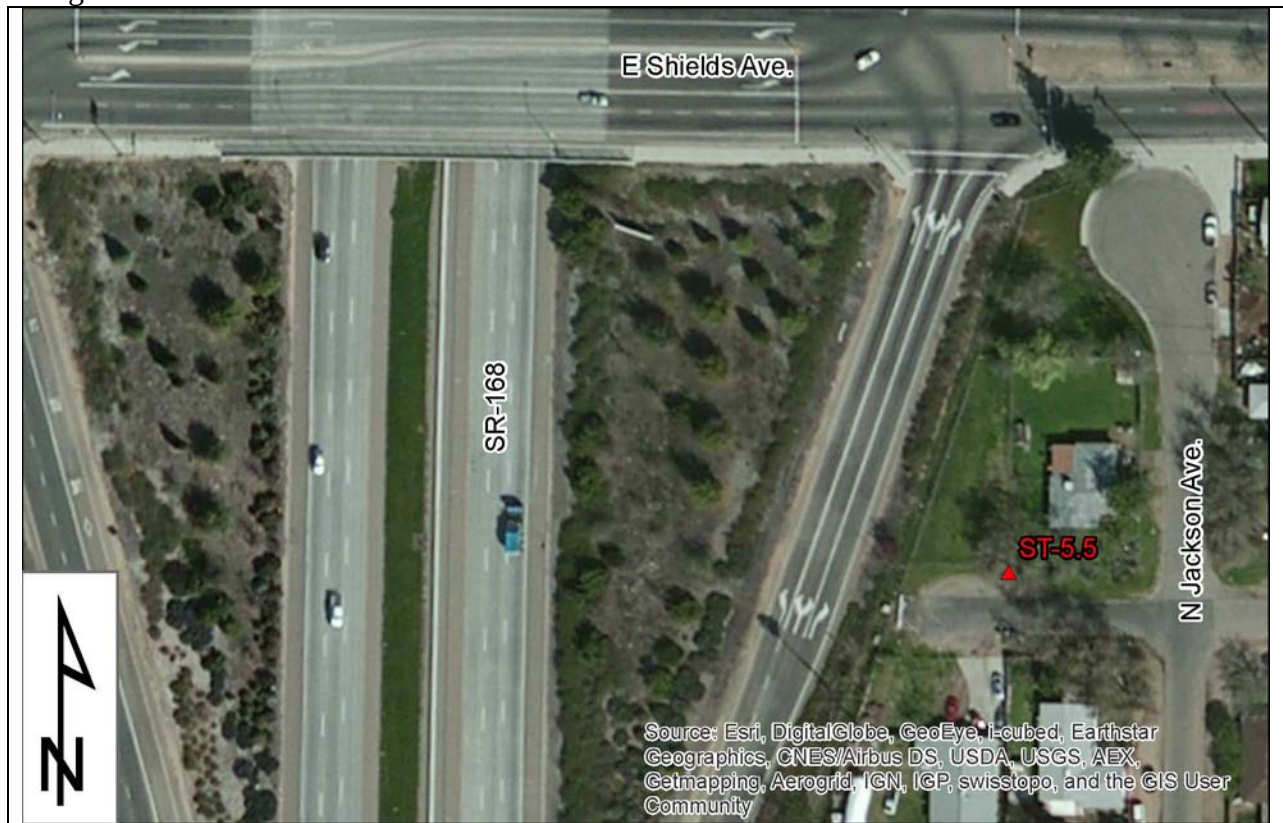
Maximum Wind Velocity (mph)	4.7
Average Wind Velocity (mph)	1.4
Temperature (F)	69.7
Relative Humidity (%)	31.1
Comments:	

Comments: Chain link fence. The adjacent property is vacant.

Traffic Description:

Roadway	# Lanes	Speeds	NB/EB Counts			SB/WB Counts		
			Auto	MT	HT	Auto	MT	HT
E Shields Avenue	2/2	40 mph	112	2	0	83	2	0

Diagram:



Location Photo:



CALIBRATION CERTIFICATE FOR LARSON DAVIS 824

Certificate of Calibration and Conformance

Certificate Number 2014-195639

Instrument Model 824, Serial Number A1612, was calibrated on 15 Oct 2014. The instrument meets factory specifications per Procedure D0001.8046, IEC 61672-1:2002 Class 1; IEC 60651-2001, 60804-2000 and ANSI S1.4-1983 Type 1 1/3, 1/1 Oct. Filters; S1.11-1986 Type 1C; IEC61260-am1-2001 Class 1.

Instrument found to be in calibration as received: YES

Date Calibrated: 15 Oct 2014

Calibration due:

Calibration Standards Used

MANUFACTURER	MODEL	SERIAL NUMBER	INTERVAL	CAL. DUE	TRACEABILITY NO.
Larson Davis	LDSigGn/2209	0617 / 0104	12 Months	17 Jan 2015	2014-185086

Reference Standards are traceable to the National Institute of Standards and Technology (NIST)

Calibration Environmental Conditions

Temperature: 23 ° Centigrade

Relative Humidity: 31 %

Affirmations

This Certificate attests that this instrument has been calibrated under the stated conditions with Measurement and Test Equipment (M&TE) Standards traceable to the U.S. National Institute of Standards and Technology (NIST). All of the Measurement Standards have been calibrated to their manufacturers' specified accuracy / uncertainty. Evidence of traceability and accuracy is on file at Provo Engineering & Manufacturing Center. An acceptable accuracy ratio between the Standard(s) and the item calibrated has been maintained. This instrument meets or exceeds the manufacturer's published specification unless noted.

The collective uncertainty of the Measurement Standard used does not exceed 25% of the applicable tolerance for each characteristic calibrated unless otherwise noted.

The results documented in this certificate relate only to the item(s) calibrated or tested. A one year calibration is recommended, however calibration interval assignment and adjustment are the responsibility of the end user. This certificate may not be reproduced, except in full, without the written approval of the issuer.

"As received" data is the same as shipped data.

Tested with PRM902 S/N 2104

Signed:



Technician: Sean Childs

Certificate of Calibration and Conformance

Certificate Number 2014-195638

Instrument Model PRM902, Serial Number 2104, was calibrated on 15 Oct 2014. The instrument meets factory specifications per Procedure D0001.8126.

Instrument found to be in calibration as received: YES

Date Calibrated: 15 Oct 2014

Calibration due:

Calibration Standards Used

MANUFACTURER	MODEL	SERIAL NUMBER	INTERVAL	CAL. DUE	TRACEABILITY NO.
Agilent Technologies	34401A	MY41038589	12 Months	14 Jan 2015	6365595
Larson Davis	LDSigGn/2209	0662/0114	12 Months	17 Jan 2015	2014-185085

Reference Standards are traceable to the National Institute of Standards and Technology (NIST)

Calibration Environmental Conditions

Temperature: 23 ° Centigrade

Relative Humidity: 31 %

Affirmations

This Certificate attests that this instrument has been calibrated under the stated conditions with Measurement and Test Equipment (M&TE) Standards traceable to the U.S. National Institute of Standards and Technology (NIST). All of the Measurement Standards have been calibrated to their manufacturers' specified accuracy / uncertainty. Evidence of traceability and accuracy is on file at Provo Engineering & Manufacturing Center. An acceptable accuracy ratio between the Standard(s) and the item calibrated has been maintained. This instrument meets or exceeds the manufacturer's published specification unless noted.

The collective uncertainty of the Measurement Standard used does not exceed 25% of the applicable tolerance for each characteristic calibrated unless otherwise noted.

The results documented in this certificate relate only to the item(s) calibrated or tested. A one year calibration is recommended, however calibration interval assignment and adjustment are the responsibility of the end user. This certificate may not be reproduced, except in full, without the written approval of the issuer.

"As received" data is the same as shipped data.

Signed:



Technician: Sean Childs

Calibration Certificate

Certificate Number 2014003492

Customer:

LSA Associates Inc
Suite 200
20 Executive Park
Irvine, CA 92614, United States

Model Number 2541
Serial Number 7977
Test Results Pass
Initial Condition AS RECEIVED same as shipped
Description 1/2 inch Microphone - FF - 200V

Procedure Name Microphone
Technician Abraham Ortega
Calibration Date 8 Oct 2014
Calibration Due
Temperature 24.1 °C ± 0.01 °C
Humidity 37.9 %RH ± 0.5 %RH
Static Pressure 101.49 kPa ± 0.03 kPa

Evaluation Method Tested electrically using an electrostatic actuator.

Compliance Standards Compliant to Manufacturer Specifications.

Larson Davis, a division of PCB Piezotronics, Inc. certifies that the instrument described above meets or exceeds all specifications as stated in the referenced procedure (unless otherwise noted). It has been calibrated using measurement standards traceable to the SI through the National Institute of Standards and Technology (NIST), or other national measurement institutes.

The quality system is registered to ISO 9001:2008.

This calibration is a direct comparison of the unit under test to the listed reference standards and did not involve any sampling plans to complete. No allowance has been made for the instability of the test device due to use, time, etc. Such allowances will be made by the customer as needed.

The uncertainties were computed in accordance with the ISO Guide to the Expression of Uncertainty in Measurement (GUM). A coverage factor of approximately 2 sigma (k=2) has been applied to the standard uncertainty to express the expanded uncertainty at approximately 95% confidence level.

This report may not be reproduced, except in full, unless permission for the publication of an approved abstract is obtained in writing from the organization issuing this report.

Standards Used			
Description	Cal Date	Cal Due	Cal Standard
Sound Level Meter / Real Time Analyzer	07/21/2014	07/21/2015	001230
Microphone Calibration System	09/03/2014	09/03/2015	001233
1/2" Preamplifier	12/11/2013	12/11/2014	001274
Agilent 34401A DMM	12/04/2013	12/04/2014	001329
Larson Davis CAL250 Acoustic Calibrator	01/03/2014	01/03/2015	003030
1/2" Preamplifier	12/11/2013	12/11/2014	006506
Larson Davis 1/2" Preamplifier 7-pin LEMO	09/11/2014	09/11/2015	006507
1/2 inch Microphone - RI - 200V	01/31/2014	01/31/2015	006510
1/2 inch Microphone - RI - 200V	08/12/2014	08/12/2015	006519
Larson Davis 1/2" Preamplifier 7-pin LEMO	09/11/2014	09/11/2015	006530
Larson Davis 1/2" Preamplifier 7-pin LEMO	08/14/2014	08/14/2015	006531

Larson Davis, a division of PCB Piezotronics, Inc
1681 West 820 North
Provo, UT 84601, United States
716-684-0001



Sensitivity

Measurement	Test Result [mV/Pa]	Lower limit [mV/Pa]	Upper limit [mV/Pa]	Expanded Uncertainty [mV/Pa]	Result
Open Circuit Sensitivity	44.19	42.00	59.50	0.93	Pass

-- End of measurement results--

Capacitance

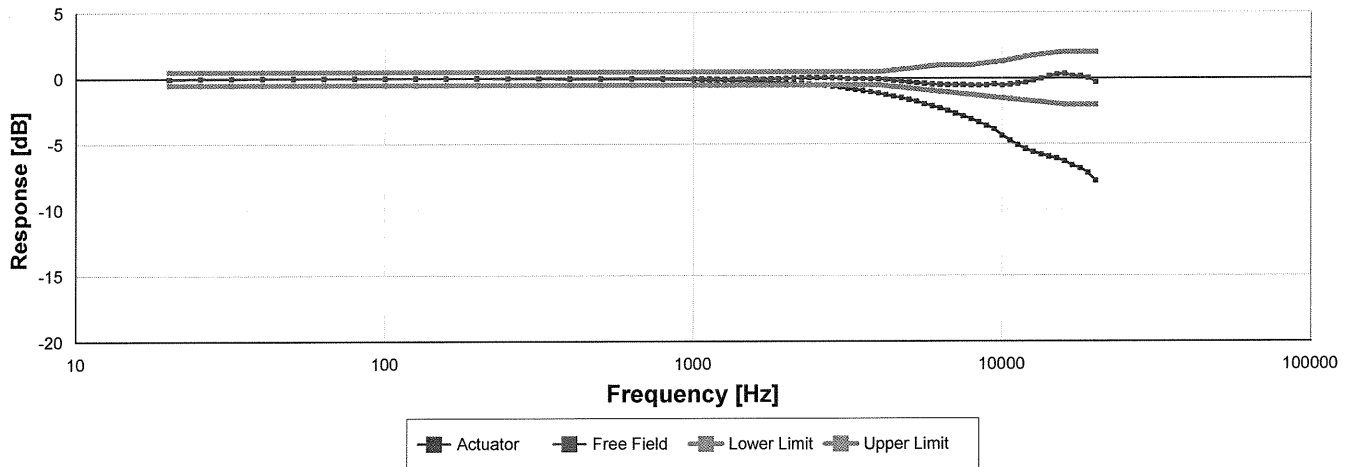
Measurement	Test Result [pF]
Capacitance	19.00

-- End of measurement results--

Lower Limiting Frequency

Measurement	Test Result [Hz]	Lower limit [Hz]	Upper limit [Hz]	Result
-3 dB Frequency	1.38	1.00	2.00	Pass

-- End of measurement results--

Frequency Response

Data is normalized for 0 dB @ 251.19 Hz.

Frequency [Hz]	Actuator [dB]	Free Field [dB]	Lower limit [dB]	Upper limit [dB]	Result
19.95	-0.04	-0.04	-0.50	0.50	Pass
25.12	-0.01	-0.01	-0.50	0.50	Pass
31.62	0.00	0.00	-0.50	0.50	Pass
39.81	0.01	0.01	-0.50	0.50	Pass
50.12	0.02	0.02	-0.50	0.50	Pass
63.10	0.02	0.02	-0.50	0.50	Pass
79.43	0.02	0.02	-0.50	0.50	Pass
100.00	0.01	0.01	-0.50	0.50	Pass
125.89	0.01	0.01	-0.50	0.50	Pass
158.49	0.01	0.01	-0.50	0.50	Pass
199.53	0.01	0.01	-0.50	0.50	Pass

Certificate Number 2014003492

Frequency [Hz]	Actuator [dB]	Free Field [dB]	Lower limit [dB]	Upper limit [dB]	Result
251.19	0.00	0.00	-0.50	0.50	Pass
316.23	-0.01	-0.01	-0.50	0.50	Pass
398.11	-0.02	-0.01	-0.50	0.50	Pass
501.19	-0.03	-0.01	-0.50	0.50	Pass
630.96	-0.04	-0.01	-0.50	0.50	Pass
794.33	-0.06	-0.01	-0.50	0.50	Pass
1,000.00	-0.10	-0.03	-0.50	0.50	Pass
1,059.25	-0.11	-0.03	-0.50	0.50	Pass
1,122.02	-0.12	-0.03	-0.50	0.50	Pass
1,188.50	-0.13	-0.04	-0.50	0.50	Pass
1,258.93	-0.15	-0.05	-0.50	0.50	Pass
1,333.52	-0.17	-0.05	-0.50	0.50	Pass
1,412.54	-0.18	-0.04	-0.50	0.50	Pass
1,496.24	-0.20	-0.04	-0.50	0.50	Pass
1,584.89	-0.22	-0.03	-0.50	0.50	Pass
1,678.80	-0.25	-0.04	-0.50	0.50	Pass
1,778.28	-0.27	-0.03	-0.50	0.50	Pass
1,883.65	-0.30	-0.02	-0.50	0.50	Pass
1,995.26	-0.34	-0.01	-0.50	0.50	Pass
2,113.49	-0.37	0.02	-0.50	0.50	Pass
2,238.72	-0.40	0.05	-0.50	0.50	Pass
2,371.37	-0.45	0.06	-0.50	0.50	Pass
2,511.89	-0.49	0.07	-0.50	0.50	Pass
2,660.73	-0.54	0.07	-0.50	0.50	Pass
2,818.38	-0.61	0.05	-0.50	0.50	Pass
2,985.38	-0.67	0.03	-0.50	0.50	Pass
3,162.28	-0.77	-0.02	-0.50	0.50	Pass
3,349.65	-0.85	-0.04	-0.50	0.50	Pass
3,548.13	-0.93	-0.04	-0.50	0.50	Pass
3,758.37	-1.02	-0.05	-0.50	0.50	Pass
3,981.07	-1.12	-0.06	-0.50	0.50	Pass
4,216.97	-1.23	-0.10	-0.56	0.56	Pass
4,466.84	-1.35	-0.16	-0.63	0.63	Pass
4,731.51	-1.48	-0.22	-0.69	0.69	Pass
5,011.87	-1.62	-0.28	-0.75	0.75	Pass
5,308.84	-1.76	-0.34	-0.81	0.81	Pass
5,623.41	-1.93	-0.40	-0.88	0.88	Pass
5,956.62	-2.10	-0.45	-0.94	0.94	Pass
6,309.57	-2.27	-0.47	-1.00	1.00	Pass
6,683.44	-2.46	-0.49	-1.06	1.00	Pass
7,079.46	-2.66	-0.49	-1.13	1.00	Pass
7,498.94	-2.87	-0.50	-1.19	1.00	Pass
7,943.28	-3.09	-0.53	-1.25	1.00	Pass
8,413.95	-3.34	-0.55	-1.31	1.08	Pass
8,912.51	-3.60	-0.52	-1.38	1.15	Pass
9,440.61	-3.86	-0.44	-1.44	1.23	Pass
10,000.00	-4.35	-0.53	-1.50	1.30	Pass
10,592.54	-4.71	-0.47	-1.56	1.41	Pass
11,220.19	-5.06	-0.41	-1.63	1.53	Pass
11,885.02	-5.37	-0.32	-1.69	1.64	Pass
12,589.25	-5.60	-0.18	-1.75	1.75	Pass
13,335.21	-5.79	-0.02	-1.81	1.81	Pass
14,125.38	-5.94	0.16	-1.88	1.88	Pass

Larson Davis, a division of PCB Piezotronics, Inc
1681 West 820 North
Provo, UT 84601, United States
716-684-0001



Certificate Number 2014003492

Frequency [Hz]	Actuator [dB]	Free Field [dB]	Lower limit [dB]	Upper limit [dB]	Result
14,962.36	-6.09	0.31	-1.94	1.94	Pass
15,848.93	-6.30	0.34	-2.00	2.00	Pass
16,788.04	-6.62	0.17	-2.00	2.00	Pass
17,782.80	-6.82	0.16	-2.00	2.00	Pass
18,836.49	-7.18	0.03	-2.00	2.00	Pass
19,952.62	-7.79	-0.29	-2.00	2.00	Pass

-- End of measurement results--

Signatory: Abraham Ortega

Larson Davis, a division of PCB Piezotronics, Inc
 1681 West 820 North
 Provo, UT 84601, United States
 716-684-0001



Calibration Certificate

Certificate Number 2014003481

Customer:

LSA Associates Inc
Suite 200
20 Executive Park
Irvine, CA 92614, United States

Model Number CAL200
Serial Number 3228
Test Results Pass
Initial Condition AS RECEIVED same as shipped
Description Larson Davis CAL200 Acoustic Calibrator

Procedure Name Calibrator
Technician Scott Montgomery
Calibration Date 8 Oct 2014
Calibration Due
Temperature 23 °C ± 0.3 °C
Humidity 35 %RH ± 3 %RH
Static Pressure 101.2 kPa ± 1 kPa

Evaluation Method The data is acquired by the insert voltage calibration method using the reference microphone's open circuit sensitivity. Data reported in dB re 20 µPa.

Compliance Standards Compliant to Manufacturer Specifications per D0001.8190 and the following standards:
IEC 60942:2003 ANSI S1.40-2006

Larson Davis, a division of PCB Piezotronics, Inc. certifies that the instrument described above meets or exceeds all specifications as stated in the referenced procedure (unless otherwise noted). It has been calibrated using measurement standards traceable to the SI through the National Institute of Standards and Technology (NIST), or other national measurement institutes.

The quality system is registered to ISO 9001:2008.

This calibration is a direct comparison of the unit under test to the listed reference standards and did not involve any sampling plans to complete. No allowance has been made for the instability of the test device due to use, time, etc. Such allowances will be made by the customer as needed.

The uncertainties were computed in accordance with the ISO Guide to the Expression of Uncertainty in Measurement (GUM). A coverage factor of approximately 2 sigma (k=2) has been applied to the standard uncertainty to express the expanded uncertainty at approximately 95% confidence level.

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Standards Used

Description	Cal Date	Cal Due	Cal Standard
Agilent 34401A DMM	09/04/2014	09/04/2015	001021
Sound Level Meter / Real Time Analyzer	04/07/2014	04/07/2015	001051
Microphone Calibration System	08/20/2014	08/20/2015	005446
1/2" Preamplifier	10/09/2013	10/09/2014	006506
Larson Davis 1/2" Preamplifier 7-pin LEMO	08/20/2014	08/20/2015	006507
1/2 inch Microphone - RI - 200V	01/31/2014	01/31/2015	006510
Pressure Transducer	05/03/2014	05/03/2015	007205

Larson Davis, a division of PCB Piezotronics, Inc
1681 West 820 North
Provo, UT 84601, United States
716-684-0001

 **LARSON DAVIS**
A PCB PIEZOTRONICS DIV.

Output Level

Nominal Level [dB]	Pressure [kPa]	Test Result [dB]	Lower limit [dB]	Upper limit [dB]	Expanded Uncertainty [dB]	Result
94	101.2	94.00	93.80	94.20	0.14	Pass
114	101.2	113.99	113.80	114.20	0.13	Pass

-- End of measurement results--

Frequency

Nominal Level [dB]	Pressure [kPa]	Test Result [Hz]	Lower limit [Hz]	Upper limit [Hz]	Expanded Uncertainty [Hz]	Result
94	101.2	1,000.23	990.00	1,010.00	0.20	Pass
114	101.2	1,000.22	990.00	1,010.00	0.20	Pass

-- End of measurement results--

Total Harmonic Distortion + Noise (THD+N)

Nominal Level [dB]	Pressure [kPa]	Test Result [%]	Lower limit [%]	Upper limit [%]	Expanded Uncertainty [%]	Result
94	101.2	0.37	0.00	2.00	0.25	Pass
114	101.2	0.33	0.00	2.00	0.25	Pass

-- End of measurement results--

Level Change Over Pressure

Tested at: 114 dB, 24 °C, 34 %RH

Nominal Pressure [kPa]	Pressure [kPa]	Test Result [dB]	Lower limit [dB]	Upper limit [dB]	Expanded Uncertainty [dB]	Result
108.0	108.0	-0.02	-0.30	0.30	0.04	Pass
101.3	101.2	0.00	-0.30	0.30	0.04	Pass
92.0	92.0	0.01	-0.30	0.30	0.04	Pass
83.0	82.9	-0.01	-0.30	0.30	0.04	Pass
74.0	74.2	-0.07	-0.30	0.30	0.04	Pass
65.0	64.9	-0.19	-0.30	0.30	0.04	Pass

-- End of measurement results--

Frequency Change Over Pressure

Tested at: 114 dB, 24 °C, 34 %RH

Nominal Pressure [kPa]	Pressure [kPa]	Test Result [Hz]	Lower limit [Hz]	Upper limit [Hz]	Expanded Uncertainty [Hz]	Result
108.0	108.0	0.00	-10.00	10.00	0.20	Pass
101.3	101.2	0.00	-10.00	10.00	0.20	Pass
92.0	92.0	0.00	-10.00	10.00	0.20	Pass
83.0	82.9	-0.01	-10.00	10.00	0.20	Pass
74.0	74.2	-0.01	-10.00	10.00	0.20	Pass
65.0	64.9	-0.01	-10.00	10.00	0.20	Pass

-- End of measurement results--

Total Harmonic Distortion + Noise (THD+N) Over Pressure

Tested at: 114 dB, 24 °C, 34 %RH

Nominal Pressure [kPa]	Pressure [kPa]	Test Result [%]	Lower limit [%]	Upper limit [%]	Expanded Uncertainty [%]	Result
108.0	108.0	0.32	0.00	2.00	0.25	Pass
101.3	101.2	0.33	0.00	2.00	0.25	Pass
92.0	92.0	0.34	0.00	2.00	0.25	Pass
83.0	82.9	0.36	0.00	2.00	0.25	Pass
74.0	74.2	0.39	0.00	2.00	0.25	Pass
65.0	64.9	0.43	0.00	2.00	0.25	Pass

-- End of measurement results--

Signatory: Scott Montgomery

Larson Davis, a division of PCB Piezotronics, Inc
1681 West 820 North
Provo, UT 84601, United States
716-684-0001

 **LARSON DAVIS**
A PCB PIEZOTRONICS DIV.

CALIBRATION CERTIFICATE FOR LARSON DAVIS 820

Certificate of Calibration and Conformance

Certificate Number 2014-193614

Instrument Model 820, Serial Number 1584, was calibrated on 18 Jul 2014. The instrument meets factory specifications per Procedure D0001.8160, ANSI S1.4 1983, IEC 651-Type 1 1979, and IEC 804-Type 1 1985.

Instrument found to be in calibration as received: YES

Date Calibrated: 18 Jul 2014

Calibration due: 18 Jul 2015

Calibration Standards Used

MANUFACTURER	MODEL	SERIAL NUMBER	INTERVAL	CAL. DUE	TRACEABILITY NO.
Larson Davis	LDSigGn/2209	0445 / 0111	12 Months	15 Nov 2014	2013-182314

Reference Standards are traceable to the National Institute of Standards and Technology (NIST)

Calibration Environmental Conditions

Temperature: 23 ° Centigrade

Relative Humidity: 32 %

Affirmations

This Certificate attests that this instrument has been calibrated under the stated conditions with Measurement and Test Equipment (M&TE) Standards traceable to the U.S. National Institute of Standards and Technology (NIST). All of the Measurement Standards have been calibrated to their manufacturers' specified accuracy / uncertainty. Evidence of traceability and accuracy is on file at Provo Engineering & Manufacturing Center. An acceptable accuracy ratio between the Standard(s) and the item calibrated has been maintained. This instrument meets or exceeds the manufacturer's published specification unless noted.

The collective uncertainty of the Measurement Standard used does not exceed 25% of the applicable tolerance for each characteristic calibrated unless otherwise noted.

The results documented in this certificate relate only to the item(s) calibrated or tested. A one year calibration is recommended, however calibration interval assignment and adjustment are the responsibility of the end user. This certificate may not be reproduced, except in full, without the written approval of the issuer.

"AS RECEIVED" data same as shipped data.

Tested with PRM828-2484

Signed:



Technician: Eric Olson

Certificate of Calibration and Conformance

Certificate Number 2014-193615

Instrument Model PRM828, Serial Number 2484, was calibrated on 18 Jul 2014. The instrument meets factory specifications per Procedure D0001.8135.

Instrument found to be in calibration as received: NO

Date Calibrated: 18 Jul 2014

Calibration due: 18 Jul 2015

Calibration Standards Used

MANUFACTURER	MODEL	SERIAL NUMBER	INTERVAL	CAL. DUE	TRACEABILITY NO.
Larson Davis	2900 / 2239	0608 / 0110	12 Months	20 Dec 2014	2013-184004
Hewlett Packard	34401A	US36023299	12 Months	7 May 2015	6515697

Reference Standards are traceable to the National Institute of Standards and Technology (NIST)

Calibration Environmental Conditions

Temperature: 23 ° Centigrade

Relative Humidity: 32 %

Affirmations

This Certificate attests that this instrument has been calibrated under the stated conditions with Measurement and Test Equipment (M&TE) Standards traceable to the U.S. National Institute of Standards and Technology (NIST). All of the Measurement Standards have been calibrated to their manufacturers' specified accuracy / uncertainty. Evidence of traceability and accuracy is on file at Provo Engineering & Manufacturing Center. An acceptable accuracy ratio between the Standard(s) and the item calibrated has been maintained. This instrument meets or exceeds the manufacturer's published specification unless noted.

The collective uncertainty of the Measurement Standard used does not exceed 25% of the applicable tolerance for each characteristic calibrated unless otherwise noted.

The results documented in this certificate relate only to the item(s) calibrated or tested. A one year calibration is recommended, however calibration interval assignment and adjustment are the responsibility of the end user. This certificate may not be reproduced, except in full, without the written approval of the issuer.

"AS RECEIVED" data same as shipped data.

Signed:



Technician: Eric Olson

Calibration Certificate

Certificate Number 2014001375

Customer:

LSA Associates Inc

Suite 200

20 Executive Park

Irvine, CA 92614, United States

Model Number CAL200

Serial Number 4973

Test Results **Pass**

Initial Condition AS RECEIVED same as shipped

Description Larson Davis CAL200 Acoustic Calibrator

Procedure Name Calibrator

Technician Scott Montgomery

Calibration Date 16 Jul 2014

Calibration Due 16 Jul 2015

Temperature 24 °C ± 0.3 °C

Humidity 37 %RH ± 3 %RH

Static Pressure 101.1 kPa ± 1 kPa

Evaluation Method The data is acquired by the insert voltage calibration method using the reference microphone's open circuit sensitivity. Data reported in dB re 20 µPa.

Compliance Standards Compliant to Manufacturer Specifications per D0001.8190 and IEC 60942:2003.

Larson Davis, a division of PCB Piezotronics, Inc. certifies that the instrument described above meets or exceeds all specifications as stated in the referenced procedure (unless otherwise noted). It has been calibrated using measurement standards traceable to the SI through the National Institute of Standards and Technology (NIST), or other national measurement institutes.

The quality system is registered to ISO 9001:2008.

This calibration is a direct comparison of the unit under test to the listed reference standards and did not involve any sampling plans to complete. No allowance has been made for the instability of the test device due to use, time, etc. Such allowances will be made by the customer as needed.

The uncertainties were computed in accordance with the ISO Guide to the Expression of Uncertainty in Measurement (GUM). A coverage factor of approximately 2 sigma (k=2) has been applied to the standard uncertainty to express the expanded uncertainty at approximately 95% confidence level.

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Standards Used

Description	Cal Date	Cal Due	Cal Standard
Agilent 34401A DMM	09/03/2013	09/03/2014	001021
Sound Level Meter / Real Time Analyzer	04/07/2014	04/07/2015	001051
Microphone Calibration System	08/22/2013	08/22/2014	005446
1/2" Preamplifier	10/09/2013	10/09/2014	006506
Larson Davis 1/2" Preamplifier 7-pin LEMO	08/23/2013	08/23/2014	006507
1/2 inch Microphone - RI - 200V	01/31/2014	01/31/2015	006510
Pressure Transducer	10/02/2013	10/02/2014	007204

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1681 West 820 North
Provo, UT 84601, United States
716-684-0001

 **LARSON DAVIS**
A PCB PIEZOTRONICS DIV.

Calibration Certificate

Certificate Number 2014001371

Customer:

LSA Associates Inc
Suite 200
20 Executive Park
Irvine, CA 92614, United States

Model Number 377A60
Serial Number 101355
Test Results **Pass**
Initial Condition AS RECEIVED same as shipped
Description 1/2 inch Microphone - RI - 200V

Procedure Name Microphone
Technician Abraham Ortega
Calibration Date 15 Jul 2014
Calibration Due 15 Jul 2015
Temperature 23.5 °C ± 0.01 °C
Humidity 41.7 %RH ± 0.5 %RH
Static Pressure 115.8 kPa ± 0.03 kPa

Evaluation Method Tested electrically using an electrostatic actuator.

Compliance Standards Compliant to Manufacturer Specifications.

Larson Davis, a division of PCB Piezotronics, Inc. certifies that the instrument described above meets or exceeds all specifications as stated in the referenced procedure (unless otherwise noted). It has been calibrated using measurement standards traceable to the SI through the National Institute of Standards and Technology (NIST), or other national measurement institutes.

The quality system is registered to ISO 9001:2008.

This calibration is a direct comparison of the unit under test to the listed reference standards and did not involve any sampling plans to complete. No allowance has been made for the instability of the test device due to use, time, etc. Such allowances will be made by the customer as needed.

The uncertainties were computed in accordance with the ISO Guide to the Expression of Uncertainty in Measurement (GUM). A coverage factor of approximately 2 sigma (k=2) has been applied to the standard uncertainty to express the expanded uncertainty at approximately 95% confidence level.

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Standards Used

Description	Cal Date	Cal Due	Cal Standard
Sound Level Meter / Real Time Analyzer	07/24/2013	07/24/2014	001230
Microphone Calibration System	09/03/2013	09/03/2014	001233
1/2" Preamplifier	12/11/2013	12/11/2014	001274
Agilent 34401A DMM	12/04/2013	12/04/2014	001329
Larson Davis CAL250 Acoustic Calibrator	01/03/2014	01/03/2015	003030
1/2" Preamplifier	12/11/2013	12/11/2014	006506
Larson Davis 1/2" Preamplifier 7-pin LEMO	09/10/2013	09/10/2014	006507
1/2 inch Microphone - RI - 200V	01/31/2014	01/31/2015	006510
1/2 inch Microphone - RI - 200V	08/13/2013	08/13/2014	006519
Larson Davis 1/2" Preamplifier 7-pin LEMO	09/10/2013	09/10/2014	006530
Larson Davis 1/2" Preamplifier 7-pin LEMO	08/15/2013	08/15/2014	006531

Larson Davis, a division of PCB Piezotronics, Inc
1681 West 820 North
Provo, UT 84601, United States
716-684-0001



CALIBRATION CERTIFICATE FOR QUEST NOISEPRO DLX DOSIMETER

INSTRUMENT CALIBRATION REPORT



Advanced Labs, Inc.

Pine Environmental Services, Inc

Instrument ID R8493
Description Quest QC-10 Acoustic Calibrator
Calibrated 10/8/2014

Manufacturer Quest
Model Number QC-10
Serial Number QIF110015
Location New Jersey
Temp 74

Classification
Status pass
Frequency Yearly EOM
Department Lab
Humidity 34

Calibration Specifications

Group # 1

Group Name Acoustic Tests Performed

Test Performed: Yes

As Found Result: Fail

As Left Result: Pass

Test Instruments Used During the Calibration

<u>Test Instrument ID</u>	<u>Description</u>	<u>Manufacturer</u>	<u>Serial Number</u>	<u>(As Of Cal Entry Date)</u>	
				<u>Last Cal Date</u>	<u>Next Cal Date</u>
B&K 4226	Brüel & Kjær 4226	Brüel & Kjær	2590968	1/24/2014	1/24/2015
B&K 4228	Brüel & Kjær 4228	Brüel & Kjær	2667476	1/27/2014	1/27/2015
FLUKE 114	Fluke 114 NIST Traceable Multimeter	Fluke	15310288	2/25/2014	2/25/2015
SOUNDPRO DL-1-1/3	3M SoundPro DL-1-1/3	Quest Technologies	BLL070002	10/18/2013	10/18/2014

Notes about this calibration

Calibration Result Calibration Successful

Who Calibrated Kevin Cole

Advanced Labs, Inc. hereby certifies that this instrument is calibrated and functions to meet the manufacture's specifications using NIST traceable standards, or is derived from accepted values of physical constants.

INSTRUMENT CALIBRATION REPORT



Advanced Labs, Inc.

Pine Environmental Services, Inc

Instrument ID 11567
Description Quest NoisePro DLX Dosimeter
Calibrated 9/26/2014

Manufacturer Quest
Model Number NoisePro DLX Dosimeter
Serial Number NXG070075
Location New Jersey
Temp 77

Classification
Status pass
Frequency Yearly EOM
Department Lab
Humidity 35

Calibration Specifications

Group # 1
Group Name Acoustic Tests Performed
Test Performed: Yes As Found Result: Fail As Left Result: Pass

Test Instruments Used During the Calibration

<u>Test Instrument ID</u>	<u>Description</u>	<u>Manufacturer</u>	<u>Serial Number</u>	<u>(As Of Cal Entry Date)</u>	
				<u>Last Cal Date</u>	<u>Next Cal Date</u>
B&K 4226	Brüel & Kjær 4226	Brüel & Kjær	2590968	1/24/2014	1/24/2015
B&K 4228	Brüel & Kjær 4228	Brüel & Kjær	2667476	1/27/2014	1/27/2015
FLUKE 114	Fluke 114 NIST Traceable Multimeter	Fluke	15310288	2/25/2014	2/25/2015

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Kevin Cole

Advanced Labs, Inc. hereby certifies that this instrument is calibrated and functions to meet the manufacture's specifications using NIST traceable standards, or is derived from accepted values of physical constants.

INSTRUMENT CALIBRATION REPORT



Advanced Labs, Inc.

Pine Environmental Services, Inc

Instrument ID R5990
Description Quest NoisePro DLX Dosimeter
Calibrated 1/9/2015

Manufacturer Quest
Model Number NoisePro DLX Dosimeter
Serial Number NXE040023
Location New Jersey
Temp 68

Classification
Status pass
Frequency Yearly EOM
Department Lab
Humidity 22

Calibration Specifications

Group # 1
Group Name Acoustic Tests Performed
Test Performed: Yes As Found Result: Fail As Left Result: Pass

Test Instruments Used During the Calibration

<u>Test Instrument ID</u>	<u>Description</u>	<u>Manufacturer</u>	<u>Serial Number</u>	<u>(As Of Cal Entry Date)</u>	
				<u>Last Cal Date</u>	<u>Next Cal Date</u>
B&K 4226	Brüel & Kjær 4226	Brüel & Kjær	2590968	1/24/2014	1/24/2015
B&K 4228	Brüel & Kjær 4228	Brüel & Kjær	2667476	1/27/2014	1/27/2015
FLUKE 114	Fluke 114 NIST Traceable Multimeter	Fluke	15310288	2/25/2014	2/25/2015

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Kevin Cole

Advanced Labs, Inc. hereby certifies that this instrument is calibrated and functions to meet the manufacture's specifications using NIST traceable standards, or is derived from accepted values of physical constants.

INSTRUMENT CALIBRATION REPORT



Advanced Labs, Inc.

Pine Environmental Services, Inc

Instrument ID 15896
Description Quest NoisePro DLX Dosimeter
Calibrated 6/5/2014

Manufacturer Quest
Model Number NoisePro DLX Dosimeter
Serial Number NXJ040037
Location New Jersey
Temp 73

Classification
Status pass
Frequency Yearly EOM
Department Lab
Humidity 36

Calibration Specifications

Group # 1
Group Name Acoustic Tests Performed
Test Performed: Yes **As Found Result: Fail** **As Left Result: Pass**

Test Instruments Used During the Calibration

<u>Test Instrument ID</u>	<u>Description</u>	<u>Manufacturer</u>	<u>Serial Number</u>	<u>(As Of Cal Entry Date)</u>	
				<u>Last Cal Date</u>	<u>Next Cal Date</u>
B&K 4226	Brüel & Kjær 4226	Brüel & Kjær	2590968	1/24/2014	1/24/2015
B&K 4228	Brüel & Kjær 4228	Brüel & Kjær	2667476	1/27/2014	1/27/2015
FLUKE 114	Fluke 114 NIST Traceable Multimeter	Fluke	15310288	2/25/2014	2/25/2015

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Jeff Frady

Advanced Labs, Inc. hereby certifies that this instrument is calibrated and functions to meet the manufacture's specifications using NIST traceable standards, or is derived from accepted values of physical constants.



Certificate of Calibration

Certificate No: 5505379NXF070064

Submitted By: WILNER-GREENE ASSOCIATES INC
10 FOREST FALLS UNIT # 1A
YARMOUTH, ME 04096

Serial Number:	NXF070064	Date Received:	4/29/2014
Customer ID:		Date Issued:	6/2/2014
Model:	NOISEPRO DLX DOSIMETER	Valid Until:	6/2/2015
Test Conditions:		Model Conditions:	
Temperature:	18°C to 29°C	As Found:	DAMAGED
Humidity:	20% to 80%	As Left:	IN TOLERANCE
Barometric Pressure:	890 mbar to 1050 mbar		
SubAssemblies:			
Description:	DOSIMETER MICROPHONE CABLE ASSEMBLY	Serial Number:	N/A

Calibrated per Procedure: 53V864

Reference Standard(s):

I.D. Number	Device	Last Calibration	Date Calibration Due
EF000138	QUEST-CAL	12/16/2013	12/16/2014
ET0000556	B&K ENSEMBLE	8/9/2013	8/9/2014

Measurement Uncertainty:

+/- 2.2% ACOUSTIC (0.19DB)
Estimated at 95% Confidence Level (k=2)

Calibrated By:


BRYAN RASMUSSEN Service Technician 6/2/2014

This report certifies that all calibration equipment used in the test is traceable to NIST, and applies only to the unit identified under equipment above. This report must not be reproduced except in its entirety without the written approval of 3M Detection Solutions.



Certificate of Calibration

Certificate No: 5505379NXE120120

Submitted By: WILNER-GREENE ASSOCIATES INC
10 FOREST FALLS UNIT # 1A
YARMOUTH, ME 04096

Serial Number: NXE120120
Customer ID:
Model: NOISEPRO DLX DOSIMETER

Date Received: 4/29/2014
Date Issued: 6/2/2014
Valid Until: 6/2/2015

Test Conditions:

Temperature: 18°C to 29°C
Humidity: 20% to 80%
Barometric Pressure: 890 mbar to 1050 mbar

Model Conditions:

As Found: NO ACCELEROMETER RECEIVED
As Left: IN TOLERANCE

SubAssemblies:

Description: DOSIMETER MICROPHONE CABLE ASSEMBLY

Serial Number:
N/A

Calibrated per Procedure: 53V864

Reference Standard(s):

I.D. Number	Device
EF000138	QUEST-CAL
ET0000556	B&K ENSEMBLE

Last Calibration Date	Calibration Due
12/16/2013	12/16/2014
8/9/2013	8/9/2014

Measurement Uncertainty:

+/- 2.2% ACOUSTIC (0.19DB)
Estimated at 95% Confidence Level (k=2)

Calibrated By:


BRYAN RASMUSSEN Service Technician

6/2/2014

This report certifies that all calibration equipment used in the test is traceable to NIST, and applies only to the unit identified under equipment above. This report must not be reproduced except in its entirety without the written approval of 3M Detection Solutions.

Appendix D. Noise Barrier Construction Cost Calculations

This appendix contains the Noise Barrier Construction Cost Calculations prepared by Mark Thomas and Company.

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PRELIMINARY
PROJECT COST ESTIMATE
Sound Wall Cost Estimate

Project ID:

Type of Estimate : Sound Wall NB 1-1 (12' Wall)
Program Code :
Project Limits :
Description: SR41 East Huntington Blvd to Mono Street
Scope :
Alternative :

	Current Cost	Escalated Cost
ROADWAY ITEMS	\$ 365,500	\$ 365,500
STRUCTURE ITEMS	\$ -	\$ -
SUBTOTAL CONSTRUCTION COST	\$ 365,500	\$ 365,500
RIGHT OF WAY	\$ -	\$ -
TOTAL CAPITAL OUTLAY COST	\$ 366,000	\$ 366,000
PR/ED SUPPORT	\$ -	\$ -
PS&E SUPPORT	\$ -	\$ -
RIGHT OF WAY SUPPORT	\$ -	\$ -
CONSTRUCTION SUPPORT	\$ -	\$ -
TOTAL CAPITAL OUTLAY SUPPORT COST*	\$ -	\$ -
TOTAL PROJECT COST	\$ 370,000	\$ 370,000

If Project has been programmed enter Programmed Amount \$ -

Month / Year
10 / 2015

Date of Estimate (Month/Year)

/

Estimated Date of Construction Start (Month/Year)

Working Days

Number of Working Days

Month / Year

Estimated Mid-Point of Construction (Month/Year)

Days

Number of Plant Establishment Days

Estimated Project Schedule

PID Approval
PA/ED Approval
PS&E
RTL
Begin Construction

Approved by Project
Manager

10/30/2015

(559) 374-3111

Project Manager

Date

Phone

I. ROADWAY ITEMS SUMMARY

Section		Cost
1	Earthwork	\$ 5,000
2	Pavement Structural Section	\$ -
3	Drainage	\$ -
4	Specialty Items	\$ 285,700
5	Environmental	\$ 16,400
6	Traffic Items	\$ 9,200
7	Detours	\$ -
8	Minor Items	\$ -
9	Roadway Mobilization	\$ -
10	Supplemental Work	\$ 15,900
11	State Furnished	\$ -
12	Contingencies	\$ 33,300
13	Overhead	\$ -
TOTAL ROADWAY ITEMS		\$ 365,500

Estimate Prepared By	Melissa Blau - Design Engineer	10/29/2015	(559) 374-3107
	Name and Title	Date	Phone

Estimate Reviewed By	Edgar Noriega - Project Manager	10/30/2015	(559) 374-3111
	Name and Title	Date	Phone

By signing this estimate you are attesting that you have discussed your project with all functional units and have incorporated all their comments or have discussed with them why they will not be incorporated.

PRELIMINARY
PROJECT COST ESTIMATE

SECTION 1: EARTHWORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
160101 Clearing & Grubbing	LS	1	x 5,000.00	= \$ 5,000
170101 Develop Water Supply	LS		x	= \$ -
190101 Roadway Excavation	CY		x	= \$ -
190103 Roadway Excavation (Type Y) ADL	CY		x	= \$ -
190105 Roadway Excavation (Type Z-2) ADL	CY		x	= \$ -
192037 Structure Excavation (Retaining Wall)	CY		x	= \$ -
193013 Structure Backfill (Retaining Wall)	CY		x	= \$ -
193031 Pervious Backfill Material (Retaining Wall)	CY		x	= \$ -
194001 Ditch Excavation	CY		x	= \$ -
198001 Impored Borrow	CY		x	= \$ -
198007 Imported Material (Shoulder Backing)	TON		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL EARTHWORK SECTION ITEMS	\$ 5,000
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SECTION 2: PAVEMENT STRUCTURAL SECTION

Item code	Unit	Quantity	Unit Price (\$)	Cost
150771 Remove Asphalt Concrete Dike	LF		x	= \$ -
150860 Remove Base and Surfacing	CY		x	= \$ -
153103 Cold Plane Asphalt Concrete Pavement	SQYD		x	= \$ -
1532XX Remove Concrete (type)	CY		x	= \$ -
250401 Class 4 Aggregate Subbase	CY		x	= \$ -
260201 Class 2 Aggregate Base	CY		x	= \$ -
290201 Asphalt Treated Permeable Base	CY		x	= \$ -
365001 Sand Cover	TON		x	= \$ -
374002 Asphaltic Emulsion (Fog Seal Coat)	TON		x	= \$ -
374492 Asphaltic Emulsion (Polymer Modified)	TON		x	= \$ -
3750XX Screenings (Type XX)	TON		x	= \$ -
377501 Slurry Seal	TON		x	= \$ -
390095 Replace Asphalt Concrete Surfacing	CY		x	= \$ -
390132 Hot Mix Asphalt (Type A)	TON		x	= \$ -
390136 Minor Hot Mix Asphalt	TON		x	= \$ -
390137 Rubberized Hot Mix Asphalt (Gap Graded)	TON		x	= \$ -
393003 Geosynthetic Pavement Interlayer	SQYD		x	= \$ -
39405X Shoulder Rumber Strip (HMA, Type XX Inden	STA		x	= \$ -
394071 Place Hot Mix Asphalt Dike	LF		x	= \$ -
394090 Place Hot Mix Asphalt (Misc. Area)	SQYD		x	= \$ -
397005 Tack Coat	TON		x	= \$ -
401000 Concrete Pavement	CY		x	= \$ -
401108 Replace Concrete Pavement (Rapid Strength	CY		x	= \$ -
404092 Seal Pavement Joint	LF		x	= \$ -
404094 Seal Longitudinal Isolation Joint	LF		x	= \$ -
413112A Repair Spalled Joints (Polyester Grout)	SQYD		x	= \$ -
413115 Seal Existing Concrete Pavement Joint	LF		x	= \$ -
420102 Groove Existing Concrete Pavement	SQYD		x	= \$ -
420201 Grind Existing Concrete Pavement	SQYD		x	= \$ -
731502 Minor Concrete (Misc. Const)	CY		x	= \$ -
731530 Minor Concrete (Textured Paving)	SQFT		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL STRUCTURAL SECTION ITEMS	\$ -
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SECTION 3: DRAINAGE

Item code	Unit	Quantity	Unit Price (\$)	Cost
150206 Abandon Culvert	LF	x	= \$	-
150805 Remove Culvert	LF	x	= \$	-
150820 Modify Inlet	EA	x	= \$	-
152430 Adjust Inlet	LF	x	= \$	-
155003 Cap Inlet	EA	x	= \$	-
193114 Sand Backfill	CY	x	= \$	-
510502 Minor Concrete (Minor Structure)	CY	x	= \$	-
510512 Minor Concrete (Box Culvert)	CY	x	= \$	-
62XXXX XXX" APC Pipe	LF	x	= \$	-
64XXXX XXX" Plastic Pipe	LF	x	= \$	-
65XXXX XXX" RCP Pipe	LF	x	= \$	-
66XXXX XXX" CSP Pipe	LF	x	= \$	-
68XXXX Edge Drain	LF	x	= \$	-
69XXXX XXX" Pipe Downdrain	LF	x	= \$	-
70XXXX XXX" Pipe Inlet	LF	x	= \$	-
70XXXX XXX" Pipe Riser	LF	x	= \$	-
70XXXX XXX" Flared End Section	EA	x	= \$	-
703233 Grated Line Drain	LF	x	= \$	-
72XXXX Rock Slope Protection (Type and Method)	CY	x	= \$	-
721420 Concrete (Ditch Lining)	CY	x	= \$	-
721430 Concrete (Channel Lining)	CY	x	= \$	-
729010 Rock Slope Protection Fabric	SQYD	x	= \$	-
750001 Miscellaneous Iron and Steel	LB	x	= \$	-
XXXXXX Additional Drainage	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL DRAINAGE ITEMS	\$	-
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SECTION 4: SPECIALTY ITEMS

Item code	Unit	Quantity	Unit Price (\$)	Cost
070012 Progress Schedule (Critical Path Method)	LS	x	= \$	-
150662 Remove Metal Beam Guard Railing	LF	x	= \$	-
150668 Remove Terminal Systems	EA	x	= \$	-
1532XX Remove Barrier (60)	LF	x	= \$	-
153250 Remove Sound Wall	SQFT	5,280	x 10.00	= \$ 52,800
190110 Lead Compliance Plan	LS	x	= \$	-
490601 CIDH Concrete Piling (16")	LF	817	x 45.00	= \$ 36,765
510060 Structural Concrete (Retaining Wall)	CY	x	= \$	-
510133 Class 2 Concrete (Retaining Wall)	CY	x	= \$	-
510524 Minor Concrete (Sound Wall)	CY	x	= \$	-
5110XX Architectural Treatment (Insert Type)	SQFT	x	= \$	-
511048 Apply Anti-Graffiti Coating	SQFT	x	= \$	-
5136XX Reinforced Concrete Crib Wall (Insert Type)	SQFT	x	= \$	-
518002 Sound Wall (Masonry Block)	SQFT	9,804	x 20.00	= \$ 196,080
520103 Bar Reinf. Steel (Retaining Wall)	LB	x	= \$	-
80XXXX Fence (Insert Type)	LF	x	= \$	-
832001 Metal Beam Guard Railing	LF	x	= \$	-
839310 Double Thrie Beam Barrier	LF	x	= \$	-
839521 Cable Railing	LF	x	= \$	-
83954X Transition Railing (Insert Type)	EA	x	= \$	-
8395XX Terminal System (Type CAT)	EA	x	= \$	-
8395XX Alternative Flared Terminal System	EA	x	= \$	-
8395XX End Anchor Assembly (Insert Type)	EA	x	= \$	-
839561 Rail Tensioning Assembly	EA	x	= \$	-
839XXX Crash Cushion (Insert Type)	EA	x	= \$	-
83XXXX Concrete Barrier (60)	LF	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL SPECIALTY ITEMS	\$	285,700
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SECTION 5: ENVIRONMENTAL

5A - ENVIRONMENTAL MITIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
Biological Mitigation	LS	x	= \$	-
071325 TEMPORARY REINFORCED SILT FENCE	LF	x	= \$	-
071325 Temporary Fence (Type ESA)				
<u>Subtotal Environmental</u>				<u>\$ -</u>

5B - LANDSCAPE AND IRRIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
200001 Highway Planting	LS	1 x	16,400.00 = \$	16,400
20XXXX XXX" (Insert Type) Conduit (Use for	LF	x	= \$	-
20XXXX Extend XXX" (Insert Type) Conduit	LF	x	= \$	-
201700 Imported Topsoil	CY	x	= \$	-
2030XX Erosion Control (Type __)	SQYD	x	= \$	-
203021 Fiber Rolls	LF	x	= \$	-
203026 Move In/ Move Out (Erosion Control)	EA	x	= \$	-
204099 Plant Establishment Work	LS	x	= \$	-
204101 Extend Plant Establishment (X Years)	LS	x	= \$	-
208000 Irrigation System	LS	x	= \$	-
208304 Water Meter	EA	x	= \$	-
209801 Maintenance Vehicle Pullout	EA	x	= \$	-
XXXXXX Some Item				
<u>Subtotal Landscape and Irrigation</u>				<u>\$ 16,400</u>

5C - NPDES

Item code	Unit	Quantity	Unit Price (\$)	Cost
074016 Construction Site Management	LS	x	= \$	-
074017 Prepare WPCP	LS	x	= \$	-
074019 Prepare SWPPP	LS	x	= \$	-
074023 Temporary Erosion Control	SQYD	x	= \$	-
074027 Temporary Erosion Control Blanket	SQYD	x	= \$	-
074028 Temporary Fiber Roll	LF	x	= \$	-
074032 Temporary Concrete Washout Facility	EA	x	= \$	-
074033 Temporary Construction Entrance	EA	x	= \$	-
074035 Temporary Check Dam	LF	x	= \$	-
074037 Move In/ Move Out (Temporary Erosion Cont	EA	x	= \$	-
074038 Temp. Drainage Inlet Protection	EA	x	= \$	-
074041 Street Sweeping	LS	x	= \$	-
074042 Temporary Concrete Washout (Portable)	LS	x	= \$	-
XXXXXX Some Item				

Supplemental Work for NPDES

(These costs are not accounted in total here but under Supplemental Work on sheet 7 of 11).

066595 Water Pollution Control Maintenance Sharing	LS	x	= \$	-
066596 Additional Water Pollution Control**	LS	x	= \$	-
066597 Storm Water Sampling and Analysis***	LS	x	= \$	-
XXXXXX Some Item				

Subtotal NPDES (Without Supplemental Work) \$ -

*Applies to all SWPPPs and those WPCPs with sediment control or soil stabilization BMPs.

**Applies to both SWPPPs and WPCP projects.

*** Applies only to project with SWPPPs.

TOTAL ENVIRONMENTAL	\$ 16,400
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SECTION 6: TRAFFIC ITEMS

6A - Traffic Electrical

Item code	Unit	Quantity	Unit Price (\$)	Cost
150760 Remove Sign Structure	EA	x	= \$	-
151581 Reconstruct Sign Structure	EA	x	= \$	-
152641 Modify Sign Structure	EA	x	= \$	-
5602XX Furnish Sign Structure	LB	x	= \$	-
5602XX Install Sign Structure	LB	x	= \$	-
56XXXX XXX" CIDHC Pile (Sign Foundation)	LF	x	= \$	-
860090 Maintain Existing Traffic Management	LS	x	= \$	-
860810 Inductive Loop Detectors	EA	x	= \$	-
86055X Lighting & Sign Illumination	LS	x	= \$	-
8607XX Interconnection Facilities	LS	x	= \$	-
8609XX Traffic Monitoring Stations	LS	x	= \$	-
860XXX Signals & Lighting	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
86XXXX Fiber Optic Conduit System	LS	x	= \$	-
XXXXX Some Item				
Subtotal Traffic Electrical				\$ -

6B - Traffic Signing and Striping

Item code	Unit	Quantity	Unit Price (\$)	Cost
120090 Construction Area Signs	LS	1	x 2,750.00 = \$	2,750
150701 Remove Yellow Painted Traffic Stripe	LF	x	= \$	-
150710 Remove Traffic Stripe	LF	x	= \$	-
150713 Remove Pavement Marking	SQFT	x	= \$	-
150742 Remove Roadside Sign	EA	x	= \$	-
152320 Reset Roadside Sign	EA	x	= \$	-
152390 Relocate Roadside Sign	EA	x	= \$	-
566011 Roadside Sign (One Post)	EA	x	= \$	-
566012 Roadside Sign (Two Post)	EA	x	= \$	-
560XXX Furnish Sign Panels	SQFT	x	= \$	-
560XXX Install Sign Panels	SQFT	x	= \$	-
82010X Delineator (Class X)	EA	x	= \$	-
84XXXX Permanent Pavement Delineation	LS	x	= \$	-
Subtotal Traffic Signing and Striping				\$ 2,750

6C - Stage Construction and Traffic Handling

Item code	Unit	Quantity	Unit Price (\$)	Cost
120100 Traffic Control System	LS	1	x 5,000.00 = \$	5,000
120120 Type III Barricade	EA	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
12016X Channelizer	EA	48	x 30.00 = \$	1,440
128650 Portable Changeable Message Signs	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
129100 Temp. Crash Cushion Module	EA	x	= \$	-
129099A Traffic Plastic Drum	EA	x	= \$	-
839603A Temporary Crash Cushion (ADIEM)	EA	x	= \$	-
XXXXXX Some Item				
Subtotal Stage Construction and Traffic Handling				\$ 6,440

TOTAL TRAFFIC ITEMS	\$ 9,200
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SECTION 7: DETOURS

Include constructing, maintaining, and removal

Item code	Unit	Quantity	Unit Price (\$)	Cost
0713XX Temporary Fence (Type X)	LF	x	= \$	-
07XXXX Temporary Drainage	LS	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
1286XX Temporary Signals	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
190101 Roadway Excavation	CY	x	= \$	-
198001 Imported Borrow	CY	x	= \$	-
198050 Embankment	CY	x	= \$	-
250401 Class 4 Aggregate Subbase	CY	x	= \$	-
260201 Class 2 Aggregate Base	CY	x	= \$	-
390132 Hot Mix Asphalt (Type A)	TON	x	= \$	-
XXXXXX Some Item	LS	x	= \$	-

TOTAL DETOURS	\$	-
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SUBTOTAL SECTIONS 1-7 \$ 316,300

SECTION 8: MINOR ITEMS

8A - Americans with Disabilities Act Items

ADA Items 0.0% \$ -

8B - Bike Path Items

Bike Path Items 0.0% \$ -

8C - Other Minor Items

Other Minor Items 0.0% \$ -

Total of Section 1-7 \$ 316,300 x 0.0% = \$ -

TOTAL MINOR ITEMS	\$	-
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SECTIONS 9: MOBILIZATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
999990 Total Section 1-8	\$	316,300	x 10%	= \$ -

TOTAL MOBILIZATION	\$	-
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SECTION 10: SUPPLEMENTAL WORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
066015 Federal Trainee Program	LS	x	= \$	-
066063 Traffic Management Plan - Public Informati	LS	x	= \$	-
066090 Maintain Traffic	LS	x	= \$	-
066094 Value Analysis	LS	x	= \$	-
066204 Remove Rock & Debris	LS	x	= \$	-
066222 Locate Existing Cross-Over	LS	x	= \$	-
066670 Payment Adjustments For Price Index Fluct	LS	x	= \$	-
066700 Partnering	LS	x	= \$	-
066866 Operation of Existing Traffic Management S	LS	x	= \$	-
066920 Dispute Review Board	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

Cost of NPDES Supplemental Work specified in Section 5C = \$ -

Total Section 1-8 \$ 316,300 5% = \$ 15,815

TOTAL SUPPLEMENTAL WORK	\$	15,900
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PRELIMINARY
PROJECT COST ESTIMATE

SECTION 11: STATE FURNISHED MATERIALS AND EXPENSES

Item code	Unit	Quantity	Unit Price (\$)	Cost
066063 Public Information	LS	x	=	\$0
066105 RE Office	LS	x	=	\$0
066803 Padlocks	LS	x	=	\$0
066838 Reflective Numbers and Edge Sealer	LS	x	=	\$0
066901 Water Expenses	LS	x	=	\$0
066062A COZEEP Expenses	LS	x	=	\$0
06684X Ramp Meter Controller Assembly	LS	x	=	\$0
06684X TMS Controller Assembly	LS	x	=	\$0
06684X Traffic Signal Controller Assembly	LS	x	=	\$0
XXXXXX Some Item				

Total Section 1-8 \$ 316,300 0% = \$ -

TOTAL STATE FURNISHED	\$0
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SECTION 12: TIME-RELATED OVERHEAD

Estiamted Time-Releated Overhead (TRO) Percentage (0% to 10%) = 5%

Item code	Unit	Quantity	Unit Price (\$)	Cost
070018 Time-Related Overhead	WD	0	X #DIV/0!	= \$0

TOTAL TIME-RELATED OVERHEAD	\$0
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SECTION 13: CONTINGENCY

(Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)

Total Section 1-11 \$ 332,200 x 10% = \$33,220

TOTAL CONTINGENCY	\$33,300
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II. STRUCTURE ITEMS

DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
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DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
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TOTAL COST OF BRIDGES	\$0.00
TOTAL COST OF BUILDINGS	\$0.00

TOTAL COST OF STRUCTURES¹	\$0.00
---	---------------

Estimate Prepared By: _____
XXXXXXXXXXXXXXXXXXXX ----- Division of Structures

Date

¹Structure's Estimate includes Overhead and Mobilization.
Add more sheets if needed. Call them 9a, 9b, 9c, ..., etc

III. RIGHT OF WAY

Fill in all of the available information from the Right of Way data sheet.

A)	A1)	Acquisition, including Excess Land Purchases, Damages & Goodwill,	\$	0
	A2)	SB-1210	\$	0
B)		Acquisition of Offsite Mitigation	\$	0
C)	C1)	Utility Relocation (State Share)	\$	0
	C2)	Potholing (Design Phase)	\$	0
D)		Railroad Acquisition	\$	0
E)		Clearance / Demolition	\$	0
F)		Relocation Assistance (RAP and/or Last Resort Housing Costs)	\$	0
G)		Title and Escrow	\$	0
H)		Environmental Review	\$	0
I)		Condemnation Settlements <u>0%</u> (Items G & H applied to items A + B)	\$	0
J)		Design Appreciation Factor 0%	\$	0
K)		Utility Relocation (Construction Cost)	\$	0

L) **TOTAL RIGHT OF WAY ESTIMATE** **\$0**
(Excluding Item #8 - Hazardous Waste)

M) **TOTAL R/W ESTIMATE: Escalated** **\$0**

N) **Right of Way Support** **\$ 0**

Support Cost		
Estimate Prepared By	Project Coordinator ¹	Phone
Utility Estimate		
Prepared By	Utility Coordinator ²	Phone
R/W Acquisition		
Estimate Prepared By	Right of Way Estimator ³	Phone

¹ When estimate has Support Costs only ² When estimate has Utility Relocation

³ When R/W Acquisition is required

DO NOT PRINT THIS SHEET AS PART OF COST ESTIMATE ATTACHMENT TO PROJECT INITIATION OR APPROVAL DOCUMENTS.

IV. SUPPORT COST ESTIMATE SUMMARY

Please obtain a P3 report (CL#3) from PPM to fill in the support cost for these categories.

SB-45 CATEGORY SUPPORT COST	PREVIOUS	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FUTURE	P3 Total	Support Ratio
PR/ED (PD,PE,PM)											\$ -	0.00%
PS&E (PS)											\$ -	0.00%
R/W (RW)											\$ -	0.00%
CONSTRUCTION (CM)											\$ -	0.00%
Total Support Cost:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	0.00%

Note: It is assumed that the Support Costs are already escalated by Programming to the year of expenditure. Use project Programming Sheet data.

Total Capital Cost:	\$366,000
Total Capital Outlay Support Cost:	\$0
Overall Percent Support Cost:	0.00%

V. ESCALATED CONSTRUCTION COST ESTIMATE SUMMARY

Note: Right of way escalated cost are accounted for on sheet 10 of 11.

	Month	/	Year
Date of Estimate (Month/Year)	10	/	2015
Estimated Date of Construction Start (Month/Year)	0	/	0
Number of Working Days	0	WD	
Estimated Mid-Point of Construction (Month/Year)	0	/	0

YEAR	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE
FORECASTED ESCALATION											

ESCALATED CONSTRUCTION COSTS	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE	TOTAL ESCALATED COSTS
ROADWAY ITEMS	\$ 365,500	\$ 365,500	\$ 365,500	\$ 365,500	\$ 365,500	\$ 365,500	\$ 365,500	\$ 365,500	\$ 365,500	\$ 365,500	\$ 365,500	\$ 365,500
STRUCTURE ITEMS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SUBTOTAL	\$ 365,500	\$ 365,500	\$ 365,500	\$ 365,500	\$ 365,500	\$ 365,500	\$ 365,500	\$ 365,500	\$ 365,500	\$ 365,500	\$ 365,500	\$ 365,500

Approved by:

Project Control Engineer

Date

PRELIMINARY
PROJECT COST ESTIMATE
Sound Wall Cost Estimate

Project ID:

Type of Estimate : Sound Wall NB 1-1 (14' Wall)
Program Code :
Project Limits :
Description: SR41 East Huntington Blvd to Mono Street
Scope :
Alternative :

	Current Cost	Escalated Cost
ROADWAY ITEMS	\$ 403,200	\$ 403,200
STRUCTURE ITEMS	\$ -	\$ -
SUBTOTAL CONSTRUCTION COST	\$ 403,200	\$ 403,200
RIGHT OF WAY	\$ -	\$ -
TOTAL CAPITAL OUTLAY COST	\$ 404,000	\$ 404,000
PR/ED SUPPORT	\$ -	\$ -
PS&E SUPPORT	\$ -	\$ -
RIGHT OF WAY SUPPORT	\$ -	\$ -
CONSTRUCTION SUPPORT	\$ -	\$ -
TOTAL CAPITAL OUTLAY SUPPORT COST*	\$ -	\$ -
TOTAL PROJECT COST	\$ 405,000	\$ 405,000

If Project has been programmed enter Programmed Amount \$ -

Date of Estimate (Month/Year) Month / Year
10 / 2015
Estimated Date of Construction Start (Month/Year) /
Number of Working Days Working Days
Estimated Mid-Point of Construction (Month/Year) Month / Year
Number of Plant Establishment Days Days

Estimated Project Schedule

PID Approval
PA/ED Approval
PS&E
RTL
Begin Construction

Approved by Project
Manager

10/30/2015

(559) 374-3111

Project Manager

Date

Phone

I. ROADWAY ITEMS SUMMARY

Section		Cost
1	Earthwork	\$ 5,000
2	Pavement Structural Section	\$ -
3	Drainage	\$ -
4	Specialty Items	\$ 318,400
5	Environmental	\$ 16,400
6	Traffic Items	\$ 9,200
7	Detours	\$ -
8	Minor Items	\$ -
9	Roadway Mobilization	\$ -
10	Supplemental Work	\$ 17,500
11	State Furnished	\$ -
12	Contingencies	\$ 36,700
13	Overhead	\$ -
TOTAL ROADWAY ITEMS		\$ 403,200

Estimate Prepared By	Melissa Blau - Design Engineer	10/29/2015	(559) 374-3107
	Name and Title	Date	Phone

Estimate Reviewed By	Edgar Noriega - Project Manager	10/30/2015	(559) 374-3111
	Name and Title	Date	Phone

By signing this estimate you are attesting that you have discussed your project with all functional units and have incorporated all their comments or have discussed with them why they will not be incorporated.

PRELIMINARY
PROJECT COST ESTIMATE

SECTION 1: EARTHWORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
160101 Clearing & Grubbing	LS	1	x 5,000.00	= \$ 5,000
170101 Develop Water Supply	LS		x	= \$ -
190101 Roadway Excavation	CY		x	= \$ -
190103 Roadway Excavation (Type Y) ADL	CY		x	= \$ -
190105 Roadway Excavation (Type Z-2) ADL	CY		x	= \$ -
192037 Structure Excavation (Retaining Wall)	CY		x	= \$ -
193013 Structure Backfill (Retaining Wall)	CY		x	= \$ -
193031 Pervious Backfill Material (Retaining Wall)	CY		x	= \$ -
194001 Ditch Excavation	CY		x	= \$ -
198001 Impored Borrow	CY		x	= \$ -
198007 Imported Material (Shoulder Backing)	TON		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL EARTHWORK SECTION ITEMS	\$ 5,000
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SECTION 2: PAVEMENT STRUCTURAL SECTION

Item code	Unit	Quantity	Unit Price (\$)	Cost
150771 Remove Asphalt Concrete Dike	LF		x	= \$ -
150860 Remove Base and Surfacing	CY		x	= \$ -
153103 Cold Plane Asphalt Concrete Pavement	SQYD		x	= \$ -
1532XX Remove Concrete (type)	CY		x	= \$ -
250401 Class 4 Aggregate Subbase	CY		x	= \$ -
260201 Class 2 Aggregate Base	CY		x	= \$ -
290201 Asphalt Treated Permeable Base	CY		x	= \$ -
365001 Sand Cover	TON		x	= \$ -
374002 Asphaltic Emulsion (Fog Seal Coat)	TON		x	= \$ -
374492 Asphaltic Emulsion (Polymer Modified)	TON		x	= \$ -
3750XX Screenings (Type XX)	TON		x	= \$ -
377501 Slurry Seal	TON		x	= \$ -
390095 Replace Asphalt Concrete Surfacing	CY		x	= \$ -
390132 Hot Mix Asphalt (Type A)	TON		x	= \$ -
390136 Minor Hot Mix Asphalt	TON		x	= \$ -
390137 Rubberized Hot Mix Asphalt (Gap Graded)	TON		x	= \$ -
393003 Geosynthetic Pavement Interlayer	SQYD		x	= \$ -
39405X Shoulder Rumber Strip (HMA, Type XX Inden	STA		x	= \$ -
394071 Place Hot Mix Asphalt Dike	LF		x	= \$ -
394090 Place Hot Mix Asphalt (Misc. Area)	SQYD		x	= \$ -
397005 Tack Coat	TON		x	= \$ -
401000 Concrete Pavement	CY		x	= \$ -
401108 Replace Concrete Pavement (Rapid Strength	CY		x	= \$ -
404092 Seal Pavement Joint	LF		x	= \$ -
404094 Seal Longitudinal Isolation Joint	LF		x	= \$ -
413112A Repair Spalled Joints (Polyester Grout)	SQYD		x	= \$ -
413115 Seal Existing Concrete Pavement Joint	LF		x	= \$ -
420102 Groove Existing Concrete Pavement	SQYD		x	= \$ -
420201 Grind Existing Concrete Pavement	SQYD		x	= \$ -
731502 Minor Concrete (Misc. Const)	CY		x	= \$ -
731530 Minor Concrete (Textured Paving)	SQFT		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL STRUCTURAL SECTION ITEMS	\$ -
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SECTION 3: DRAINAGE

Item code	Unit	Quantity	Unit Price (\$)	Cost
150206 Abandon Culvert	LF	x	= \$	-
150805 Remove Culvert	LF	x	= \$	-
150820 Modify Inlet	EA	x	= \$	-
152430 Adjust Inlet	LF	x	= \$	-
155003 Cap Inlet	EA	x	= \$	-
193114 Sand Backfill	CY	x	= \$	-
510502 Minor Concrete (Minor Structure)	CY	x	= \$	-
510512 Minor Concrete (Box Culvert)	CY	x	= \$	-
62XXXX XXX" APC Pipe	LF	x	= \$	-
64XXXX XXX" Plastic Pipe	LF	x	= \$	-
65XXXX XXX" RCP Pipe	LF	x	= \$	-
66XXXX XXX" CSP Pipe	LF	x	= \$	-
68XXXX Edge Drain	LF	x	= \$	-
69XXXX XXX" Pipe Downdrain	LF	x	= \$	-
70XXXX XXX" Pipe Inlet	LF	x	= \$	-
70XXXX XXX" Pipe Riser	LF	x	= \$	-
70XXXX XXX" Flared End Section	EA	x	= \$	-
703233 Grated Line Drain	LF	x	= \$	-
72XXXX Rock Slope Protection (Type and Method)	CY	x	= \$	-
721420 Concrete (Ditch Lining)	CY	x	= \$	-
721430 Concrete (Channel Lining)	CY	x	= \$	-
729010 Rock Slope Protection Fabric	SQYD	x	= \$	-
750001 Miscellaneous Iron and Steel	LB	x	= \$	-
XXXXXX Additional Drainage	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL DRAINAGE ITEMS	\$	-
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SECTION 4: SPECIALTY ITEMS

Item code	Unit	Quantity	Unit Price (\$)	Cost
070012 Progress Schedule (Critical Path Method)	LS	x	= \$	-
150662 Remove Metal Beam Guard Railing	LF	x	= \$	-
150668 Remove Terminal Systems	EA	x	= \$	-
1532XX Remove Barrier (60)	LF	x	= \$	-
153250 Remove Sound Wall	SQFT	5,280	x 10.00	= \$ 52,800
190110 Lead Compliance Plan	LS	x	= \$	-
490601 CIDH Concrete Piling (16")	LF	817	x 45.00	= \$ 36,765
510060 Structural Concrete (Retaining Wall)	CY	x	= \$	-
510133 Class 2 Concrete (Retaining Wall)	CY	x	= \$	-
510524 Minor Concrete (Sound Wall)	CY	x	= \$	-
5110XX Architectural Treatment (Insert Type)	SQFT	x	= \$	-
511048 Apply Anti-Graffiti Coating	SQFT	x	= \$	-
5136XX Reinforced Concrete Crib Wall (Insert Type)	SQFT	x	= \$	-
518002 Sound Wall (Masonry Block)	SQFT	11,438	x 20.00	= \$ 228,760
520103 Bar Reinf. Steel (Retaining Wall)	LB	x	= \$	-
80XXXX Fence (Insert Type)	LF	x	= \$	-
832001 Metal Beam Guard Railing	LF	x	= \$	-
839310 Double Thrie Beam Barrier	LF	x	= \$	-
839521 Cable Railing	LF	x	= \$	-
83954X Transition Railing (Insert Type)	EA	x	= \$	-
8395XX Terminal System (Type CAT)	EA	x	= \$	-
8395XX Alternative Flared Terminal System	EA	x	= \$	-
8395XX End Anchor Assembly (Insert Type)	EA	x	= \$	-
839561 Rail Tensioning Assembly	EA	x	= \$	-
839XXX Crash Cushion (Insert Type)	EA	x	= \$	-
83XXXX Concrete Barrier (60)	LF	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL SPECIALTY ITEMS	\$	318,400
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SECTION 5: ENVIRONMENTAL

5A - ENVIRONMENTAL MITIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
Biological Mitigation	LS	x	= \$	-
071325 TEMPORARY REINFORCED SILT FENCE	LF	x	= \$	-
071325 Temporary Fence (Type ESA)				
Subtotal Environmental				\$ -

5B - LANDSCAPE AND IRRIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
200001 Highway Planting	LS	1 x	16,400.00 = \$	16,400
20XXXX XXX" (Insert Type) Conduit (Use for	LF	x	= \$	-
20XXXX Extend XXX" (Insert Type) Conduit	LF	x	= \$	-
201700 Imported Topsoil	CY	x	= \$	-
2030XX Erosion Control (Type __)	SQYD	x	= \$	-
203021 Fiber Rolls	LF	x	= \$	-
203026 Move In/ Move Out (Erosion Control)	EA	x	= \$	-
204099 Plant Establishment Work	LS	x	= \$	-
204101 Extend Plant Establishment (X Years)	LS	x	= \$	-
208000 Irrigation System	LS	x	= \$	-
208304 Water Meter	EA	x	= \$	-
209801 Maintenance Vehicle Pullout	EA	x	= \$	-
XXXXXX Some Item				
Subtotal Landscape and Irrigation				\$ 16,400

5C - NPDES

Item code	Unit	Quantity	Unit Price (\$)	Cost
074016 Construction Site Management	LS	x	= \$	-
074017 Prepare WPCP	LS	x	= \$	-
074019 Prepare SWPPP	LS	x	= \$	-
074023 Temporary Erosion Control	SQYD	x	= \$	-
074027 Temporary Erosion Control Blanket	SQYD	x	= \$	-
074028 Temporary Fiber Roll	LF	x	= \$	-
074032 Temporary Concrete Washout Facility	EA	x	= \$	-
074033 Temporary Construction Entrance	EA	x	= \$	-
074035 Temporary Check Dam	LF	x	= \$	-
074037 Move In/ Move Out (Temporary Erosion Cont	EA	x	= \$	-
074038 Temp. Drainage Inlet Protection	EA	x	= \$	-
074041 Street Sweeping	LS	x	= \$	-
074042 Temporary Concrete Washout (Portable)	LS	x	= \$	-
XXXXXX Some Item				

Supplemental Work for NPDES

(These costs are not accounted in total here but under Supplemental Work on sheet 7 of 11).

066595 Water Pollution Control Maintenance Sharing	LS	x	= \$	-
066596 Additional Water Pollution Control**	LS	x	= \$	-
066597 Storm Water Sampling and Analysis***	LS	x	= \$	-
XXXXXX Some Item				

Subtotal NPDES (Without Supplemental Work) \$ -

*Applies to all SWPPPs and those WPCPs with sediment control or soil stabilization BMPs.

**Applies to both SWPPPs and WPCP projects.

*** Applies only to project with SWPPPs.

TOTAL ENVIRONMENTAL	\$ 16,400
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SECTION 6: TRAFFIC ITEMS

6A - Traffic Electrical

Item code	Unit	Quantity	Unit Price (\$)	Cost
150760 Remove Sign Structure	EA	x	= \$	-
151581 Reconstruct Sign Structure	EA	x	= \$	-
152641 Modify Sign Structure	EA	x	= \$	-
5602XX Furnish Sign Structure	LB	x	= \$	-
5602XX Install Sign Structure	LB	x	= \$	-
56XXXX XXX" CIDHC Pile (Sign Foundation)	LF	x	= \$	-
860090 Maintain Existing Traffic Management	LS	x	= \$	-
860810 Inductive Loop Detectors	EA	x	= \$	-
86055X Lighting & Sign Illumination	LS	x	= \$	-
8607XX Interconnection Facilities	LS	x	= \$	-
8609XX Traffic Monitoring Stations	LS	x	= \$	-
860XXX Signals & Lighting	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
86XXXX Fiber Optic Conduit System	LS	x	= \$	-
XXXXX Some Item				
<i>Subtotal Traffic Electrical</i>				<i>\$ -</i>

6B - Traffic Signing and Striping

Item code	Unit	Quantity	Unit Price (\$)	Cost
120090 Construction Area Signs	LS	1	x 2,750.00 = \$	2,750
150701 Remove Yellow Painted Traffic Stripe	LF	x	= \$	-
150710 Remove Traffic Stripe	LF	x	= \$	-
150713 Remove Pavement Marking	SQFT	x	= \$	-
150742 Remove Roadside Sign	EA	x	= \$	-
152320 Reset Roadside Sign	EA	x	= \$	-
152390 Relocate Roadside Sign	EA	x	= \$	-
566011 Roadside Sign (One Post)	EA	x	= \$	-
566012 Roadside Sign (Two Post)	EA	x	= \$	-
560XXX Furnish Sign Panels	SQFT	x	= \$	-
560XXX Install Sign Panels	SQFT	x	= \$	-
82010X Delineator (Class X)	EA	x	= \$	-
84XXXX Permanent Pavement Delineation	LS	x	= \$	-
<i>Subtotal Traffic Signing and Striping</i>				<i>\$ 2,750</i>

6C - Stage Construction and Traffic Handling

Item code	Unit	Quantity	Unit Price (\$)	Cost
120100 Traffic Control System	LS	1	x 5,000.00 = \$	5,000
120120 Type III Barricade	EA	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
12016X Channelizer	EA	48	x 30.00 = \$	1,440
128650 Portable Changeable Message Signs	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
129100 Temp. Crash Cushion Module	EA	x	= \$	-
129099A Traffic Plastic Drum	EA	x	= \$	-
839603A Temporary Crash Cushion (ADIEM)	EA	x	= \$	-
XXXXXX Some Item				
<i>Subtotal Stage Construction and Traffic Handling</i>				<i>\$ 6,440</i>

TOTAL TRAFFIC ITEMS	\$ 9,200
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SECTION 7: DETOURS

Include constructing, maintaining, and removal

Item code	Unit	Quantity	Unit Price (\$)	Cost
0713XX Temporary Fence (Type X)	LF	x	= \$	-
07XXXX Temporary Drainage	LS	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
1286XX Temporary Signals	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
190101 Roadway Excavation	CY	x	= \$	-
198001 Imported Borrow	CY	x	= \$	-
198050 Embankment	CY	x	= \$	-
250401 Class 4 Aggregate Subbase	CY	x	= \$	-
260201 Class 2 Aggregate Base	CY	x	= \$	-
390132 Hot Mix Asphalt (Type A)	TON	x	= \$	-
XXXXXX Some Item	LS	x	= \$	-

TOTAL DETOURS	\$	-
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SUBTOTAL SECTIONS 1-7 \$ 349,000

SECTION 8: MINOR ITEMS

8A - Americans with Disabilities Act Items

ADA Items 0.0% \$ -

8B - Bike Path Items

Bike Path Items 0.0% \$ -

8C - Other Minor Items

Other Minor Items 0.0% \$ -

Total of Section 1-7 \$ 349,000 x 0.0% = \$ -

TOTAL MINOR ITEMS	\$	-
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SECTIONS 9: MOBILIZATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
999990 Total Section 1-8	\$	349,000	x 10%	= \$ -

TOTAL MOBILIZATION	\$	-
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SECTION 10: SUPPLEMENTAL WORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
066015 Federal Trainee Program	LS	x	= \$	-
066063 Traffic Management Plan - Public Informati	LS	x	= \$	-
066090 Maintain Traffic	LS	x	= \$	-
066094 Value Analysis	LS	x	= \$	-
066204 Remove Rock & Debris	LS	x	= \$	-
066222 Locate Existing Cross-Over	LS	x	= \$	-
066670 Payment Adjustments For Price Index Fluct	LS	x	= \$	-
066700 Partnering	LS	x	= \$	-
066866 Operation of Existing Traffic Management S	LS	x	= \$	-
066920 Dispute Review Board	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

Cost of NPDES Supplemental Work specified in Section 5C = \$ -

Total Section 1-8 \$ 349,000 5% = \$ 17,450

TOTAL SUPPLEMENTAL WORK	\$	17,500
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PRELIMINARY
PROJECT COST ESTIMATE

SECTION 11: STATE FURNISHED MATERIALS AND EXPENSES

Item code	Unit	Quantity	Unit Price (\$)	Cost
066063 Public Information	LS	x	=	\$0
066105 RE Office	LS	x	=	\$0
066803 Padlocks	LS	x	=	\$0
066838 Reflective Numbers and Edge Sealer	LS	x	=	\$0
066901 Water Expenses	LS	x	=	\$0
066062A COZEEP Expenses	LS	x	=	\$0
06684X Ramp Meter Controller Assembly	LS	x	=	\$0
06684X TMS Controller Assembly	LS	x	=	\$0
06684X Traffic Signal Controller Assembly	LS	x	=	\$0
XXXXXX Some Item				

Total Section 1-8 \$ 349,000 0% = \$ -

TOTAL STATE FURNISHED	\$0
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SECTION 12: TIME-RELATED OVERHEAD

Estiamted Time-Releated Overhead (TRO) Percentage (0% to 10%) = 5%

Item code	Unit	Quantity	Unit Price (\$)	Cost
070018 Time-Related Overhead	WD	0	X #DIV/0!	= \$0

TOTAL TIME-RELATED OVERHEAD	\$0
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SECTION 13: CONTINGENCY

(Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)

Total Section 1-11 \$ 366,500 x 10% = \$36,650

TOTAL CONTINGENCY	\$36,700
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II. STRUCTURE ITEMS

DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
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DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
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TOTAL COST OF BRIDGES	\$0.00
TOTAL COST OF BUILDINGS	\$0.00

TOTAL COST OF STRUCTURES¹	\$0.00
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Estimate Prepared By: _____
XXXXXXXXXXXXXXXXXXXX ----- Division of Structures

_____ Date

¹Structure's Estimate includes Overhead and Mobilization.
Add more sheets if needed. Call them 9a, 9b, 9c, ..., etc

III. RIGHT OF WAY

Fill in all of the available information from the Right of Way data sheet.

A)	A1)	Acquisition, including Excess Land Purchases, Damages & Goodwill,	\$	0
	A2)	SB-1210	\$	0
B)		Acquisition of Offsite Mitigation	\$	0
C)	C1)	Utility Relocation (State Share)	\$	0
	C2)	Potholing (Design Phase)	\$	0
D)		Railroad Acquisition	\$	0
E)		Clearance / Demolition	\$	0
F)		Relocation Assistance (RAP and/or Last Resort Housing Costs)	\$	0
G)		Title and Escrow	\$	0
H)		Environmental Review	\$	0
I)		Condemnation Settlements	0%	0
		(Items G & H applied to items A + B)		
J)		Design Appreciation Factor	0%	0
K)		Utility Relocation (Construction Cost)	\$	0

L)

TOTAL RIGHT OF WAY ESTIMATE	\$0
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(Excluding Item #8 - Hazardous Waste)

M)

TOTAL R/W ESTIMATE: Escalated	\$0
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N)

Right of Way Support	\$	0
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Support Cost		
Estimate Prepared By	Project Coordinator ¹	Phone
Utility Estimate		
Prepared By	Utility Coordinator ²	Phone
R/W Acquisition		
Estimate Prepared By	Right of Way Estimator ³	Phone

¹ When estimate has Support Costs only ² When estimate has Utility Relocation

³ When R/W Acquisition is required

DO NOT PRINT THIS SHEET AS PART OF COST ESTIMATE ATTACHMENT TO PROJECT INITIATION OR APPROVAL DOCUMENTS.

IV. SUPPORT COST ESTIMATE SUMMARY

Please obtain a P3 report (CL#3) from PPM to fill in the support cost for these categories.

SB-45 CATEGORY SUPPORT COST	PREVIOUS	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FUTURE	P3 Total	Support Ratio
PR/ED (PD,PE,PM)											\$ -	0.00%
PS&E (PS)											\$ -	0.00%
R/W (RW)											\$ -	0.00%
CONSTRUCTION (CM)											\$ -	0.00%
Total Support Cost:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	0.00%

Note: It is assumed that the Support Costs are already escalated by Programming to the year of expenditure. Use project Programming Sheet data.

Total Capital Cost:	\$404,000
Total Capital Outlay Support Cost:	\$0
Overall Percent Support Cost:	0.00%

V. ESCALATED CONSTRUCTION COST ESTIMATE SUMMARY

Note: Right of way escalated cost are accounted for on sheet 10 of 11.

	Month	/	Year
Date of Estimate (Month/Year)	10	/	2015
Estimated Date of Construction Start (Month/Year)	0	/	0
Number of Working Days	0	WD	
Estimated Mid-Point of Construction (Month/Year)	0	/	0

YEAR	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE
FORECASTED ESCALATION											

ESCALATED CONSTRUCTION COSTS	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE	TOTAL ESCALATED COSTS
ROADWAY ITEMS	\$ 403,200	\$ 403,200	\$ 403,200	\$ 403,200	\$ 403,200	\$ 403,200	\$ 403,200	\$ 403,200	\$ 403,200	\$ 403,200	\$ 403,200	\$ 403,200
STRUCTURE ITEMS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SUBTOTAL	\$ 403,200	\$ 403,200	\$ 403,200	\$ 403,200	\$ 403,200	\$ 403,200	\$ 403,200	\$ 403,200	\$ 403,200	\$ 403,200	\$ 403,200	\$ 403,200

Approved by:

Project Control Engineer

Date

PRELIMINARY
PROJECT COST ESTIMATE
Sound Wall Cost Estimate

Project ID:

Type of Estimate : Sound Wall NB 1-1 (16' Wall)
Program Code :
Project Limits :
Description: SR41 East Huntington Blvd to Mono Street
Scope :
Alternative :

	Current Cost	Escalated Cost
ROADWAY ITEMS	\$ 440,900	\$ 440,900
STRUCTURE ITEMS	\$ -	\$ -
SUBTOTAL CONSTRUCTION COST	\$ 440,900	\$ 440,900
RIGHT OF WAY	\$ -	\$ -
TOTAL CAPITAL OUTLAY COST	\$ 441,000	\$ 441,000
PR/ED SUPPORT	\$ -	\$ -
PS&E SUPPORT	\$ -	\$ -
RIGHT OF WAY SUPPORT	\$ -	\$ -
CONSTRUCTION SUPPORT	\$ -	\$ -
TOTAL CAPITAL OUTLAY SUPPORT COST*	\$ -	\$ -
TOTAL PROJECT COST	\$ 445,000	\$ 445,000

If Project has been programmed enter Programmed Amount \$ -

Date of Estimate (Month/Year) Month / Year
10 / 2015
Estimated Date of Construction Start (Month/Year) /
Number of Working Days Working Days
Estimated Mid-Point of Construction (Month/Year) Month / Year
Number of Plant Establishment Days Days

Estimated Project Schedule

PID Approval
PA/ED Approval
PS&E
RTL
Begin Construction

Approved by Project
Manager

10/30/2015

(559) 374-3111

Project Manager

Date

Phone

I. ROADWAY ITEMS SUMMARY

Section		Cost
1	Earthwork	\$ 5,000
2	Pavement Structural Section	\$ -
3	Drainage	\$ -
4	Specialty Items	\$ 351,100
5	Environmental	\$ 16,400
6	Traffic Items	\$ 9,200
7	Detours	\$ -
8	Minor Items	\$ -
9	Roadway Mobilization	\$ -
10	Supplemental Work	\$ 19,100
11	State Furnished	\$ -
12	Contingencies	\$ 40,100
13	Overhead	\$ -
TOTAL ROADWAY ITEMS		\$ 440,900

Estimate Prepared By	Melissa Blau - Design Engineer	10/29/2015	(559) 374-3107
	Name and Title	Date	Phone

Estimate Reviewed By	Edgar Noriega - Project Manager	10/30/2015	(559) 374-3111
	Name and Title	Date	Phone

By signing this estimate you are attesting that you have discussed your project with all functional units and have incorporated all their comments or have discussed with them why they will not be incorporated.

PRELIMINARY
PROJECT COST ESTIMATE

SECTION 1: EARTHWORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
160101 Clearing & Grubbing	LS	1	x 5,000.00	= \$ 5,000
170101 Develop Water Supply	LS		x	= \$ -
190101 Roadway Excavation	CY		x	= \$ -
190103 Roadway Excavation (Type Y) ADL	CY		x	= \$ -
190105 Roadway Excavation (Type Z-2) ADL	CY		x	= \$ -
192037 Structure Excavation (Retaining Wall)	CY		x	= \$ -
193013 Structure Backfill (Retaining Wall)	CY		x	= \$ -
193031 Pervious Backfill Material (Retaining Wall)	CY		x	= \$ -
194001 Ditch Excavation	CY		x	= \$ -
198001 Impored Borrow	CY		x	= \$ -
198007 Imported Material (Shoulder Backing)	TON		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL EARTHWORK SECTION ITEMS	\$ 5,000
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SECTION 2: PAVEMENT STRUCTURAL SECTION

Item code	Unit	Quantity	Unit Price (\$)	Cost
150771 Remove Asphalt Concrete Dike	LF		x	= \$ -
150860 Remove Base and Surfacing	CY		x	= \$ -
153103 Cold Plane Asphalt Concrete Pavement	SQYD		x	= \$ -
1532XX Remove Concrete (type)	CY		x	= \$ -
250401 Class 4 Aggregate Subbase	CY		x	= \$ -
260201 Class 2 Aggregate Base	CY		x	= \$ -
290201 Asphalt Treated Permeable Base	CY		x	= \$ -
365001 Sand Cover	TON		x	= \$ -
374002 Asphaltic Emulsion (Fog Seal Coat)	TON		x	= \$ -
374492 Asphaltic Emulsion (Polymer Modified)	TON		x	= \$ -
3750XX Screenings (Type XX)	TON		x	= \$ -
377501 Slurry Seal	TON		x	= \$ -
390095 Replace Asphalt Concrete Surfacing	CY		x	= \$ -
390132 Hot Mix Asphalt (Type A)	TON		x	= \$ -
390136 Minor Hot Mix Asphalt	TON		x	= \$ -
390137 Rubberized Hot Mix Asphalt (Gap Graded)	TON		x	= \$ -
393003 Geosynthetic Pavement Interlayer	SQYD		x	= \$ -
39405X Shoulder Rumber Strip (HMA, Type XX Inden	STA		x	= \$ -
394071 Place Hot Mix Asphalt Dike	LF		x	= \$ -
394090 Place Hot Mix Asphalt (Misc. Area)	SQYD		x	= \$ -
397005 Tack Coat	TON		x	= \$ -
401000 Concrete Pavement	CY		x	= \$ -
401108 Replace Concrete Pavement (Rapid Strength	CY		x	= \$ -
404092 Seal Pavement Joint	LF		x	= \$ -
404094 Seal Longitudinal Isolation Joint	LF		x	= \$ -
413112A Repair Spalled Joints (Polyester Grout)	SQYD		x	= \$ -
413115 Seal Existing Concrete Pavement Joint	LF		x	= \$ -
420102 Groove Existing Concrete Pavement	SQYD		x	= \$ -
420201 Grind Existing Concrete Pavement	SQYD		x	= \$ -
731502 Minor Concrete (Misc. Const)	CY		x	= \$ -
731530 Minor Concrete (Textured Paving)	SQFT		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL STRUCTURAL SECTION ITEMS	\$ -
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SECTION 3: DRAINAGE

Item code	Unit	Quantity	Unit Price (\$)	Cost
150206 Abandon Culvert	LF	x	= \$	-
150805 Remove Culvert	LF	x	= \$	-
150820 Modify Inlet	EA	x	= \$	-
152430 Adjust Inlet	LF	x	= \$	-
155003 Cap Inlet	EA	x	= \$	-
193114 Sand Backfill	CY	x	= \$	-
510502 Minor Concrete (Minor Structure)	CY	x	= \$	-
510512 Minor Concrete (Box Culvert)	CY	x	= \$	-
62XXXX XXX" APC Pipe	LF	x	= \$	-
64XXXX XXX" Plastic Pipe	LF	x	= \$	-
65XXXX XXX" RCP Pipe	LF	x	= \$	-
66XXXX XXX" CSP Pipe	LF	x	= \$	-
68XXXX Edge Drain	LF	x	= \$	-
69XXXX XXX" Pipe Downdrain	LF	x	= \$	-
70XXXX XXX" Pipe Inlet	LF	x	= \$	-
70XXXX XXX" Pipe Riser	LF	x	= \$	-
70XXXX XXX" Flared End Section	EA	x	= \$	-
703233 Grated Line Drain	LF	x	= \$	-
72XXXX Rock Slope Protection (Type and Method)	CY	x	= \$	-
721420 Concrete (Ditch Lining)	CY	x	= \$	-
721430 Concrete (Channel Lining)	CY	x	= \$	-
729010 Rock Slope Protection Fabric	SQYD	x	= \$	-
750001 Miscellaneous Iron and Steel	LB	x	= \$	-
XXXXXX Additional Drainage	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL DRAINAGE ITEMS	\$	-
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SECTION 4: SPECIALTY ITEMS

Item code	Unit	Quantity	Unit Price (\$)	Cost
070012 Progress Schedule (Critical Path Method)	LS	x	= \$	-
150662 Remove Metal Beam Guard Railing	LF	x	= \$	-
150668 Remove Terminal Systems	EA	x	= \$	-
1532XX Remove Barrier (60)	LF	x	= \$	-
153250 Remove Sound Wall	SQFT	5,280	x 10.00	= \$ 52,800
190110 Lead Compliance Plan	LS	x	= \$	-
490601 CIDH Concrete Piling (16")	LF	817	x 45.00	= \$ 36,765
510060 Structural Concrete (Retaining Wall)	CY	x	= \$	-
510133 Class 2 Concrete (Retaining Wall)	CY	x	= \$	-
510524 Minor Concrete (Sound Wall)	CY	x	= \$	-
5110XX Architectural Treatment (Insert Type)	SQFT	x	= \$	-
511048 Apply Anti-Graffiti Coating	SQFT	x	= \$	-
5136XX Reinforced Concrete Crib Wall (Insert Type)	SQFT	x	= \$	-
518002 Sound Wall (Masonry Block)	SQFT	13,072	x 20.00	= \$ 261,440
520103 Bar Reinf. Steel (Retaining Wall)	LB	x	= \$	-
80XXXX Fence (Insert Type)	LF	x	= \$	-
832001 Metal Beam Guard Railing	LF	x	= \$	-
839310 Double Thrie Beam Barrier	LF	x	= \$	-
839521 Cable Railing	LF	x	= \$	-
83954X Transition Railing (Insert Type)	EA	x	= \$	-
8395XX Terminal System (Type CAT)	EA	x	= \$	-
8395XX Alternative Flared Terminal System	EA	x	= \$	-
8395XX End Anchor Assembly (Insert Type)	EA	x	= \$	-
839561 Rail Tensioning Assembly	EA	x	= \$	-
839XXX Crash Cushion (Insert Type)	EA	x	= \$	-
839701 Concrete Barrier (60)	LF	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL SPECIALTY ITEMS	\$	351,100
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SECTION 5: ENVIRONMENTAL

5A - ENVIRONMENTAL MITIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
Biological Mitigation	LS	x	= \$	-
071325 TEMPORARY REINFORCED SILT FENCE	LF	x	= \$	-
071325 Temporary Fence (Type ESA)				
Subtotal Environmental				\$ -

5B - LANDSCAPE AND IRRIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
200001 Highway Planting	LS	1 x	16,400.00 = \$	16,400
20XXXX XXX" (Insert Type) Conduit (Use for	LF	x	= \$	-
20XXXX Extend XXX" (Insert Type) Conduit	LF	x	= \$	-
201700 Imported Topsoil	CY	x	= \$	-
2030XX Erosion Control (Type __)	SQYD	x	= \$	-
203021 Fiber Rolls	LF	x	= \$	-
203026 Move In/ Move Out (Erosion Control)	EA	x	= \$	-
204099 Plant Establishment Work	LS	x	= \$	-
204101 Extend Plant Establishment (X Years)	LS	x	= \$	-
208000 Irrigation System	LS	x	= \$	-
208304 Water Meter	EA	x	= \$	-
209801 Maintenance Vehicle Pullout	EA	x	= \$	-
XXXXXX Some Item				
Subtotal Landscape and Irrigation				\$ 16,400

5C - NPDES

Item code	Unit	Quantity	Unit Price (\$)	Cost
074016 Construction Site Management	LS	x	= \$	-
074017 Prepare WPCP	LS	x	= \$	-
074019 Prepare SWPPP	LS	x	= \$	-
074023 Temporary Erosion Control	SQYD	x	= \$	-
074027 Temporary Erosion Control Blanket	SQYD	x	= \$	-
074028 Temporary Fiber Roll	LF	x	= \$	-
074032 Temporary Concrete Washout Facility	EA	x	= \$	-
074033 Temporary Construction Entrance	EA	x	= \$	-
074035 Temporary Check Dam	LF	x	= \$	-
074037 Move In/ Move Out (Temporary Erosion Cont	EA	x	= \$	-
074038 Temp. Drainage Inlet Protection	EA	x	= \$	-
074041 Street Sweeping	LS	x	= \$	-
074042 Temporary Concrete Washout (Portable)	LS	x	= \$	-
XXXXXX Some Item				

Supplemental Work for NPDES

(These costs are not accounted in total here but under Supplemental Work on sheet 7 of 11).

066595 Water Pollution Control Maintenance Sharing	LS	x	= \$	-
066596 Additional Water Pollution Control**	LS	x	= \$	-
066597 Storm Water Sampling and Analysis***	LS	x	= \$	-
XXXXXX Some Item				

Subtotal NPDES (Without Supplemental Work) \$ -

*Applies to all SWPPPs and those WPCPs with sediment control or soil stabilization BMPs.

**Applies to both SWPPPs and WPCP projects.

*** Applies only to project with SWPPPs.

TOTAL ENVIRONMENTAL	\$ 16,400
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SECTION 6: TRAFFIC ITEMS

6A - Traffic Electrical

Item code	Unit	Quantity	Unit Price (\$)	Cost
150760 Remove Sign Structure	EA	x	= \$	-
151581 Reconstruct Sign Structure	EA	x	= \$	-
152641 Modify Sign Structure	EA	x	= \$	-
5602XX Furnish Sign Structure	LB	x	= \$	-
5602XX Install Sign Structure	LB	x	= \$	-
56XXXX XXX" CIDHC Pile (Sign Foundation)	LF	x	= \$	-
860090 Maintain Existing Traffic Management	LS	x	= \$	-
860810 Inductive Loop Detectors	EA	x	= \$	-
86055X Lighting & Sign Illumination	LS	x	= \$	-
8607XX Interconnection Facilities	LS	x	= \$	-
8609XX Traffic Monitoring Stations	LS	x	= \$	-
860XXX Signals & Lighting	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
86XXXX Fiber Optic Conduit System	LS	x	= \$	-
XXXXX Some Item				
<i>Subtotal Traffic Electrical</i>				<i>\$ -</i>

6B - Traffic Signing and Striping

Item code	Unit	Quantity	Unit Price (\$)	Cost
120090 Construction Area Signs	LS	1	x 2,750.00 = \$	2,750
150701 Remove Yellow Painted Traffic Stripe	LF	x	= \$	-
150710 Remove Traffic Stripe	LF	x	= \$	-
150713 Remove Pavement Marking	SQFT	x	= \$	-
150742 Remove Roadside Sign	EA	x	= \$	-
152320 Reset Roadside Sign	EA	x	= \$	-
152390 Relocate Roadside Sign	EA	x	= \$	-
566011 Roadside Sign (One Post)	EA	x	= \$	-
566012 Roadside Sign (Two Post)	EA	x	= \$	-
560XXX Furnish Sign Panels	SQFT	x	= \$	-
560XXX Install Sign Panels	SQFT	x	= \$	-
82010X Delineator (Class X)	EA	x	= \$	-
84XXXX Permanent Pavement Delineation	LS	x	= \$	-
<i>Subtotal Traffic Signing and Striping</i>				<i>\$ 2,750</i>

6C - Stage Construction and Traffic Handling

Item code	Unit	Quantity	Unit Price (\$)	Cost
120100 Traffic Control System	LS	1	x 5,000.00 = \$	5,000
120120 Type III Barricade	EA	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
12016X Channelizer	EA	48	x 30.00 = \$	1,440
128650 Portable Changeable Message Signs	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
129100 Temp. Crash Cushion Module	EA	x	= \$	-
129099A Traffic Plastic Drum	EA	x	= \$	-
839603A Temporary Crash Cushion (ADIEM)	EA	x	= \$	-
XXXXXX Some Item				
<i>Subtotal Stage Construction and Traffic Handling</i>				<i>\$ 6,440</i>

TOTAL TRAFFIC ITEMS	\$ 9,200
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SECTION 7: DETOURS

Include constructing, maintaining, and removal

Item code	Unit	Quantity	Unit Price (\$)	Cost
0713XX Temporary Fence (Type X)	LF	x	= \$	-
07XXXX Temporary Drainage	LS	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
1286XX Temporary Signals	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
190101 Roadway Excavation	CY	x	= \$	-
198001 Imported Borrow	CY	x	= \$	-
198050 Embankment	CY	x	= \$	-
250401 Class 4 Aggregate Subbase	CY	x	= \$	-
260201 Class 2 Aggregate Base	CY	x	= \$	-
390132 Hot Mix Asphalt (Type A)	TON	x	= \$	-
XXXXXX Some Item	LS	x	= \$	-

TOTAL DETOURS	\$	-
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SUBTOTAL SECTIONS 1-7 \$ 381,700

SECTION 8: MINOR ITEMS

8A - Americans with Disabilities Act Items

ADA Items 0.0% \$ -

8B - Bike Path Items

Bike Path Items 0.0% \$ -

8C - Other Minor Items

Other Minor Items 0.0% \$ -

Total of Section 1-7 \$ 381,700 x 0.0% = \$ -

TOTAL MINOR ITEMS	\$	-
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SECTIONS 9: MOBILIZATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
999990 Total Section 1-8	\$	381,700	x 10%	= \$ -

TOTAL MOBILIZATION	\$	-
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SECTION 10: SUPPLEMENTAL WORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
066015 Federal Trainee Program	LS	x	= \$	-
066063 Traffic Management Plan - Public Informati	LS	x	= \$	-
066090 Maintain Traffic	LS	x	= \$	-
066094 Value Analysis	LS	x	= \$	-
066204 Remove Rock & Debris	LS	x	= \$	-
066222 Locate Existing Cross-Over	LS	x	= \$	-
066670 Payment Adjustments For Price Index Fluct	LS	x	= \$	-
066700 Partnering	LS	x	= \$	-
066866 Operation of Existing Traffic Management S	LS	x	= \$	-
066920 Dispute Review Board	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

Cost of NPDES Supplemental Work specified in Section 5C = \$ -

Total Section 1-8 \$ 381,700 5% = \$ 19,085

TOTAL SUPPLEMENTAL WORK	\$	19,100
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PRELIMINARY
PROJECT COST ESTIMATE

SECTION 11: STATE FURNISHED MATERIALS AND EXPENSES

Item code	Unit	Quantity	Unit Price (\$)	Cost
066063 Public Information	LS	x	=	\$0
066105 RE Office	LS	x	=	\$0
066803 Padlocks	LS	x	=	\$0
066838 Reflective Numbers and Edge Sealer	LS	x	=	\$0
066901 Water Expenses	LS	x	=	\$0
066062A COZEEP Expenses	LS	x	=	\$0
06684X Ramp Meter Controller Assembly	LS	x	=	\$0
06684X TMS Controller Assembly	LS	x	=	\$0
06684X Traffic Signal Controller Assembly	LS	x	=	\$0
XXXXXX Some Item				

Total Section 1-8 \$ 381,700 0% = \$ -

TOTAL STATE FURNISHED	\$0
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SECTION 12: TIME-RELATED OVERHEAD

Estiamted Time-Releated Overhead (TRO) Percentage (0% to 10%) = 5%

Item code	Unit	Quantity	Unit Price (\$)	Cost
070018 Time-Related Overhead	WD	0	X #DIV/0! =	\$0

TOTAL TIME-RELATED OVERHEAD	\$0
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SECTION 13: CONTINGENCY

(Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)

Total Section 1-11 \$ 400,800 x 10% = \$40,080

TOTAL CONTINGENCY	\$40,100
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II. STRUCTURE ITEMS

DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
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DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
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TOTAL COST OF BRIDGES	\$0.00
TOTAL COST OF BUILDINGS	\$0.00

TOTAL COST OF STRUCTURES¹	\$0.00
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Estimate Prepared By: _____
XXXXXXXXXXXXXXXXXXXX ----- Division of Structures

_____ Date

¹Structure's Estimate includes Overhead and Mobilization.
Add more sheets if needed. Call them 9a, 9b, 9c, ..., etc

III. RIGHT OF WAY

Fill in all of the available information from the Right of Way data sheet.

A)	A1)	Acquisition, including Excess Land Purchases, Damages & Goodwill,	\$	0
	A2)	SB-1210	\$	0
B)		Acquisition of Offsite Mitigation	\$	0
C)	C1)	Utility Relocation (State Share)	\$	0
	C2)	Potholing (Design Phase)	\$	0
D)		Railroad Acquisition	\$	0
E)		Clearance / Demolition	\$	0
F)		Relocation Assistance (RAP and/or Last Resort Housing Costs)	\$	0
G)		Title and Escrow	\$	0
H)		Environmental Review	\$	0
I)		Condemnation Settlements <u>0%</u> (Items G & H applied to items A + B)	\$	0
J)		Design Appreciation Factor 0%	\$	0
K)		Utility Relocation (Construction Cost)	\$	0

L) **TOTAL RIGHT OF WAY ESTIMATE** **\$0**
(Excluding Item #8 - Hazardous Waste)

M) **TOTAL R/W ESTIMATE: Escalated** **\$0**

N) **Right of Way Support** **\$ 0**

Support Cost		
Estimate Prepared By	Project Coordinator ¹	Phone
Utility Estimate		
Prepared By	Utility Coordinator ²	Phone
R/W Acquisition		
Estimate Prepared By	Right of Way Estimator ³	Phone

¹ When estimate has Support Costs only ² When estimate has Utility Relocation

³ When R/W Acquisition is required

DO NOT PRINT THIS SHEET AS PART OF COST ESTIMATE ATTACHMENT TO PROJECT INITIATION OR APPROVAL DOCUMENTS.

IV. SUPPORT COST ESTIMATE SUMMARY

Please obtain a P3 report (CL#3) from PPM to fill in the support cost for these categories.

SB-45 CATEGORY SUPPORT COST	PREVIOUS	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FUTURE	P3 Total	Support Ratio
PR/ED (PD,PE,PM)											\$ -	0.00%
PS&E (PS)											\$ -	0.00%
R/W (RW)											\$ -	0.00%
CONSTRUCTION (CM)											\$ -	0.00%
Total Support Cost:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	0.00%

Note: It is assumed that the Support Costs are already escalated by Programming to the year of expenditure. Use project Programming Sheet data.

Total Capital Cost:	\$441,000
Total Capital Outlay Support Cost:	\$0
Overall Percent Support Cost:	0.00%

V. ESCALATED CONSTRUCTION COST ESTIMATE SUMMARY

Note: Right of way escalated cost are accounted for on sheet 10 of 11.

	Month	/	Year
Date of Estimate (Month/Year)	10	/	2015
Estimated Date of Construction Start (Month/Year)	0	/	0
Number of Working Days	0	WD	
Estimated Mid-Point of Construction (Month/Year)	0	/	0

YEAR	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE
FORECASTED ESCALATION											

ESCALATED CONSTRUCTION COSTS	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE	TOTAL ESCALATED COSTS
ROADWAY ITEMS	\$ 440,900	\$ 440,900	\$ 440,900	\$ 440,900	\$ 440,900	\$ 440,900	\$ 440,900	\$ 440,900	\$ 440,900	\$ 440,900	\$ 440,900	\$ 440,900
STRUCTURE ITEMS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SUBTOTAL	\$ 440,900	\$ 440,900	\$ 440,900	\$ 440,900	\$ 440,900	\$ 440,900	\$ 440,900	\$ 440,900	\$ 440,900	\$ 440,900	\$ 440,900	\$ 440,900

Approved by:

Project Control Engineer

Date

PRELIMINARY
PROJECT COST ESTIMATE
Sound Wall Cost Estimate

Project ID:

Type of Estimate : Sound Wall NB 1-2 (8' Wall)

Program Code :

Project Limits :

Description: SR41 SB On-ramp

Scope :

Alternative :

	Current Cost	Escalated Cost
ROADWAY ITEMS	\$ 128,100	\$ 128,100
STRUCTURE ITEMS	\$ -	\$ -
SUBTOTAL CONSTRUCTION COST	\$ 128,100	\$ 128,100
RIGHT OF WAY	\$ -	\$ -
TOTAL CAPITAL OUTLAY COST	\$ 129,000	\$ 129,000
PR/ED SUPPORT	\$ -	\$ -
PS&E SUPPORT	\$ -	\$ -
RIGHT OF WAY SUPPORT	\$ -	\$ -
CONSTRUCTION SUPPORT	\$ -	\$ -
TOTAL CAPITAL OUTLAY SUPPORT COST*	\$ -	\$ -
TOTAL PROJECT COST	\$ 130,000	\$ 130,000

If Project has been programmed enter Programmed Amount \$ -

Month / Year
10 / 2015

Date of Estimate (Month/Year)

/

Estimated Date of Construction Start (Month/Year)

Working Days

Number of Working Days

Month / Year

Estimated Mid-Point of Construction (Month/Year)

Days

Number of Plant Establishment Days

Estimated Project Schedule

PID Approval

PA/ED Approval

PS&E

RTL

Begin Construction

Approved by Project
Manager

10/30/2015

(559) 374-3111

Project Manager

Date

Phone

I. ROADWAY ITEMS SUMMARY

Section		Cost
1	Earthwork	\$ 5,000
2	Pavement Structural Section	\$ -
3	Drainage	\$ -
4	Specialty Items	\$ 94,300
5	Environmental	\$ 9,200
6	Traffic Items	\$ 2,300
7	Detours	\$ -
8	Minor Items	\$ -
9	Roadway Mobilization	\$ -
10	Supplemental Work	\$ 5,600
11	State Furnished	\$ -
12	Contingencies	\$ 11,700
13	Overhead	\$ -
TOTAL ROADWAY ITEMS		\$ 128,100

Estimate Prepared By	Melissa Blau - Design Engineer	10/29/2015	(559) 374-3107
	Name and Title	Date	Phone

Estimate Reviewed By	Edgar Noriega - Project Manager	10/30/2015	(559) 374-3111
	Name and Title	Date	Phone

By signing this estimate you are attesting that you have discussed your project with all functional units and have incorporated all their comments or have discussed with them why they will not be incorporated.

PRELIMINARY
PROJECT COST ESTIMATE

SECTION 1: EARTHWORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
160101 Clearing & Grubbing	LS	1	x 5,000.00	= \$ 5,000
170101 Develop Water Supply	LS		x	= \$ -
190101 Roadway Excavation	CY		x	= \$ -
190103 Roadway Excavation (Type Y) ADL	CY		x	= \$ -
190105 Roadway Excavation (Type Z-2) ADL	CY		x	= \$ -
192037 Structure Excavation (Retaining Wall)	CY		x	= \$ -
193013 Structure Backfill (Retaining Wall)	CY		x	= \$ -
193031 Pervious Backfill Material (Retaining Wall)	CY		x	= \$ -
194001 Ditch Excavation	CY		x	= \$ -
198001 Impored Borrow	CY		x	= \$ -
198007 Imported Material (Shoulder Backing)	TON		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL EARTHWORK SECTION ITEMS	\$ 5,000
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SECTION 2: PAVEMENT STRUCTURAL SECTION

Item code	Unit	Quantity	Unit Price (\$)	Cost
150771 Remove Asphalt Concrete Dike	LF		x	= \$ -
150860 Remove Base and Surfacing	CY		x	= \$ -
153103 Cold Plane Asphalt Concrete Pavement	SQYD		x	= \$ -
1532XX Remove Concrete (type)	CY		x	= \$ -
250401 Class 4 Aggregate Subbase	CY		x	= \$ -
260201 Class 2 Aggregate Base	CY		x	= \$ -
290201 Asphalt Treated Permeable Base	CY		x	= \$ -
365001 Sand Cover	TON		x	= \$ -
374002 Asphaltic Emulsion (Fog Seal Coat)	TON		x	= \$ -
374492 Asphaltic Emulsion (Polymer Modified)	TON		x	= \$ -
3750XX Screenings (Type XX)	TON		x	= \$ -
377501 Slurry Seal	TON		x	= \$ -
390095 Replace Asphalt Concrete Surfacing	CY		x	= \$ -
390132 Hot Mix Asphalt (Type A)	TON		x	= \$ -
390136 Minor Hot Mix Asphalt	TON		x	= \$ -
390137 Rubberized Hot Mix Asphalt (Gap Graded)	TON		x	= \$ -
393003 Geosynthetic Pavement Interlayer	SQYD		x	= \$ -
39405X Shoulder Rumber Strip (HMA, Type XX Inden	STA		x	= \$ -
394071 Place Hot Mix Asphalt Dike	LF		x	= \$ -
394090 Place Hot Mix Asphalt (Misc. Area)	SQYD		x	= \$ -
397005 Tack Coat	TON		x	= \$ -
401000 Concrete Pavement	CY		x	= \$ -
401108 Replace Concrete Pavement (Rapid Strength	CY		x	= \$ -
404092 Seal Pavement Joint	LF		x	= \$ -
404094 Seal Longitudinal Isolation Joint	LF		x	= \$ -
413112A Repair Spalled Joints (Polyester Grout)	SQYD		x	= \$ -
413115 Seal Existing Concrete Pavement Joint	LF		x	= \$ -
420102 Groove Existing Concrete Pavement	SQYD		x	= \$ -
420201 Grind Existing Concrete Pavement	SQYD		x	= \$ -
731502 Minor Concrete (Misc. Const)	CY		x	= \$ -
731530 Minor Concrete (Textured Paving)	SQFT		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL STRUCTURAL SECTION ITEMS	\$ -
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SECTION 3: DRAINAGE

Item code	Unit	Quantity	Unit Price (\$)	Cost
150206 Abandon Culvert	LF	x	= \$	-
150805 Remove Culvert	LF	x	= \$	-
150820 Modify Inlet	EA	x	= \$	-
152430 Adjust Inlet	LF	x	= \$	-
155003 Cap Inlet	EA	x	= \$	-
193114 Sand Backfill	CY	x	= \$	-
510502 Minor Concrete (Minor Structure)	CY	x	= \$	-
510512 Minor Concrete (Box Culvert)	CY	x	= \$	-
62XXXX XXX" APC Pipe	LF	x	= \$	-
64XXXX XXX" Plastic Pipe	LF	x	= \$	-
65XXXX XXX" RCP Pipe	LF	x	= \$	-
66XXXX XXX" CSP Pipe	LF	x	= \$	-
68XXXX Edge Drain	LF	x	= \$	-
69XXXX XXX" Pipe Downdrain	LF	x	= \$	-
70XXXX XXX" Pipe Inlet	LF	x	= \$	-
70XXXX XXX" Pipe Riser	LF	x	= \$	-
70XXXX XXX" Flared End Section	EA	x	= \$	-
703233 Grated Line Drain	LF	x	= \$	-
72XXXX Rock Slope Protection (Type and Method)	CY	x	= \$	-
721420 Concrete (Ditch Lining)	CY	x	= \$	-
721430 Concrete (Channel Lining)	CY	x	= \$	-
729010 Rock Slope Protection Fabric	SQYD	x	= \$	-
750001 Miscellaneous Iron and Steel	LB	x	= \$	-
XXXXXX Additional Drainage	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL DRAINAGE ITEMS	\$	-
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SECTION 4: SPECIALTY ITEMS

Item code	Unit	Quantity	Unit Price (\$)	Cost
070012 Progress Schedule (Critical Path Method)	LS	x	= \$	-
150662 Remove Metal Beam Guard Railing	LF	x	= \$	-
150668 Remove Terminal Systems	EA	x	= \$	-
1532XX Remove Barrier (60)	LF	x	= \$	-
153250 Remove Sound Wall	SQFT	x	= \$	-
190110 Lead Compliance Plan	LS	x	= \$	-
490601 CIDH Concrete Piling (16")	LF	460	45.00	20,700
510060 Structural Concrete (Retaining Wall)	CY	x	= \$	-
510133 Class 2 Concrete (Retaining Wall)	CY	x	= \$	-
510524 Minor Concrete (Sound Wall)	CY	x	= \$	-
5110XX Architectural Treatment (Insert Type)	SQFT	x	= \$	-
511048 Apply Anti-Graffiti Coating	SQFT	x	= \$	-
5136XX Reinforced Concrete Crib Wall (Insert Type)	SQFT	x	= \$	-
518002 Sound Wall (Masonry Block)	SQFT	3,680	20.00	73,600
520103 Bar Reinf. Steel (Retaining Wall)	LB	x	= \$	-
80XXXX Fence (Insert Type)	LF	x	= \$	-
832001 Metal Beam Guard Railing	LF	x	= \$	-
839310 Double Thrie Beam Barrier	LF	x	= \$	-
839521 Cable Railing	LF	x	= \$	-
83954X Transition Railing (Insert Type)	EA	x	= \$	-
8395XX Terminal System (Type CAT)	EA	x	= \$	-
8395XX Alternative Flared Terminal System	EA	x	= \$	-
8395XX End Anchor Assembly (Insert Type)	EA	x	= \$	-
839561 Rail Tensioning Assembly	EA	x	= \$	-
839XXX Crash Cushion (Insert Type)	EA	x	= \$	-
839701 Concrete Barrier (60)	LF	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL SPECIALTY ITEMS	\$	94,300
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SECTION 5: ENVIRONMENTAL

5A - ENVIRONMENTAL MITIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
Biological Mitigation	LS	x	= \$	-
071325 TEMPORARY REINFORCED SILT FENCE	LF	x	= \$	-
071325 Temporary Fence (Type ESA)				
Subtotal Environmental				\$ -

5B - LANDSCAPE AND IRRIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
200001 Highway Planting	LS	1 x	9,200.00 = \$	9,200
20XXXX XXX" (Insert Type) Conduit (Use for	LF	x	= \$	-
20XXXX Extend XXX" (Insert Type) Conduit	LF	x	= \$	-
201700 Imported Topsoil	CY	x	= \$	-
2030XX Erosion Control (Type __)	SQYD	x	= \$	-
203021 Fiber Rolls	LF	x	= \$	-
203026 Move In/ Move Out (Erosion Control)	EA	x	= \$	-
204099 Plant Establishment Work	LS	x	= \$	-
204101 Extend Plant Establishment (X Years)	LS	x	= \$	-
208000 Irrigation System	LS	x	= \$	-
208304 Water Meter	EA	x	= \$	-
209801 Maintenance Vehicle Pullout	EA	x	= \$	-
XXXXXX Some Item				
Subtotal Landscape and Irrigation				\$ 9,200

5C - NPDES

Item code	Unit	Quantity	Unit Price (\$)	Cost
074016 Construction Site Management	LS	x	= \$	-
074017 Prepare WPCP	LS	x	= \$	-
074019 Prepare SWPPP	LS	x	= \$	-
074023 Temporary Erosion Control	SQYD	x	= \$	-
074027 Temporary Erosion Control Blanket	SQYD	x	= \$	-
074028 Temporary Fiber Roll	LF	x	= \$	-
074032 Temporary Concrete Washout Facility	EA	x	= \$	-
074033 Temporary Construction Entrance	EA	x	= \$	-
074035 Temporary Check Dam	LF	x	= \$	-
074037 Move In/ Move Out (Temporary Erosion Cont	EA	x	= \$	-
074038 Temp. Drainage Inlet Protection	EA	x	= \$	-
074041 Street Sweeping	LS	x	= \$	-
074042 Temporary Concrete Washout (Portable)	LS	x	= \$	-
XXXXXX Some Item				

Supplemental Work for NPDES

(These costs are not accounted in total here but under Supplemental Work on sheet 7 of 11).

066595 Water Pollution Control Maintenance Sharing	LS	x	= \$	-
066596 Additional Water Pollution Control**	LS	x	= \$	-
066597 Storm Water Sampling and Analysis***	LS	x	= \$	-
XXXXXX Some Item				

Subtotal NPDES (Without Supplemental Work) \$ -

*Applies to all SWPPPs and those WPCPs with sediment control or soil stabilization BMPs.

**Applies to both SWPPPs and WPCP projects.

*** Applies only to project with SWPPPs.

TOTAL ENVIRONMENTAL	\$ 9,200
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SECTION 6: TRAFFIC ITEMS

6A - Traffic Electrical

Item code	Unit	Quantity	Unit Price (\$)	Cost
150760 Remove Sign Structure	EA	x	= \$	-
151581 Reconstruct Sign Structure	EA	x	= \$	-
152641 Modify Sign Structure	EA	x	= \$	-
5602XX Furnish Sign Structure	LB	x	= \$	-
5602XX Install Sign Structure	LB	x	= \$	-
56XXXX XXX" CIDHC Pile (Sign Foundation)	LF	x	= \$	-
860090 Maintain Existing Traffic Management	LS	x	= \$	-
860810 Inductive Loop Detectors	EA	x	= \$	-
86055X Lighting & Sign Illumination	LS	x	= \$	-
8607XX Interconnection Facilities	LS	x	= \$	-
8609XX Traffic Monitoring Stations	LS	x	= \$	-
860XXX Signals & Lighting	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
86XXXX Fiber Optic Conduit System	LS	x	= \$	-
XXXXX Some Item				
Subtotal Traffic Electrical				\$ -

6B - Traffic Signing and Striping

Item code	Unit	Quantity	Unit Price (\$)	Cost
120090 Construction Area Signs	LS	1	x 2,000.00 = \$	2,000
150701 Remove Yellow Painted Traffic Stripe	LF	x	= \$	-
150710 Remove Traffic Stripe	LF	x	= \$	-
150713 Remove Pavement Marking	SQFT	x	= \$	-
150742 Remove Roadside Sign	EA	x	= \$	-
152320 Reset Roadside Sign	EA	x	= \$	-
152390 Relocate Roadside Sign	EA	x	= \$	-
566011 Roadside Sign (One Post)	EA	x	= \$	-
566012 Roadside Sign (Two Post)	EA	x	= \$	-
560XXX Furnish Sign Panels	SQFT	x	= \$	-
560XXX Install Sign Panels	SQFT	x	= \$	-
82010X Delineator (Class X)	EA	x	= \$	-
84XXXX Permanent Pavement Delineation	LS	x	= \$	-
Subtotal Traffic Signing and Striping				\$ 2,000

6C - Stage Construction and Traffic Handling

Item code	Unit	Quantity	Unit Price (\$)	Cost
120100 Traffic Control System	LS	x	= \$	-
120120 Type III Barricade	EA	3	x 100.00 = \$	300
120143 Temporary Pavement Delineation	LF	x	= \$	-
12016X Channelizer	EA	x	= \$	-
128650 Portable Changeable Message Signs	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
129100 Temp. Crash Cushion Module	EA	x	= \$	-
129099A Traffic Plastic Drum	EA	x	= \$	-
839603A Temporary Crash Cushion (ADIEM)	EA	x	= \$	-
XXXXXX Some Item				
Subtotal Stage Construction and Traffic Handling				\$ 300

TOTAL TRAFFIC ITEMS	\$ 2,300
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SECTION 7: DETOURS

Include constructing, maintaining, and removal

Item code	Unit	Quantity	Unit Price (\$)	Cost
0713XX Temporary Fence (Type X)	LF	x	= \$	-
07XXXX Temporary Drainage	LS	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
1286XX Temporary Signals	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
190101 Roadway Excavation	CY	x	= \$	-
198001 Imported Borrow	CY	x	= \$	-
198050 Embankment	CY	x	= \$	-
250401 Class 4 Aggregate Subbase	CY	x	= \$	-
260201 Class 2 Aggregate Base	CY	x	= \$	-
390132 Hot Mix Asphalt (Type A)	TON	x	= \$	-
XXXXXX Some Item	LS	x	= \$	-

TOTAL DETOURS	\$	-
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SUBTOTAL SECTIONS 1-7 \$ 110,800

SECTION 8: MINOR ITEMS

8A - Americans with Disabilities Act Items

ADA Items 0.0% \$ -

8B - Bike Path Items

Bike Path Items 0.0% \$ -

8C - Other Minor Items

Other Minor Items 0.0% \$ -

Total of Section 1-7 \$ 110,800 x 0.0% = \$ -

TOTAL MINOR ITEMS	\$	-
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SECTIONS 9: MOBILIZATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
999990 Total Section 1-8	\$	110,800	x 10%	= \$ -

TOTAL MOBILIZATION	\$	-
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SECTION 10: SUPPLEMENTAL WORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
066015 Federal Trainee Program	LS	x	= \$	-
066063 Traffic Management Plan - Public Informati	LS	x	= \$	-
066090 Maintain Traffic	LS	x	= \$	-
066094 Value Analysis	LS	x	= \$	-
066204 Remove Rock & Debris	LS	x	= \$	-
066222 Locate Existing Cross-Over	LS	x	= \$	-
066670 Payment Adjustments For Price Index Fluct	LS	x	= \$	-
066700 Partnering	LS	x	= \$	-
066866 Operation of Existing Traffic Management S	LS	x	= \$	-
066920 Dispute Review Board	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

Cost of NPDES Supplemental Work specified in Section 5C = \$ -

Total Section 1-8 \$ 110,800 5% = \$ 5,540

TOTAL SUPPLEMENTAL WORK	\$	5,600
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PRELIMINARY
PROJECT COST ESTIMATE

SECTION 11: STATE FURNISHED MATERIALS AND EXPENSES

Item code	Unit	Quantity	Unit Price (\$)	Cost
066063 Public Information	LS	x	=	\$0
066105 RE Office	LS	x	=	\$0
066803 Padlocks	LS	x	=	\$0
066838 Reflective Numbers and Edge Sealer	LS	x	=	\$0
066901 Water Expenses	LS	x	=	\$0
066062A COZEEP Expenses	LS	x	=	\$0
06684X Ramp Meter Controller Assembly	LS	x	=	\$0
06684X TMS Controller Assembly	LS	x	=	\$0
06684X Traffic Signal Controller Assembly	LS	x	=	\$0
XXXXXX Some Item				

Total Section 1-8 \$ 110,800 0% = \$ -

TOTAL STATE FURNISHED	\$0
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SECTION 12: TIME-RELATED OVERHEAD

Estiamted Time-Releated Overhead (TRO) Percentage (0% to 10%) = 5%

Item code	Unit	Quantity	Unit Price (\$)	Cost
070018 Time-Related Overhead	WD	0	X #DIV/0! =	\$0

TOTAL TIME-RELATED OVERHEAD	\$0
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SECTION 13: CONTINGENCY

(Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)

Total Section 1-11 \$ 116,400 x 10% = \$11,640

TOTAL CONTINGENCY	\$11,700
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II. STRUCTURE ITEMS

DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
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DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
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TOTAL COST OF BRIDGES	\$0.00
TOTAL COST OF BUILDINGS	\$0.00

TOTAL COST OF STRUCTURES¹	\$0.00
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Estimate Prepared By: _____
XXXXXXXXXXXXXXXXXXXX ----- Division of Structures

_____ Date

¹Structure's Estimate includes Overhead and Mobilization.
Add more sheets if needed. Call them 9a, 9b, 9c, ..., etc

III. RIGHT OF WAY

Fill in all of the available information from the Right of Way data sheet.

A)	A1)	Acquisition, including Excess Land Purchases, Damages & Goodwill,	\$	0
	A2)	SB-1210	\$	0
B)		Acquisition of Offsite Mitigation	\$	0
C)	C1)	Utility Relocation (State Share)	\$	0
	C2)	Potholing (Design Phase)	\$	0
D)		Railroad Acquisition	\$	0
E)		Clearance / Demolition	\$	0
F)		Relocation Assistance (RAP and/or Last Resort Housing Costs)	\$	0
G)		Title and Escrow	\$	0
H)		Environmental Review	\$	0
I)		Condemnation Settlements	0%	0
		(Items G & H applied to items A + B)		
J)		Design Appreciation Factor	0%	0
K)		Utility Relocation (Construction Cost)	\$	0

L)

TOTAL RIGHT OF WAY ESTIMATE	\$0
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(Excluding Item #8 - Hazardous Waste)

M)

TOTAL R/W ESTIMATE: Escalated	\$0
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N)

Right of Way Support	\$	0
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Support Cost		
Estimate Prepared By	Project Coordinator ¹	Phone
Utility Estimate		
Prepared By	Utility Coordinator ²	Phone
R/W Acquisition		
Estimate Prepared By	Right of Way Estimator ³	Phone

¹ When estimate has Support Costs only ² When estimate has Utility Relocation

³ When R/W Acquisition is required

DO NOT PRINT THIS SHEET AS PART OF COST ESTIMATE ATTACHMENT TO PROJECT INITIATION OR APPROVAL DOCUMENTS.

IV. SUPPORT COST ESTIMATE SUMMARY

Please obtain a P3 report (CL#3) from PPM to fill in the support cost for these categories.

SB-45 CATEGORY SUPPORT COST	PREVIOUS	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FUTURE	P3 Total	Support Ratio
PR/ED (PD,PE,PM)											\$ -	0.00%
PS&E (PS)											\$ -	0.00%
R/W (RW)											\$ -	0.00%
CONSTRUCTION (CM)											\$ -	0.00%
Total Support Cost:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	0.00%

Note: It is assumed that the Support Costs are already escalated by Programming to the year of expenditure. Use project Programming Sheet data.

Total Capital Cost:	\$129,000
Total Capital Outlay Support Cost:	\$0
Overall Percent Support Cost:	0.00%

V. ESCALATED CONSTRUCTION COST ESTIMATE SUMMARY

Note: Right of way escalated cost are accounted for on sheet 10 of 11.

	Month	/	Year
Date of Estimate (Month/Year)	10	/	2015
Estimated Date of Construction Start (Month/Year)	0	/	0
Number of Working Days	0	WD	
Estimated Mid-Point of Construction (Month/Year)	0	/	0

YEAR	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE
FORECASTED ESCALATION											

ESCALATED CONSTRUCTION COSTS	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE	TOTAL ESCALATED COSTS
ROADWAY ITEMS	\$ 128,100	\$ 128,100	\$ 128,100	\$ 128,100	\$ 128,100	\$ 128,100	\$ 128,100	\$ 128,100	\$ 128,100	\$ 128,100	\$ 128,100	\$ 128,100
STRUCTURE ITEMS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SUBTOTAL	\$ 128,100	\$ 128,100	\$ 128,100	\$ 128,100	\$ 128,100	\$ 128,100	\$ 128,100	\$ 128,100	\$ 128,100	\$ 128,100	\$ 128,100	\$ 128,100

Approved by:

Project Control Engineer

Date

PRELIMINARY
PROJECT COST ESTIMATE
Sound Wall Cost Estimate

Project ID:

Type of Estimate : Sound Wall NB 1-2 (10' Wall)

Program Code :

Project Limits :

Description: SR41 SB On-ramp

Scope :

Alternative :

	Current Cost	Escalated Cost
ROADWAY ITEMS	\$ 149,300	\$ 149,300
STRUCTURE ITEMS	\$ -	\$ -
SUBTOTAL CONSTRUCTION COST	\$ 149,300	\$ 149,300
RIGHT OF WAY	\$ -	\$ -
TOTAL CAPITAL OUTLAY COST	\$ 150,000	\$ 150,000
PR/ED SUPPORT	\$ -	\$ -
PS&E SUPPORT	\$ -	\$ -
RIGHT OF WAY SUPPORT	\$ -	\$ -
CONSTRUCTION SUPPORT	\$ -	\$ -
TOTAL CAPITAL OUTLAY SUPPORT COST*	\$ -	\$ -
TOTAL PROJECT COST	\$ 150,000	\$ 150,000

If Project has been programmed enter Programmed Amount \$ -

Month / Year
10 / 2015

Date of Estimate (Month/Year)

/

Estimated Date of Construction Start (Month/Year)

Working Days

Number of Working Days

Month / Year

Estimated Mid-Point of Construction (Month/Year)

Days

Number of Plant Establishment Days

Estimated Project Schedule

PID Approval

PA/ED Approval

PS&E

RTL

Begin Construction

Approved by Project
Manager

10/30/2015

(559) 374-3111

Project Manager

Date

Phone

I. ROADWAY ITEMS SUMMARY

Section		Cost
1	Earthwork	\$ 5,000
2	Pavement Structural Section	\$ -
3	Drainage	\$ -
4	Specialty Items	\$ 112,700
5	Environmental	\$ 9,200
6	Traffic Items	\$ 2,300
7	Detours	\$ -
8	Minor Items	\$ -
9	Roadway Mobilization	\$ -
10	Supplemental Work	\$ 6,500
11	State Furnished	\$ -
12	Contingencies	\$ 13,600
13	Overhead	\$ -
TOTAL ROADWAY ITEMS		\$ 149,300

Estimate Prepared By	Melissa Blau - Design Engineer	10/29/2015	(559) 374-3107
	Name and Title	Date	Phone

Estimate Reviewed By	Edgar Noriega - Project Manager	10/30/2015	(559) 374-3111
	Name and Title	Date	Phone

By signing this estimate you are attesting that you have discussed your project with all functional units and have incorporated all their comments or have discussed with them why they will not be incorporated.

PRELIMINARY
PROJECT COST ESTIMATE

SECTION 1: EARTHWORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
160101 Clearing & Grubbing	LS	1	x 5,000.00	= \$ 5,000
170101 Develop Water Supply	LS		x	= \$ -
190101 Roadway Excavation	CY		x	= \$ -
190103 Roadway Excavation (Type Y) ADL	CY		x	= \$ -
190105 Roadway Excavation (Type Z-2) ADL	CY		x	= \$ -
192037 Structure Excavation (Retaining Wall)	CY		x	= \$ -
193013 Structure Backfill (Retaining Wall)	CY		x	= \$ -
193031 Pervious Backfill Material (Retaining Wall)	CY		x	= \$ -
194001 Ditch Excavation	CY		x	= \$ -
198001 Impored Borrow	CY		x	= \$ -
198007 Imported Material (Shoulder Backing)	TON		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL EARTHWORK SECTION ITEMS	\$ 5,000
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SECTION 2: PAVEMENT STRUCTURAL SECTION

Item code	Unit	Quantity	Unit Price (\$)	Cost
150771 Remove Asphalt Concrete Dike	LF		x	= \$ -
150860 Remove Base and Surfacing	CY		x	= \$ -
153103 Cold Plane Asphalt Concrete Pavement	SQYD		x	= \$ -
1532XX Remove Concrete (type)	CY		x	= \$ -
250401 Class 4 Aggregate Subbase	CY		x	= \$ -
260201 Class 2 Aggregate Base	CY		x	= \$ -
290201 Asphalt Treated Permeable Base	CY		x	= \$ -
365001 Sand Cover	TON		x	= \$ -
374002 Asphaltic Emulsion (Fog Seal Coat)	TON		x	= \$ -
374492 Asphaltic Emulsion (Polymer Modified)	TON		x	= \$ -
3750XX Screenings (Type XX)	TON		x	= \$ -
377501 Slurry Seal	TON		x	= \$ -
390095 Replace Asphalt Concrete Surfacing	CY		x	= \$ -
390132 Hot Mix Asphalt (Type A)	TON		x	= \$ -
390136 Minor Hot Mix Asphalt	TON		x	= \$ -
390137 Rubberized Hot Mix Asphalt (Gap Graded)	TON		x	= \$ -
393003 Geosynthetic Pavement Interlayer	SQYD		x	= \$ -
39405X Shoulder Rumber Strip (HMA, Type XX Inden	STA		x	= \$ -
394071 Place Hot Mix Asphalt Dike	LF		x	= \$ -
394090 Place Hot Mix Asphalt (Misc. Area)	SQYD		x	= \$ -
397005 Tack Coat	TON		x	= \$ -
401000 Concrete Pavement	CY		x	= \$ -
401108 Replace Concrete Pavement (Rapid Strength	CY		x	= \$ -
404092 Seal Pavement Joint	LF		x	= \$ -
404094 Seal Longitudinal Isolation Joint	LF		x	= \$ -
413112A Repair Spalled Joints (Polyester Grout)	SQYD		x	= \$ -
413115 Seal Existing Concrete Pavement Joint	LF		x	= \$ -
420102 Groove Existing Concrete Pavement	SQYD		x	= \$ -
420201 Grind Existing Concrete Pavement	SQYD		x	= \$ -
731502 Minor Concrete (Misc. Const)	CY		x	= \$ -
731530 Minor Concrete (Textured Paving)	SQFT		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL STRUCTURAL SECTION ITEMS	\$ -
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SECTION 3: DRAINAGE

Item code	Unit	Quantity	Unit Price (\$)	Cost
150206 Abandon Culvert	LF	x	= \$	-
150805 Remove Culvert	LF	x	= \$	-
150820 Modify Inlet	EA	x	= \$	-
152430 Adjust Inlet	LF	x	= \$	-
155003 Cap Inlet	EA	x	= \$	-
193114 Sand Backfill	CY	x	= \$	-
510502 Minor Concrete (Minor Structure)	CY	x	= \$	-
510512 Minor Concrete (Box Culvert)	CY	x	= \$	-
62XXXX XXX" APC Pipe	LF	x	= \$	-
64XXXX XXX" Plastic Pipe	LF	x	= \$	-
65XXXX XXX" RCP Pipe	LF	x	= \$	-
66XXXX XXX" CSP Pipe	LF	x	= \$	-
68XXXX Edge Drain	LF	x	= \$	-
69XXXX XXX" Pipe Downdrain	LF	x	= \$	-
70XXXX XXX" Pipe Inlet	LF	x	= \$	-
70XXXX XXX" Pipe Riser	LF	x	= \$	-
70XXXX XXX" Flared End Section	EA	x	= \$	-
703233 Grated Line Drain	LF	x	= \$	-
72XXXX Rock Slope Protection (Type and Method)	CY	x	= \$	-
721420 Concrete (Ditch Lining)	CY	x	= \$	-
721430 Concrete (Channel Lining)	CY	x	= \$	-
729010 Rock Slope Protection Fabric	SQYD	x	= \$	-
750001 Miscellaneous Iron and Steel	LB	x	= \$	-
XXXXXX Additional Drainage	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL DRAINAGE ITEMS	\$	-
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SECTION 4: SPECIALTY ITEMS

Item code	Unit	Quantity	Unit Price (\$)	Cost
070012 Progress Schedule (Critical Path Method)	LS	x	= \$	-
150662 Remove Metal Beam Guard Railing	LF	x	= \$	-
150668 Remove Terminal Systems	EA	x	= \$	-
1532XX Remove Barrier (60)	LF	x	= \$	-
153250 Remove Sound Wall	SQFT	x	= \$	-
190110 Lead Compliance Plan	LS	x	= \$	-
490601 CIDH Concrete Piling (16")	LF	460	45.00	20,700
510060 Structural Concrete (Retaining Wall)	CY	x	= \$	-
510133 Class 2 Concrete (Retaining Wall)	CY	x	= \$	-
510524 Minor Concrete (Sound Wall)	CY	x	= \$	-
5110XX Architectural Treatment (Insert Type)	SQFT	x	= \$	-
511048 Apply Anti-Graffiti Coating	SQFT	x	= \$	-
5136XX Reinforced Concrete Crib Wall (Insert Type)	SQFT	x	= \$	-
518002 Sound Wall (Masonry Block)	SQFT	4,600	20.00	92,000
520103 Bar Reinf. Steel (Retaining Wall)	LB	x	= \$	-
80XXXX Fence (Insert Type)	LF	x	= \$	-
832001 Metal Beam Guard Railing	LF	x	= \$	-
839310 Double Thrie Beam Barrier	LF	x	= \$	-
839521 Cable Railing	LF	x	= \$	-
83954X Transition Railing (Insert Type)	EA	x	= \$	-
8395XX Terminal System (Type CAT)	EA	x	= \$	-
8395XX Alternative Flared Terminal System	EA	x	= \$	-
8395XX End Anchor Assembly (Insert Type)	EA	x	= \$	-
839561 Rail Tensioning Assembly	EA	x	= \$	-
839XXX Crash Cushion (Insert Type)	EA	x	= \$	-
839701 Concrete Barrier (60)	LF	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL SPECIALTY ITEMS	\$	112,700
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SECTION 5: ENVIRONMENTAL

5A - ENVIRONMENTAL MITIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
Biological Mitigation	LS	x	= \$	-
071325 TEMPORARY REINFORCED SILT FENCE	LF	x	= \$	-
071325 Temporary Fence (Type ESA)				
Subtotal Environmental				\$ -

5B - LANDSCAPE AND IRRIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
200001 Highway Planting	LS	1 x	9,200.00 = \$	9,200
20XXXX XXX" (Insert Type) Conduit (Use for	LF	x	= \$	-
20XXXX Extend XXX" (Insert Type) Conduit	LF	x	= \$	-
201700 Imported Topsoil	CY	x	= \$	-
2030XX Erosion Control (Type __)	SQYD	x	= \$	-
203021 Fiber Rolls	LF	x	= \$	-
203026 Move In/ Move Out (Erosion Control)	EA	x	= \$	-
204099 Plant Establishment Work	LS	x	= \$	-
204101 Extend Plant Establishment (X Years)	LS	x	= \$	-
208000 Irrigation System	LS	x	= \$	-
208304 Water Meter	EA	x	= \$	-
209801 Maintenance Vehicle Pullout	EA	x	= \$	-
XXXXXX Some Item				
Subtotal Landscape and Irrigation				\$ 9,200

5C - NPDES

Item code	Unit	Quantity	Unit Price (\$)	Cost
074016 Construction Site Management	LS	x	= \$	-
074017 Prepare WPCP	LS	x	= \$	-
074019 Prepare SWPPP	LS	x	= \$	-
074023 Temporary Erosion Control	SQYD	x	= \$	-
074027 Temporary Erosion Control Blanket	SQYD	x	= \$	-
074028 Temporary Fiber Roll	LF	x	= \$	-
074032 Temporary Concrete Washout Facility	EA	x	= \$	-
074033 Temporary Construction Entrance	EA	x	= \$	-
074035 Temporary Check Dam	LF	x	= \$	-
074037 Move In/ Move Out (Temporary Erosion Cont	EA	x	= \$	-
074038 Temp. Drainage Inlet Protection	EA	x	= \$	-
074041 Street Sweeping	LS	x	= \$	-
074042 Temporary Concrete Washout (Portable)	LS	x	= \$	-
XXXXXX Some Item				

Supplemental Work for NPDES

(These costs are not accounted in total here but under Supplemental Work on sheet 7 of 11).

066595 Water Pollution Control Maintenance Sharing	LS	x	= \$	-
066596 Additional Water Pollution Control**	LS	x	= \$	-
066597 Storm Water Sampling and Analysis***	LS	x	= \$	-
XXXXXX Some Item				

Subtotal NPDES (Without Supplemental Work) \$ -

*Applies to all SWPPPs and those WPCPs with sediment control or soil stabilization BMPs.

**Applies to both SWPPPs and WPCP projects.

*** Applies only to project with SWPPPs.

TOTAL ENVIRONMENTAL	\$ 9,200
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SECTION 6: TRAFFIC ITEMS

6A - Traffic Electrical

Item code	Unit	Quantity	Unit Price (\$)	Cost
150760 Remove Sign Structure	EA	x	= \$	-
151581 Reconstruct Sign Structure	EA	x	= \$	-
152641 Modify Sign Structure	EA	x	= \$	-
5602XX Furnish Sign Structure	LB	x	= \$	-
5602XX Install Sign Structure	LB	x	= \$	-
56XXXX XXX" CIDHC Pile (Sign Foundation)	LF	x	= \$	-
860090 Maintain Existing Traffic Management	LS	x	= \$	-
860810 Inductive Loop Detectors	EA	x	= \$	-
86055X Lighting & Sign Illumination	LS	x	= \$	-
8607XX Interconnection Facilities	LS	x	= \$	-
8609XX Traffic Monitoring Stations	LS	x	= \$	-
860XXX Signals & Lighting	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
86XXXX Fiber Optic Conduit System	LS	x	= \$	-
XXXXX Some Item				
<i>Subtotal Traffic Electrical</i>				<i>\$ -</i>

6B - Traffic Signing and Striping

Item code	Unit	Quantity	Unit Price (\$)	Cost
120090 Construction Area Signs	LS	1	x 2,000.00 = \$	2,000
150701 Remove Yellow Painted Traffic Stripe	LF	x	= \$	-
150710 Remove Traffic Stripe	LF	x	= \$	-
150713 Remove Pavement Marking	SQFT	x	= \$	-
150742 Remove Roadside Sign	EA	x	= \$	-
152320 Reset Roadside Sign	EA	x	= \$	-
152390 Relocate Roadside Sign	EA	x	= \$	-
566011 Roadside Sign (One Post)	EA	x	= \$	-
566012 Roadside Sign (Two Post)	EA	x	= \$	-
560XXX Furnish Sign Panels	SQFT	x	= \$	-
560XXX Install Sign Panels	SQFT	x	= \$	-
82010X Delineator (Class X)	EA	x	= \$	-
84XXXX Permanent Pavement Delineation	LS	x	= \$	-
<i>Subtotal Traffic Signing and Striping</i>				<i>\$ 2,000</i>

6C - Stage Construction and Traffic Handling

Item code	Unit	Quantity	Unit Price (\$)	Cost
120100 Traffic Control System	LS	x	= \$	-
120120 Type III Barricade	EA	3	x 100.00 = \$	300
120143 Temporary Pavement Delineation	LF	x	= \$	-
12016X Channelizer	EA	x	= \$	-
128650 Portable Changeable Message Signs	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
129100 Temp. Crash Cushion Module	EA	x	= \$	-
129099A Traffic Plastic Drum	EA	x	= \$	-
839603A Temporary Crash Cushion (ADIEM)	EA	x	= \$	-
XXXXXX Some Item				
<i>Subtotal Stage Construction and Traffic Handling</i>				<i>\$ 300</i>

TOTAL TRAFFIC ITEMS	\$ 2,300
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SECTION 7: DETOURS

Include constructing, maintaining, and removal

Item code	Unit	Quantity	Unit Price (\$)	Cost
0713XX Temporary Fence (Type X)	LF	x	= \$	-
07XXXX Temporary Drainage	LS	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
1286XX Temporary Signals	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
190101 Roadway Excavation	CY	x	= \$	-
198001 Imported Borrow	CY	x	= \$	-
198050 Embankment	CY	x	= \$	-
250401 Class 4 Aggregate Subbase	CY	x	= \$	-
260201 Class 2 Aggregate Base	CY	x	= \$	-
390132 Hot Mix Asphalt (Type A)	TON	x	= \$	-
XXXXXX Some Item	LS	x	= \$	-

TOTAL DETOURS	\$	-
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SUBTOTAL SECTIONS 1-7 \$ 129,200

SECTION 8: MINOR ITEMS

8A - Americans with Disabilities Act Items

ADA Items 0.0% \$ -

8B - Bike Path Items

Bike Path Items 0.0% \$ -

8C - Other Minor Items

Other Minor Items 0.0% \$ -

Total of Section 1-7 \$ 129,200 x 0.0% = \$ -

TOTAL MINOR ITEMS	\$	-
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SECTIONS 9: MOBILIZATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
999990 Total Section 1-8	\$	129,200	x 10%	= \$ -

TOTAL MOBILIZATION	\$	-
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SECTION 10: SUPPLEMENTAL WORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
066015 Federal Trainee Program	LS	x	= \$	-
066063 Traffic Management Plan - Public Informati	LS	x	= \$	-
066090 Maintain Traffic	LS	x	= \$	-
066094 Value Analysis	LS	x	= \$	-
066204 Remove Rock & Debris	LS	x	= \$	-
066222 Locate Existing Cross-Over	LS	x	= \$	-
066670 Payment Adjustments For Price Index Fluct	LS	x	= \$	-
066700 Partnering	LS	x	= \$	-
066866 Operation of Existing Traffic Management S	LS	x	= \$	-
066920 Dispute Review Board	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

Cost of NPDES Supplemental Work specified in Section 5C = \$ -

Total Section 1-8 \$ 129,200 5% = \$ 6,460

TOTAL SUPPLEMENTAL WORK	\$	6,500
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PRELIMINARY
PROJECT COST ESTIMATE

SECTION 11: STATE FURNISHED MATERIALS AND EXPENSES

Item code	Unit	Quantity	Unit Price (\$)	Cost
066063 Public Information	LS	x	=	\$0
066105 RE Office	LS	x	=	\$0
066803 Padlocks	LS	x	=	\$0
066838 Reflective Numbers and Edge Sealer	LS	x	=	\$0
066901 Water Expenses	LS	x	=	\$0
066062A COZEEP Expenses	LS	x	=	\$0
06684X Ramp Meter Controller Assembly	LS	x	=	\$0
06684X TMS Controller Assembly	LS	x	=	\$0
06684X Traffic Signal Controller Assembly	LS	x	=	\$0
XXXXXX Some Item				

Total Section 1-8 \$ 129,200 0% = \$ -

TOTAL STATE FURNISHED	\$0
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SECTION 12: TIME-RELATED OVERHEAD

Estiamted Time-Releated Overhead (TRO) Percentage (0% to 10%) = 5%

Item code	Unit	Quantity	Unit Price (\$)	Cost
070018 Time-Related Overhead	WD	0	X #DIV/0!	= \$0

TOTAL TIME-RELATED OVERHEAD	\$0
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SECTION 13: CONTINGENCY

(Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)

Total Section 1-11 \$ 135,700 x 10% = \$13,570

TOTAL CONTINGENCY	\$13,600
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II. STRUCTURE ITEMS

DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
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DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0.0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
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TOTAL COST OF BRIDGES	\$0.00
TOTAL COST OF BUILDINGS	\$0.00

TOTAL COST OF STRUCTURES¹	\$0.00
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Estimate Prepared By: _____
XXXXXXXXXXXXXXXXXXXX ----- Division of Structures

Date

¹Structure's Estimate includes Overhead and Mobilization.
Add more sheets if needed. Call them 9a, 9b, 9c, ..., etc

III. RIGHT OF WAY

Fill in all of the available information from the Right of Way data sheet.

A)	A1)	Acquisition, including Excess Land Purchases, Damages & Goodwill,	\$	0
	A2)	SB-1210	\$	0
B)		Acquisition of Offsite Mitigation	\$	0
C)	C1)	Utility Relocation (State Share)	\$	0
	C2)	Potholing (Design Phase)	\$	0
D)		Railroad Acquisition	\$	0
E)		Clearance / Demolition	\$	0
F)		Relocation Assistance (RAP and/or Last Resort Housing Costs)	\$	0
G)		Title and Escrow	\$	0
H)		Environmental Review	\$	0
I)		Condemnation Settlements <u>0%</u> (Items G & H applied to items A + B)	\$	0
J)		Design Appreciation Factor 0%	\$	0
K)		Utility Relocation (Construction Cost)	\$	0

L) **TOTAL RIGHT OF WAY ESTIMATE** **\$0**
(Excluding Item #8 - Hazardous Waste)

M) **TOTAL R/W ESTIMATE: Escalated** **\$0**

N) **Right of Way Support** **\$ 0**

Support Cost		
Estimate Prepared By	Project Coordinator ¹	Phone
Utility Estimate		
Prepared By	Utility Coordinator ²	Phone
R/W Acquisition		
Estimate Prepared By	Right of Way Estimator ³	Phone

¹ When estimate has Support Costs only ² When estimate has Utility Relocation

³ When R/W Acquisition is required

DO NOT PRINT THIS SHEET AS PART OF COST ESTIMATE ATTACHMENT TO PROJECT INITIATION OR APPROVAL DOCUMENTS.

IV. SUPPORT COST ESTIMATE SUMMARY

Please obtain a P3 report (CL#3) from PPM to fill in the support cost for these categories.

SB-45 CATEGORY SUPPORT COST	PREVIOUS	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FUTURE	P3 Total	Support Ratio
PR/ED (PD,PE,PM)											\$ -	0.00%
PS&E (PS)											\$ -	0.00%
R/W (RW)											\$ -	0.00%
CONSTRUCTION (CM)											\$ -	0.00%
Total Support Cost:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	0.00%

Note: It is assumed that the Support Costs are already escalated by Programming to the year of expenditure. Use project Programming Sheet data.

Total Capital Cost:	\$150,000
Total Capital Outlay Support Cost:	\$0
Overall Percent Support Cost:	0.00%

V. ESCALATED CONSTRUCTION COST ESTIMATE SUMMARY

Note: Right of way escalated cost are accounted for on sheet 10 of 11.

	Month	/	Year
Date of Estimate (Month/Year)	10	/	2015
Estimated Date of Construction Start (Month/Year)	0	/	0
Number of Working Days	0	WD	
Estimated Mid-Point of Construction (Month/Year)	0	/	0

YEAR	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE
FORECASTED ESCALATION											

ESCALATED CONSTRUCTION COSTS	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE	TOTAL ESCALATED COSTS
ROADWAY ITEMS	\$ 149,300	\$ 149,300	\$ 149,300	\$ 149,300	\$ 149,300	\$ 149,300	\$ 149,300	\$ 149,300	\$ 149,300	\$ 149,300	\$ 149,300	\$ 149,300
STRUCTURE ITEMS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SUBTOTAL	\$ 149,300	\$ 149,300	\$ 149,300	\$ 149,300	\$ 149,300	\$ 149,300	\$ 149,300	\$ 149,300	\$ 149,300	\$ 149,300	\$ 149,300	\$ 149,300

Approved by:

Project Control Engineer

Date

PRELIMINARY
PROJECT COST ESTIMATE
Sound Wall Cost Estimate

Project ID:

Type of Estimate : Sound Wall NB 1-2 (12' Wall)

Program Code :

Project Limits :

Description: SR41 SB On-ramp

Scope :

Alternative :

	Current Cost	Escalated Cost
ROADWAY ITEMS	\$ 170,500	\$ 170,500
STRUCTURE ITEMS	\$ -	\$ -
SUBTOTAL CONSTRUCTION COST	\$ 170,500	\$ 170,500
RIGHT OF WAY	\$ -	\$ -
TOTAL CAPITAL OUTLAY COST	\$ 171,000	\$ 171,000
PR/ED SUPPORT	\$ -	\$ -
PS&E SUPPORT	\$ -	\$ -
RIGHT OF WAY SUPPORT	\$ -	\$ -
CONSTRUCTION SUPPORT	\$ -	\$ -
TOTAL CAPITAL OUTLAY SUPPORT COST*	\$ -	\$ -
TOTAL PROJECT COST	\$ 175,000	\$ 175,000

If Project has been programmed enter Programmed Amount \$ -

Date of Estimate (Month/Year) Month / Year
10 / 2015

Estimated Date of Construction Start (Month/Year) /

Number of Working Days Working Days
Month / Year

Estimated Mid-Point of Construction (Month/Year)

Number of Plant Establishment Days Days

Estimated Project Schedule

PID Approval

PA/ED Approval

PS&E

RTL

Begin Construction

Approved by Project
Manager

10/30/2015

(559) 374-3111

Project Manager

Date

Phone

I. ROADWAY ITEMS SUMMARY

Section		Cost
1	Earthwork	\$ 5,000
2	Pavement Structural Section	\$ -
3	Drainage	\$ -
4	Specialty Items	\$ 131,100
5	Environmental	\$ 9,200
6	Traffic Items	\$ 2,300
7	Detours	\$ -
8	Minor Items	\$ -
9	Roadway Mobilization	\$ -
10	Supplemental Work	\$ 7,400
11	State Furnished	\$ -
12	Contingencies	\$ 15,500
13	Overhead	\$ -
TOTAL ROADWAY ITEMS		\$ 170,500

Estimate Prepared By	Melissa Blau - Design Engineer	10/29/2015	(559) 374-3107
	Name and Title	Date	Phone

Estimate Reviewed By	Edgar Noriega - Project Manager	10/30/2015	(559) 374-3111
	Name and Title	Date	Phone

By signing this estimate you are attesting that you have discussed your project with all functional units and have incorporated all their comments or have discussed with them why they will not be incorporated.

PRELIMINARY
PROJECT COST ESTIMATE

SECTION 1: EARTHWORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
160101 Clearing & Grubbing	LS	1	x 5,000.00	= \$ 5,000
170101 Develop Water Supply	LS		x	= \$ -
190101 Roadway Excavation	CY		x	= \$ -
190103 Roadway Excavation (Type Y) ADL	CY		x	= \$ -
190105 Roadway Excavation (Type Z-2) ADL	CY		x	= \$ -
192037 Structure Excavation (Retaining Wall)	CY		x	= \$ -
193013 Structure Backfill (Retaining Wall)	CY		x	= \$ -
193031 Pervious Backfill Material (Retaining Wall)	CY		x	= \$ -
194001 Ditch Excavation	CY		x	= \$ -
198001 Impored Borrow	CY		x	= \$ -
198007 Imported Material (Shoulder Backing)	TON		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL EARTHWORK SECTION ITEMS	\$ 5,000
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SECTION 2: PAVEMENT STRUCTURAL SECTION

Item code	Unit	Quantity	Unit Price (\$)	Cost
150771 Remove Asphalt Concrete Dike	LF		x	= \$ -
150860 Remove Base and Surfacing	CY		x	= \$ -
153103 Cold Plane Asphalt Concrete Pavement	SQYD		x	= \$ -
1532XX Remove Concrete (type)	CY		x	= \$ -
250401 Class 4 Aggregate Subbase	CY		x	= \$ -
260201 Class 2 Aggregate Base	CY		x	= \$ -
290201 Asphalt Treated Permeable Base	CY		x	= \$ -
365001 Sand Cover	TON		x	= \$ -
374002 Asphaltic Emulsion (Fog Seal Coat)	TON		x	= \$ -
374492 Asphaltic Emulsion (Polymer Modified)	TON		x	= \$ -
3750XX Screenings (Type XX)	TON		x	= \$ -
377501 Slurry Seal	TON		x	= \$ -
390095 Replace Asphalt Concrete Surfacing	CY		x	= \$ -
390132 Hot Mix Asphalt (Type A)	TON		x	= \$ -
390136 Minor Hot Mix Asphalt	TON		x	= \$ -
390137 Rubberized Hot Mix Asphalt (Gap Graded)	TON		x	= \$ -
393003 Geosynthetic Pavement Interlayer	SQYD		x	= \$ -
39405X Shoulder Rumber Strip (HMA, Type XX Inden	STA		x	= \$ -
394071 Place Hot Mix Asphalt Dike	LF		x	= \$ -
394090 Place Hot Mix Asphalt (Misc. Area)	SQYD		x	= \$ -
397005 Tack Coat	TON		x	= \$ -
401000 Concrete Pavement	CY		x	= \$ -
401108 Replace Concrete Pavement (Rapid Strength	CY		x	= \$ -
404092 Seal Pavement Joint	LF		x	= \$ -
404094 Seal Longitudinal Isolation Joint	LF		x	= \$ -
413112A Repair Spalled Joints (Polyester Grout)	SQYD		x	= \$ -
413115 Seal Existing Concrete Pavement Joint	LF		x	= \$ -
420102 Groove Existing Concrete Pavement	SQYD		x	= \$ -
420201 Grind Existing Concrete Pavement	SQYD		x	= \$ -
731502 Minor Concrete (Misc. Const)	CY		x	= \$ -
731530 Minor Concrete (Textured Paving)	SQFT		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL STRUCTURAL SECTION ITEMS	\$ -
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SECTION 3: DRAINAGE

Item code	Unit	Quantity	Unit Price (\$)	Cost
150206 Abandon Culvert	LF	x	= \$	-
150805 Remove Culvert	LF	x	= \$	-
150820 Modify Inlet	EA	x	= \$	-
152430 Adjust Inlet	LF	x	= \$	-
155003 Cap Inlet	EA	x	= \$	-
193114 Sand Backfill	CY	x	= \$	-
510502 Minor Concrete (Minor Structure)	CY	x	= \$	-
510512 Minor Concrete (Box Culvert)	CY	x	= \$	-
62XXXX XXX" APC Pipe	LF	x	= \$	-
64XXXX XXX" Plastic Pipe	LF	x	= \$	-
65XXXX XXX" RCP Pipe	LF	x	= \$	-
66XXXX XXX" CSP Pipe	LF	x	= \$	-
68XXXX Edge Drain	LF	x	= \$	-
69XXXX XXX" Pipe Downdrain	LF	x	= \$	-
70XXXX XXX" Pipe Inlet	LF	x	= \$	-
70XXXX XXX" Pipe Riser	LF	x	= \$	-
70XXXX XXX" Flared End Section	EA	x	= \$	-
703233 Grated Line Drain	LF	x	= \$	-
72XXXX Rock Slope Protection (Type and Method)	CY	x	= \$	-
721420 Concrete (Ditch Lining)	CY	x	= \$	-
721430 Concrete (Channel Lining)	CY	x	= \$	-
729010 Rock Slope Protection Fabric	SQYD	x	= \$	-
750001 Miscellaneous Iron and Steel	LB	x	= \$	-
XXXXXX Additional Drainage	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL DRAINAGE ITEMS	\$	-
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SECTION 4: SPECIALTY ITEMS

Item code	Unit	Quantity	Unit Price (\$)	Cost
070012 Progress Schedule (Critical Path Method)	LS	x	= \$	-
150662 Remove Metal Beam Guard Railing	LF	x	= \$	-
150668 Remove Terminal Systems	EA	x	= \$	-
1532XX Remove Barrier (60C)	LF	x	= \$	-
153250 Remove Sound Wall	SQFT	x	= \$	-
190110 Lead Compliance Plan	LS	x	= \$	-
490601 CIDH Concrete Piling (16")	LF	460	45.00	20,700
510060 Structural Concrete (Retaining Wall)	CY	x	= \$	-
510133 Class 2 Concrete (Retaining Wall)	CY	x	= \$	-
510524 Minor Concrete (Sound Wall)	CY	x	= \$	-
5110XX Architectural Treatment (Insert Type)	SQFT	x	= \$	-
511048 Apply Anti-Graffiti Coating	SQFT	x	= \$	-
5136XX Reinforced Concrete Crib Wall (Insert Type)	SQFT	x	= \$	-
518002 Sound Wall (Masonry Block)	SQFT	5,520	20.00	110,400
520103 Bar Reinf. Steel (Retaining Wall)	LB	x	= \$	-
80XXXX Fence (Insert Type)	LF	x	= \$	-
832001 Metal Beam Guard Railing	LF	x	= \$	-
839310 Double Thrie Beam Barrier	LF	x	= \$	-
839521 Cable Railing	LF	x	= \$	-
83954X Transition Railing (Insert Type)	EA	x	= \$	-
8395XX Terminal System (Type CAT)	EA	x	= \$	-
8395XX Alternative Flared Terminal System	EA	x	= \$	-
8395XX End Anchor Assembly (Insert Type)	EA	x	= \$	-
839561 Rail Tensioning Assembly	EA	x	= \$	-
839XXX Crash Cushion (Insert Type)	EA	x	= \$	-
83XXXX Concrete Barrier (60C)	LF	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL SPECIALTY ITEMS	\$	131,100
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SECTION 5: ENVIRONMENTAL

5A - ENVIRONMENTAL MITIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
Biological Mitigation	LS	x	= \$	-
071325 TEMPORARY REINFORCED SILT FENCE	LF	x	= \$	-
071325 Temporary Fence (Type ESA)				
Subtotal Environmental				\$ -

5B - LANDSCAPE AND IRRIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
200001 Highway Planting	LS	1 x	9,200.00 = \$	9,200
20XXXX XXX" (Insert Type) Conduit (Use for	LF	x	= \$	-
20XXXX Extend XXX" (Insert Type) Conduit	LF	x	= \$	-
201700 Imported Topsoil	CY	x	= \$	-
2030XX Erosion Control (Type __)	SQYD	x	= \$	-
203021 Fiber Rolls	LF	x	= \$	-
203026 Move In/ Move Out (Erosion Control)	EA	x	= \$	-
204099 Plant Establishment Work	LS	x	= \$	-
204101 Extend Plant Establishment (X Years)	LS	x	= \$	-
208000 Irrigation System	LS	x	= \$	-
208304 Water Meter	EA	x	= \$	-
209801 Maintenance Vehicle Pullout	EA	x	= \$	-
XXXXXX Some Item				
Subtotal Landscape and Irrigation				\$ 9,200

5C - NPDES

Item code	Unit	Quantity	Unit Price (\$)	Cost
074016 Construction Site Management	LS	x	= \$	-
074017 Prepare WPCP	LS	x	= \$	-
074019 Prepare SWPPP	LS	x	= \$	-
074023 Temporary Erosion Control	SQYD	x	= \$	-
074027 Temporary Erosion Control Blanket	SQYD	x	= \$	-
074028 Temporary Fiber Roll	LF	x	= \$	-
074032 Temporary Concrete Washout Facility	EA	x	= \$	-
074033 Temporary Construction Entrance	EA	x	= \$	-
074035 Temporary Check Dam	LF	x	= \$	-
074037 Move In/ Move Out (Temporary Erosion Cont	EA	x	= \$	-
074038 Temp. Drainage Inlet Protection	EA	x	= \$	-
074041 Street Sweeping	LS	x	= \$	-
074042 Temporary Concrete Washout (Portable)	LS	x	= \$	-
XXXXXX Some Item				

Supplemental Work for NPDES

(These costs are not accounted in total here but under Supplemental Work on sheet 7 of 11).

066595 Water Pollution Control Maintenance Sharing	LS	x	= \$	-
066596 Additional Water Pollution Control**	LS	x	= \$	-
066597 Storm Water Sampling and Analysis***	LS	x	= \$	-
XXXXXX Some Item				

Subtotal NPDES (Without Supplemental Work) \$ -

*Applies to all SWPPPs and those WPCPs with sediment control or soil stabilization BMPs.

**Applies to both SWPPPs and WPCP projects.

*** Applies only to project with SWPPPs.

TOTAL ENVIRONMENTAL	\$ 9,200
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SECTION 6: TRAFFIC ITEMS

6A - Traffic Electrical

Item code	Unit	Quantity	Unit Price (\$)	Cost
150760 Remove Sign Structure	EA	x	= \$	-
151581 Reconstruct Sign Structure	EA	x	= \$	-
152641 Modify Sign Structure	EA	x	= \$	-
5602XX Furnish Sign Structure	LB	x	= \$	-
5602XX Install Sign Structure	LB	x	= \$	-
56XXXX XXX" CIDHC Pile (Sign Foundation)	LF	x	= \$	-
860090 Maintain Existing Traffic Management	LS	x	= \$	-
860810 Inductive Loop Detectors	EA	x	= \$	-
86055X Lighting & Sign Illumination	LS	x	= \$	-
8607XX Interconnection Facilities	LS	x	= \$	-
8609XX Traffic Monitoring Stations	LS	x	= \$	-
860XXX Signals & Lighting	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
86XXXX Fiber Optic Conduit System	LS	x	= \$	-
XXXXX Some Item				
<i>Subtotal Traffic Electrical</i>				<i>\$ -</i>

6B - Traffic Signing and Striping

Item code	Unit	Quantity	Unit Price (\$)	Cost
120090 Construction Area Signs	LS	1	x 2,000.00 = \$	2,000
150701 Remove Yellow Painted Traffic Stripe	LF	x	= \$	-
150710 Remove Traffic Stripe	LF	x	= \$	-
150713 Remove Pavement Marking	SQFT	x	= \$	-
150742 Remove Roadside Sign	EA	x	= \$	-
152320 Reset Roadside Sign	EA	x	= \$	-
152390 Relocate Roadside Sign	EA	x	= \$	-
566011 Roadside Sign (One Post)	EA	x	= \$	-
566012 Roadside Sign (Two Post)	EA	x	= \$	-
560XXX Furnish Sign Panels	SQFT	x	= \$	-
560XXX Install Sign Panels	SQFT	x	= \$	-
82010X Delineator (Class X)	EA	x	= \$	-
84XXXX Permanent Pavement Delineation	LS	x	= \$	-
<i>Subtotal Traffic Signing and Striping</i>				<i>\$ 2,000</i>

6C - Stage Construction and Traffic Handling

Item code	Unit	Quantity	Unit Price (\$)	Cost
120100 Traffic Control System	LS	x	= \$	-
120120 Type III Barricade	EA	3	x 100.00 = \$	300
120143 Temporary Pavement Delineation	LF	x	= \$	-
12016X Channelizer	EA	x	= \$	-
128650 Portable Changeable Message Signs	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
129100 Temp. Crash Cushion Module	EA	x	= \$	-
129099A Traffic Plastic Drum	EA	x	= \$	-
839603A Temporary Crash Cushion (ADIEM)	EA	x	= \$	-
XXXXXX Some Item				
<i>Subtotal Stage Construction and Traffic Handling</i>				<i>\$ 300</i>

TOTAL TRAFFIC ITEMS	\$ 2,300
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SECTION 7: DETOURS

Include constructing, maintaining, and removal

Item code	Unit	Quantity	Unit Price (\$)	Cost
0713XX Temporary Fence (Type X)	LF	x	= \$	-
07XXXX Temporary Drainage	LS	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
1286XX Temporary Signals	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
190101 Roadway Excavation	CY	x	= \$	-
198001 Imported Borrow	CY	x	= \$	-
198050 Embankment	CY	x	= \$	-
250401 Class 4 Aggregate Subbase	CY	x	= \$	-
260201 Class 2 Aggregate Base	CY	x	= \$	-
390132 Hot Mix Asphalt (Type A)	TON	x	= \$	-
XXXXXX Some Item	LS	x	= \$	-

TOTAL DETOURS	\$ -
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SUBTOTAL SECTIONS 1-7 \$ 147,600

SECTION 8: MINOR ITEMS

8A - Americans with Disabilities Act Items

ADA Items 0.0% \$ -

8B - Bike Path Items

Bike Path Items 0.0% \$ -

8C - Other Minor Items

Other Minor Items 0.0% \$ -

Total of Section 1-7 \$ 147,600 x 0.0% = \$ -

TOTAL MINOR ITEMS	\$ -
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SECTIONS 9: MOBILIZATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
999990 Total Section 1-8	\$	147,600	x 10%	= \$ -

TOTAL MOBILIZATION	\$ -
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SECTION 10: SUPPLEMENTAL WORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
066015 Federal Trainee Program	LS	x	= \$	-
066063 Traffic Management Plan - Public Informati	LS	x	= \$	-
066090 Maintain Traffic	LS	x	= \$	-
066094 Value Analysis	LS	x	= \$	-
066204 Remove Rock & Debris	LS	x	= \$	-
066222 Locate Existing Cross-Over	LS	x	= \$	-
066670 Payment Adjustments For Price Index Fluct	LS	x	= \$	-
066700 Partnering	LS	x	= \$	-
066866 Operation of Existing Traffic Management S	LS	x	= \$	-
066920 Dispute Review Board	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

Cost of NPDES Supplemental Work specified in Section 5C = \$ -

Total Section 1-8 \$ 147,600 5% = \$ 7,380

TOTAL SUPPLEMENTAL WORK	\$ 7,400
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PRELIMINARY
PROJECT COST ESTIMATE

SECTION 11: STATE FURNISHED MATERIALS AND EXPENSES

Item code	Unit	Quantity	Unit Price (\$)	Cost
066063 Public Information	LS	x	=	\$0
066105 RE Office	LS	x	=	\$0
066803 Padlocks	LS	x	=	\$0
066838 Reflective Numbers and Edge Sealer	LS	x	=	\$0
066901 Water Expenses	LS	x	=	\$0
066062A COZEEP Expenses	LS	x	=	\$0
06684X Ramp Meter Controller Assembly	LS	x	=	\$0
06684X TMS Controller Assembly	LS	x	=	\$0
06684X Traffic Signal Controller Assembly	LS	x	=	\$0
XXXXXX Some Item				

Total Section 1-8 \$ 147,600 0% = \$ -

TOTAL STATE FURNISHED	\$0
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SECTION 12: TIME-RELATED OVERHEAD

Estiamted Time-Releated Overhead (TRO) Percentage (0% to 10%) = 5%

Item code	Unit	Quantity	Unit Price (\$)	Cost
070018 Time-Related Overhead	WD	0	X #DIV/0! =	\$0

TOTAL TIME-RELATED OVERHEAD	\$0
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SECTION 13: CONTINGENCY

(Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)

Total Section 1-11 \$ 155,000 x 10% = \$15,500

TOTAL CONTINGENCY	\$15,500
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II. STRUCTURE ITEMS

DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
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DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0.0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
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TOTAL COST OF BRIDGES	\$0.00
TOTAL COST OF BUILDINGS	\$0.00

TOTAL COST OF STRUCTURES¹	\$0.00
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Estimate Prepared By: _____
XXXXXXXXXXXXXXXXXXXX ----- Division of Structures

_____ Date

¹Structure's Estimate includes Overhead and Mobilization.
Add more sheets if needed. Call them 9a, 9b, 9c, ..., etc

III. RIGHT OF WAY

Fill in all of the available information from the Right of Way data sheet.

A)	A1)	Acquisition, including Excess Land Purchases, Damages & Goodwill,	\$	0
	A2)	SB-1210	\$	0
B)		Acquisition of Offsite Mitigation	\$	0
C)	C1)	Utility Relocation (State Share)	\$	0
	C2)	Potholing (Design Phase)	\$	0
D)		Railroad Acquisition	\$	0
E)		Clearance / Demolition	\$	0
F)		Relocation Assistance (RAP and/or Last Resort Housing Costs)	\$	0
G)		Title and Escrow	\$	0
H)		Environmental Review	\$	0
I)		Condemnation Settlements	0%	0
		(Items G & H applied to items A + B)		
J)		Design Appreciation Factor	0%	0
K)		Utility Relocation (Construction Cost)	\$	0

L)

TOTAL RIGHT OF WAY ESTIMATE	\$0
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(Excluding Item #8 - Hazardous Waste)

M)

TOTAL R/W ESTIMATE: Escalated	\$0
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N)

Right of Way Support	\$	0
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Support Cost		
Estimate Prepared By	Project Coordinator ¹	Phone
Utility Estimate		
Prepared By	Utility Coordinator ²	Phone
R/W Acquisition		
Estimate Prepared By	Right of Way Estimator ³	Phone

¹ When estimate has Support Costs only ² When estimate has Utility Relocation

³ When R/W Acquisition is required

DO NOT PRINT THIS SHEET AS PART OF COST ESTIMATE ATTACHMENT TO PROJECT INITIATION OR APPROVAL DOCUMENTS.

IV. SUPPORT COST ESTIMATE SUMMARY

Please obtain a P3 report (CL#3) from PPM to fill in the support cost for these categories.

SB-45 CATEGORY SUPPORT COST	PREVIOUS	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FUTURE	P3 Total	Support Ratio
PR/ED (PD,PE,PM)											\$ -	0.00%
PS&E (PS)											\$ -	0.00%
R/W (RW)											\$ -	0.00%
CONSTRUCTION (CM)											\$ -	0.00%
Total Support Cost:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	0.00%

Note: It is assumed that the Support Costs are already escalated by Programming to the year of expenditure. Use project Programming Sheet data.

Total Capital Cost:	\$171,000
Total Capital Outlay Support Cost:	\$0
Overall Percent Support Cost:	0.00%

V. ESCALATED CONSTRUCTION COST ESTIMATE SUMMARY

Note: Right of way escalated cost are accounted for on sheet 10 of 11.

	Month	/	Year
Date of Estimate (Month/Year)	10	/	2015
Estimated Date of Construction Start (Month/Year)	0	/	0
Number of Working Days	0	WD	
Estimated Mid-Point of Construction (Month/Year)	0	/	0

YEAR	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE
FORECASTED ESCALATION											

ESCALATED CONSTRUCTION COSTS	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE	TOTAL ESCALATED COSTS
ROADWAY ITEMS	\$ 170,500	\$ 170,500	\$ 170,500	\$ 170,500	\$ 170,500	\$ 170,500	\$ 170,500	\$ 170,500	\$ 170,500	\$ 170,500	\$ 170,500	\$ 170,500
STRUCTURE ITEMS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SUBTOTAL	\$ 170,500	\$ 170,500	\$ 170,500	\$ 170,500	\$ 170,500	\$ 170,500	\$ 170,500	\$ 170,500	\$ 170,500	\$ 170,500	\$ 170,500	\$ 170,500

Approved by:

Project Control Engineer

Date

PRELIMINARY
PROJECT COST ESTIMATE
Sound Wall Cost Estimate

Project ID:

Type of Estimate : Sound Wall NB 1-2 (14' Wall)

Program Code :

Project Limits :

Description: SR41 SB On-ramp

Scope :

Alternative :

	Current Cost	Escalated Cost
ROADWAY ITEMS	\$ 191,800	\$ 191,800
STRUCTURE ITEMS	\$ -	\$ -
SUBTOTAL CONSTRUCTION COST	\$ 191,800	\$ 191,800
RIGHT OF WAY	\$ -	\$ -
TOTAL CAPITAL OUTLAY COST	\$ 192,000	\$ 192,000
PR/ED SUPPORT	\$ -	\$ -
PS&E SUPPORT	\$ -	\$ -
RIGHT OF WAY SUPPORT	\$ -	\$ -
CONSTRUCTION SUPPORT	\$ -	\$ -
TOTAL CAPITAL OUTLAY SUPPORT COST*	\$ -	\$ -
TOTAL PROJECT COST	\$ 195,000	\$ 195,000

If Project has been programmed enter Programmed Amount \$ -

Month / Year
10 / 2015

Date of Estimate (Month/Year)

/

Estimated Date of Construction Start (Month/Year)

Working Days

Number of Working Days

Month / Year

Estimated Mid-Point of Construction (Month/Year)

Days

Number of Plant Establishment Days

Estimated Project Schedule

PID Approval

PA/ED Approval

PS&E

RTL

Begin Construction

Approved by Project
Manager

10/30/2015

(559) 374-3111

Project Manager

Date

Phone

I. ROADWAY ITEMS SUMMARY

Section		Cost
1	Earthwork	\$ 5,000
2	Pavement Structural Section	\$ -
3	Drainage	\$ -
4	Specialty Items	\$ 149,500
5	Environmental	\$ 9,200
6	Traffic Items	\$ 2,300
7	Detours	\$ -
8	Minor Items	\$ -
9	Roadway Mobilization	\$ -
10	Supplemental Work	\$ 8,300
11	State Furnished	\$ -
12	Contingencies	\$ 17,500
13	Overhead	\$ -
TOTAL ROADWAY ITEMS		\$ 191,800

Estimate Prepared By	Melissa Blau - Design Engineer	10/29/2015	(559) 374-3107
	Name and Title	Date	Phone

Estimate Reviewed By	Edgar Noriega - Project Manager	10/30/2015	(559) 374-3111
	Name and Title	Date	Phone

By signing this estimate you are attesting that you have discussed your project with all functional units and have incorporated all their comments or have discussed with them why they will not be incorporated.

PRELIMINARY
PROJECT COST ESTIMATE

SECTION 1: EARTHWORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
160101 Clearing & Grubbing	LS	1	x 5,000.00	= \$ 5,000
170101 Develop Water Supply	LS		x	= \$ -
190101 Roadway Excavation	CY		x	= \$ -
190103 Roadway Excavation (Type Y) ADL	CY		x	= \$ -
190105 Roadway Excavation (Type Z-2) ADL	CY		x	= \$ -
192037 Structure Excavation (Retaining Wall)	CY		x	= \$ -
193013 Structure Backfill (Retaining Wall)	CY		x	= \$ -
193031 Pervious Backfill Material (Retaining Wall)	CY		x	= \$ -
194001 Ditch Excavation	CY		x	= \$ -
198001 Impored Borrow	CY		x	= \$ -
198007 Imported Material (Shoulder Backing)	TON		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL EARTHWORK SECTION ITEMS	\$ 5,000
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SECTION 2: PAVEMENT STRUCTURAL SECTION

Item code	Unit	Quantity	Unit Price (\$)	Cost
150771 Remove Asphalt Concrete Dike	LF		x	= \$ -
150860 Remove Base and Surfacing	CY		x	= \$ -
153103 Cold Plane Asphalt Concrete Pavement	SQYD		x	= \$ -
1532XX Remove Concrete (type)	CY		x	= \$ -
250401 Class 4 Aggregate Subbase	CY		x	= \$ -
260201 Class 2 Aggregate Base	CY		x	= \$ -
290201 Asphalt Treated Permeable Base	CY		x	= \$ -
365001 Sand Cover	TON		x	= \$ -
374002 Asphaltic Emulsion (Fog Seal Coat)	TON		x	= \$ -
374492 Asphaltic Emulsion (Polymer Modified)	TON		x	= \$ -
3750XX Screenings (Type XX)	TON		x	= \$ -
377501 Slurry Seal	TON		x	= \$ -
390095 Replace Asphalt Concrete Surfacing	CY		x	= \$ -
390132 Hot Mix Asphalt (Type A)	TON		x	= \$ -
390136 Minor Hot Mix Asphalt	TON		x	= \$ -
390137 Rubberized Hot Mix Asphalt (Gap Graded)	TON		x	= \$ -
393003 Geosynthetic Pavement Interlayer	SQYD		x	= \$ -
39405X Shoulder Rumber Strip (HMA, Type XX Inden	STA		x	= \$ -
394071 Place Hot Mix Asphalt Dike	LF		x	= \$ -
394090 Place Hot Mix Asphalt (Misc. Area)	SQYD		x	= \$ -
397005 Tack Coat	TON		x	= \$ -
401000 Concrete Pavement	CY		x	= \$ -
401108 Replace Concrete Pavement (Rapid Strength	CY		x	= \$ -
404092 Seal Pavement Joint	LF		x	= \$ -
404094 Seal Longitudinal Isolation Joint	LF		x	= \$ -
413112A Repair Spalled Joints (Polyester Grout)	SQYD		x	= \$ -
413115 Seal Existing Concrete Pavement Joint	LF		x	= \$ -
420102 Groove Existing Concrete Pavement	SQYD		x	= \$ -
420201 Grind Existing Concrete Pavement	SQYD		x	= \$ -
731502 Minor Concrete (Misc. Const)	CY		x	= \$ -
731530 Minor Concrete (Textured Paving)	SQFT		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL STRUCTURAL SECTION ITEMS	\$ -
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SECTION 3: DRAINAGE

Item code	Unit	Quantity	Unit Price (\$)	Cost
150206 Abandon Culvert	LF	x	= \$	-
150805 Remove Culvert	LF	x	= \$	-
150820 Modify Inlet	EA	x	= \$	-
152430 Adjust Inlet	LF	x	= \$	-
155003 Cap Inlet	EA	x	= \$	-
193114 Sand Backfill	CY	x	= \$	-
510502 Minor Concrete (Minor Structure)	CY	x	= \$	-
510512 Minor Concrete (Box Culvert)	CY	x	= \$	-
62XXXX XXX" APC Pipe	LF	x	= \$	-
64XXXX XXX" Plastic Pipe	LF	x	= \$	-
65XXXX XXX" RCP Pipe	LF	x	= \$	-
66XXXX XXX" CSP Pipe	LF	x	= \$	-
68XXXX Edge Drain	LF	x	= \$	-
69XXXX XXX" Pipe Downdrain	LF	x	= \$	-
70XXXX XXX" Pipe Inlet	LF	x	= \$	-
70XXXX XXX" Pipe Riser	LF	x	= \$	-
70XXXX XXX" Flared End Section	EA	x	= \$	-
703233 Grated Line Drain	LF	x	= \$	-
72XXXX Rock Slope Protection (Type and Method)	CY	x	= \$	-
721420 Concrete (Ditch Lining)	CY	x	= \$	-
721430 Concrete (Channel Lining)	CY	x	= \$	-
729010 Rock Slope Protection Fabric	SQYD	x	= \$	-
750001 Miscellaneous Iron and Steel	LB	x	= \$	-
XXXXXX Additional Drainage	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL DRAINAGE ITEMS	\$	-
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SECTION 4: SPECIALTY ITEMS

Item code	Unit	Quantity	Unit Price (\$)	Cost
070012 Progress Schedule (Critical Path Method)	LS	x	= \$	-
150662 Remove Metal Beam Guard Railing	LF	x	= \$	-
150668 Remove Terminal Systems	EA	x	= \$	-
1532XX Remove Barrier (60C)	LF	x	= \$	-
153250 Remove Sound Wall	SQFT	x	= \$	-
190110 Lead Compliance Plan	LS	x	= \$	-
490601 CIDH Concrete Piling (16")	LF	460	45.00	20,700
510060 Structural Concrete (Retaining Wall)	CY	x	= \$	-
510133 Class 2 Concrete (Retaining Wall)	CY	x	= \$	-
510524 Minor Concrete (Sound Wall)	CY	x	= \$	-
5110XX Architectural Treatment (Insert Type)	SQFT	x	= \$	-
511048 Apply Anti-Graffiti Coating	SQFT	x	= \$	-
5136XX Reinforced Concrete Crib Wall (Insert Type)	SQFT	x	= \$	-
518002 Sound Wall (Masonry Block)	SQFT	6,440	20.00	128,800
520103 Bar Reinf. Steel (Retaining Wall)	LB	x	= \$	-
80XXXX Fence (Insert Type)	LF	x	= \$	-
832001 Metal Beam Guard Railing	LF	x	= \$	-
839310 Double Thrie Beam Barrier	LF	x	= \$	-
839521 Cable Railing	LF	x	= \$	-
83954X Transition Railing (Insert Type)	EA	x	= \$	-
8395XX Terminal System (Type CAT)	EA	x	= \$	-
8395XX Alternative Flared Terminal System	EA	x	= \$	-
8395XX End Anchor Assembly (Insert Type)	EA	x	= \$	-
839561 Rail Tensioning Assembly	EA	x	= \$	-
839XXX Crash Cushion (Insert Type)	EA	x	= \$	-
839701 Concrete Barrier (60)	LF	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL SPECIALTY ITEMS	\$	149,500
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SECTION 5: ENVIRONMENTAL

5A - ENVIRONMENTAL MITIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
Biological Mitigation	LS	x	= \$	-
071325 TEMPORARY REINFORCED SILT FENCE	LF	x	= \$	-
071325 Temporary Fence (Type ESA)				
Subtotal Environmental				\$ -

5B - LANDSCAPE AND IRRIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
200001 Highway Planting	LS	1 x	9,200.00 = \$	9,200
20XXXX XXX" (Insert Type) Conduit (Use for	LF	x	= \$	-
20XXXX Extend XXX" (Insert Type) Conduit	LF	x	= \$	-
201700 Imported Topsoil	CY	x	= \$	-
2030XX Erosion Control (Type __)	SQYD	x	= \$	-
203021 Fiber Rolls	LF	x	= \$	-
203026 Move In/ Move Out (Erosion Control)	EA	x	= \$	-
204099 Plant Establishment Work	LS	x	= \$	-
204101 Extend Plant Establishment (X Years)	LS	x	= \$	-
208000 Irrigation System	LS	x	= \$	-
208304 Water Meter	EA	x	= \$	-
209801 Maintenance Vehicle Pullout	EA	x	= \$	-
XXXXXX Some Item				
Subtotal Landscape and Irrigation				\$ 9,200

5C - NPDES

Item code	Unit	Quantity	Unit Price (\$)	Cost
074016 Construction Site Management	LS	x	= \$	-
074017 Prepare WPCP	LS	x	= \$	-
074019 Prepare SWPPP	LS	x	= \$	-
074023 Temporary Erosion Control	SQYD	x	= \$	-
074027 Temporary Erosion Control Blanket	SQYD	x	= \$	-
074028 Temporary Fiber Roll	LF	x	= \$	-
074032 Temporary Concrete Washout Facility	EA	x	= \$	-
074033 Temporary Construction Entrance	EA	x	= \$	-
074035 Temporary Check Dam	LF	x	= \$	-
074037 Move In/ Move Out (Temporary Erosion Cont	EA	x	= \$	-
074038 Temp. Drainage Inlet Protection	EA	x	= \$	-
074041 Street Sweeping	LS	x	= \$	-
074042 Temporary Concrete Washout (Portable)	LS	x	= \$	-
XXXXXX Some Item				

Supplemental Work for NPDES

(These costs are not accounted in total here but under Supplemental Work on sheet 7 of 11).

066595 Water Pollution Control Maintenance Sharing	LS	x	= \$	-
066596 Additional Water Pollution Control**	LS	x	= \$	-
066597 Storm Water Sampling and Analysis***	LS	x	= \$	-
XXXXXX Some Item				

Subtotal NPDES (Without Supplemental Work) \$ -

*Applies to all SWPPPs and those WPCPs with sediment control or soil stabilization BMPs.

**Applies to both SWPPPs and WPCP projects.

*** Applies only to project with SWPPPs.

TOTAL ENVIRONMENTAL	\$ 9,200
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SECTION 6: TRAFFIC ITEMS

6A - Traffic Electrical

Item code	Unit	Quantity	Unit Price (\$)	Cost
150760 Remove Sign Structure	EA	x	= \$	-
151581 Reconstruct Sign Structure	EA	x	= \$	-
152641 Modify Sign Structure	EA	x	= \$	-
5602XX Furnish Sign Structure	LB	x	= \$	-
5602XX Install Sign Structure	LB	x	= \$	-
56XXXX XXX" CIDHC Pile (Sign Foundation)	LF	x	= \$	-
860090 Maintain Existing Traffic Management	LS	x	= \$	-
860810 Inductive Loop Detectors	EA	x	= \$	-
86055X Lighting & Sign Illumination	LS	x	= \$	-
8607XX Interconnection Facilities	LS	x	= \$	-
8609XX Traffic Monitoring Stations	LS	x	= \$	-
860XXX Signals & Lighting	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
86XXXX Fiber Optic Conduit System	LS	x	= \$	-
XXXXX Some Item				
<i>Subtotal Traffic Electrical</i>				<i>\$ -</i>

6B - Traffic Signing and Striping

Item code	Unit	Quantity	Unit Price (\$)	Cost
120090 Construction Area Signs	LS	1	x 2,000.00 = \$	2,000
150701 Remove Yellow Painted Traffic Stripe	LF	x	= \$	-
150710 Remove Traffic Stripe	LF	x	= \$	-
150713 Remove Pavement Marking	SQFT	x	= \$	-
150742 Remove Roadside Sign	EA	x	= \$	-
152320 Reset Roadside Sign	EA	x	= \$	-
152390 Relocate Roadside Sign	EA	x	= \$	-
566011 Roadside Sign (One Post)	EA	x	= \$	-
566012 Roadside Sign (Two Post)	EA	x	= \$	-
560XXX Furnish Sign Panels	SQFT	x	= \$	-
560XXX Install Sign Panels	SQFT	x	= \$	-
82010X Delineator (Class X)	EA	x	= \$	-
84XXXX Permanent Pavement Delineation	LS	x	= \$	-
<i>Subtotal Traffic Signing and Striping</i>				<i>\$ 2,000</i>

6C - Stage Construction and Traffic Handling

Item code	Unit	Quantity	Unit Price (\$)	Cost
120100 Traffic Control System	LS	x	= \$	-
120120 Type III Barricade	EA	3	x 100.00 = \$	300
120143 Temporary Pavement Delineation	LF	x	= \$	-
12016X Channelizer	EA	x	= \$	-
128650 Portable Changeable Message Signs	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
129100 Temp. Crash Cushion Module	EA	x	= \$	-
129099A Traffic Plastic Drum	EA	x	= \$	-
839603A Temporary Crash Cushion (ADIEM)	EA	x	= \$	-
XXXXXX Some Item				
<i>Subtotal Stage Construction and Traffic Handling</i>				<i>\$ 300</i>

TOTAL TRAFFIC ITEMS	\$ 2,300
----------------------------	-----------------

SECTION 7: DETOURS

Include constructing, maintaining, and removal

Item code	Unit	Quantity	Unit Price (\$)	Cost
0713XX Temporary Fence (Type X)	LF	x	= \$	-
07XXXX Temporary Drainage	LS	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
1286XX Temporary Signals	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
190101 Roadway Excavation	CY	x	= \$	-
198001 Imported Borrow	CY	x	= \$	-
198050 Embankment	CY	x	= \$	-
250401 Class 4 Aggregate Subbase	CY	x	= \$	-
260201 Class 2 Aggregate Base	CY	x	= \$	-
390132 Hot Mix Asphalt (Type A)	TON	x	= \$	-
XXXXXX Some Item	LS	x	= \$	-

TOTAL DETOURS	\$	-
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SUBTOTAL SECTIONS 1-7 \$ 166,000

SECTION 8: MINOR ITEMS

8A - Americans with Disabilities Act Items

ADA Items 0.0% \$ -

8B - Bike Path Items

Bike Path Items 0.0% \$ -

8C - Other Minor Items

Other Minor Items 0.0% \$ -

Total of Section 1-7 \$ 166,000 x 0.0% = \$ -

TOTAL MINOR ITEMS	\$	-
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SECTIONS 9: MOBILIZATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
999990 Total Section 1-8	\$	166,000	x 10%	= \$ -

TOTAL MOBILIZATION	\$	-
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SECTION 10: SUPPLEMENTAL WORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
066015 Federal Trainee Program	LS	x	= \$	-
066063 Traffic Management Plan - Public Informati	LS	x	= \$	-
066090 Maintain Traffic	LS	x	= \$	-
066094 Value Analysis	LS	x	= \$	-
066204 Remove Rock & Debris	LS	x	= \$	-
066222 Locate Existing Cross-Over	LS	x	= \$	-
066670 Payment Adjustments For Price Index Fluct	LS	x	= \$	-
066700 Partnering	LS	x	= \$	-
066866 Operation of Existing Traffic Management S	LS	x	= \$	-
066920 Dispute Review Board	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

Cost of NPDES Supplemental Work specified in Section 5C = \$ -

Total Section 1-8 \$ 166,000 5% = \$ 8,300

TOTAL SUPPLEMENTAL WORK	\$	8,300
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PRELIMINARY
PROJECT COST ESTIMATE

SECTION 11: STATE FURNISHED MATERIALS AND EXPENSES

Item code	Unit	Quantity	Unit Price (\$)	Cost
066063 Public Information	LS	x	=	\$0
066105 RE Office	LS	x	=	\$0
066803 Padlocks	LS	x	=	\$0
066838 Reflective Numbers and Edge Sealer	LS	x	=	\$0
066901 Water Expenses	LS	x	=	\$0
066062A COZEEP Expenses	LS	x	=	\$0
06684X Ramp Meter Controller Assembly	LS	x	=	\$0
06684X TMS Controller Assembly	LS	x	=	\$0
06684X Traffic Signal Controller Assembly	LS	x	=	\$0
XXXXXX Some Item				

Total Section 1-8 \$ 166,000 0% = \$ -

TOTAL STATE FURNISHED	\$0
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SECTION 12: TIME-RELATED OVERHEAD

Estiamted Time-Releated Overhead (TRO) Percentage (0% to 10%) = 5%

Item code	Unit	Quantity	Unit Price (\$)	Cost
070018 Time-Related Overhead	WD	0	X #DIV/0! =	\$0

TOTAL TIME-RELATED OVERHEAD	\$0
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SECTION 13: CONTINGENCY

(Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)

Total Section 1-11 \$ 174,300 x 10% = \$17,430

TOTAL CONTINGENCY	\$17,500
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II. STRUCTURE ITEMS

DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
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DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0.0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
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TOTAL COST OF BRIDGES	\$0.00
TOTAL COST OF BUILDINGS	\$0.00

TOTAL COST OF STRUCTURES¹	\$0.00
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Estimate Prepared By: _____
XXXXXXXXXXXXXXXXXXXX ----- Division of Structures

_____ Date

¹Structure's Estimate includes Overhead and Mobilization.
Add more sheets if needed. Call them 9a, 9b, 9c, ..., etc

III. RIGHT OF WAY

Fill in all of the available information from the Right of Way data sheet.

A)	A1)	Acquisition, including Excess Land Purchases, Damages & Goodwill,	\$	0
	A2)	SB-1210	\$	0
B)		Acquisition of Offsite Mitigation	\$	0
C)	C1)	Utility Relocation (State Share)	\$	0
	C2)	Potholing (Design Phase)	\$	0
D)		Railroad Acquisition	\$	0
E)		Clearance / Demolition	\$	0
F)		Relocation Assistance (RAP and/or Last Resort Housing Costs)	\$	0
G)		Title and Escrow	\$	0
H)		Environmental Review	\$	0
I)		Condemnation Settlements <u>0%</u> (Items G & H applied to items A + B)	\$	0
J)		Design Appreciation Factor 0%	\$	0
K)		Utility Relocation (Construction Cost)	\$	0

L) **TOTAL RIGHT OF WAY ESTIMATE** **\$0**
(Excluding Item #8 - Hazardous Waste)

M) **TOTAL R/W ESTIMATE: Escalated** **\$0**

N) **Right of Way Support** **\$ 0**

Support Cost		
Estimate Prepared By	Project Coordinator ¹	Phone
Utility Estimate		
Prepared By	Utility Coordinator ²	Phone
R/W Acquisition		
Estimate Prepared By	Right of Way Estimator ³	Phone

¹ When estimate has Support Costs only ² When estimate has Utility Relocation

³ When R/W Acquisition is required

DO NOT PRINT THIS SHEET AS PART OF COST ESTIMATE ATTACHMENT TO PROJECT INITIATION OR APPROVAL DOCUMENTS.

IV. SUPPORT COST ESTIMATE SUMMARY

Please obtain a P3 report (CL#3) from PPM to fill in the support cost for these categories.

SB-45 CATEGORY SUPPORT COST	PREVIOUS	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FUTURE	P3 Total	Support Ratio
PR/ED (PD,PE,PM)											\$ -	0.00%
PS&E (PS)											\$ -	0.00%
R/W (RW)											\$ -	0.00%
CONSTRUCTION (CM)											\$ -	0.00%
Total Support Cost:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	0.00%

Note: It is assumed that the Support Costs are already escalated by Programming to the year of expenditure. Use project Programming Sheet data.

Total Capital Cost:	\$192,000
Total Capital Outlay Support Cost:	\$0
Overall Percent Support Cost:	0.00%

V. ESCALATED CONSTRUCTION COST ESTIMATE SUMMARY

Note: Right of way escalated cost are accounted for on sheet 10 of 11.

	Month	/	Year
Date of Estimate (Month/Year)	10	/	2015
Estimated Date of Construction Start (Month/Year)	0	/	0
Number of Working Days	0	WD	
Estimated Mid-Point of Construction (Month/Year)	0	/	0

YEAR	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE
FORECASTED ESCALATION											

ESCALATED CONSTRUCTION COSTS	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE	TOTAL ESCALATED COSTS
ROADWAY ITEMS	\$ 191,800	\$ 191,800	\$ 191,800	\$ 191,800	\$ 191,800	\$ 191,800	\$ 191,800	\$ 191,800	\$ 191,800	\$ 191,800	\$ 191,800	\$ 191,800
STRUCTURE ITEMS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SUBTOTAL	\$ 191,800	\$ 191,800	\$ 191,800	\$ 191,800	\$ 191,800	\$ 191,800	\$ 191,800	\$ 191,800	\$ 191,800	\$ 191,800	\$ 191,800	\$ 191,800

Approved by:

Project Control Engineer

Date

PRELIMINARY
PROJECT COST ESTIMATE
Sound Wall Cost Estimate

Project ID:

Type of Estimate : Sound Wall NB 1-2 (16' Wall)

Program Code :

Project Limits :

Description: SR41 SB On-ramp

Scope :

Alternative :

	Current Cost	Escalated Cost
ROADWAY ITEMS	\$ 213,100	\$ 213,100
STRUCTURE ITEMS	\$ -	\$ -
SUBTOTAL CONSTRUCTION COST	\$ 213,100	\$ 213,100
RIGHT OF WAY	\$ -	\$ -
TOTAL CAPITAL OUTLAY COST	\$ 214,000	\$ 214,000
PR/ED SUPPORT	\$ -	\$ -
PS&E SUPPORT	\$ -	\$ -
RIGHT OF WAY SUPPORT	\$ -	\$ -
CONSTRUCTION SUPPORT	\$ -	\$ -
TOTAL CAPITAL OUTLAY SUPPORT COST*	\$ -	\$ -
TOTAL PROJECT COST	\$ 215,000	\$ 215,000

If Project has been programmed enter Programmed Amount \$ -

Date of Estimate (Month/Year) Month / Year
10 / 2015

Estimated Date of Construction Start (Month/Year) /

Number of Working Days Working Days
Month / Year

Estimated Mid-Point of Construction (Month/Year)

Number of Plant Establishment Days Days

Estimated Project Schedule

PID Approval

PA/ED Approval

PS&E

RTL

Begin Construction

Approved by Project
Manager

10/30/2015

(559) 374-3111

Project Manager

Date

Phone

I. ROADWAY ITEMS SUMMARY

Section		Cost
1	Earthwork	\$ 5,000
2	Pavement Structural Section	\$ -
3	Drainage	\$ -
4	Specialty Items	\$ 167,900
5	Environmental	\$ 9,200
6	Traffic Items	\$ 2,300
7	Detours	\$ -
8	Minor Items	\$ -
9	Roadway Mobilization	\$ -
10	Supplemental Work	\$ 9,300
11	State Furnished	\$ -
12	Contingencies	\$ 19,400
13	Overhead	\$ -
TOTAL ROADWAY ITEMS		\$ 213,100

Estimate Prepared By	Melissa Blau - Design Engineer	10/29/2015	(559) 374-3107
	Name and Title	Date	Phone

Estimate Reviewed By	Edgar Noriega - Project Manager	10/30/2015	(559) 374-3111
	Name and Title	Date	Phone

By signing this estimate you are attesting that you have discussed your project with all functional units and have incorporated all their comments or have discussed with them why they will not be incorporated.

PRELIMINARY
PROJECT COST ESTIMATE

SECTION 1: EARTHWORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
160101 Clearing & Grubbing	LS	1	x 5,000.00	= \$ 5,000
170101 Develop Water Supply	LS		x	= \$ -
190101 Roadway Excavation	CY		x	= \$ -
190103 Roadway Excavation (Type Y) ADL	CY		x	= \$ -
190105 Roadway Excavation (Type Z-2) ADL	CY		x	= \$ -
192037 Structure Excavation (Retaining Wall)	CY		x	= \$ -
193013 Structure Backfill (Retaining Wall)	CY		x	= \$ -
193031 Pervious Backfill Material (Retaining Wall)	CY		x	= \$ -
194001 Ditch Excavation	CY		x	= \$ -
198001 Impored Borrow	CY		x	= \$ -
198007 Imported Material (Shoulder Backing)	TON		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL EARTHWORK SECTION ITEMS	\$ 5,000
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SECTION 2: PAVEMENT STRUCTURAL SECTION

Item code	Unit	Quantity	Unit Price (\$)	Cost
150771 Remove Asphalt Concrete Dike	LF		x	= \$ -
150860 Remove Base and Surfacing	CY		x	= \$ -
153103 Cold Plane Asphalt Concrete Pavement	SQYD		x	= \$ -
1532XX Remove Concrete (type)	CY		x	= \$ -
250401 Class 4 Aggregate Subbase	CY		x	= \$ -
260201 Class 2 Aggregate Base	CY		x	= \$ -
290201 Asphalt Treated Permeable Base	CY		x	= \$ -
365001 Sand Cover	TON		x	= \$ -
374002 Asphaltic Emulsion (Fog Seal Coat)	TON		x	= \$ -
374492 Asphaltic Emulsion (Polymer Modified)	TON		x	= \$ -
3750XX Screenings (Type XX)	TON		x	= \$ -
377501 Slurry Seal	TON		x	= \$ -
390095 Replace Asphalt Concrete Surfacing	CY		x	= \$ -
390132 Hot Mix Asphalt (Type A)	TON		x	= \$ -
390136 Minor Hot Mix Asphalt	TON		x	= \$ -
390137 Rubberized Hot Mix Asphalt (Gap Graded)	TON		x	= \$ -
393003 Geosynthetic Pavement Interlayer	SQYD		x	= \$ -
39405X Shoulder Rumber Strip (HMA, Type XX Inden	STA		x	= \$ -
394071 Place Hot Mix Asphalt Dike	LF		x	= \$ -
394090 Place Hot Mix Asphalt (Misc. Area)	SQYD		x	= \$ -
397005 Tack Coat	TON		x	= \$ -
401000 Concrete Pavement	CY		x	= \$ -
401108 Replace Concrete Pavement (Rapid Strength	CY		x	= \$ -
404092 Seal Pavement Joint	LF		x	= \$ -
404094 Seal Longitudinal Isolation Joint	LF		x	= \$ -
413112A Repair Spalled Joints (Polyester Grout)	SQYD		x	= \$ -
413115 Seal Existing Concrete Pavement Joint	LF		x	= \$ -
420102 Groove Existing Concrete Pavement	SQYD		x	= \$ -
420201 Grind Existing Concrete Pavement	SQYD		x	= \$ -
731502 Minor Concrete (Misc. Const)	CY		x	= \$ -
731530 Minor Concrete (Textured Paving)	SQFT		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL STRUCTURAL SECTION ITEMS	\$ -
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SECTION 3: DRAINAGE

Item code	Unit	Quantity	Unit Price (\$)	Cost
150206 Abandon Culvert	LF	x	= \$	-
150805 Remove Culvert	LF	x	= \$	-
150820 Modify Inlet	EA	x	= \$	-
152430 Adjust Inlet	LF	x	= \$	-
155003 Cap Inlet	EA	x	= \$	-
193114 Sand Backfill	CY	x	= \$	-
510502 Minor Concrete (Minor Structure)	CY	x	= \$	-
510512 Minor Concrete (Box Culvert)	CY	x	= \$	-
62XXXX XXX" APC Pipe	LF	x	= \$	-
64XXXX XXX" Plastic Pipe	LF	x	= \$	-
65XXXX XXX" RCP Pipe	LF	x	= \$	-
66XXXX XXX" CSP Pipe	LF	x	= \$	-
68XXXX Edge Drain	LF	x	= \$	-
69XXXX XXX" Pipe Downdrain	LF	x	= \$	-
70XXXX XXX" Pipe Inlet	LF	x	= \$	-
70XXXX XXX" Pipe Riser	LF	x	= \$	-
70XXXX XXX" Flared End Section	EA	x	= \$	-
703233 Grated Line Drain	LF	x	= \$	-
72XXXX Rock Slope Protection (Type and Method)	CY	x	= \$	-
721420 Concrete (Ditch Lining)	CY	x	= \$	-
721430 Concrete (Channel Lining)	CY	x	= \$	-
729010 Rock Slope Protection Fabric	SQYD	x	= \$	-
750001 Miscellaneous Iron and Steel	LB	x	= \$	-
XXXXXX Additional Drainage	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL DRAINAGE ITEMS	\$	-
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SECTION 4: SPECIALTY ITEMS

Item code	Unit	Quantity	Unit Price (\$)	Cost
070012 Progress Schedule (Critical Path Method)	LS	x	= \$	-
150662 Remove Metal Beam Guard Railing	LF	x	= \$	-
150668 Remove Terminal Systems	EA	x	= \$	-
1532XX Remove Barrier (60)	LF	x	= \$	-
153250 Remove Sound Wall	SQFT	x	= \$	-
190110 Lead Compliance Plan	LS	x	= \$	-
490601 CIDH Concrete Piling (16")	LF	460	45.00	20,700
510060 Structural Concrete (Retaining Wall)	CY	x	= \$	-
510133 Class 2 Concrete (Retaining Wall)	CY	x	= \$	-
510524 Minor Concrete (Sound Wall)	CY	x	= \$	-
5110XX Architectural Treatment (Insert Type)	SQFT	x	= \$	-
511048 Apply Anti-Graffiti Coating	SQFT	x	= \$	-
5136XX Reinforced Concrete Crib Wall (Insert Type)	SQFT	x	= \$	-
518002 Sound Wall (Masonry Block)	SQFT	7,360	20.00	147,200
520103 Bar Reinf. Steel (Retaining Wall)	LB	x	= \$	-
80XXXX Fence (Insert Type)	LF	x	= \$	-
832001 Metal Beam Guard Railing	LF	x	= \$	-
839310 Double Thrie Beam Barrier	LF	x	= \$	-
839521 Cable Railing	LF	x	= \$	-
83954X Transition Railing (Insert Type)	EA	x	= \$	-
8395XX Terminal System (Type CAT)	EA	x	= \$	-
8395XX Alternative Flared Terminal System	EA	x	= \$	-
8395XX End Anchor Assembly (Insert Type)	EA	x	= \$	-
839561 Rail Tensioning Assembly	EA	x	= \$	-
839XXX Crash Cushion (Insert Type)	EA	x	= \$	-
83XXXX Concrete Barrier (60C)	LF	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL SPECIALTY ITEMS	\$	167,900
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SECTION 5: ENVIRONMENTAL

5A - ENVIRONMENTAL MITIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
Biological Mitigation	LS	x	= \$	-
071325 TEMPORARY REINFORCED SILT FENCE	LF	x	= \$	-
071325 Temporary Fence (Type ESA)				
Subtotal Environmental				\$ -

5B - LANDSCAPE AND IRRIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
200001 Highway Planting	LS	1 x	9,200.00 = \$	9,200
20XXXX XXX" (Insert Type) Conduit (Use for	LF	x	= \$	-
20XXXX Extend XXX" (Insert Type) Conduit	LF	x	= \$	-
201700 Imported Topsoil	CY	x	= \$	-
2030XX Erosion Control (Type __)	SQYD	x	= \$	-
203021 Fiber Rolls	LF	x	= \$	-
203026 Move In/ Move Out (Erosion Control)	EA	x	= \$	-
204099 Plant Establishment Work	LS	x	= \$	-
204101 Extend Plant Establishment (X Years)	LS	x	= \$	-
208000 Irrigation System	LS	x	= \$	-
208304 Water Meter	EA	x	= \$	-
209801 Maintenance Vehicle Pullout	EA	x	= \$	-
XXXXXX Some Item				
Subtotal Landscape and Irrigation				\$ 9,200

5C - NPDES

Item code	Unit	Quantity	Unit Price (\$)	Cost
074016 Construction Site Management	LS	x	= \$	-
074017 Prepare WPCP	LS	x	= \$	-
074019 Prepare SWPPP	LS	x	= \$	-
074023 Temporary Erosion Control	SQYD	x	= \$	-
074027 Temporary Erosion Control Blanket	SQYD	x	= \$	-
074028 Temporary Fiber Roll	LF	x	= \$	-
074032 Temporary Concrete Washout Facility	EA	x	= \$	-
074033 Temporary Construction Entrance	EA	x	= \$	-
074035 Temporary Check Dam	LF	x	= \$	-
074037 Move In/ Move Out (Temporary Erosion Cont	EA	x	= \$	-
074038 Temp. Drainage Inlet Protection	EA	x	= \$	-
074041 Street Sweeping	LS	x	= \$	-
074042 Temporary Concrete Washout (Portable)	LS	x	= \$	-
XXXXXX Some Item				

Supplemental Work for NPDES

(These costs are not accounted in total here but under Supplemental Work on sheet 7 of 11).

066595 Water Pollution Control Maintenance Sharing	LS	x	= \$	-
066596 Additional Water Pollution Control**	LS	x	= \$	-
066597 Storm Water Sampling and Analysis***	LS	x	= \$	-
XXXXXX Some Item				

Subtotal NPDES (Without Supplemental Work) \$ -

*Applies to all SWPPPs and those WPCPs with sediment control or soil stabilization BMPs.

**Applies to both SWPPPs and WPCP projects.

*** Applies only to project with SWPPPs.

TOTAL ENVIRONMENTAL	\$ 9,200
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SECTION 6: TRAFFIC ITEMS

6A - Traffic Electrical

Item code	Unit	Quantity	Unit Price (\$)	Cost
150760 Remove Sign Structure	EA	x	= \$	-
151581 Reconstruct Sign Structure	EA	x	= \$	-
152641 Modify Sign Structure	EA	x	= \$	-
5602XX Furnish Sign Structure	LB	x	= \$	-
5602XX Install Sign Structure	LB	x	= \$	-
56XXXX XXX" CIDHC Pile (Sign Foundation)	LF	x	= \$	-
860090 Maintain Existing Traffic Management	LS	x	= \$	-
860810 Inductive Loop Detectors	EA	x	= \$	-
86055X Lighting & Sign Illumination	LS	x	= \$	-
8607XX Interconnection Facilities	LS	x	= \$	-
8609XX Traffic Monitoring Stations	LS	x	= \$	-
860XXX Signals & Lighting	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
86XXXX Fiber Optic Conduit System	LS	x	= \$	-
XXXXX Some Item				
<i>Subtotal Traffic Electrical</i>				<i>\$ -</i>

6B - Traffic Signing and Striping

Item code	Unit	Quantity	Unit Price (\$)	Cost
120090 Construction Area Signs	LS	1	x 2,000.00 = \$	2,000
150701 Remove Yellow Painted Traffic Stripe	LF	x	= \$	-
150710 Remove Traffic Stripe	LF	x	= \$	-
150713 Remove Pavement Marking	SQFT	x	= \$	-
150742 Remove Roadside Sign	EA	x	= \$	-
152320 Reset Roadside Sign	EA	x	= \$	-
152390 Relocate Roadside Sign	EA	x	= \$	-
566011 Roadside Sign (One Post)	EA	x	= \$	-
566012 Roadside Sign (Two Post)	EA	x	= \$	-
560XXX Furnish Sign Panels	SQFT	x	= \$	-
560XXX Install Sign Panels	SQFT	x	= \$	-
82010X Delineator (Class X)	EA	x	= \$	-
84XXXX Permanent Pavement Delineation	LS	x	= \$	-
<i>Subtotal Traffic Signing and Striping</i>				<i>\$ 2,000</i>

6C - Stage Construction and Traffic Handling

Item code	Unit	Quantity	Unit Price (\$)	Cost
120100 Traffic Control System	LS	x	= \$	-
120120 Type III Barricade	EA	3	x 100.00 = \$	300
120143 Temporary Pavement Delineation	LF	x	= \$	-
12016X Channelizer	EA	x	= \$	-
128650 Portable Changeable Message Signs	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
129100 Temp. Crash Cushion Module	EA	x	= \$	-
129099A Traffic Plastic Drum	EA	x	= \$	-
839603A Temporary Crash Cushion (ADIEM)	EA	x	= \$	-
XXXXXX Some Item				
<i>Subtotal Stage Construction and Traffic Handling</i>				<i>\$ 300</i>

TOTAL TRAFFIC ITEMS	\$ 2,300
----------------------------	-----------------

SECTION 7: DETOURS

Include constructing, maintaining, and removal

Item code	Unit	Quantity	Unit Price (\$)	Cost
0713XX Temporary Fence (Type X)	LF	x	= \$	-
07XXXX Temporary Drainage	LS	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
1286XX Temporary Signals	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
190101 Roadway Excavation	CY	x	= \$	-
198001 Imported Borrow	CY	x	= \$	-
198050 Embankment	CY	x	= \$	-
250401 Class 4 Aggregate Subbase	CY	x	= \$	-
260201 Class 2 Aggregate Base	CY	x	= \$	-
390132 Hot Mix Asphalt (Type A)	TON	x	= \$	-
XXXXXX Some Item	LS	x	= \$	-

TOTAL DETOURS	\$	-
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SUBTOTAL SECTIONS 1-7 \$ 184,400

SECTION 8: MINOR ITEMS

8A - Americans with Disabilities Act Items

ADA Items 0.0% \$ -

8B - Bike Path Items

Bike Path Items 0.0% \$ -

8C - Other Minor Items

Other Minor Items 0.0% \$ -

Total of Section 1-7 \$ 184,400 x 0.0% = \$ -

TOTAL MINOR ITEMS	\$	-
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SECTIONS 9: MOBILIZATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
999990 Total Section 1-8	\$	184,400	x 10%	= \$ -

TOTAL MOBILIZATION	\$	-
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SECTION 10: SUPPLEMENTAL WORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
066015 Federal Trainee Program	LS	x	= \$	-
066063 Traffic Management Plan - Public Informati	LS	x	= \$	-
066090 Maintain Traffic	LS	x	= \$	-
066094 Value Analysis	LS	x	= \$	-
066204 Remove Rock & Debris	LS	x	= \$	-
066222 Locate Existing Cross-Over	LS	x	= \$	-
066670 Payment Adjustments For Price Index Fluct	LS	x	= \$	-
066700 Partnering	LS	x	= \$	-
066866 Operation of Existing Traffic Management S	LS	x	= \$	-
066920 Dispute Review Board	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

Cost of NPDES Supplemental Work specified in Section 5C = \$ -

Total Section 1-8 \$ 184,400 5% = \$ 9,220

TOTAL SUPPLEMENTAL WORK	\$	9,300
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PRELIMINARY
PROJECT COST ESTIMATE

SECTION 11: STATE FURNISHED MATERIALS AND EXPENSES

Item code	Unit	Quantity	Unit Price (\$)	Cost
066063 Public Information	LS	x	=	\$0
066105 RE Office	LS	x	=	\$0
066803 Padlocks	LS	x	=	\$0
066838 Reflective Numbers and Edge Sealer	LS	x	=	\$0
066901 Water Expenses	LS	x	=	\$0
066062A COZEEP Expenses	LS	x	=	\$0
06684X Ramp Meter Controller Assembly	LS	x	=	\$0
06684X TMS Controller Assembly	LS	x	=	\$0
06684X Traffic Signal Controller Assembly	LS	x	=	\$0
XXXXXX Some Item				

Total Section 1-8 \$ 184,400 0% = \$ -

TOTAL STATE FURNISHED	\$0
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SECTION 12: TIME-RELATED OVERHEAD

Estiamted Time-Releated Overhead (TRO) Percentage (0% to 10%) = 5%

Item code	Unit	Quantity	Unit Price (\$)	Cost
070018 Time-Related Overhead	WD	0	X #DIV/0!	= \$0

TOTAL TIME-RELATED OVERHEAD	\$0
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SECTION 13: CONTINGENCY

(Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)

Total Section 1-11 \$ 193,700 x 10% = \$19,370

TOTAL CONTINGENCY	\$19,400
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II. STRUCTURE ITEMS

DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
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DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0.0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
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TOTAL COST OF BRIDGES	\$0.00
TOTAL COST OF BUILDINGS	\$0.00

TOTAL COST OF STRUCTURES¹	\$0.00
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Estimate Prepared By: _____
XXXXXXXXXXXXXXXXXXXX ----- Division of Structures

_____ Date

¹Structure's Estimate includes Overhead and Mobilization.
Add more sheets if needed. Call them 9a, 9b, 9c, ..., etc

III. RIGHT OF WAY

Fill in all of the available information from the Right of Way data sheet.

A)	A1)	Acquisition, including Excess Land Purchases, Damages & Goodwill,	\$	0
	A2)	SB-1210	\$	0
B)		Acquisition of Offsite Mitigation	\$	0
C)	C1)	Utility Relocation (State Share)	\$	0
	C2)	Potholing (Design Phase)	\$	0
D)		Railroad Acquisition	\$	0
E)		Clearance / Demolition	\$	0
F)		Relocation Assistance (RAP and/or Last Resort Housing Costs)	\$	0
G)		Title and Escrow	\$	0
H)		Environmental Review	\$	0
I)		Condemnation Settlements <u>0%</u> (Items G & H applied to items A + B)	\$	0
J)		Design Appreciation Factor 0%	\$	0
K)		Utility Relocation (Construction Cost)	\$	0

L) **TOTAL RIGHT OF WAY ESTIMATE** **\$0**
(Excluding Item #8 - Hazardous Waste)

M) **TOTAL R/W ESTIMATE: Escalated** **\$0**

N) **Right of Way Support** **\$ 0**

Support Cost		
Estimate Prepared By	Project Coordinator ¹	Phone
Utility Estimate		
Prepared By	Utility Coordinator ²	Phone
R/W Acquisition		
Estimate Prepared By	Right of Way Estimator ³	Phone

¹ When estimate has Support Costs only ² When estimate has Utility Relocation

³ When R/W Acquisition is required

DO NOT PRINT THIS SHEET AS PART OF COST ESTIMATE ATTACHMENT TO PROJECT INITIATION OR APPROVAL DOCUMENTS.

IV. SUPPORT COST ESTIMATE SUMMARY

Please obtain a P3 report (CL#3) from PPM to fill in the support cost for these categories.

SB-45 CATEGORY SUPPORT COST	PREVIOUS	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FUTURE	P3 Total	Support Ratio
PR/ED (PD,PE,PM)											\$ -	0.00%
PS&E (PS)											\$ -	0.00%
R/W (RW)											\$ -	0.00%
CONSTRUCTION (CM)											\$ -	0.00%
Total Support Cost:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	0.00%

Note: It is assumed that the Support Costs are already escalated by Programming to the year of expenditure. Use project Programming Sheet data.

Total Capital Cost:	\$214,000
Total Capital Outlay Support Cost:	\$0
Overall Percent Support Cost:	0.00%

V. ESCALATED CONSTRUCTION COST ESTIMATE SUMMARY

Note: Right of way escalated cost are accounted for on sheet 10 of 11.

	Month	/	Year
Date of Estimate (Month/Year)	10	/	2015
Estimated Date of Construction Start (Month/Year)	0	/	0
Number of Working Days	0	WD	
Estimated Mid-Point of Construction (Month/Year)	0	/	0

YEAR	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE
FORECASTED ESCALATION											

ESCALATED CONSTRUCTION COSTS	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE	TOTAL ESCALATED COSTS
ROADWAY ITEMS	\$ 213,100	\$ 213,100	\$ 213,100	\$ 213,100	\$ 213,100	\$ 213,100	\$ 213,100	\$ 213,100	\$ 213,100	\$ 213,100	\$ 213,100	\$ 213,100
STRUCTURE ITEMS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SUBTOTAL	\$ 213,100	\$ 213,100	\$ 213,100	\$ 213,100	\$ 213,100	\$ 213,100	\$ 213,100	\$ 213,100	\$ 213,100	\$ 213,100	\$ 213,100	\$ 213,100

Approved by:

Project Control Engineer

Date

PRELIMINARY
PROJECT COST ESTIMATE
Sound Wall Cost Estimate

Project ID:

Type of Estimate : Sound Wall NB 2-1 (12' Wall)
Program Code :
Project Limits :
Description: SR41 N. Fresno Street to E. Clinton Ave
Scope :
Alternative :

	Current Cost	Escalated Cost
ROADWAY ITEMS	\$ 896,800	\$ 896,800
STRUCTURE ITEMS	\$ -	\$ -
SUBTOTAL CONSTRUCTION COST	\$ 896,800	\$ 896,800
RIGHT OF WAY	\$ -	\$ -
TOTAL CAPITAL OUTLAY COST	\$ 897,000	\$ 897,000
PR/ED SUPPORT	\$ -	\$ -
PS&E SUPPORT	\$ -	\$ -
RIGHT OF WAY SUPPORT	\$ -	\$ -
CONSTRUCTION SUPPORT	\$ -	\$ -
TOTAL CAPITAL OUTLAY SUPPORT COST*	\$ -	\$ -
TOTAL PROJECT COST	\$ 900,000	\$ 900,000

If Project has been programmed enter Programmed Amount \$ -

Month / Year
10 / 2015

Date of Estimate (Month/Year)

/

Estimated Date of Construction Start (Month/Year)

Working Days

Number of Working Days

Month / Year

Estimated Mid-Point of Construction (Month/Year)

Days

Number of Plant Establishment Days

Estimated Project Schedule

PID Approval
PA/ED Approval
PS&E
RTL
Begin Construction

Approved by Project
Manager

10/30/2015

(559) 374-3111

Project Manager

Date

Phone

I. ROADWAY ITEMS SUMMARY

Section		Cost
1	Earthwork	\$ 5,000
2	Pavement Structural Section	\$ -
3	Drainage	\$ -
4	Specialty Items	\$ 736,600
5	Environmental	\$ -
6	Traffic Items	\$ 34,700
7	Detours	\$ -
8	Minor Items	\$ -
9	Roadway Mobilization	\$ -
10	Supplemental Work	\$ 38,900
11	State Furnished	\$ -
12	Contingencies	\$ 81,600
13	Overhead	\$ -
TOTAL ROADWAY ITEMS		\$ 896,800

Estimate Prepared By	Melissa Blau - Design Engineer	10/29/2015	(559) 374-3107
	Name and Title	Date	Phone

Estimate Reviewed By	Edgar Noriega - Project Manager	10/30/2015	(559) 374-3111
	Name and Title	Date	Phone

By signing this estimate you are attesting that you have discussed your project with all functional units and have incorporated all their comments or have discussed with them why they will not be incorporated.

PRELIMINARY
PROJECT COST ESTIMATE

SECTION 1: EARTHWORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
160101 Clearing & Grubbing	LS	1	x 5,000.00	= \$ 5,000
170101 Develop Water Supply	LS		x	= \$ -
190101 Roadway Excavation	CY		x	= \$ -
190103 Roadway Excavation (Type Y) ADL	CY		x	= \$ -
190105 Roadway Excavation (Type Z-2) ADL	CY		x	= \$ -
192037 Structure Excavation (Retaining Wall)	CY		x	= \$ -
193013 Structure Backfill (Retaining Wall)	CY		x	= \$ -
193031 Pervious Backfill Material (Retaining Wall)	CY		x	= \$ -
194001 Ditch Excavation	CY		x	= \$ -
198001 Impored Borrow	CY		x	= \$ -
198007 Imported Material (Shoulder Backing)	TON		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL EARTHWORK SECTION ITEMS	\$ 5,000
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SECTION 2: PAVEMENT STRUCTURAL SECTION

Item code	Unit	Quantity	Unit Price (\$)	Cost
150771 Remove Asphalt Concrete Dike	LF		x	= \$ -
150860 Remove Base and Surfacing	CY		x	= \$ -
153103 Cold Plane Asphalt Concrete Pavement	SQYD		x	= \$ -
1532XX Remove Concrete (type)	CY		x	= \$ -
250401 Class 4 Aggregate Subbase	CY		x	= \$ -
260201 Class 2 Aggregate Base	CY		x	= \$ -
290201 Asphalt Treated Permeable Base	CY		x	= \$ -
365001 Sand Cover	TON		x	= \$ -
374002 Asphaltic Emulsion (Fog Seal Coat)	TON		x	= \$ -
374492 Asphaltic Emulsion (Polymer Modified)	TON		x	= \$ -
3750XX Screenings (Type XX)	TON		x	= \$ -
377501 Slurry Seal	TON		x	= \$ -
390095 Replace Asphalt Concrete Surfacing	CY		x	= \$ -
390132 Hot Mix Asphalt (Type A)	TON		x	= \$ -
390136 Minor Hot Mix Asphalt	TON		x	= \$ -
390137 Rubberized Hot Mix Asphalt (Gap Graded)	TON		x	= \$ -
393003 Geosynthetic Pavement Interlayer	SQYD		x	= \$ -
39405X Shoulder Rumber Strip (HMA, Type XX Inden	STA		x	= \$ -
394071 Place Hot Mix Asphalt Dike	LF		x	= \$ -
394090 Place Hot Mix Asphalt (Misc. Area)	SQYD		x	= \$ -
397005 Tack Coat	TON		x	= \$ -
401000 Concrete Pavement	CY		x	= \$ -
401108 Replace Concrete Pavement (Rapid Strength	CY		x	= \$ -
404092 Seal Pavement Joint	LF		x	= \$ -
404094 Seal Longitudinal Isolation Joint	LF		x	= \$ -
413112A Repair Spalled Joints (Polyester Grout)	SQYD		x	= \$ -
413115 Seal Existing Concrete Pavement Joint	LF		x	= \$ -
420102 Groove Existing Concrete Pavement	SQYD		x	= \$ -
420201 Grind Existing Concrete Pavement	SQYD		x	= \$ -
731502 Minor Concrete (Misc. Const)	CY		x	= \$ -
731530 Minor Concrete (Textured Paving)	SQFT		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL STRUCTURAL SECTION ITEMS	\$ -
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SECTION 3: DRAINAGE

Item code	Unit	Quantity	Unit Price (\$)	Cost
150206 Abandon Culvert	LF	x	= \$	-
150805 Remove Culvert	LF	x	= \$	-
150820 Modify Inlet	EA	x	= \$	-
152430 Adjust Inlet	LF	x	= \$	-
155003 Cap Inlet	EA	x	= \$	-
193114 Sand Backfill	CY	x	= \$	-
510502 Minor Concrete (Minor Structure)	CY	x	= \$	-
510512 Minor Concrete (Box Culvert)	CY	x	= \$	-
62XXXX XXX" APC Pipe	LF	x	= \$	-
64XXXX XXX" Plastic Pipe	LF	x	= \$	-
65XXXX XXX" RCP Pipe	LF	x	= \$	-
66XXXX XXX" CSP Pipe	LF	x	= \$	-
68XXXX Edge Drain	LF	x	= \$	-
69XXXX XXX" Pipe Downdrain	LF	x	= \$	-
70XXXX XXX" Pipe Inlet	LF	x	= \$	-
70XXXX XXX" Pipe Riser	LF	x	= \$	-
70XXXX XXX" Flared End Section	EA	x	= \$	-
703233 Grated Line Drain	LF	x	= \$	-
72XXXX Rock Slope Protection (Type and Method)	CY	x	= \$	-
721420 Concrete (Ditch Lining)	CY	x	= \$	-
721430 Concrete (Channel Lining)	CY	x	= \$	-
729010 Rock Slope Protection Fabric	SQYD	x	= \$	-
750001 Miscellaneous Iron and Steel	LB	x	= \$	-
XXXXXX Additional Drainage	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL DRAINAGE ITEMS	\$	-
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SECTION 4: SPECIALTY ITEMS

Item code	Unit	Quantity	Unit Price (\$)	Cost
070012 Progress Schedule (Critical Path Method)	LS	x	= \$	-
150662 Remove Metal Beam Guard Railing	LF	1,235	x 8.00 = \$	9,880
150668 Remove Terminal Systems	EA	x	= \$	-
1532XX Remove Barrier (60)	LF	x	= \$	-
153250 Remove Sound Wall	SQFT	1,200	x 10.00 = \$	12,000
190110 Lead Compliance Plan	LS	x	= \$	-
490601 CIDH Concrete Piling (16")	LF	800	x 45.00 = \$	36,000
510060 Structural Concrete (Retaining Wall)	CY	x	= \$	-
510133 Class 2 Concrete (Retaining Wall)	CY	x	= \$	-
510524 Minor Concrete (Sound Wall)	CY	x	= \$	-
5110XX Architectural Treatment (Insert Type)	SQFT	x	= \$	-
511048 Apply Anti-Graffiti Coating	SQFT	x	= \$	-
5136XX Reinforced Concrete Crib Wall (Insert Type)	SQFT	x	= \$	-
518002 Sound Wall (Masonry Block)	SQFT	24,672	x 20.00 = \$	493,440
520103 Bar Reinf. Steel (Retaining Wall)	LB	x	= \$	-
80XXXX Fence (Insert Type)	LF	x	= \$	-
832001 Metal Beam Guard Railing	LF	x	= \$	-
839310 Double Thrie Beam Barrier	LF	x	= \$	-
839521 Cable Railing	LF	x	= \$	-
83954X Transition Railing (Insert Type)	EA	x	= \$	-
8395XX Terminal System (Type CAT)	EA	x	= \$	-
8395XX Alternative Flared Terminal System	EA	x	= \$	-
8395XX End Anchor Assembly (Insert Type)	EA	x	= \$	-
839561 Rail Tensioning Assembly	EA	x	= \$	-
839XXX Crash Cushion (Insert Type)	EA	x	= \$	-
839701 Concrete Barrier (60)	LF	1,235	x 150.00 = \$	185,250
XXXXXX Some Item		x	= \$	-

TOTAL SPECIALTY ITEMS	\$	736,600
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SECTION 5: ENVIRONMENTAL

5A - ENVIRONMENTAL MITIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
Biological Mitigation	LS	x	= \$	-
071325 TEMPORARY REINFORCED SILT FENCE	LF	x	= \$	-
071325 Temporary Fence (Type ESA)				
Subtotal Environmental				\$ -

5B - LANDSCAPE AND IRRIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
200001 Highway Planting	LS	x	= \$	-
20XXXX XXX" (Insert Type) Conduit (Use for	LF	x	= \$	-
20XXXX Extend XXX" (Insert Type) Conduit	LF	x	= \$	-
201700 Imported Topsoil	CY	x	= \$	-
2030XX Erosion Control (Type __)	SQYD	x	= \$	-
203021 Fiber Rolls	LF	x	= \$	-
203026 Move In/ Move Out (Erosion Control)	EA	x	= \$	-
204099 Plant Establishment Work	LS	x	= \$	-
204101 Extend Plant Establishment (X Years)	LS	x	= \$	-
208000 Irrigation System	LS	x	= \$	-
208304 Water Meter	EA	x	= \$	-
209801 Maintenance Vehicle Pullout	EA	x	= \$	-
XXXXXX Some Item				
Subtotal Landscape and Irrigation				\$ -

5C - NPDES

Item code	Unit	Quantity	Unit Price (\$)	Cost
074016 Construction Site Management	LS	x	= \$	-
074017 Prepare WPCP	LS	x	= \$	-
074019 Prepare SWPPP	LS	x	= \$	-
074023 Temporary Erosion Control	SQYD	x	= \$	-
074027 Temporary Erosion Control Blanket	SQYD	x	= \$	-
074028 Temporary Fiber Roll	LF	x	= \$	-
074032 Temporary Concrete Washout Facility	EA	x	= \$	-
074033 Temporary Construction Entrance	EA	x	= \$	-
074035 Temporary Check Dam	LF	x	= \$	-
074037 Move In/ Move Out (Temporary Erosion Cont	EA	x	= \$	-
074038 Temp. Drainage Inlet Protection	EA	x	= \$	-
074041 Street Sweeping	LS	x	= \$	-
074042 Temporary Concrete Washout (Portable)	LS	x	= \$	-
XXXXXX Some Item				

Supplemental Work for NPDES

(These costs are not accounted in total here but under Supplemental Work on sheet 7 of 11).

066595 Water Pollution Control Maintenance Sharing	LS	x	= \$	-
066596 Additional Water Pollution Control**	LS	x	= \$	-
066597 Storm Water Sampling and Analysis***	LS	x	= \$	-
XXXXXX Some Item				

Subtotal NPDES (Without Supplemental Work) \$ -

*Applies to all SWPPPs and those WPCPs with sediment control or soil stabilization BMPs.

**Applies to both SWPPPs and WPCP projects.

*** Applies only to project with SWPPPs.

TOTAL ENVIRONMENTAL	\$ -
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SECTION 6: TRAFFIC ITEMS

6A - Traffic Electrical

Item code	Unit	Quantity	Unit Price (\$)	Cost
150760 Remove Sign Structure	EA	x	= \$	-
151581 Reconstruct Sign Structure	EA	x	= \$	-
152641 Modify Sign Structure	EA	x	= \$	-
5602XX Furnish Sign Structure	LB	x	= \$	-
5602XX Install Sign Structure	LB	x	= \$	-
56XXXX XXX" CIDHC Pile (Sign Foundation)	LF	x	= \$	-
860090 Maintain Existing Traffic Management	LS	x	= \$	-
860810 Inductive Loop Detectors	EA	x	= \$	-
86055X Lighting & Sign Illumination	LS	x	= \$	-
8607XX Interconnection Facilities	LS	x	= \$	-
8609XX Traffic Monitoring Stations	LS	x	= \$	-
860XXX Signals & Lighting	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
86XXXX Fiber Optic Conduit System	LS	x	= \$	-
XXXXX Some Item				
Subtotal Traffic Electrical				\$ -

6B - Traffic Signing and Striping

Item code	Unit	Quantity	Unit Price (\$)	Cost
120090 Construction Area Signs	LS	1	x 2,750.00 = \$	2,750
150701 Remove Yellow Painted Traffic Stripe	LF	x	= \$	-
150710 Remove Traffic Stripe	LF	x	= \$	-
150713 Remove Pavement Marking	SQFT	x	= \$	-
150742 Remove Roadside Sign	EA	x	= \$	-
152320 Reset Roadside Sign	EA	x	= \$	-
152390 Relocate Roadside Sign	EA	x	= \$	-
566011 Roadside Sign (One Post)	EA	x	= \$	-
566012 Roadside Sign (Two Post)	EA	x	= \$	-
560XXX Furnish Sign Panels	SQFT	x	= \$	-
560XXX Install Sign Panels	SQFT	x	= \$	-
82010X Delineator (Class X)	EA	x	= \$	-
84XXXX Permanent Pavement Delineation	LS	x	= \$	-
Subtotal Traffic Signing and Striping				\$ 2,750

6C - Stage Construction and Traffic Handling

Item code	Unit	Quantity	Unit Price (\$)	Cost
120100 Traffic Control System	LS	1	x 30,000.00 = \$	30,000
120120 Type III Barricade	EA	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
12016X Channelizer	EA	62	x 30.00 = \$	1,860
128650 Portable Changeable Message Signs	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
129100 Temp. Crash Cushion Module	EA	x	= \$	-
129099A Traffic Plastic Drum	EA	x	= \$	-
839603A Temporary Crash Cushion (ADIEM)	EA	x	= \$	-
XXXXXX Some Item				
Subtotal Stage Construction and Traffic Handling				\$ 31,860

TOTAL TRAFFIC ITEMS	\$ 34,700
----------------------------	------------------

SECTION 7: DETOURS

Include constructing, maintaining, and removal

Item code	Unit	Quantity	Unit Price (\$)	Cost
0713XX Temporary Fence (Type X)	LF	x	= \$	-
07XXXX Temporary Drainage	LS	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
1286XX Temporary Signals	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
190101 Roadway Excavation	CY	x	= \$	-
198001 Imported Borrow	CY	x	= \$	-
198050 Embankment	CY	x	= \$	-
250401 Class 4 Aggregate Subbase	CY	x	= \$	-
260201 Class 2 Aggregate Base	CY	x	= \$	-
390132 Hot Mix Asphalt (Type A)	TON	x	= \$	-
XXXXXX Some Item	LS	x	= \$	-

TOTAL DETOURS

\$

-

SUBTOTAL SECTIONS 1-7

\$

776,300

SECTION 8: MINOR ITEMS

8A - Americans with Disabilities Act Items

ADA Items

0.0%

\$

-

8B - Bike Path Items

Bike Path Items

0.0%

\$

-

8C - Other Minor Items

Other Minor Items

0.0%

\$

-

Total of Section 1-7

\$

776,300

x

0.0%

=

\$

-

TOTAL MINOR ITEMS

\$

-

SECTIONS 9: MOBILIZATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
999990 Total Section 1-8		\$ 776,300	x 10%	= \$ -

TOTAL MOBILIZATION

\$

-

SECTION 10: SUPPLEMENTAL WORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
066015 Federal Trainee Program	LS	x	= \$	-
066063 Traffic Management Plan - Public Informati	LS	x	= \$	-
066090 Maintain Traffic	LS	x	= \$	-
066094 Value Analysis	LS	x	= \$	-
066204 Remove Rock & Debris	LS	x	= \$	-
066222 Locate Existing Cross-Over	LS	x	= \$	-
066670 Payment Adjustments For Price Index Fluct	LS	x	= \$	-
066700 Partnering	LS	x	= \$	-
066866 Operation of Existing Traffic Management S	LS	x	= \$	-
066920 Dispute Review Board	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

Cost of NPDES Supplemental Work specified in Section 5C

=

\$

-

Total Section 1-8

\$

776,300

5%

=

\$

38,815

TOTAL SUPPLEMENTAL WORK

\$

38,900

PRELIMINARY
PROJECT COST ESTIMATE

SECTION 11: STATE FURNISHED MATERIALS AND EXPENSES

Item code	Unit	Quantity	Unit Price (\$)	Cost
066063 Public Information	LS	x	=	\$0
066105 RE Office	LS	x	=	\$0
066803 Padlocks	LS	x	=	\$0
066838 Reflective Numbers and Edge Sealer	LS	x	=	\$0
066901 Water Expenses	LS	x	=	\$0
066062A COZEEP Expenses	LS	x	=	\$0
06684X Ramp Meter Controller Assembly	LS	x	=	\$0
06684X TMS Controller Assembly	LS	x	=	\$0
06684X Traffic Signal Controller Assembly	LS	x	=	\$0
XXXXXX Some Item				

Total Section 1-8 \$ 776,300 0% = \$ -

TOTAL STATE FURNISHED	\$0
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SECTION 12: TIME-RELATED OVERHEAD

Estiamted Time-Releated Overhead (TRO) Percentage (0% to 10%) = 5%

Item code	Unit	Quantity	Unit Price (\$)	Cost
070018 Time-Related Overhead	WD	0	X #DIV/0! =	\$0

TOTAL TIME-RELATED OVERHEAD	\$0
------------------------------------	------------

SECTION 13: CONTINGENCY

(Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)

Total Section 1-11 \$ 815,200 x 10% = \$81,520

TOTAL CONTINGENCY	\$81,600
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II. STRUCTURE ITEMS

DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
-------------------------------	---------------	---------------	---------------

DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0.0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
-------------------------------	---------------	---------------	---------------

TOTAL COST OF BRIDGES	\$0.00
TOTAL COST OF BUILDINGS	\$0.00

TOTAL COST OF STRUCTURES¹	\$0.00
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Estimate Prepared By: _____
XXXXXXXXXXXXXXXXXXXX ----- Division of Structures

_____ Date

¹Structure's Estimate includes Overhead and Mobilization.
Add more sheets if needed. Call them 9a, 9b, 9c, ..., etc

III. RIGHT OF WAY

Fill in all of the available information from the Right of Way data sheet.

A)	A1)	Acquisition, including Excess Land Purchases, Damages & Goodwill,	\$	0
	A2)	SB-1210	\$	0
B)		Acquisition of Offsite Mitigation	\$	0
C)	C1)	Utility Relocation (State Share)	\$	0
	C2)	Potholing (Design Phase)	\$	0
D)		Railroad Acquisition	\$	0
E)		Clearance / Demolition	\$	0
F)		Relocation Assistance (RAP and/or Last Resort Housing Costs)	\$	0
G)		Title and Escrow	\$	0
H)		Environmental Review	\$	0
I)		Condemnation Settlements	0%	0
		(Items G & H applied to items A + B)		
J)		Design Appreciation Factor	0%	0
K)		Utility Relocation (Construction Cost)	\$	0

L)

TOTAL RIGHT OF WAY ESTIMATE	\$0
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(Excluding Item #8 - Hazardous Waste)

M)

TOTAL R/W ESTIMATE: Escalated	\$0
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N)

Right of Way Support	\$	0
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Support Cost
Estimate Prepared By _____ Project Coordinator¹ _____ Phone _____

Utility Estimate
Prepared By _____ Utiliy Coordinator² _____ Phone _____

R/W Acquisition
Estimate Prepared By _____ Right of Way Estimator³ _____ Phone _____

¹ When estimate has Support Costs only ² When estimate has Utility Relocation

³ When R/W Acquisition is required

DO NOT PRINT THIS SHEET AS PART OF COST ESTIMATE ATTACHMENT TO PROJECT INITIATION OR APPROVAL DOCUMENTS.

IV. SUPPORT COST ESTIMATE SUMMARY

Please obtain a P3 report (CL#3) from PPM to fill in the support cost for these categories.

SB-45 CATEGORY SUPPORT COST	PREVIOUS	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FUTURE	P3 Total	Support Ratio
PR/ED (PD,PE,PM)											\$ -	0.00%
PS&E (PS)											\$ -	0.00%
R/W (RW)											\$ -	0.00%
CONSTRUCTION (CM)											\$ -	0.00%
Total Support Cost:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	0.00%

Note: It is assumed that the Support Costs are already escalated by Programming to the year of expenditure. Use project Programming Sheet data.

Total Capital Cost:	\$897,000
Total Capital Outlay Support Cost:	\$0
Overall Percent Support Cost:	0.00%

V. ESCALATED CONSTRUCTION COST ESTIMATE SUMMARY

Note: Right of way escalated cost are accounted for on sheet 10 of 11.

	Month	/	Year
Date of Estimate (Month/Year)	10	/	2015
Estimated Date of Construction Start (Month/Year)	0	/	0
Number of Working Days	0	WD	
Estimated Mid-Point of Construction (Month/Year)	0	/	0

YEAR	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE
FORECASTED ESCALATION											

ESCALATED CONSTRUCTION COSTS	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE	TOTAL ESCALATED COSTS
ROADWAY ITEMS	\$ 896,800	\$ 896,800	\$ 896,800	\$ 896,800	\$ 896,800	\$ 896,800	\$ 896,800	\$ 896,800	\$ 896,800	\$ 896,800	\$ 896,800	\$ 896,800
STRUCTURE ITEMS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SUBTOTAL	\$ 896,800	\$ 896,800	\$ 896,800	\$ 896,800	\$ 896,800	\$ 896,800	\$ 896,800	\$ 896,800	\$ 896,800	\$ 896,800	\$ 896,800	\$ 896,800

Approved by:

Project Control Engineer

Date

PRELIMINARY
PROJECT COST ESTIMATE
Sound Wall Cost Estimate

Project ID:

Type of Estimate : Sound Wall NB 2-1 (14' Wall)
Program Code :
Project Limits :
Description: SR41 N. Fresno Street to E. Clinton Ave
Scope :
Alternative :

	Current Cost	Escalated Cost
ROADWAY ITEMS	\$ 991,800	\$ 991,800
STRUCTURE ITEMS	\$ -	\$ -
SUBTOTAL CONSTRUCTION COST	\$ 991,800	\$ 991,800
RIGHT OF WAY	\$ -	\$ -
TOTAL CAPITAL OUTLAY COST	\$ 992,000	\$ 992,000
PR/ED SUPPORT	\$ -	\$ -
PS&E SUPPORT	\$ -	\$ -
RIGHT OF WAY SUPPORT	\$ -	\$ -
CONSTRUCTION SUPPORT	\$ -	\$ -
TOTAL CAPITAL OUTLAY SUPPORT COST*	\$ -	\$ -
TOTAL PROJECT COST	\$ 995,000	\$ 995,000

If Project has been programmed enter Programmed Amount \$ -

Date of Estimate (Month/Year) Month / Year
10 / 2015
Estimated Date of Construction Start (Month/Year) /
Number of Working Days Working Days
Estimated Mid-Point of Construction (Month/Year) Month / Year
Number of Plant Establishment Days Days

Estimated Project Schedule

PID Approval
PA/ED Approval
PS&E
RTL
Begin Construction

Approved by Project
Manager

10/30/2015

(559) 374-3111

Project Manager

Date

Phone

I. ROADWAY ITEMS SUMMARY

Section		Cost
1	Earthwork	\$ 5,000
2	Pavement Structural Section	\$ -
3	Drainage	\$ -
4	Specialty Items	\$ 818,900
5	Environmental	\$ -
6	Traffic Items	\$ 34,700
7	Detours	\$ -
8	Minor Items	\$ -
9	Roadway Mobilization	\$ -
10	Supplemental Work	\$ 43,000
11	State Furnished	\$ -
12	Contingencies	\$ 90,200
13	Overhead	\$ -
TOTAL ROADWAY ITEMS		\$ 991,800

Estimate Prepared By	Melissa Blau - Design Engineer	10/29/2015	(559) 374-3107
	Name and Title	Date	Phone

Estimate Reviewed By	Edgar Noriega - Project Manager	10/30/2015	(559) 374-3111
	Name and Title	Date	Phone

By signing this estimate you are attesting that you have discussed your project with all functional units and have incorporated all their comments or have discussed with them why they will not be incorporated.

PRELIMINARY
PROJECT COST ESTIMATE

SECTION 1: EARTHWORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
160101 Clearing & Grubbing	LS	1	x 5,000.00	= \$ 5,000
170101 Develop Water Supply	LS		x	= \$ -
190101 Roadway Excavation	CY		x	= \$ -
190103 Roadway Excavation (Type Y) ADL	CY		x	= \$ -
190105 Roadway Excavation (Type Z-2) ADL	CY		x	= \$ -
192037 Structure Excavation (Retaining Wall)	CY		x	= \$ -
193013 Structure Backfill (Retaining Wall)	CY		x	= \$ -
193031 Pervious Backfill Material (Retaining Wall)	CY		x	= \$ -
194001 Ditch Excavation	CY		x	= \$ -
198001 Impored Borrow	CY		x	= \$ -
198007 Imported Material (Shoulder Backing)	TON		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL EARTHWORK SECTION ITEMS	\$ 5,000
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SECTION 2: PAVEMENT STRUCTURAL SECTION

Item code	Unit	Quantity	Unit Price (\$)	Cost
150771 Remove Asphalt Concrete Dike	LF		x	= \$ -
150860 Remove Base and Surfacing	CY		x	= \$ -
153103 Cold Plane Asphalt Concrete Pavement	SQYD		x	= \$ -
1532XX Remove Concrete (type)	CY		x	= \$ -
250401 Class 4 Aggregate Subbase	CY		x	= \$ -
260201 Class 2 Aggregate Base	CY		x	= \$ -
290201 Asphalt Treated Permeable Base	CY		x	= \$ -
365001 Sand Cover	TON		x	= \$ -
374002 Asphaltic Emulsion (Fog Seal Coat)	TON		x	= \$ -
374492 Asphaltic Emulsion (Polymer Modified)	TON		x	= \$ -
3750XX Screenings (Type XX)	TON		x	= \$ -
377501 Slurry Seal	TON		x	= \$ -
390095 Replace Asphalt Concrete Surfacing	CY		x	= \$ -
390132 Hot Mix Asphalt (Type A)	TON		x	= \$ -
390136 Minor Hot Mix Asphalt	TON		x	= \$ -
390137 Rubberized Hot Mix Asphalt (Gap Graded)	TON		x	= \$ -
393003 Geosynthetic Pavement Interlayer	SQYD		x	= \$ -
39405X Shoulder Rumber Strip (HMA, Type XX Inden	STA		x	= \$ -
394071 Place Hot Mix Asphalt Dike	LF		x	= \$ -
394090 Place Hot Mix Asphalt (Misc. Area)	SQYD		x	= \$ -
397005 Tack Coat	TON		x	= \$ -
401000 Concrete Pavement	CY		x	= \$ -
401108 Replace Concrete Pavement (Rapid Strength	CY		x	= \$ -
404092 Seal Pavement Joint	LF		x	= \$ -
404094 Seal Longitudinal Isolation Joint	LF		x	= \$ -
413112A Repair Spalled Joints (Polyester Grout)	SQYD		x	= \$ -
413115 Seal Existing Concrete Pavement Joint	LF		x	= \$ -
420102 Groove Existing Concrete Pavement	SQYD		x	= \$ -
420201 Grind Existing Concrete Pavement	SQYD		x	= \$ -
731502 Minor Concrete (Misc. Const)	CY		x	= \$ -
731530 Minor Concrete (Textured Paving)	SQFT		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL STRUCTURAL SECTION ITEMS	\$ -
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SECTION 3: DRAINAGE

Item code	Unit	Quantity	Unit Price (\$)	Cost
150206 Abandon Culvert	LF	x	= \$	-
150805 Remove Culvert	LF	x	= \$	-
150820 Modify Inlet	EA	x	= \$	-
152430 Adjust Inlet	LF	x	= \$	-
155003 Cap Inlet	EA	x	= \$	-
193114 Sand Backfill	CY	x	= \$	-
510502 Minor Concrete (Minor Structure)	CY	x	= \$	-
510512 Minor Concrete (Box Culvert)	CY	x	= \$	-
62XXXX XXX" APC Pipe	LF	x	= \$	-
64XXXX XXX" Plastic Pipe	LF	x	= \$	-
65XXXX XXX" RCP Pipe	LF	x	= \$	-
66XXXX XXX" CSP Pipe	LF	x	= \$	-
68XXXX Edge Drain	LF	x	= \$	-
69XXXX XXX" Pipe Down drain	LF	x	= \$	-
70XXXX XXX" Pipe Inlet	LF	x	= \$	-
70XXXX XXX" Pipe Riser	LF	x	= \$	-
70XXXX XXX" Flared End Section	EA	x	= \$	-
703233 Grated Line Drain	LF	x	= \$	-
72XXXX Rock Slope Protection (Type and Method)	CY	x	= \$	-
721420 Concrete (Ditch Lining)	CY	x	= \$	-
721430 Concrete (Channel Lining)	CY	x	= \$	-
729010 Rock Slope Protection Fabric	SQYD	x	= \$	-
750001 Miscellaneous Iron and Steel	LB	x	= \$	-
XXXXXX Additional Drainage	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL DRAINAGE ITEMS	\$	-
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SECTION 4: SPECIALTY ITEMS

Item code	Unit	Quantity	Unit Price (\$)	Cost
070012 Progress Schedule (Critical Path Method)	LS	x	= \$	-
150662 Remove Metal Beam Guard Railing	LF	1,235	x 8.00	= \$ 9,880
150668 Remove Terminal Systems	EA	x	= \$	-
1532XX Remove Barrier (60)	LF	x	= \$	-
153250 Remove Sound Wall	SQFT	1,200	x 10.00	= \$ 12,000
190110 Lead Compliance Plan	LS	x	= \$	-
490601 CIDH Concrete Piling (16")	LF	800	x 45.00	= \$ 36,000
510060 Structural Concrete (Retaining Wall)	CY	x	= \$	-
510133 Class 2 Concrete (Retaining Wall)	CY	x	= \$	-
510524 Minor Concrete (Sound Wall)	CY	x	= \$	-
5110XX Architectural Treatment (Insert Type)	SQFT	x	= \$	-
511048 Apply Anti-Graffiti Coating	SQFT	x	= \$	-
5136XX Reinforced Concrete Crib Wall (Insert Type)	SQFT	x	= \$	-
518002 Sound Wall (Masonry Block)	SQFT	28,784	x 20.00	= \$ 575,680
520103 Bar Reinf. Steel (Retaining Wall)	LB	x	= \$	-
80XXXX Fence (Insert Type)	LF	x	= \$	-
832001 Metal Beam Guard Railing	LF	x	= \$	-
839310 Double Thrie Beam Barrier	LF	x	= \$	-
839521 Cable Railing	LF	x	= \$	-
83954X Transition Railing (Insert Type)	EA	x	= \$	-
8395XX Terminal System (Type CAT)	EA	x	= \$	-
8395XX Alternative Flared Terminal System	EA	x	= \$	-
8395XX End Anchor Assembly (Insert Type)	EA	x	= \$	-
839561 Rail Tensioning Assembly	EA	x	= \$	-
839XXX Crash Cushion (Insert Type)	EA	x	= \$	-
839701 Concrete Barrier (60)	LF	1,235	x 150.00	= \$ 185,250
XXXXXX Some Item		x	= \$	-

TOTAL SPECIALTY ITEMS	\$	818,900
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SECTION 5: ENVIRONMENTAL

5A - ENVIRONMENTAL MITIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
Biological Mitigation	LS	x	= \$	-
071325 TEMPORARY REINFORCED SILT FENCE	LF	x	= \$	-
071325 Temporary Fence (Type ESA)				
Subtotal Environmental				\$ -

5B - LANDSCAPE AND IRRIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
200001 Highway Planting	LS	x	= \$	-
20XXXX XXX" (Insert Type) Conduit (Use for	LF	x	= \$	-
20XXXX Extend XXX" (Insert Type) Conduit	LF	x	= \$	-
201700 Imported Topsoil	CY	x	= \$	-
2030XX Erosion Control (Type __)	SQYD	x	= \$	-
203021 Fiber Rolls	LF	x	= \$	-
203026 Move In/ Move Out (Erosion Control)	EA	x	= \$	-
204099 Plant Establishment Work	LS	x	= \$	-
204101 Extend Plant Establishment (X Years)	LS	x	= \$	-
208000 Irrigation System	LS	x	= \$	-
208304 Water Meter	EA	x	= \$	-
209801 Maintenance Vehicle Pullout	EA	x	= \$	-
XXXXXX Some Item				
Subtotal Landscape and Irrigation				\$ -

5C - NPDES

Item code	Unit	Quantity	Unit Price (\$)	Cost
074016 Construction Site Management	LS	x	= \$	-
074017 Prepare WPCP	LS	x	= \$	-
074019 Prepare SWPPP	LS	x	= \$	-
074023 Temporary Erosion Control	SQYD	x	= \$	-
074027 Temporary Erosion Control Blanket	SQYD	x	= \$	-
074028 Temporary Fiber Roll	LF	x	= \$	-
074032 Temporary Concrete Washout Facility	EA	x	= \$	-
074033 Temporary Construction Entrance	EA	x	= \$	-
074035 Temporary Check Dam	LF	x	= \$	-
074037 Move In/ Move Out (Temporary Erosion Control)	EA	x	= \$	-
074038 Temp. Drainage Inlet Protection	EA	x	= \$	-
074041 Street Sweeping	LS	x	= \$	-
074042 Temporary Concrete Washout (Portable)	LS	x	= \$	-
XXXXXX Some Item				

Supplemental Work for NPDES

(These costs are not accounted in total here but under Supplemental Work on sheet 7 of 11).

066595 Water Pollution Control Maintenance Sharing	LS	x	= \$	-
066596 Additional Water Pollution Control**	LS	x	= \$	-
066597 Storm Water Sampling and Analysis***	LS	x	= \$	-
XXXXXX Some Item				

Subtotal NPDES (Without Supplemental Work) \$ -

*Applies to all SWPPPs and those WPCPs with sediment control or soil stabilization BMPs.

**Applies to both SWPPPs and WPCP projects.

*** Applies only to project with SWPPPs.

TOTAL ENVIRONMENTAL	\$ -
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SECTION 6: TRAFFIC ITEMS

6A - Traffic Electrical

Item code	Unit	Quantity	Unit Price (\$)	Cost
150760 Remove Sign Structure	EA	x	= \$	-
151581 Reconstruct Sign Structure	EA	x	= \$	-
152641 Modify Sign Structure	EA	x	= \$	-
5602XX Furnish Sign Structure	LB	x	= \$	-
5602XX Install Sign Structure	LB	x	= \$	-
56XXXX XXX" CIDHC Pile (Sign Foundation)	LF	x	= \$	-
860090 Maintain Existing Traffic Management	LS	x	= \$	-
860810 Inductive Loop Detectors	EA	x	= \$	-
86055X Lighting & Sign Illumination	LS	x	= \$	-
8607XX Interconnection Facilities	LS	x	= \$	-
8609XX Traffic Monitoring Stations	LS	x	= \$	-
860XXX Signals & Lighting	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
86XXXX Fiber Optic Conduit System	LS	x	= \$	-
XXXXX Some Item				
Subtotal Traffic Electrical				\$ -

6B - Traffic Signing and Striping

Item code	Unit	Quantity	Unit Price (\$)	Cost
120090 Construction Area Signs	LS	1	x 2,750.00 = \$	2,750
150701 Remove Yellow Painted Traffic Stripe	LF	x	= \$	-
150710 Remove Traffic Stripe	LF	x	= \$	-
150713 Remove Pavement Marking	SQFT	x	= \$	-
150742 Remove Roadside Sign	EA	x	= \$	-
152320 Reset Roadside Sign	EA	x	= \$	-
152390 Relocate Roadside Sign	EA	x	= \$	-
566011 Roadside Sign (One Post)	EA	x	= \$	-
566012 Roadside Sign (Two Post)	EA	x	= \$	-
560XXX Furnish Sign Panels	SQFT	x	= \$	-
560XXX Install Sign Panels	SQFT	x	= \$	-
82010X Delineator (Class X)	EA	x	= \$	-
84XXXX Permanent Pavement Delineation	LS	x	= \$	-
Subtotal Traffic Signing and Striping				\$ 2,750

6C - Stage Construction and Traffic Handling

Item code	Unit	Quantity	Unit Price (\$)	Cost
120100 Traffic Control System	LS	1	x 30,000.00 = \$	30,000
120120 Type III Barricade	EA	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
12016X Channelizer	EA	62	x 30.00 = \$	1,860
128650 Portable Changeable Message Signs	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
129100 Temp. Crash Cushion Module	EA	x	= \$	-
129099A Traffic Plastic Drum	EA	x	= \$	-
839603A Temporary Crash Cushion (ADIEM)	EA	x	= \$	-
XXXXXX Some Item				
Subtotal Stage Construction and Traffic Handling				\$ 31,860

TOTAL TRAFFIC ITEMS	\$ 34,700
----------------------------	------------------

SECTION 7: DETOURS

Include constructing, maintaining, and removal

Item code	Unit	Quantity	Unit Price (\$)	Cost
0713XX Temporary Fence (Type X)	LF	x	= \$	-
07XXXX Temporary Drainage	LS	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
1286XX Temporary Signals	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
190101 Roadway Excavation	CY	x	= \$	-
198001 Imported Borrow	CY	x	= \$	-
198050 Embankment	CY	x	= \$	-
250401 Class 4 Aggregate Subbase	CY	x	= \$	-
260201 Class 2 Aggregate Base	CY	x	= \$	-
390132 Hot Mix Asphalt (Type A)	TON	x	= \$	-
XXXXXX Some Item	LS	x	= \$	-

TOTAL DETOURS	\$ -
----------------------	-------------

SUBTOTAL SECTIONS 1-7 \$ 858,600

SECTION 8: MINOR ITEMS

8A - Americans with Disabilities Act Items

ADA Items 0.0% \$ -

8B - Bike Path Items

Bike Path Items 0.0% \$ -

8C - Other Minor Items

Other Minor Items 0.0% \$ -

Total of Section 1-7 \$ 858,600 x 0.0% = \$ -

TOTAL MINOR ITEMS	\$ -
--------------------------	-------------

SECTIONS 9: MOBILIZATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
999990 Total Section 1-8	\$	858,600	x 10%	= \$ -

TOTAL MOBILIZATION	\$ -
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SECTION 10: SUPPLEMENTAL WORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
066015 Federal Trainee Program	LS	x	= \$	-
066063 Traffic Management Plan - Public Informati	LS	x	= \$	-
066090 Maintain Traffic	LS	x	= \$	-
066094 Value Analysis	LS	x	= \$	-
066204 Remove Rock & Debris	LS	x	= \$	-
066222 Locate Existing Cross-Over	LS	x	= \$	-
066670 Payment Adjustments For Price Index Fluct	LS	x	= \$	-
066700 Partnering	LS	x	= \$	-
066866 Operation of Existing Traffic Management S	LS	x	= \$	-
066920 Dispute Review Board	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

Cost of NPDES Supplemental Work specified in Section 5C = \$ -

Total Section 1-8 \$ 858,600 5% = \$ 42,930

TOTAL SUPPLEMENTAL WORK	\$ 43,000
--------------------------------	------------------

PRELIMINARY
PROJECT COST ESTIMATE

SECTION 11: STATE FURNISHED MATERIALS AND EXPENSES

Item code	Unit	Quantity	Unit Price (\$)	Cost
066063 Public Information	LS	x	=	\$0
066105 RE Office	LS	x	=	\$0
066803 Padlocks	LS	x	=	\$0
066838 Reflective Numbers and Edge Sealer	LS	x	=	\$0
066901 Water Expenses	LS	x	=	\$0
066062A COZEEP Expenses	LS	x	=	\$0
06684X Ramp Meter Controller Assembly	LS	x	=	\$0
06684X TMS Controller Assembly	LS	x	=	\$0
06684X Traffic Signal Controller Assembly	LS	x	=	\$0
XXXXXX Some Item				

Total Section 1-8 \$ 858,600 0% = \$ -

TOTAL STATE FURNISHED	\$0
------------------------------	------------

SECTION 12: TIME-RELATED OVERHEAD

Estiamted Time-Releated Overhead (TRO) Percentage (0% to 10%) = 5%

Item code	Unit	Quantity	Unit Price (\$)	Cost
070018 Time-Related Overhead	WD	0	X #DIV/0! =	\$0

TOTAL TIME-RELATED OVERHEAD	\$0
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SECTION 13: CONTINGENCY

(Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)

Total Section 1-11 \$ 901,600 x 10% = \$90,160

TOTAL CONTINGENCY	\$90,200
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II. STRUCTURE ITEMS

DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
-------------------------------	---------------	---------------	---------------

DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0.0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
-------------------------------	---------------	---------------	---------------

TOTAL COST OF BRIDGES	\$0.00
TOTAL COST OF BUILDINGS	\$0.00

TOTAL COST OF STRUCTURES¹	\$0.00
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Estimate Prepared By: _____
XXXXXXXXXXXXXXXXXXXX ----- Division of Structures

_____ Date

¹Structure's Estimate includes Overhead and Mobilization.
Add more sheets if needed. Call them 9a, 9b, 9c, ..., etc

III. RIGHT OF WAY

Fill in all of the available information from the Right of Way data sheet.

A)	A1) Acquisition, including Excess Land Purchases, Damages & Goodwill,	\$	0
	A2) SB-1210	\$	0
B)	Acquisition of Offsite Mitigation	\$	0
C)	C1) Utility Relocation (State Share)	\$	0
	C2) Potholing (Design Phase)	\$	0
D)	Railroad Acquisition	\$	0
E)	Clearance / Demolition	\$	0
F)	Relocation Assistance (RAP and/or Last Resort Housing Costs)	\$	0
G)	Title and Escrow	\$	0
H)	Environmental Review	\$	0
I)	Condemnation Settlements <u>0%</u> (Items G & H applied to items A + B)	\$	0
J)	Design Appreciation Factor 0%	\$	0
K)	Utility Relocation (Construction Cost)	\$	0

L) **TOTAL RIGHT OF WAY ESTIMATE** **\$0**
(Excluding Item #8 - Hazardous Waste)

M) **TOTAL R/W ESTIMATE: Escalated** **\$0**

N) **Right of Way Support** **\$ 0**

Support Cost		
Estimate Prepared By	Project Coordinator ¹	Phone
Utility Estimate		
Prepared By	Utility Coordinator ²	Phone
R/W Acquisition		
Estimate Prepared By	Right of Way Estimator ³	Phone

¹ When estimate has Support Costs only ² When estimate has Utility Relocation

³ When R/W Acquisition is required

DO NOT PRINT THIS SHEET AS PART OF COST ESTIMATE ATTACHMENT TO PROJECT INITIATION OR APPROVAL DOCUMENTS.

IV. SUPPORT COST ESTIMATE SUMMARY

Please obtain a P3 report (CL#3) from PPM to fill in the support cost for these categories.

SB-45 CATEGORY SUPPORT COST	PREVIOUS	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FUTURE	P3 Total	Support Ratio
PR/ED (PD,PE,PM)											\$ -	0.00%
PS&E (PS)											\$ -	0.00%
R/W (RW)											\$ -	0.00%
CONSTRUCTION (CM)											\$ -	0.00%
Total Support Cost:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	0.00%

Note: It is assumed that the Support Costs are already escalated by Programming to the year of expenditure. Use project Programming Sheet data.

Total Capital Cost:	\$992,000
Total Capital Outlay Support Cost:	\$0
Overall Percent Support Cost:	0.00%

V. ESCALATED CONSTRUCTION COST ESTIMATE SUMMARY

Note: Right of way escalated cost are accounted for on sheet 10 of 11.

	Month	/	Year
Date of Estimate (Month/Year)	10	/	2015
Estimated Date of Construction Start (Month/Year)	0	/	0
Number of Working Days	0	WD	
Estimated Mid-Point of Construction (Month/Year)	0	/	0

YEAR	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE
FORECASTED ESCALATION											

ESCALATED CONSTRUCTION COSTS	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE	TOTAL ESCALATED COSTS
ROADWAY ITEMS	\$ 991,800	\$ 991,800	\$ 991,800	\$ 991,800	\$ 991,800	\$ 991,800	\$ 991,800	\$ 991,800	\$ 991,800	\$ 991,800	\$ 991,800	\$ 991,800
STRUCTURE ITEMS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SUBTOTAL	\$ 991,800	\$ 991,800	\$ 991,800	\$ 991,800	\$ 991,800	\$ 991,800	\$ 991,800	\$ 991,800	\$ 991,800	\$ 991,800	\$ 991,800	\$ 991,800

Approved by:

Project Control Engineer

Date

PRELIMINARY
PROJECT COST ESTIMATE
Sound Wall Cost Estimate

Project ID:

Type of Estimate : Sound Wall NB 2-1 (16' Wall)
Program Code :
Project Limits :
Description: SR41 N. Fresno Street to E. Clinton Ave
Scope :
Alternative :

	Current Cost	Escalated Cost
ROADWAY ITEMS	\$ 1,086,700	\$ 1,086,700
STRUCTURE ITEMS	\$ -	\$ -
SUBTOTAL CONSTRUCTION COST	\$ 1,086,700	\$ 1,086,700
RIGHT OF WAY	\$ -	\$ -
TOTAL CAPITAL OUTLAY COST	\$ 1,087,000	\$ 1,087,000
PR/ED SUPPORT	\$ -	\$ -
PS&E SUPPORT	\$ -	\$ -
RIGHT OF WAY SUPPORT	\$ -	\$ -
CONSTRUCTION SUPPORT	\$ -	\$ -
TOTAL CAPITAL OUTLAY SUPPORT COST*	\$ -	\$ -
TOTAL PROJECT COST	\$ 1,100,000	\$ 1,100,000

If Project has been programmed enter Programmed Amount \$ -

Date of Estimate (Month/Year) Month / Year
10 / 2015
Estimated Date of Construction Start (Month/Year) /
Number of Working Days Working Days
Estimated Mid-Point of Construction (Month/Year) Month / Year
Number of Plant Establishment Days Days

Estimated Project Schedule

PID Approval
PA/ED Approval
PS&E
RTL
Begin Construction

Approved by Project
Manager

10/30/2015

(559) 374-3111

Project Manager

Date

Phone

I. ROADWAY ITEMS SUMMARY

Section		Cost
1	Earthwork	\$ 5,000
2	Pavement Structural Section	\$ -
3	Drainage	\$ -
4	Specialty Items	\$ 901,100
5	Environmental	\$ -
6	Traffic Items	\$ 34,700
7	Detours	\$ -
8	Minor Items	\$ -
9	Roadway Mobilization	\$ -
10	Supplemental Work	\$ 47,100
11	State Furnished	\$ -
12	Contingencies	\$ 98,800
13	Overhead	\$ -
TOTAL ROADWAY ITEMS		\$ 1,086,700

Estimate Prepared By	Melissa Blau - Design Engineer	10/29/2015	(559) 374-3107
	Name and Title	Date	Phone

Estimate Reviewed By	Edgar Noriega - Project Manager	10/30/2015	(559) 374-3111
	Name and Title	Date	Phone

By signing this estimate you are attesting that you have discussed your project with all functional units and have incorporated all their comments or have discussed with them why they will not be incorporated.

PRELIMINARY
PROJECT COST ESTIMATE

SECTION 1: EARTHWORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
160101 Clearing & Grubbing	LS	1	x 5,000.00	= \$ 5,000
170101 Develop Water Supply	LS		x	= \$ -
190101 Roadway Excavation	CY		x	= \$ -
190103 Roadway Excavation (Type Y) ADL	CY		x	= \$ -
190105 Roadway Excavation (Type Z-2) ADL	CY		x	= \$ -
192037 Structure Excavation (Retaining Wall)	CY		x	= \$ -
193013 Structure Backfill (Retaining Wall)	CY		x	= \$ -
193031 Pervious Backfill Material (Retaining Wall)	CY		x	= \$ -
194001 Ditch Excavation	CY		x	= \$ -
198001 Impored Borrow	CY		x	= \$ -
198007 Imported Material (Shoulder Backing)	TON		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL EARTHWORK SECTION ITEMS	\$ 5,000
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SECTION 2: PAVEMENT STRUCTURAL SECTION

Item code	Unit	Quantity	Unit Price (\$)	Cost
150771 Remove Asphalt Concrete Dike	LF		x	= \$ -
150860 Remove Base and Surfacing	CY		x	= \$ -
153103 Cold Plane Asphalt Concrete Pavement	SQYD		x	= \$ -
1532XX Remove Concrete (type)	CY		x	= \$ -
250401 Class 4 Aggregate Subbase	CY		x	= \$ -
260201 Class 2 Aggregate Base	CY		x	= \$ -
290201 Asphalt Treated Permeable Base	CY		x	= \$ -
365001 Sand Cover	TON		x	= \$ -
374002 Asphaltic Emulsion (Fog Seal Coat)	TON		x	= \$ -
374492 Asphaltic Emulsion (Polymer Modified)	TON		x	= \$ -
3750XX Screenings (Type XX)	TON		x	= \$ -
377501 Slurry Seal	TON		x	= \$ -
390095 Replace Asphalt Concrete Surfacing	CY		x	= \$ -
390132 Hot Mix Asphalt (Type A)	TON		x	= \$ -
390136 Minor Hot Mix Asphalt	TON		x	= \$ -
390137 Rubberized Hot Mix Asphalt (Gap Graded)	TON		x	= \$ -
393003 Geosynthetic Pavement Interlayer	SQYD		x	= \$ -
39405X Shoulder Rumber Strip (HMA, Type XX Inden	STA		x	= \$ -
394071 Place Hot Mix Asphalt Dike	LF		x	= \$ -
394090 Place Hot Mix Asphalt (Misc. Area)	SQYD		x	= \$ -
397005 Tack Coat	TON		x	= \$ -
401000 Concrete Pavement	CY		x	= \$ -
401108 Replace Concrete Pavement (Rapid Strength	CY		x	= \$ -
404092 Seal Pavement Joint	LF		x	= \$ -
404094 Seal Longitudinal Isolation Joint	LF		x	= \$ -
413112A Repair Spalled Joints (Polyester Grout)	SQYD		x	= \$ -
413115 Seal Existing Concrete Pavement Joint	LF		x	= \$ -
420102 Groove Existing Concrete Pavement	SQYD		x	= \$ -
420201 Grind Existing Concrete Pavement	SQYD		x	= \$ -
731502 Minor Concrete (Misc. Const)	CY		x	= \$ -
731530 Minor Concrete (Textured Paving)	SQFT		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL STRUCTURAL SECTION ITEMS	\$ -
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SECTION 3: DRAINAGE

Item code	Unit	Quantity	Unit Price (\$)	Cost
150206 Abandon Culvert	LF	x	= \$	-
150805 Remove Culvert	LF	x	= \$	-
150820 Modify Inlet	EA	x	= \$	-
152430 Adjust Inlet	LF	x	= \$	-
155003 Cap Inlet	EA	x	= \$	-
193114 Sand Backfill	CY	x	= \$	-
510502 Minor Concrete (Minor Structure)	CY	x	= \$	-
510512 Minor Concrete (Box Culvert)	CY	x	= \$	-
62XXXX XXX" APC Pipe	LF	x	= \$	-
64XXXX XXX" Plastic Pipe	LF	x	= \$	-
65XXXX XXX" RCP Pipe	LF	x	= \$	-
66XXXX XXX" CSP Pipe	LF	x	= \$	-
68XXXX Edge Drain	LF	x	= \$	-
69XXXX XXX" Pipe Downdrain	LF	x	= \$	-
70XXXX XXX" Pipe Inlet	LF	x	= \$	-
70XXXX XXX" Pipe Riser	LF	x	= \$	-
70XXXX XXX" Flared End Section	EA	x	= \$	-
703233 Grated Line Drain	LF	x	= \$	-
72XXXX Rock Slope Protection (Type and Method)	CY	x	= \$	-
721420 Concrete (Ditch Lining)	CY	x	= \$	-
721430 Concrete (Channel Lining)	CY	x	= \$	-
729010 Rock Slope Protection Fabric	SQYD	x	= \$	-
750001 Miscellaneous Iron and Steel	LB	x	= \$	-
XXXXXX Additional Drainage	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL DRAINAGE ITEMS	\$	-
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SECTION 4: SPECIALTY ITEMS

Item code	Unit	Quantity	Unit Price (\$)	Cost
070012 Progress Schedule (Critical Path Method)	LS	x	= \$	-
150662 Remove Metal Beam Guard Railing	LF	1,235	x 8.00 = \$	9,880
150668 Remove Terminal Systems	EA	x	= \$	-
1532XX Remove Barrier (60)	LF	x	= \$	-
153250 Remove Sound Wall	SQFT	1,200	x 10.00 = \$	12,000
190110 Lead Compliance Plan	LS	x	= \$	-
490601 CIDH Concrete Piling (16")	LF	800	x 45.00 = \$	36,000
510060 Structural Concrete (Retaining Wall)	CY	x	= \$	-
510133 Class 2 Concrete (Retaining Wall)	CY	x	= \$	-
510524 Minor Concrete (Sound Wall)	CY	x	= \$	-
5110XX Architectural Treatment (Insert Type)	SQFT	x	= \$	-
511048 Apply Anti-Graffiti Coating	SQFT	x	= \$	-
5136XX Reinforced Concrete Crib Wall (Insert Type)	SQFT	x	= \$	-
518002 Sound Wall (Masonry Block)	SQFT	32,896	x 20.00 = \$	657,920
520103 Bar Reinf. Steel (Retaining Wall)	LB	x	= \$	-
80XXXX Fence (Insert Type)	LF	x	= \$	-
832001 Metal Beam Guard Railing	LF	x	= \$	-
839310 Double Thrie Beam Barrier	LF	x	= \$	-
839521 Cable Railing	LF	x	= \$	-
83954X Transition Railing (Insert Type)	EA	x	= \$	-
8395XX Terminal System (Type CAT)	EA	x	= \$	-
8395XX Alternative Flared Terminal System	EA	x	= \$	-
8395XX End Anchor Assembly (Insert Type)	EA	x	= \$	-
839561 Rail Tensioning Assembly	EA	x	= \$	-
839XXX Crash Cushion (Insert Type)	EA	x	= \$	-
839701 Concrete Barrier (60)	LF	1,235	x 150.00 = \$	185,250
XXXXXX Some Item		x	= \$	-

TOTAL SPECIALTY ITEMS	\$	901,100
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SECTION 5: ENVIRONMENTAL

5A - ENVIRONMENTAL MITIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
Biological Mitigation	LS	x	= \$	-
071325 TEMPORARY REINFORCED SILT FENCE	LF	x	= \$	-
071325 Temporary Fence (Type ESA)				
Subtotal Environmental				\$ -

5B - LANDSCAPE AND IRRIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
200001 Highway Planting	LS	x	= \$	-
20XXXX XXX" (Insert Type) Conduit (Use for	LF	x	= \$	-
20XXXX Extend XXX" (Insert Type) Conduit	LF	x	= \$	-
201700 Imported Topsoil	CY	x	= \$	-
2030XX Erosion Control (Type __)	SQYD	x	= \$	-
203021 Fiber Rolls	LF	x	= \$	-
203026 Move In/ Move Out (Erosion Control)	EA	x	= \$	-
204099 Plant Establishment Work	LS	x	= \$	-
204101 Extend Plant Establishment (X Years)	LS	x	= \$	-
208000 Irrigation System	LS	x	= \$	-
208304 Water Meter	EA	x	= \$	-
209801 Maintenance Vehicle Pullout	EA	x	= \$	-
XXXXXX Some Item				
Subtotal Landscape and Irrigation				\$ -

5C - NPDES

Item code	Unit	Quantity	Unit Price (\$)	Cost
074016 Construction Site Management	LS	x	= \$	-
074017 Prepare WPCP	LS	x	= \$	-
074019 Prepare SWPPP	LS	x	= \$	-
074023 Temporary Erosion Control	SQYD	x	= \$	-
074027 Temporary Erosion Control Blanket	SQYD	x	= \$	-
074028 Temporary Fiber Roll	LF	x	= \$	-
074032 Temporary Concrete Washout Facility	EA	x	= \$	-
074033 Temporary Construction Entrance	EA	x	= \$	-
074035 Temporary Check Dam	LF	x	= \$	-
074037 Move In/ Move Out (Temporary Erosion Cont	EA	x	= \$	-
074038 Temp. Drainage Inlet Protection	EA	x	= \$	-
074041 Street Sweeping	LS	x	= \$	-
074042 Temporary Concrete Washout (Portable)	LS	x	= \$	-
XXXXXX Some Item				

Supplemental Work for NPDES

(These costs are not accounted in total here but under Supplemental Work on sheet 7 of 11).

066595 Water Pollution Control Maintenance Sharing	LS	x	= \$	-
066596 Additional Water Pollution Control**	LS	x	= \$	-
066597 Storm Water Sampling and Analysis***	LS	x	= \$	-
XXXXXX Some Item				

Subtotal NPDES (Without Supplemental Work) \$ -

*Applies to all SWPPPs and those WPCPs with sediment control or soil stabilization BMPs.

**Applies to both SWPPPs and WPCP projects.

*** Applies only to project with SWPPPs.

TOTAL ENVIRONMENTAL	\$ -
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SECTION 6: TRAFFIC ITEMS

6A - Traffic Electrical

Item code	Unit	Quantity	Unit Price (\$)	Cost
150760 Remove Sign Structure	EA	x	= \$	-
151581 Reconstruct Sign Structure	EA	x	= \$	-
152641 Modify Sign Structure	EA	x	= \$	-
5602XX Furnish Sign Structure	LB	x	= \$	-
5602XX Install Sign Structure	LB	x	= \$	-
56XXXX XXX" CIDHC Pile (Sign Foundation)	LF	x	= \$	-
860090 Maintain Existing Traffic Management	LS	x	= \$	-
860810 Inductive Loop Detectors	EA	x	= \$	-
86055X Lighting & Sign Illumination	LS	x	= \$	-
8607XX Interconnection Facilities	LS	x	= \$	-
8609XX Traffic Monitoring Stations	LS	x	= \$	-
860XXX Signals & Lighting	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
86XXXX Fiber Optic Conduit System	LS	x	= \$	-
XXXXX Some Item				
Subtotal Traffic Electrical				\$ -

6B - Traffic Signing and Striping

Item code	Unit	Quantity	Unit Price (\$)	Cost
120090 Construction Area Signs	LS	1	x 2,750.00 = \$	2,750
150701 Remove Yellow Painted Traffic Stripe	LF	x	= \$	-
150710 Remove Traffic Stripe	LF	x	= \$	-
150713 Remove Pavement Marking	SQFT	x	= \$	-
150742 Remove Roadside Sign	EA	x	= \$	-
152320 Reset Roadside Sign	EA	x	= \$	-
152390 Relocate Roadside Sign	EA	x	= \$	-
566011 Roadside Sign (One Post)	EA	x	= \$	-
566012 Roadside Sign (Two Post)	EA	x	= \$	-
560XXX Furnish Sign Panels	SQFT	x	= \$	-
560XXX Install Sign Panels	SQFT	x	= \$	-
82010X Delineator (Class X)	EA	x	= \$	-
84XXXX Permanent Pavement Delineation	LS	x	= \$	-
Subtotal Traffic Signing and Striping				\$ 2,750

6C - Stage Construction and Traffic Handling

Item code	Unit	Quantity	Unit Price (\$)	Cost
120100 Traffic Control System	LS	1	x 30,000.00 = \$	30,000
120120 Type III Barricade	EA	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
12016X Channelizer	EA	62	x 30.00 = \$	1,860
128650 Portable Changeable Message Signs	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
129100 Temp. Crash Cushion Module	EA	x	= \$	-
129099A Traffic Plastic Drum	EA	x	= \$	-
839603A Temporary Crash Cushion (ADIEM)	EA	x	= \$	-
XXXXXX Some Item				
Subtotal Stage Construction and Traffic Handling				\$ 31,860

TOTAL TRAFFIC ITEMS	\$ 34,700
----------------------------	------------------

SECTION 7: DETOURS

Include constructing, maintaining, and removal

Item code	Unit	Quantity	Unit Price (\$)	Cost
0713XX Temporary Fence (Type X)	LF	x	= \$	-
07XXXX Temporary Drainage	LS	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
1286XX Temporary Signals	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
190101 Roadway Excavation	CY	x	= \$	-
198001 Imported Borrow	CY	x	= \$	-
198050 Embankment	CY	x	= \$	-
250401 Class 4 Aggregate Subbase	CY	x	= \$	-
260201 Class 2 Aggregate Base	CY	x	= \$	-
390132 Hot Mix Asphalt (Type A)	TON	x	= \$	-
XXXXXX Some Item	LS	x	= \$	-

TOTAL DETOURS	\$	-
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SUBTOTAL SECTIONS 1-7 \$ 940,800

SECTION 8: MINOR ITEMS

8A - Americans with Disabilities Act Items

ADA Items 0.0% \$ -

8B - Bike Path Items

Bike Path Items 0.0% \$ -

8C - Other Minor Items

Other Minor Items 0.0% \$ -

Total of Section 1-7 \$ 940,800 x 0.0% = \$ -

TOTAL MINOR ITEMS	\$	-
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SECTIONS 9: MOBILIZATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
999990 Total Section 1-8	\$	940,800	x 10%	= \$ -

TOTAL MOBILIZATION	\$	-
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SECTION 10: SUPPLEMENTAL WORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
066015 Federal Trainee Program	LS	x	= \$	-
066063 Traffic Management Plan - Public Informati	LS	x	= \$	-
066090 Maintain Traffic	LS	x	= \$	-
066094 Value Analysis	LS	x	= \$	-
066204 Remove Rock & Debris	LS	x	= \$	-
066222 Locate Existing Cross-Over	LS	x	= \$	-
066670 Payment Adjustments For Price Index Fluct	LS	x	= \$	-
066700 Partnering	LS	x	= \$	-
066866 Operation of Existing Traffic Management S	LS	x	= \$	-
066920 Dispute Review Board	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

Cost of NPDES Supplemental Work specified in Section 5C = \$ -

Total Section 1-8 \$ 940,800 5% = \$ 47,040

TOTAL SUPPLEMENTAL WORK	\$	47,100
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PRELIMINARY
PROJECT COST ESTIMATE

SECTION 11: STATE FURNISHED MATERIALS AND EXPENSES

Item code	Unit	Quantity	Unit Price (\$)	Cost
066063 Public Information	LS	x	=	\$0
066105 RE Office	LS	x	=	\$0
066803 Padlocks	LS	x	=	\$0
066838 Reflective Numbers and Edge Sealer	LS	x	=	\$0
066901 Water Expenses	LS	x	=	\$0
066062A COZEEP Expenses	LS	x	=	\$0
06684X Ramp Meter Controller Assembly	LS	x	=	\$0
06684X TMS Controller Assembly	LS	x	=	\$0
06684X Traffic Signal Controller Assembly	LS	x	=	\$0
XXXXXX Some Item				

Total Section 1-8 \$ 940,800 0% = \$ -

TOTAL STATE FURNISHED	\$0
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SECTION 12: TIME-RELATED OVERHEAD

Estiamted Time-Releated Overhead (TRO) Percentage (0% to 10%) = 5%

Item code	Unit	Quantity	Unit Price (\$)	Cost
070018 Time-Related Overhead	WD	0	X #DIV/0! =	\$0

TOTAL TIME-RELATED OVERHEAD	\$0
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SECTION 13: CONTINGENCY

(Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)

Total Section 1-11 \$ 987,900 x 10% = \$98,790

TOTAL CONTINGENCY	\$98,800
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II. STRUCTURE ITEMS

DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
-------------------------------	---------------	---------------	---------------

DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0.0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
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TOTAL COST OF BRIDGES	\$0.00
TOTAL COST OF BUILDINGS	\$0.00

TOTAL COST OF STRUCTURES¹	\$0.00
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Estimate Prepared By: _____
XXXXXXXXXXXXXXXXXXXX ----- Division of Structures

_____ Date

¹Structure's Estimate includes Overhead and Mobilization.
Add more sheets if needed. Call them 9a, 9b, 9c, ..., etc

III. RIGHT OF WAY

Fill in all of the available information from the Right of Way data sheet.

A)	A1)	Acquisition, including Excess Land Purchases, Damages & Goodwill,	\$	0
	A2)	SB-1210	\$	0
B)		Acquisition of Offsite Mitigation	\$	0
C)	C1)	Utility Relocation (State Share)	\$	0
	C2)	Potholing (Design Phase)	\$	0
D)		Railroad Acquisition	\$	0
E)		Clearance / Demolition	\$	0
F)		Relocation Assistance (RAP and/or Last Resort Housing Costs)	\$	0
G)		Title and Escrow	\$	0
H)		Environmental Review	\$	0
I)		Condemnation Settlements	0%	0
		(Items G & H applied to items A + B)		
J)		Design Appreciation Factor	0%	0
K)		Utility Relocation (Construction Cost)	\$	0

L)

TOTAL RIGHT OF WAY ESTIMATE	\$0
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(Excluding Item #8 - Hazardous Waste)

M)

TOTAL R/W ESTIMATE: Escalated	\$0
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N)

Right of Way Support	\$	0
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Support Cost		
Estimate Prepared By	Project Coordinator ¹	Phone
Utility Estimate		
Prepared By	Utility Coordinator ²	Phone
R/W Acquisition		
Estimate Prepared By	Right of Way Estimator ³	Phone

¹ When estimate has Support Costs only ² When estimate has Utility Relocation

³ When R/W Acquisition is required

DO NOT PRINT THIS SHEET AS PART OF COST ESTIMATE ATTACHMENT TO PROJECT INITIATION OR APPROVAL DOCUMENTS.

IV. SUPPORT COST ESTIMATE SUMMARY

Please obtain a P3 report (CL#3) from PPM to fill in the support cost for these categories.

SB-45 CATEGORY SUPPORT COST	PREVIOUS	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FUTURE	P3 Total	Support Ratio
PR/ED (PD,PE,PM)											\$ -	0.00%
PS&E (PS)											\$ -	0.00%
R/W (RW)											\$ -	0.00%
CONSTRUCTION (CM)											\$ -	0.00%
Total Support Cost:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	0.00%

Note: It is assumed that the Support Costs are already escalated by Programming to the year of expenditure. Use project Programming Sheet data.

Total Capital Cost:	\$1,087,000
Total Capital Outlay Support Cost:	\$0
Overall Percent Support Cost:	0.00%

V. ESCALATED CONSTRUCTION COST ESTIMATE SUMMARY

Note: Right of way escalated cost are accounted for on sheet 10 of 11.

	Month	/	Year
Date of Estimate (Month/Year)	10	/	2015
Estimated Date of Construction Start (Month/Year)	0	/	0
Number of Working Days	0	WD	
Estimated Mid-Point of Construction (Month/Year)	0	/	0

YEAR	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE
FORECASTED ESCALATION											

ESCALATED CONSTRUCTION COSTS	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE	TOTAL ESCALATED COSTS
ROADWAY ITEMS	\$ 1,086,700	\$ 1,086,700	\$ 1,086,700	\$ 1,086,700	\$ 1,086,700	\$ 1,086,700	\$ 1,086,700	\$ 1,086,700	\$ 1,086,700	\$ 1,086,700	\$ 1,086,700	\$ 1,086,700
STRUCTURE ITEMS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SUBTOTAL	\$ 1,086,700	\$ 1,086,700	\$ 1,086,700	\$ 1,086,700	\$ 1,086,700	\$ 1,086,700	\$ 1,086,700	\$ 1,086,700	\$ 1,086,700	\$ 1,086,700	\$ 1,086,700	\$ 1,086,700

Approved by:

Project Control Engineer

Date

PRELIMINARY
PROJECT COST ESTIMATE
Sound Wall Cost Estimate

Project ID:

Type of Estimate : Sound Wall NB 4-1 (10' Wall)
Program Code :
Project Limits :
Description: SR41 NB Onramp E. Weldon Ave to E. Clinton Ave
Scope :
Alternative :

	Current Cost	Escalated Cost
ROADWAY ITEMS	\$ 444,000	\$ 444,000
STRUCTURE ITEMS	\$ -	\$ -
SUBTOTAL CONSTRUCTION COST	\$ 444,000	\$ 444,000
RIGHT OF WAY	\$ -	\$ -
TOTAL CAPITAL OUTLAY COST	\$ 444,000	\$ 444,000
PR/ED SUPPORT	\$ -	\$ -
PS&E SUPPORT	\$ -	\$ -
RIGHT OF WAY SUPPORT	\$ -	\$ -
CONSTRUCTION SUPPORT	\$ -	\$ -
TOTAL CAPITAL OUTLAY SUPPORT COST*	\$ -	\$ -
TOTAL PROJECT COST	\$ 445,000	\$ 445,000

If Project has been programmed enter Programmed Amount \$ -

Date of Estimate (Month/Year) Month / Year
10 / 2015
Estimated Date of Construction Start (Month/Year) /
Number of Working Days Working Days
Estimated Mid-Point of Construction (Month/Year) Month / Year
Number of Plant Establishment Days Days

Estimated Project Schedule

PID Approval
PA/ED Approval
PS&E
RTL
Begin Construction

Approved by Project
Manager

10/30/2015

(559) 374-3111

Project Manager

Date

Phone

I. ROADWAY ITEMS SUMMARY

Section		Cost
1	Earthwork	\$ 10,000
2	Pavement Structural Section	\$ -
3	Drainage	\$ -
4	Specialty Items	\$ 346,000
5	Environmental	\$ 28,300
6	Traffic Items	\$ -
7	Detours	\$ -
8	Minor Items	\$ -
9	Roadway Mobilization	\$ -
10	Supplemental Work	\$ 19,300
11	State Furnished	\$ -
12	Contingencies	\$ 40,400
13	Overhead	\$ -
TOTAL ROADWAY ITEMS		\$ 444,000

Estimate Prepared By	Melissa Blau - Design Engineer	10/29/2015	(559) 374-3107
	Name and Title	Date	Phone

Estimate Reviewed By	Edgar Noriega - Project Manager	10/30/2015	(559) 374-3111
	Name and Title	Date	Phone

By signing this estimate you are attesting that you have discussed your project with all functional units and have incorporated all their comments or have discussed with them why they will not be incorporated.

PRELIMINARY
PROJECT COST ESTIMATE

SECTION 1: EARTHWORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
160101 Clearing & Grubbing	LS	1	x 10,000.00	= \$ 10,000
170101 Develop Water Supply	LS		x	= \$ -
190101 Roadway Excavation	CY		x	= \$ -
190103 Roadway Excavation (Type Y) ADL	CY		x	= \$ -
190105 Roadway Excavation (Type Z-2) ADL	CY		x	= \$ -
192037 Structure Excavation (Retaining Wall)	CY		x	= \$ -
193013 Structure Backfill (Retaining Wall)	CY		x	= \$ -
193031 Pervious Backfill Material (Retaining Wall)	CY		x	= \$ -
194001 Ditch Excavation	CY		x	= \$ -
198001 Impored Borrow	CY		x	= \$ -
198007 Imported Material (Shoulder Backing)	TON		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL EARTHWORK SECTION ITEMS	\$ 10,000
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SECTION 2: PAVEMENT STRUCTURAL SECTION

Item code	Unit	Quantity	Unit Price (\$)	Cost
150771 Remove Asphalt Concrete Dike	LF		x	= \$ -
150860 Remove Base and Surfacing	CY		x	= \$ -
153103 Cold Plane Asphalt Concrete Pavement	SQYD		x	= \$ -
1532XX Remove Concrete (type)	CY		x	= \$ -
250401 Class 4 Aggregate Subbase	CY		x	= \$ -
260201 Class 2 Aggregate Base	CY		x	= \$ -
290201 Asphalt Treated Permeable Base	CY		x	= \$ -
365001 Sand Cover	TON		x	= \$ -
374002 Asphaltic Emulsion (Fog Seal Coat)	TON		x	= \$ -
374492 Asphaltic Emulsion (Polymer Modified)	TON		x	= \$ -
3750XX Screenings (Type XX)	TON		x	= \$ -
377501 Slurry Seal	TON		x	= \$ -
390095 Replace Asphalt Concrete Surfacing	CY		x	= \$ -
390132 Hot Mix Asphalt (Type A)	TON		x	= \$ -
390136 Minor Hot Mix Asphalt	TON		x	= \$ -
390137 Rubberized Hot Mix Asphalt (Gap Graded)	TON		x	= \$ -
393003 Geosynthetic Pavement Interlayer	SQYD		x	= \$ -
39405X Shoulder Rumber Strip (HMA, Type XX Inden	STA		x	= \$ -
394071 Place Hot Mix Asphalt Dike	LF		x	= \$ -
394090 Place Hot Mix Asphalt (Misc. Area)	SQYD		x	= \$ -
397005 Tack Coat	TON		x	= \$ -
401000 Concrete Pavement	CY		x	= \$ -
401108 Replace Concrete Pavement (Rapid Strength	CY		x	= \$ -
404092 Seal Pavement Joint	LF		x	= \$ -
404094 Seal Longitudinal Isolation Joint	LF		x	= \$ -
413112A Repair Spalled Joints (Polyester Grout)	SQYD		x	= \$ -
413115 Seal Existing Concrete Pavement Joint	LF		x	= \$ -
420102 Groove Existing Concrete Pavement	SQYD		x	= \$ -
420201 Grind Existing Concrete Pavement	SQYD		x	= \$ -
731502 Minor Concrete (Misc. Const)	CY		x	= \$ -
731530 Minor Concrete (Textured Paving)	SQFT		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL STRUCTURAL SECTION ITEMS	\$ -
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SECTION 3: DRAINAGE

Item code	Unit	Quantity	Unit Price (\$)	Cost
150206 Abandon Culvert	LF	x	= \$	-
150805 Remove Culvert	LF	x	= \$	-
150820 Modify Inlet	EA	x	= \$	-
152430 Adjust Inlet	LF	x	= \$	-
155003 Cap Inlet	EA	x	= \$	-
193114 Sand Backfill	CY	x	= \$	-
510502 Minor Concrete (Minor Structure)	CY	x	= \$	-
510512 Minor Concrete (Box Culvert)	CY	x	= \$	-
62XXXX XXX" APC Pipe	LF	x	= \$	-
64XXXX XXX" Plastic Pipe	LF	x	= \$	-
65XXXX XXX" RCP Pipe	LF	x	= \$	-
66XXXX XXX" CSP Pipe	LF	x	= \$	-
68XXXX Edge Drain	LF	x	= \$	-
69XXXX XXX" Pipe Downdrain	LF	x	= \$	-
70XXXX XXX" Pipe Inlet	LF	x	= \$	-
70XXXX XXX" Pipe Riser	LF	x	= \$	-
70XXXX XXX" Flared End Section	EA	x	= \$	-
703233 Grated Line Drain	LF	x	= \$	-
72XXXX Rock Slope Protection (Type and Method)	CY	x	= \$	-
721420 Concrete (Ditch Lining)	CY	x	= \$	-
721430 Concrete (Channel Lining)	CY	x	= \$	-
729010 Rock Slope Protection Fabric	SQYD	x	= \$	-
750001 Miscellaneous Iron and Steel	LB	x	= \$	-
XXXXXX Additional Drainage	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL DRAINAGE ITEMS	\$	-
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SECTION 4: SPECIALTY ITEMS

Item code	Unit	Quantity	Unit Price (\$)	Cost
070012 Progress Schedule (Critical Path Method)	LS	x	= \$	-
150662 Remove Metal Beam Guard Railing	LF	x	= \$	-
150668 Remove Terminal Systems	EA	x	= \$	-
1532XX Remove Barrier (60)	LF	x	= \$	-
153250 Remove Sound Wall	SQFT	x	= \$	-
190110 Lead Compliance Plan	LS	x	= \$	-
490601 CIDH Concrete Piling (16")	LF	1,412	x 45.00	= \$ 63,540
510060 Structural Concrete (Retaining Wall)	CY	x	= \$	-
510133 Class 2 Concrete (Retaining Wall)	CY	x	= \$	-
510524 Minor Concrete (Sound Wall)	CY	x	= \$	-
5110XX Architectural Treatment (Insert Type)	SQFT	x	= \$	-
511048 Apply Anti-Graffiti Coating	SQFT	x	= \$	-
5136XX Reinforced Concrete Crib Wall (Insert Type)	SQFT	x	= \$	-
518002 Sound Wall (Masonry Block)	SQFT	14,120	x 20.00	= \$ 282,400
520103 Bar Reinf. Steel (Retaining Wall)	LB	x	= \$	-
80XXXX Fence (Insert Type)	LF	x	= \$	-
832001 Metal Beam Guard Railing	LF	x	= \$	-
839310 Double Thrie Beam Barrier	LF	x	= \$	-
839521 Cable Railing	LF	x	= \$	-
83954X Transition Railing (Insert Type)	EA	x	= \$	-
8395XX Terminal System (Type CAT)	EA	x	= \$	-
8395XX Alternative Flared Terminal System	EA	x	= \$	-
8395XX End Anchor Assembly (Insert Type)	EA	x	= \$	-
839561 Rail Tensioning Assembly	EA	x	= \$	-
839XXX Crash Cushion (Insert Type)	EA	x	= \$	-
839701 Concrete Barrier (60)	LF	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL SPECIALTY ITEMS	\$	346,000
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SECTION 5: ENVIRONMENTAL

5A - ENVIRONMENTAL MITIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
Biological Mitigation	LS	x	= \$	-
071325 TEMPORARY REINFORCED SILT FENCE	LF	x	= \$	-
071325 Temporary Fence (Type ESA)				
Subtotal Environmental				\$ -

5B - LANDSCAPE AND IRRIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
200001 Highway Planting	LS	1	28,300.00	28,300
20XXXX XXX" (Insert Type) Conduit (Use for	LF	x	= \$	-
20XXXX Extend XXX" (Insert Type) Conduit	LF	x	= \$	-
201700 Imported Topsoil	CY	x	= \$	-
2030XX Erosion Control (Type __)	SQYD	x	= \$	-
203021 Fiber Rolls	LF	x	= \$	-
203026 Move In/ Move Out (Erosion Control)	EA	x	= \$	-
204099 Plant Establishment Work	LS	x	= \$	-
204101 Extend Plant Establishment (X Years)	LS	x	= \$	-
208000 Irrigation System	LS	x	= \$	-
208304 Water Meter	EA	x	= \$	-
209801 Maintenance Vehicle Pullout	EA	x	= \$	-
XXXXXX Some Item				
Subtotal Landscape and Irrigation				\$ 28,300

5C - NPDES

Item code	Unit	Quantity	Unit Price (\$)	Cost
074016 Construction Site Management	LS	x	= \$	-
074017 Prepare WPCP	LS	x	= \$	-
074019 Prepare SWPPP	LS	x	= \$	-
074023 Temporary Erosion Control	SQYD	x	= \$	-
074027 Temporary Erosion Control Blanket	SQYD	x	= \$	-
074028 Temporary Fiber Roll	LF	x	= \$	-
074032 Temporary Concrete Washout Facility	EA	x	= \$	-
074033 Temporary Construction Entrance	EA	x	= \$	-
074035 Temporary Check Dam	LF	x	= \$	-
074037 Move In/ Move Out (Temporary Erosion Control)	EA	x	= \$	-
074038 Temp. Drainage Inlet Protection	EA	x	= \$	-
074041 Street Sweeping	LS	x	= \$	-
074042 Temporary Concrete Washout (Portable)	LS	x	= \$	-
XXXXXX Some Item				

Supplemental Work for NPDES

(These costs are not accounted in total here but under Supplemental Work on sheet 7 of 11).

066595 Water Pollution Control Maintenance Sharing	LS	x	= \$	-
066596 Additional Water Pollution Control**	LS	x	= \$	-
066597 Storm Water Sampling and Analysis***	LS	x	= \$	-
XXXXXX Some Item				

Subtotal NPDES (Without Supplemental Work) \$ -

*Applies to all SWPPPs and those WPCPs with sediment control or soil stabilization BMPs.

**Applies to both SWPPPs and WPCP projects.

*** Applies only to project with SWPPPs.

TOTAL ENVIRONMENTAL	\$ 28,300
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SECTION 6: TRAFFIC ITEMS

6A - Traffic Electrical

Item code	Unit	Quantity	Unit Price (\$)	Cost
150760 Remove Sign Structure	EA	x	= \$	-
151581 Reconstruct Sign Structure	EA	x	= \$	-
152641 Modify Sign Structure	EA	x	= \$	-
5602XX Furnish Sign Structure	LB	x	= \$	-
5602XX Install Sign Structure	LB	x	= \$	-
56XXXX XXX" CIDHC Pile (Sign Foundation)	LF	x	= \$	-
860090 Maintain Existing Traffic Management	LS	x	= \$	-
860810 Inductive Loop Detectors	EA	x	= \$	-
86055X Lighting & Sign Illumination	LS	x	= \$	-
8607XX Interconnection Facilities	LS	x	= \$	-
8609XX Traffic Monitoring Stations	LS	x	= \$	-
860XXX Signals & Lighting	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
86XXXX Fiber Optic Conduit System	LS	x	= \$	-
XXXXX Some Item				
Subtotal Traffic Electrical				\$ -

6B - Traffic Signing and Striping

Item code	Unit	Quantity	Unit Price (\$)	Cost
120090 Construction Area Signs	LS	x	= \$	-
150701 Remove Yellow Painted Traffic Stripe	LF	x	= \$	-
150710 Remove Traffic Stripe	LF	x	= \$	-
150713 Remove Pavement Marking	SQFT	x	= \$	-
150742 Remove Roadside Sign	EA	x	= \$	-
152320 Reset Roadside Sign	EA	x	= \$	-
152390 Relocate Roadside Sign	EA	x	= \$	-
566011 Roadside Sign (One Post)	EA	x	= \$	-
566012 Roadside Sign (Two Post)	EA	x	= \$	-
560XXX Furnish Sign Panels	SQFT	x	= \$	-
560XXX Install Sign Panels	SQFT	x	= \$	-
82010X Delineator (Class X)	EA	x	= \$	-
84XXXX Permanent Pavement Delineation	LS	x	= \$	-
Subtotal Traffic Signing and Striping				\$ -

6C - Stage Construction and Traffic Handling

Item code	Unit	Quantity	Unit Price (\$)	Cost
120100 Traffic Control System	LS	x	= \$	-
120120 Type III Barricade	EA	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
12016X Channelizer	EA	x	= \$	-
128650 Portable Changeable Message Signs	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
129100 Temp. Crash Cushion Module	EA	x	= \$	-
129099A Traffic Plastic Drum	EA	x	= \$	-
839603A Temporary Crash Cushion (ADIEM)	EA	x	= \$	-
XXXXXX Some Item				
Subtotal Stage Construction and Traffic Handling				\$ -

TOTAL TRAFFIC ITEMS	\$ -
----------------------------	-------------

SECTION 7: DETOURS

Include constructing, maintaining, and removal

Item code	Unit	Quantity	Unit Price (\$)	Cost
0713XX Temporary Fence (Type X)	LF	x	= \$	-
07XXXX Temporary Drainage	LS	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
1286XX Temporary Signals	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
190101 Roadway Excavation	CY	x	= \$	-
198001 Imported Borrow	CY	x	= \$	-
198050 Embankment	CY	x	= \$	-
250401 Class 4 Aggregate Subbase	CY	x	= \$	-
260201 Class 2 Aggregate Base	CY	x	= \$	-
390132 Hot Mix Asphalt (Type A)	TON	x	= \$	-
XXXXXX Some Item	LS	x	= \$	-

TOTAL DETOURS	\$	-
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SUBTOTAL SECTIONS 1-7 \$ 384,300

SECTION 8: MINOR ITEMS

8A - Americans with Disabilities Act Items

ADA Items 0.0% \$ -

8B - Bike Path Items

Bike Path Items 0.0% \$ -

8C - Other Minor Items

Other Minor Items 0.0% \$ -

Total of Section 1-7 \$ 384,300 x 0.0% = \$ -

TOTAL MINOR ITEMS	\$	-
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SECTIONS 9: MOBILIZATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
999990 Total Section 1-8	\$	384,300	x 10%	= \$ -

TOTAL MOBILIZATION	\$	-
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SECTION 10: SUPPLEMENTAL WORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
066015 Federal Trainee Program	LS	x	= \$	-
066063 Traffic Management Plan - Public Informati	LS	x	= \$	-
066090 Maintain Traffic	LS	x	= \$	-
066094 Value Analysis	LS	x	= \$	-
066204 Remove Rock & Debris	LS	x	= \$	-
066222 Locate Existing Cross-Over	LS	x	= \$	-
066670 Payment Adjustments For Price Index Fluct	LS	x	= \$	-
066700 Partnering	LS	x	= \$	-
066866 Operation of Existing Traffic Management S	LS	x	= \$	-
066920 Dispute Review Board	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

Cost of NPDES Supplemental Work specified in Section 5C = \$ -

Total Section 1-8 \$ 384,300 5% = \$ 19,215

TOTAL SUPPLEMENTAL WORK	\$	19,300
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PRELIMINARY
PROJECT COST ESTIMATE

SECTION 11: STATE FURNISHED MATERIALS AND EXPENSES

Item code	Unit	Quantity	Unit Price (\$)	Cost
066063 Public Information	LS	x	=	\$0
066105 RE Office	LS	x	=	\$0
066803 Padlocks	LS	x	=	\$0
066838 Reflective Numbers and Edge Sealer	LS	x	=	\$0
066901 Water Expenses	LS	x	=	\$0
066062A COZEEP Expenses	LS	x	=	\$0
06684X Ramp Meter Controller Assembly	LS	x	=	\$0
06684X TMS Controller Assembly	LS	x	=	\$0
06684X Traffic Signal Controller Assembly	LS	x	=	\$0
XXXXXX Some Item				

Total Section 1-8 \$ 384,300 0% = \$ -

TOTAL STATE FURNISHED	\$0
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SECTION 12: TIME-RELATED OVERHEAD

Estiamted Time-Related Overhead (TRO) Percentage (0% to 10%) = 5%

Item code	Unit	Quantity	Unit Price (\$)	Cost
070018 Time-Related Overhead	WD	0	X #DIV/0! =	\$0

TOTAL TIME-RELATED OVERHEAD	\$0
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SECTION 13: CONTINGENCY

(Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)

Total Section 1-11 \$ 403,600 x 10% = \$40,360

TOTAL CONTINGENCY	\$40,400
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II. STRUCTURE ITEMS

DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
-------------------------------	---------------	---------------	---------------

DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0.00 SQFT	0.0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
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TOTAL COST OF BRIDGES	\$0.00
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TOTAL COST OF BUILDINGS	\$0.00
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TOTAL COST OF STRUCTURES¹	\$0.00
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Estimate Prepared By: _____
XXXXXXXXXXXXXXXXXXXX ----- Division of Structures

_____ Date

¹Structure's Estimate includes Overhead and Mobilization.
Add more sheets if needed. Call them 9a, 9b, 9c, ..., etc

PRELIMINARY
PROJECT COST ESTIMATE

III. RIGHT OF WAY

Fill in all of the available information from the Right of Way data sheet.

A)	A1)	Acquisition, including Excess Land Purchases, Damages & Goodwill,	\$	0
	A2)	SB-1210	\$	0
B)		Acquisition of Offsite Mitigation	\$	0
C)	C1)	Utility Relocation (State Share)	\$	0
	C2)	Potholing (Design Phase)	\$	0
D)		Railroad Acquisition	\$	0
E)		Clearance / Demolition	\$	0
F)		Relocation Assistance (RAP and/or Last Resort Housing Costs)	\$	0
G)		Title and Escrow	\$	0
H)		Environmental Review	\$	0
I)		Condemnation Settlements	0%	0
		(Items G & H applied to items A + B)		
J)		Design Appreciation Factor	0%	0
K)		Utility Relocation (Construction Cost)	\$	0

L)

TOTAL RIGHT OF WAY ESTIMATE	\$0
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(Excluding Item #8 - Hazardous Waste)

M)

TOTAL R/W ESTIMATE: Escalated	\$0
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N)

Right of Way Support	\$	0
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Support Cost		
Estimate Prepared By	Project Coordinator ¹	Phone
Utility Estimate		
Prepared By	Utility Coordinator ²	Phone
R/W Acquisition		
Estimate Prepared By	Right of Way Estimator ³	Phone

¹ When estimate has Support Costs only ² When estimate has Utility Relocation

³ When R/W Acquisition is required

DO NOT PRINT THIS SHEET AS PART OF COST ESTIMATE ATTACHMENT TO PROJECT INITIATION OR APPROVAL DOCUMENTS.

IV. SUPPORT COST ESTIMATE SUMMARY

Please obtain a P3 report (CL#3) from PPM to fill in the support cost for these categories.

SB-45 CATEGORY SUPPORT COST	PREVIOUS	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FUTURE	P3 Total	Support Ratio
PR/ED (PD,PE,PM)											\$ -	0.00%
PS&E (PS)											\$ -	0.00%
R/W (RW)											\$ -	0.00%
CONSTRUCTION (CM)											\$ -	0.00%
Total Support Cost:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	0.00%

Note: It is assumed that the Support Costs are already escalated by Programming to the year of expenditure. Use project Programming Sheet data.

Total Capital Cost:	\$444,000
Total Capital Outlay Support Cost:	\$0
Overall Percent Support Cost:	0.00%

V. ESCALATED CONSTRUCTION COST ESTIMATE SUMMARY

Note: Right of way escalated cost are accounted for on sheet 10 of 11.

	Month	/	Year
Date of Estimate (Month/Year)	10	/	2015
Estimated Date of Construction Start (Month/Year)	0	/	0
Number of Working Days	0	WD	
Estimated Mid-Point of Construction (Month/Year)	0	/	0

YEAR	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE
FORECASTED ESCALATION											

ESCALATED CONSTRUCTION COSTS	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE	TOTAL ESCALATED COSTS
ROADWAY ITEMS	\$ 444,000	\$ 444,000	\$ 444,000	\$ 444,000	\$ 444,000	\$ 444,000	\$ 444,000	\$ 444,000	\$ 444,000	\$ 444,000	\$ 444,000	\$ 444,000
STRUCTURE ITEMS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SUBTOTAL	\$ 444,000	\$ 444,000	\$ 444,000	\$ 444,000	\$ 444,000	\$ 444,000	\$ 444,000	\$ 444,000	\$ 444,000	\$ 444,000	\$ 444,000	\$ 444,000

Approved by:

Project Control Engineer

Date

PRELIMINARY
PROJECT COST ESTIMATE
Sound Wall Cost Estimate

Project ID:

Type of Estimate : Sound Wall NB 4-1 (12' Wall)
Program Code :
Project Limits :
Description: SR41 NB Onramp E. Weldon Ave to E. Clinton Ave
Scope :
Alternative :

	Current Cost	Escalated Cost
ROADWAY ITEMS	\$ 509,200	\$ 509,200
STRUCTURE ITEMS	\$ -	\$ -
SUBTOTAL CONSTRUCTION COST	\$ 509,200	\$ 509,200
RIGHT OF WAY	\$ -	\$ -
TOTAL CAPITAL OUTLAY COST	\$ 510,000	\$ 510,000
PR/ED SUPPORT	\$ -	\$ -
PS&E SUPPORT	\$ -	\$ -
RIGHT OF WAY SUPPORT	\$ -	\$ -
CONSTRUCTION SUPPORT	\$ -	\$ -
TOTAL CAPITAL OUTLAY SUPPORT COST*	\$ -	\$ -
TOTAL PROJECT COST	\$ 510,000	\$ 510,000

If Project has been programmed enter Programmed Amount \$ -

Month / Year
10 / 2015

Date of Estimate (Month/Year)

/

Estimated Date of Construction Start (Month/Year)

Working Days

Number of Working Days

Month / Year

Estimated Mid-Point of Construction (Month/Year)

Days

Number of Plant Establishment Days

Estimated Project Schedule
PID Approval
PA/ED Approval
PS&E
RTL
Begin Construction

Approved by Project
Manager

10/30/2015

(559) 374-3111

Project Manager

Date

Phone

I. ROADWAY ITEMS SUMMARY

Section		Cost
1	Earthwork	\$ 10,000
2	Pavement Structural Section	\$ -
3	Drainage	\$ -
4	Specialty Items	\$ 402,500
5	Environmental	\$ 28,300
6	Traffic Items	\$ -
7	Detours	\$ -
8	Minor Items	\$ -
9	Roadway Mobilization	\$ -
10	Supplemental Work	\$ 22,100
11	State Furnished	\$ -
12	Contingencies	\$ 46,300
13	Overhead	\$ -
TOTAL ROADWAY ITEMS		\$ 509,200

Estimate Prepared By	Melissa Blau - Design Engineer	10/29/2015	(559) 374-3107
	Name and Title	Date	Phone

Estimate Reviewed By	Edgar Noriega - Project Manager	10/30/2015	(559) 374-3111
	Name and Title	Date	Phone

By signing this estimate you are attesting that you have discussed your project with all functional units and have incorporated all their comments or have discussed with them why they will not be incorporated.

PRELIMINARY
PROJECT COST ESTIMATE

SECTION 1: EARTHWORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
160101 Clearing & Grubbing	LS	1	x 10,000.00	= \$ 10,000
170101 Develop Water Supply	LS		x	= \$ -
190101 Roadway Excavation	CY		x	= \$ -
190103 Roadway Excavation (Type Y) ADL	CY		x	= \$ -
190105 Roadway Excavation (Type Z-2) ADL	CY		x	= \$ -
192037 Structure Excavation (Retaining Wall)	CY		x	= \$ -
193013 Structure Backfill (Retaining Wall)	CY		x	= \$ -
193031 Pervious Backfill Material (Retaining Wall)	CY		x	= \$ -
194001 Ditch Excavation	CY		x	= \$ -
198001 Impored Borrow	CY		x	= \$ -
198007 Imported Material (Shoulder Backing)	TON		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL EARTHWORK SECTION ITEMS	\$ 10,000
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SECTION 2: PAVEMENT STRUCTURAL SECTION

Item code	Unit	Quantity	Unit Price (\$)	Cost
150771 Remove Asphalt Concrete Dike	LF		x	= \$ -
150860 Remove Base and Surfacing	CY		x	= \$ -
153103 Cold Plane Asphalt Concrete Pavement	SQYD		x	= \$ -
1532XX Remove Concrete (type)	CY		x	= \$ -
250401 Class 4 Aggregate Subbase	CY		x	= \$ -
260201 Class 2 Aggregate Base	CY		x	= \$ -
290201 Asphalt Treated Permeable Base	CY		x	= \$ -
365001 Sand Cover	TON		x	= \$ -
374002 Asphaltic Emulsion (Fog Seal Coat)	TON		x	= \$ -
374492 Asphaltic Emulsion (Polymer Modified)	TON		x	= \$ -
3750XX Screenings (Type XX)	TON		x	= \$ -
377501 Slurry Seal	TON		x	= \$ -
390095 Replace Asphalt Concrete Surfacing	CY		x	= \$ -
390132 Hot Mix Asphalt (Type A)	TON		x	= \$ -
390136 Minor Hot Mix Asphalt	TON		x	= \$ -
390137 Rubberized Hot Mix Asphalt (Gap Graded)	TON		x	= \$ -
393003 Geosynthetic Pavement Interlayer	SQYD		x	= \$ -
39405X Shoulder Rumber Strip (HMA, Type XX Inden	STA		x	= \$ -
394071 Place Hot Mix Asphalt Dike	LF		x	= \$ -
394090 Place Hot Mix Asphalt (Misc. Area)	SQYD		x	= \$ -
397005 Tack Coat	TON		x	= \$ -
401000 Concrete Pavement	CY		x	= \$ -
401108 Replace Concrete Pavement (Rapid Strength	CY		x	= \$ -
404092 Seal Pavement Joint	LF		x	= \$ -
404094 Seal Longitudinal Isolation Joint	LF		x	= \$ -
413112A Repair Spalled Joints (Polyester Grout)	SQYD		x	= \$ -
413115 Seal Existing Concrete Pavement Joint	LF		x	= \$ -
420102 Groove Existing Concrete Pavement	SQYD		x	= \$ -
420201 Grind Existing Concrete Pavement	SQYD		x	= \$ -
731502 Minor Concrete (Misc. Const)	CY		x	= \$ -
731530 Minor Concrete (Textured Paving)	SQFT		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL STRUCTURAL SECTION ITEMS	\$ -
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SECTION 3: DRAINAGE

Item code	Unit	Quantity	Unit Price (\$)	Cost
150206 Abandon Culvert	LF	x	= \$	-
150805 Remove Culvert	LF	x	= \$	-
150820 Modify Inlet	EA	x	= \$	-
152430 Adjust Inlet	LF	x	= \$	-
155003 Cap Inlet	EA	x	= \$	-
193114 Sand Backfill	CY	x	= \$	-
510502 Minor Concrete (Minor Structure)	CY	x	= \$	-
510512 Minor Concrete (Box Culvert)	CY	x	= \$	-
62XXXX XXX" APC Pipe	LF	x	= \$	-
64XXXX XXX" Plastic Pipe	LF	x	= \$	-
65XXXX XXX" RCP Pipe	LF	x	= \$	-
66XXXX XXX" CSP Pipe	LF	x	= \$	-
68XXXX Edge Drain	LF	x	= \$	-
69XXXX XXX" Pipe Downdrain	LF	x	= \$	-
70XXXX XXX" Pipe Inlet	LF	x	= \$	-
70XXXX XXX" Pipe Riser	LF	x	= \$	-
70XXXX XXX" Flared End Section	EA	x	= \$	-
703233 Grated Line Drain	LF	x	= \$	-
72XXXX Rock Slope Protection (Type and Method)	CY	x	= \$	-
721420 Concrete (Ditch Lining)	CY	x	= \$	-
721430 Concrete (Channel Lining)	CY	x	= \$	-
729010 Rock Slope Protection Fabric	SQYD	x	= \$	-
750001 Miscellaneous Iron and Steel	LB	x	= \$	-
XXXXXX Additional Drainage	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL DRAINAGE ITEMS	\$	-
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SECTION 4: SPECIALTY ITEMS

Item code	Unit	Quantity	Unit Price (\$)	Cost
070012 Progress Schedule (Critical Path Method)	LS	x	= \$	-
150662 Remove Metal Beam Guard Railing	LF	x	= \$	-
150668 Remove Terminal Systems	EA	x	= \$	-
1532XX Remove Barrier (60)	LF	x	= \$	-
153250 Remove Sound Wall	SQFT	1,412	45.00	63,540
190110 Lead Compliance Plan	LS	x	= \$	-
490601 CIDH Concrete Piling (16")	LF	x	= \$	-
510060 Structural Concrete (Retaining Wall)	CY	x	= \$	-
510133 Class 2 Concrete (Retaining Wall)	CY	x	= \$	-
510524 Minor Concrete (Sound Wall)	CY	x	= \$	-
5110XX Architectural Treatment (Insert Type)	SQFT	x	= \$	-
511048 Apply Anti-Graffiti Coating	SQFT	x	= \$	-
5136XX Reinforced Concrete Crib Wall (Insert Type)	SQFT	x	= \$	-
518002 Sound Wall (Masonry Block)	SQFT	16,944	20.00	338,880
520103 Bar Reinf. Steel (Retaining Wall)	LB	x	= \$	-
80XXXX Fence (Insert Type)	LF	x	= \$	-
832001 Metal Beam Guard Railing	LF	x	= \$	-
839310 Double Thrie Beam Barrier	LF	x	= \$	-
839521 Cable Railing	LF	x	= \$	-
83954X Transition Railing (Insert Type)	EA	x	= \$	-
8395XX Terminal System (Type CAT)	EA	x	= \$	-
8395XX Alternative Flared Terminal System	EA	x	= \$	-
8395XX End Anchor Assembly (Insert Type)	EA	x	= \$	-
839561 Rail Tensioning Assembly	EA	x	= \$	-
839XXX Crash Cushion (Insert Type)	EA	x	= \$	-
839701 Concrete Barrier (60)	LF	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL SPECIALTY ITEMS	\$	402,500
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SECTION 5: ENVIRONMENTAL

5A - ENVIRONMENTAL MITIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
Biological Mitigation	LS	x	= \$	-
071325 TEMPORARY REINFORCED SILT FENCE	LF	x	= \$	-
071325 Temporary Fence (Type ESA)				
Subtotal Environmental				\$ -

5B - LANDSCAPE AND IRRIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
200001 Highway Planting	LS	1 x	28,300.00 = \$	28,300
20XXXX XXX" (Insert Type) Conduit (Use for	LF	x	= \$	-
20XXXX Extend XXX" (Insert Type) Conduit	LF	x	= \$	-
201700 Imported Topsoil	CY	x	= \$	-
2030XX Erosion Control (Type __)	SQYD	x	= \$	-
203021 Fiber Rolls	LF	x	= \$	-
203026 Move In/ Move Out (Erosion Control)	EA	x	= \$	-
204099 Plant Establishment Work	LS	x	= \$	-
204101 Extend Plant Establishment (X Years)	LS	x	= \$	-
208000 Irrigation System	LS	x	= \$	-
208304 Water Meter	EA	x	= \$	-
209801 Maintenance Vehicle Pullout	EA	x	= \$	-
XXXXXX Some Item				
Subtotal Landscape and Irrigation				\$ 28,300

5C - NPDES

Item code	Unit	Quantity	Unit Price (\$)	Cost
074016 Construction Site Management	LS	x	= \$	-
074017 Prepare WPCP	LS	x	= \$	-
074019 Prepare SWPPP	LS	x	= \$	-
074023 Temporary Erosion Control	SQYD	x	= \$	-
074027 Temporary Erosion Control Blanket	SQYD	x	= \$	-
074028 Temporary Fiber Roll	LF	x	= \$	-
074032 Temporary Concrete Washout Facility	EA	x	= \$	-
074033 Temporary Construction Entrance	EA	x	= \$	-
074035 Temporary Check Dam	LF	x	= \$	-
074037 Move In/ Move Out (Temporary Erosion Cont	EA	x	= \$	-
074038 Temp. Drainage Inlet Protection	EA	x	= \$	-
074041 Street Sweeping	LS	x	= \$	-
074042 Temporary Concrete Washout (Portable)	LS	x	= \$	-
XXXXXX Some Item				

Supplemental Work for NPDES

(These costs are not accounted in total here but under Supplemental Work on sheet 7 of 11).

066595 Water Pollution Control Maintenance Sharing	LS	x	= \$	-
066596 Additional Water Pollution Control**	LS	x	= \$	-
066597 Storm Water Sampling and Analysis***	LS	x	= \$	-
XXXXXX Some Item				

Subtotal NPDES (Without Supplemental Work) \$ -

*Applies to all SWPPPs and those WPCPs with sediment control or soil stabilization BMPs.

**Applies to both SWPPPs and WPCP projects.

*** Applies only to project with SWPPPs.

TOTAL ENVIRONMENTAL	\$ 28,300
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SECTION 6: TRAFFIC ITEMS

6A - Traffic Electrical

Item code	Unit	Quantity	Unit Price (\$)	Cost
150760 Remove Sign Structure	EA	x	= \$	-
151581 Reconstruct Sign Structure	EA	x	= \$	-
152641 Modify Sign Structure	EA	x	= \$	-
5602XX Furnish Sign Structure	LB	x	= \$	-
5602XX Install Sign Structure	LB	x	= \$	-
56XXXX XXX" CIDHC Pile (Sign Foundation)	LF	x	= \$	-
860090 Maintain Existing Traffic Management	LS	x	= \$	-
860810 Inductive Loop Detectors	EA	x	= \$	-
86055X Lighting & Sign Illumination	LS	x	= \$	-
8607XX Interconnection Facilities	LS	x	= \$	-
8609XX Traffic Monitoring Stations	LS	x	= \$	-
860XXX Signals & Lighting	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
86XXXX Fiber Optic Conduit System	LS	x	= \$	-
XXXXX Some Item				
Subtotal Traffic Electrical				\$ -

6B - Traffic Signing and Striping

Item code	Unit	Quantity	Unit Price (\$)	Cost
120090 Construction Area Signs	LS	x	= \$	-
150701 Remove Yellow Painted Traffic Stripe	LF	x	= \$	-
150710 Remove Traffic Stripe	LF	x	= \$	-
150713 Remove Pavement Marking	SQFT	x	= \$	-
150742 Remove Roadside Sign	EA	x	= \$	-
152320 Reset Roadside Sign	EA	x	= \$	-
152390 Relocate Roadside Sign	EA	x	= \$	-
566011 Roadside Sign (One Post)	EA	x	= \$	-
566012 Roadside Sign (Two Post)	EA	x	= \$	-
560XXX Furnish Sign Panels	SQFT	x	= \$	-
560XXX Install Sign Panels	SQFT	x	= \$	-
82010X Delineator (Class X)	EA	x	= \$	-
84XXXX Permanent Pavement Delineation	LS	x	= \$	-
Subtotal Traffic Signing and Striping				\$ -

6C - Stage Construction and Traffic Handling

Item code	Unit	Quantity	Unit Price (\$)	Cost
120100 Traffic Control System	LS	x	= \$	-
120120 Type III Barricade	EA	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
12016X Channelizer	EA	x	= \$	-
128650 Portable Changeable Message Signs	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
129100 Temp. Crash Cushion Module	EA	x	= \$	-
129099A Traffic Plastic Drum	EA	x	= \$	-
839603A Temporary Crash Cushion (ADIEM)	EA	x	= \$	-
XXXXXX Some Item				
Subtotal Stage Construction and Traffic Handling				\$ -

TOTAL TRAFFIC ITEMS	\$ -
----------------------------	-------------

SECTION 7: DETOURS

Include constructing, maintaining, and removal

Item code	Unit	Quantity	Unit Price (\$)	Cost
0713XX Temporary Fence (Type X)	LF	x	= \$	-
07XXXX Temporary Drainage	LS	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
1286XX Temporary Signals	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
190101 Roadway Excavation	CY	x	= \$	-
198001 Imported Borrow	CY	x	= \$	-
198050 Embankment	CY	x	= \$	-
250401 Class 4 Aggregate Subbase	CY	x	= \$	-
260201 Class 2 Aggregate Base	CY	x	= \$	-
390132 Hot Mix Asphalt (Type A)	TON	x	= \$	-
XXXXXX Some Item	LS	x	= \$	-

TOTAL DETOURS	\$	-
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SUBTOTAL SECTIONS 1-7 \$ 440,800

SECTION 8: MINOR ITEMS

8A - Americans with Disabilities Act Items

ADA Items 0.0% \$ -

8B - Bike Path Items

Bike Path Items 0.0% \$ -

8C - Other Minor Items

Other Minor Items 0.0% \$ -

Total of Section 1-7 \$ 440,800 x 0.0% = \$ -

TOTAL MINOR ITEMS	\$	-
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SECTIONS 9: MOBILIZATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
999990 Total Section 1-8	\$	440,800	x 10%	= \$ -

TOTAL MOBILIZATION	\$	-
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SECTION 10: SUPPLEMENTAL WORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
066015 Federal Trainee Program	LS	x	= \$	-
066063 Traffic Management Plan - Public Informati	LS	x	= \$	-
066090 Maintain Traffic	LS	x	= \$	-
066094 Value Analysis	LS	x	= \$	-
066204 Remove Rock & Debris	LS	x	= \$	-
066222 Locate Existing Cross-Over	LS	x	= \$	-
066670 Payment Adjustments For Price Index Fluct	LS	x	= \$	-
066700 Partnering	LS	x	= \$	-
066866 Operation of Existing Traffic Management S	LS	x	= \$	-
066920 Dispute Review Board	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

Cost of NPDES Supplemental Work specified in Section 5C = \$ -

Total Section 1-8 \$ 440,800 5% = \$ 22,040

TOTAL SUPPLEMENTAL WORK	\$	22,100
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PRELIMINARY
PROJECT COST ESTIMATE

SECTION 11: STATE FURNISHED MATERIALS AND EXPENSES

Item code	Unit	Quantity	Unit Price (\$)	Cost
066063 Public Information	LS	x	=	\$0
066105 RE Office	LS	x	=	\$0
066803 Padlocks	LS	x	=	\$0
066838 Reflective Numbers and Edge Sealer	LS	x	=	\$0
066901 Water Expenses	LS	x	=	\$0
066062A COZEEP Expenses	LS	x	=	\$0
06684X Ramp Meter Controller Assembly	LS	x	=	\$0
06684X TMS Controller Assembly	LS	x	=	\$0
06684X Traffic Signal Controller Assembly	LS	x	=	\$0
XXXXXX Some Item				

Total Section 1-8 \$ 440,800 0% = \$ -

TOTAL STATE FURNISHED	\$0
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SECTION 12: TIME-RELATED OVERHEAD

Estiamted Time-Releated Overhead (TRO) Percentage (0% to 10%) = 5%

Item code	Unit	Quantity	Unit Price (\$)	Cost
070018 Time-Related Overhead	WD	0	X #DIV/0! =	\$0

TOTAL TIME-RELATED OVERHEAD	\$0
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SECTION 13: CONTINGENCY

(Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)

Total Section 1-11 \$ 462,900 x 10% = \$46,290

TOTAL CONTINGENCY	\$46,300
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II. STRUCTURE ITEMS

DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
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DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0.0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
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TOTAL COST OF BRIDGES	\$0.00
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TOTAL COST OF BUILDINGS	\$0.00
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TOTAL COST OF STRUCTURES¹	\$0.00
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Estimate Prepared By: _____
XXXXXXXXXXXXXXXXXXXX ----- Division of Structures

_____ Date

¹Structure's Estimate includes Overhead and Mobilization.
Add more sheets if needed. Call them 9a, 9b, 9c, ..., etc

PRELIMINARY
PROJECT COST ESTIMATE

III. RIGHT OF WAY

Fill in all of the available information from the Right of Way data sheet.

A)	A1)	Acquisition, including Excess Land Purchases, Damages & Goodwill,	\$	0
	A2)	SB-1210	\$	0
B)		Acquisition of Offsite Mitigation	\$	0
C)	C1)	Utility Relocation (State Share)	\$	0
	C2)	Potholing (Design Phase)	\$	0
D)		Railroad Acquisition	\$	0
E)		Clearance / Demolition	\$	0
F)		Relocation Assistance (RAP and/or Last Resort Housing Costs)	\$	0
G)		Title and Escrow	\$	0
H)		Environmental Review	\$	0
I)		Condemnation Settlements	0%	0
		(Items G & H applied to items A + B)		
J)		Design Appreciation Factor	0%	0
K)		Utility Relocation (Construction Cost)	\$	0

L)

TOTAL RIGHT OF WAY ESTIMATE	\$0
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(Excluding Item #8 - Hazardous Waste)

M)

TOTAL R/W ESTIMATE: Escalated	\$0
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N)

Right of Way Support	\$	0
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Support Cost		
Estimate Prepared By	Project Coordinator ¹	Phone
Utility Estimate		
Prepared By	Utility Coordinator ²	Phone
R/W Acquisition		
Estimate Prepared By	Right of Way Estimator ³	Phone

¹ When estimate has Support Costs only ² When estimate has Utility Relocation

³ When R/W Acquisition is required

DO NOT PRINT THIS SHEET AS PART OF COST ESTIMATE ATTACHMENT TO PROJECT INITIATION OR APPROVAL DOCUMENTS.

IV. SUPPORT COST ESTIMATE SUMMARY

Please obtain a P3 report (CL#3) from PPM to fill in the support cost for these categories.

SB-45 CATEGORY SUPPORT COST	PREVIOUS	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FUTURE	P3 Total	Support Ratio
PR/ED (PD,PE,PM)											\$ -	0.00%
PS&E (PS)											\$ -	0.00%
R/W (RW)											\$ -	0.00%
CONSTRUCTION (CM)											\$ -	0.00%
Total Support Cost:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	0.00%

Note: It is assumed that the Support Costs are already escalated by Programming to the year of expenditure. Use project Programming Sheet data.

Total Capital Cost:	\$510,000
Total Capital Outlay Support Cost:	\$0
Overall Percent Support Cost:	0.00%

V. ESCALATED CONSTRUCTION COST ESTIMATE SUMMARY

Note: Right of way escalated cost are accounted for on sheet 10 of 11.

	Month	/	Year
Date of Estimate (Month/Year)	10	/	2015
Estimated Date of Construction Start (Month/Year)	0	/	0
Number of Working Days	0	WD	
Estimated Mid-Point of Construction (Month/Year)	0	/	0

YEAR	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE
FORECASTED ESCALATION											

ESCALATED CONSTRUCTION COSTS	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE	TOTAL ESCALATED COSTS
ROADWAY ITEMS	\$ 509,200	\$ 509,200	\$ 509,200	\$ 509,200	\$ 509,200	\$ 509,200	\$ 509,200	\$ 509,200	\$ 509,200	\$ 509,200	\$ 509,200	\$ 509,200
STRUCTURE ITEMS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SUBTOTAL	\$ 509,200	\$ 509,200	\$ 509,200	\$ 509,200	\$ 509,200	\$ 509,200	\$ 509,200	\$ 509,200	\$ 509,200	\$ 509,200	\$ 509,200	\$ 509,200

Approved by:

Project Control Engineer

Date

PRELIMINARY
PROJECT COST ESTIMATE
Sound Wall Cost Estimate

Project ID:

Type of Estimate : Sound Wall NB 4-1 (14' Wall)
Program Code :
Project Limits :
Description: SR41 NB Onramp E. Weldon Ave to E. Clinton Ave
Scope :
Alternative :

	Current Cost	Escalated Cost
ROADWAY ITEMS	\$ 574,400	\$ 574,400
STRUCTURE ITEMS	\$ -	\$ -
SUBTOTAL CONSTRUCTION COST	\$ 574,400	\$ 574,400
RIGHT OF WAY	\$ -	\$ -
TOTAL CAPITAL OUTLAY COST	\$ 575,000	\$ 575,000
PR/ED SUPPORT	\$ -	\$ -
PS&E SUPPORT	\$ -	\$ -
RIGHT OF WAY SUPPORT	\$ -	\$ -
CONSTRUCTION SUPPORT	\$ -	\$ -
TOTAL CAPITAL OUTLAY SUPPORT COST*	\$ -	\$ -
TOTAL PROJECT COST	\$ 575,000	\$ 575,000

If Project has been programmed enter Programmed Amount \$ -

Month / Year
10 / 2015

Date of Estimate (Month/Year)

/

Estimated Date of Construction Start (Month/Year)

Working Days

Number of Working Days

Month / Year

Estimated Mid-Point of Construction (Month/Year)

Days

Number of Plant Establishment Days

Estimated Project Schedule

PID Approval
PA/ED Approval
PS&E
RTL
Begin Construction

Approved by Project
Manager

10/30/2015

(559) 374-3111

Project Manager

Date

Phone

I. ROADWAY ITEMS SUMMARY

Section		Cost
1	Earthwork	\$ 10,000
2	Pavement Structural Section	\$ -
3	Drainage	\$ -
4	Specialty Items	\$ 458,900
5	Environmental	\$ 28,300
6	Traffic Items	\$ -
7	Detours	\$ -
8	Minor Items	\$ -
9	Roadway Mobilization	\$ -
10	Supplemental Work	\$ 24,900
11	State Furnished	\$ -
12	Contingencies	\$ 52,300
13	Overhead	\$ -
TOTAL ROADWAY ITEMS		\$ 574,400

Estimate Prepared By	Melissa Blau - Design Engineer	10/29/2015	(559) 374-3107
	Name and Title	Date	Phone

Estimate Reviewed By	Edgar Noriega - Project Manager	10/30/2015	(559) 374-3111
	Name and Title	Date	Phone

By signing this estimate you are attesting that you have discussed your project with all functional units and have incorporated all their comments or have discussed with them why they will not be incorporated.

PRELIMINARY
PROJECT COST ESTIMATE

SECTION 1: EARTHWORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
160101 Clearing & Grubbing	LS	1	x 10,000.00	= \$ 10,000
170101 Develop Water Supply	LS		x	= \$ -
190101 Roadway Excavation	CY		x	= \$ -
190103 Roadway Excavation (Type Y) ADL	CY		x	= \$ -
190105 Roadway Excavation (Type Z-2) ADL	CY		x	= \$ -
192037 Structure Excavation (Retaining Wall)	CY		x	= \$ -
193013 Structure Backfill (Retaining Wall)	CY		x	= \$ -
193031 Pervious Backfill Material (Retaining Wall)	CY		x	= \$ -
194001 Ditch Excavation	CY		x	= \$ -
198001 Impored Borrow	CY		x	= \$ -
198007 Imported Material (Shoulder Backing)	TON		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL EARTHWORK SECTION ITEMS	\$ 10,000
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SECTION 2: PAVEMENT STRUCTURAL SECTION

Item code	Unit	Quantity	Unit Price (\$)	Cost
150771 Remove Asphalt Concrete Dike	LF		x	= \$ -
150860 Remove Base and Surfacing	CY		x	= \$ -
153103 Cold Plane Asphalt Concrete Pavement	SQYD		x	= \$ -
1532XX Remove Concrete (type)	CY		x	= \$ -
250401 Class 4 Aggregate Subbase	CY		x	= \$ -
260201 Class 2 Aggregate Base	CY		x	= \$ -
290201 Asphalt Treated Permeable Base	CY		x	= \$ -
365001 Sand Cover	TON		x	= \$ -
374002 Asphaltic Emulsion (Fog Seal Coat)	TON		x	= \$ -
374492 Asphaltic Emulsion (Polymer Modified)	TON		x	= \$ -
3750XX Screenings (Type XX)	TON		x	= \$ -
377501 Slurry Seal	TON		x	= \$ -
390095 Replace Asphalt Concrete Surfacing	CY		x	= \$ -
390132 Hot Mix Asphalt (Type A)	TON		x	= \$ -
390136 Minor Hot Mix Asphalt	TON		x	= \$ -
390137 Rubberized Hot Mix Asphalt (Gap Graded)	TON		x	= \$ -
393003 Geosynthetic Pavement Interlayer	SQYD		x	= \$ -
39405X Shoulder Rumber Strip (HMA, Type XX Inden	STA		x	= \$ -
394071 Place Hot Mix Asphalt Dike	LF		x	= \$ -
394090 Place Hot Mix Asphalt (Misc. Area)	SQYD		x	= \$ -
397005 Tack Coat	TON		x	= \$ -
401000 Concrete Pavement	CY		x	= \$ -
401108 Replace Concrete Pavement (Rapid Strength	CY		x	= \$ -
404092 Seal Pavement Joint	LF		x	= \$ -
404094 Seal Longitudinal Isolation Joint	LF		x	= \$ -
413112A Repair Spalled Joints (Polyester Grout)	SQYD		x	= \$ -
413115 Seal Existing Concrete Pavement Joint	LF		x	= \$ -
420102 Groove Existing Concrete Pavement	SQYD		x	= \$ -
420201 Grind Existing Concrete Pavement	SQYD		x	= \$ -
731502 Minor Concrete (Misc. Const)	CY		x	= \$ -
731530 Minor Concrete (Textured Paving)	SQFT		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL STRUCTURAL SECTION ITEMS	\$ -
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SECTION 3: DRAINAGE

Item code	Unit	Quantity	Unit Price (\$)	Cost
150206 Abandon Culvert	LF	x	= \$	-
150805 Remove Culvert	LF	x	= \$	-
150820 Modify Inlet	EA	x	= \$	-
152430 Adjust Inlet	LF	x	= \$	-
155003 Cap Inlet	EA	x	= \$	-
193114 Sand Backfill	CY	x	= \$	-
510502 Minor Concrete (Minor Structure)	CY	x	= \$	-
510512 Minor Concrete (Box Culvert)	CY	x	= \$	-
62XXXX XXX" APC Pipe	LF	x	= \$	-
64XXXX XXX" Plastic Pipe	LF	x	= \$	-
65XXXX XXX" RCP Pipe	LF	x	= \$	-
66XXXX XXX" CSP Pipe	LF	x	= \$	-
68XXXX Edge Drain	LF	x	= \$	-
69XXXX XXX" Pipe Downdrain	LF	x	= \$	-
70XXXX XXX" Pipe Inlet	LF	x	= \$	-
70XXXX XXX" Pipe Riser	LF	x	= \$	-
70XXXX XXX" Flared End Section	EA	x	= \$	-
703233 Grated Line Drain	LF	x	= \$	-
72XXXX Rock Slope Protection (Type and Method)	CY	x	= \$	-
721420 Concrete (Ditch Lining)	CY	x	= \$	-
721430 Concrete (Channel Lining)	CY	x	= \$	-
729010 Rock Slope Protection Fabric	SQYD	x	= \$	-
750001 Miscellaneous Iron and Steel	LB	x	= \$	-
XXXXXX Additional Drainage	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL DRAINAGE ITEMS	\$	-
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SECTION 4: SPECIALTY ITEMS

Item code	Unit	Quantity	Unit Price (\$)	Cost
070012 Progress Schedule (Critical Path Method)	LS	x	= \$	-
150662 Remove Metal Beam Guard Railing	LF	x	= \$	-
150668 Remove Terminal Systems	EA	x	= \$	-
1532XX Remove Barrier (60C)	LF	x	= \$	-
153250 Remove Sound Wall	SQFT	x	= \$	-
190110 Lead Compliance Plan	LS	x	= \$	-
490601 CIDH Concrete Piling (16")	LF	1,412	45.00	63,540
510060 Structural Concrete (Retaining Wall)	CY	x	= \$	-
510133 Class 2 Concrete (Retaining Wall)	CY	x	= \$	-
510524 Minor Concrete (Sound Wall)	CY	x	= \$	-
5110XX Architectural Treatment (Insert Type)	SQFT	x	= \$	-
511048 Apply Anti-Graffiti Coating	SQFT	x	= \$	-
5136XX Reinforced Concrete Crib Wall (Insert Type)	SQFT	x	= \$	-
518002 Sound Wall (Masonry Block)	SQFT	19,768	20.00	395,360
520103 Bar Reinf. Steel (Retaining Wall)	LB	x	= \$	-
80XXXX Fence (Insert Type)	LF	x	= \$	-
832001 Metal Beam Guard Railing	LF	x	= \$	-
839310 Double Thrie Beam Barrier	LF	x	= \$	-
839521 Cable Railing	LF	x	= \$	-
83954X Transition Railing (Insert Type)	EA	x	= \$	-
8395XX Terminal System (Type CAT)	EA	x	= \$	-
8395XX Alternative Flared Terminal System	EA	x	= \$	-
8395XX End Anchor Assembly (Insert Type)	EA	x	= \$	-
839561 Rail Tensioning Assembly	EA	x	= \$	-
839XXX Crash Cushion (Insert Type)	EA	x	= \$	-
839701 Concrete Barrier (60)	LF	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL SPECIALTY ITEMS	\$	458,900
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SECTION 5: ENVIRONMENTAL

5A - ENVIRONMENTAL MITIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
Biological Mitigation	LS	x	= \$	-
071325 TEMPORARY REINFORCED SILT FENCE	LF	x	= \$	-
071325 Temporary Fence (Type ESA)				
Subtotal Environmental				\$ -

5B - LANDSCAPE AND IRRIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
200001 Highway Planting	LS	1 x	28,300.00 = \$	28,300
20XXXX XXX" (Insert Type) Conduit (Use for	LF	x	= \$	-
20XXXX Extend XXX" (Insert Type) Conduit	LF	x	= \$	-
201700 Imported Topsoil	CY	x	= \$	-
2030XX Erosion Control (Type __)	SQYD	x	= \$	-
203021 Fiber Rolls	LF	x	= \$	-
203026 Move In/ Move Out (Erosion Control)	EA	x	= \$	-
204099 Plant Establishment Work	LS	x	= \$	-
204101 Extend Plant Establishment (X Years)	LS	x	= \$	-
208000 Irrigation System	LS	x	= \$	-
208304 Water Meter	EA	x	= \$	-
209801 Maintenance Vehicle Pullout	EA	x	= \$	-
XXXXXX Some Item				
Subtotal Landscape and Irrigation				\$ 28,300

5C - NPDES

Item code	Unit	Quantity	Unit Price (\$)	Cost
074016 Construction Site Management	LS	x	= \$	-
074017 Prepare WPCP	LS	x	= \$	-
074019 Prepare SWPPP	LS	x	= \$	-
074023 Temporary Erosion Control	SQYD	x	= \$	-
074027 Temporary Erosion Control Blanket	SQYD	x	= \$	-
074028 Temporary Fiber Roll	LF	x	= \$	-
074032 Temporary Concrete Washout Facility	EA	x	= \$	-
074033 Temporary Construction Entrance	EA	x	= \$	-
074035 Temporary Check Dam	LF	x	= \$	-
074037 Move In/ Move Out (Temporary Erosion Cont	EA	x	= \$	-
074038 Temp. Drainage Inlet Protection	EA	x	= \$	-
074041 Street Sweeping	LS	x	= \$	-
074042 Temporary Concrete Washout (Portable)	LS	x	= \$	-
XXXXXX Some Item				

Supplemental Work for NPDES

(These costs are not accounted in total here but under Supplemental Work on sheet 7 of 11).

066595 Water Pollution Control Maintenance Sharing	LS	x	= \$	-
066596 Additional Water Pollution Control**	LS	x	= \$	-
066597 Storm Water Sampling and Analysis***	LS	x	= \$	-
XXXXXX Some Item				

Subtotal NPDES (Without Supplemental Work) \$ -

*Applies to all SWPPPs and those WPCPs with sediment control or soil stabilization BMPs.

**Applies to both SWPPPs and WPCP projects.

*** Applies only to project with SWPPPs.

TOTAL ENVIRONMENTAL	\$ 28,300
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SECTION 6: TRAFFIC ITEMS

6A - Traffic Electrical

Item code	Unit	Quantity	Unit Price (\$)	Cost
150760 Remove Sign Structure	EA	x	= \$	-
151581 Reconstruct Sign Structure	EA	x	= \$	-
152641 Modify Sign Structure	EA	x	= \$	-
5602XX Furnish Sign Structure	LB	x	= \$	-
5602XX Install Sign Structure	LB	x	= \$	-
56XXXX XXX" CIDHC Pile (Sign Foundation)	LF	x	= \$	-
860090 Maintain Existing Traffic Management	LS	x	= \$	-
860810 Inductive Loop Detectors	EA	x	= \$	-
86055X Lighting & Sign Illumination	LS	x	= \$	-
8607XX Interconnection Facilities	LS	x	= \$	-
8609XX Traffic Monitoring Stations	LS	x	= \$	-
860XXX Signals & Lighting	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
86XXXX Fiber Optic Conduit System	LS	x	= \$	-
XXXXX Some Item				
Subtotal Traffic Electrical				\$ -

6B - Traffic Signing and Striping

Item code	Unit	Quantity	Unit Price (\$)	Cost
120090 Construction Area Signs	LS	x	= \$	-
150701 Remove Yellow Painted Traffic Stripe	LF	x	= \$	-
150710 Remove Traffic Stripe	LF	x	= \$	-
150713 Remove Pavement Marking	SQFT	x	= \$	-
150742 Remove Roadside Sign	EA	x	= \$	-
152320 Reset Roadside Sign	EA	x	= \$	-
152390 Relocate Roadside Sign	EA	x	= \$	-
566011 Roadside Sign (One Post)	EA	x	= \$	-
566012 Roadside Sign (Two Post)	EA	x	= \$	-
560XXX Furnish Sign Panels	SQFT	x	= \$	-
560XXX Install Sign Panels	SQFT	x	= \$	-
82010X Delineator (Class X)	EA	x	= \$	-
84XXXX Permanent Pavement Delineation	LS	x	= \$	-
Subtotal Traffic Signing and Striping				\$ -

6C - Stage Construction and Traffic Handling

Item code	Unit	Quantity	Unit Price (\$)	Cost
120100 Traffic Control System	LS	x	= \$	-
120120 Type III Barricade	EA	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
12016X Channelizer	EA	x	= \$	-
128650 Portable Changeable Message Signs	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
129100 Temp. Crash Cushion Module	EA	x	= \$	-
129099A Traffic Plastic Drum	EA	x	= \$	-
839603A Temporary Crash Cushion (ADIEM)	EA	x	= \$	-
XXXXXX Some Item				
Subtotal Stage Construction and Traffic Handling				\$ -

TOTAL TRAFFIC ITEMS	\$ -
----------------------------	-------------

SECTION 7: DETOURS

Include constructing, maintaining, and removal

Item code	Unit	Quantity	Unit Price (\$)	Cost
0713XX Temporary Fence (Type X)	LF	x	= \$	-
07XXXX Temporary Drainage	LS	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
1286XX Temporary Signals	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
190101 Roadway Excavation	CY	x	= \$	-
198001 Imported Borrow	CY	x	= \$	-
198050 Embankment	CY	x	= \$	-
250401 Class 4 Aggregate Subbase	CY	x	= \$	-
260201 Class 2 Aggregate Base	CY	x	= \$	-
390132 Hot Mix Asphalt (Type A)	TON	x	= \$	-
XXXXXX Some Item	LS	x	= \$	-

TOTAL DETOURS	\$	-
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SUBTOTAL SECTIONS 1-7 \$ 497,200

SECTION 8: MINOR ITEMS

8A - Americans with Disabilities Act Items

ADA Items 0.0% \$ -

8B - Bike Path Items

Bike Path Items 0.0% \$ -

8C - Other Minor Items

Other Minor Items 0.0% \$ -

Total of Section 1-7 \$ 497,200 x 0.0% = \$ -

TOTAL MINOR ITEMS	\$	-
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SECTIONS 9: MOBILIZATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
999990 Total Section 1-8	\$	497,200	x 10%	= \$ -

TOTAL MOBILIZATION	\$	-
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SECTION 10: SUPPLEMENTAL WORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
066015 Federal Trainee Program	LS	x	= \$	-
066063 Traffic Management Plan - Public Informati	LS	x	= \$	-
066090 Maintain Traffic	LS	x	= \$	-
066094 Value Analysis	LS	x	= \$	-
066204 Remove Rock & Debris	LS	x	= \$	-
066222 Locate Existing Cross-Over	LS	x	= \$	-
066670 Payment Adjustments For Price Index Fluct	LS	x	= \$	-
066700 Partnering	LS	x	= \$	-
066866 Operation of Existing Traffic Management S	LS	x	= \$	-
066920 Dispute Review Board	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

Cost of NPDES Supplemental Work specified in Section 5C = \$ -

Total Section 1-8 \$ 497,200 5% = \$ 24,860

TOTAL SUPPLEMENTAL WORK	\$	24,900
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PRELIMINARY
PROJECT COST ESTIMATE

SECTION 11: STATE FURNISHED MATERIALS AND EXPENSES

Item code	Unit	Quantity	Unit Price (\$)	Cost
066063 Public Information	LS	x	=	\$0
066105 RE Office	LS	x	=	\$0
066803 Padlocks	LS	x	=	\$0
066838 Reflective Numbers and Edge Sealer	LS	x	=	\$0
066901 Water Expenses	LS	x	=	\$0
066062A COZEEP Expenses	LS	x	=	\$0
06684X Ramp Meter Controller Assembly	LS	x	=	\$0
06684X TMS Controller Assembly	LS	x	=	\$0
06684X Traffic Signal Controller Assembly	LS	x	=	\$0
XXXXXX Some Item				

Total Section 1-8 \$ 497,200 0% = \$ -

TOTAL STATE FURNISHED	\$0
------------------------------	------------

SECTION 12: TIME-RELATED OVERHEAD

Estiamted Time-Releated Overhead (TRO) Percentage (0% to 10%) = 5%

Item code	Unit	Quantity	Unit Price (\$)	Cost
070018 Time-Related Overhead	WD	0	X #DIV/0! =	\$0

TOTAL TIME-RELATED OVERHEAD	\$0
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SECTION 13: CONTINGENCY

(Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)

Total Section 1-11 \$ 522,100 x 10% = \$52,210

TOTAL CONTINGENCY	\$52,300
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II. STRUCTURE ITEMS

DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
-------------------------------	---------------	---------------	---------------

DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0.0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
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TOTAL COST OF BRIDGES	\$0.00
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TOTAL COST OF BUILDINGS	\$0.00
--------------------------------	---------------

TOTAL COST OF STRUCTURES¹	\$0.00
---	---------------

Estimate Prepared By: _____
XXXXXXXXXXXXXXXXXXXX ----- Division of Structures

_____ Date

¹Structure's Estimate includes Overhead and Mobilization.
Add more sheets if needed. Call them 9a, 9b, 9c, ..., etc

PRELIMINARY
PROJECT COST ESTIMATE

III. RIGHT OF WAY

Fill in all of the available information from the Right of Way data sheet.

A)	A1)	Acquisition, including Excess Land Purchases, Damages & Goodwill,	\$	0
	A2)	SB-1210	\$	0
B)		Acquisition of Offsite Mitigation	\$	0
C)	C1)	Utility Relocation (State Share)	\$	0
	C2)	Potholing (Design Phase)	\$	0
D)		Railroad Acquisition	\$	0
E)		Clearance / Demolition	\$	0
F)		Relocation Assistance (RAP and/or Last Resort Housing Costs)	\$	0
G)		Title and Escrow	\$	0
H)		Environmental Review	\$	0
I)		Condemnation Settlements	0%	0
		(Items G & H applied to items A + B)		
J)		Design Appreciation Factor	0%	0
K)		Utility Relocation (Construction Cost)	\$	0

L)

TOTAL RIGHT OF WAY ESTIMATE	\$0
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(Excluding Item #8 - Hazardous Waste)

M)

TOTAL R/W ESTIMATE: Escalated	\$0
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N)

Right of Way Support	\$	0
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Support Cost		
Estimate Prepared By	Project Coordinator ¹	Phone
Utility Estimate		
Prepared By	Utility Coordinator ²	Phone
R/W Acquisition		
Estimate Prepared By	Right of Way Estimator ³	Phone

¹ When estimate has Support Costs only ² When estimate has Utility Relocation

³ When R/W Acquisition is required

DO NOT PRINT THIS SHEET AS PART OF COST ESTIMATE ATTACHMENT TO PROJECT INITIATION OR APPROVAL DOCUMENTS.

IV. SUPPORT COST ESTIMATE SUMMARY

Please obtain a P3 report (CL#3) from PPM to fill in the support cost for these categories.

SB-45 CATEGORY SUPPORT COST	PREVIOUS	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FUTURE	P3 Total	Support Ratio
PR/ED (PD,PE,PM)											\$ -	0.00%
PS&E (PS)											\$ -	0.00%
R/W (RW)											\$ -	0.00%
CONSTRUCTION (CM)											\$ -	0.00%
Total Support Cost:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	0.00%

Note: It is assumed that the Support Costs are already escalated by Programming to the year of expenditure. Use project Programming Sheet data.

Total Capital Cost:	\$575,000
Total Capital Outlay Support Cost:	\$0
Overall Percent Support Cost:	0.00%

V. ESCALATED CONSTRUCTION COST ESTIMATE SUMMARY

Note: Right of way escalated cost are accounted for on sheet 10 of 11.

	Month	/	Year
Date of Estimate (Month/Year)	10	/	2015
Estimated Date of Construction Start (Month/Year)	0	/	0
Number of Working Days	0	WD	
Estimated Mid-Point of Construction (Month/Year)	0	/	0

YEAR	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE
FORECASTED ESCALATION											

ESCALATED CONSTRUCTION COSTS	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE	TOTAL ESCALATED COSTS
ROADWAY ITEMS	\$ 574,400	\$ 574,400	\$ 574,400	\$ 574,400	\$ 574,400	\$ 574,400	\$ 574,400	\$ 574,400	\$ 574,400	\$ 574,400	\$ 574,400	\$ 574,400
STRUCTURE ITEMS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SUBTOTAL	\$ 574,400	\$ 574,400	\$ 574,400	\$ 574,400	\$ 574,400	\$ 574,400	\$ 574,400	\$ 574,400	\$ 574,400	\$ 574,400	\$ 574,400	\$ 574,400

Approved by:

Project Control Engineer

Date

PRELIMINARY
PROJECT COST ESTIMATE
Sound Wall Cost Estimate

Project ID:

Type of Estimate : Sound Wall NB 4-1 (16' Wall)
Program Code :
Project Limits :
Description: SR41 NB Onramp E. Weldon Ave to E. Clinton Ave
Scope :
Alternative :

	Current Cost	Escalated Cost
ROADWAY ITEMS	\$ 639,600	\$ 639,600
STRUCTURE ITEMS	\$ -	\$ -
SUBTOTAL CONSTRUCTION COST	\$ 639,600	\$ 639,600
RIGHT OF WAY	\$ -	\$ -
TOTAL CAPITAL OUTLAY COST	\$ 640,000	\$ 640,000
PR/ED SUPPORT	\$ -	\$ -
PS&E SUPPORT	\$ -	\$ -
RIGHT OF WAY SUPPORT	\$ -	\$ -
CONSTRUCTION SUPPORT	\$ -	\$ -
TOTAL CAPITAL OUTLAY SUPPORT COST*	\$ -	\$ -
TOTAL PROJECT COST	\$ 640,000	\$ 640,000

If Project has been programmed enter Programmed Amount \$ -

Month / Year
10 / 2015

Date of Estimate (Month/Year)

/

Estimated Date of Construction Start (Month/Year)

Working Days

Number of Working Days

Month / Year

Estimated Mid-Point of Construction (Month/Year)

Days

Number of Plant Establishment Days

Estimated Project Schedule

PID Approval
PA/ED Approval
PS&E
RTL
Begin Construction

Approved by Project
Manager

10/30/2015

(559) 374-3111

Project Manager

Date

Phone

I. ROADWAY ITEMS SUMMARY

Section		Cost
1	Earthwork	\$ 10,000
2	Pavement Structural Section	\$ -
3	Drainage	\$ -
4	Specialty Items	\$ 515,400
5	Environmental	\$ 28,300
6	Traffic Items	\$ -
7	Detours	\$ -
8	Minor Items	\$ -
9	Roadway Mobilization	\$ -
10	Supplemental Work	\$ 27,700
11	State Furnished	\$ -
12	Contingencies	\$ 58,200
13	Overhead	\$ -
TOTAL ROADWAY ITEMS		\$ 639,600

Estimate Prepared By	Melissa Blau - Design Engineer	10/29/2015	(559) 374-3107
	Name and Title	Date	Phone

Estimate Reviewed By	Edgar Noriega - Project Manager	10/30/2015	(559) 374-3111
	Name and Title	Date	Phone

By signing this estimate you are attesting that you have discussed your project with all functional units and have incorporated all their comments or have discussed with them why they will not be incorporated.

PRELIMINARY
PROJECT COST ESTIMATE

SECTION 1: EARTHWORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
160101 Clearing & Grubbing	LS	1	x 10,000.00	= \$ 10,000
170101 Develop Water Supply	LS		x	= \$ -
190101 Roadway Excavation	CY		x	= \$ -
190103 Roadway Excavation (Type Y) ADL	CY		x	= \$ -
190105 Roadway Excavation (Type Z-2) ADL	CY		x	= \$ -
192037 Structure Excavation (Retaining Wall)	CY		x	= \$ -
193013 Structure Backfill (Retaining Wall)	CY		x	= \$ -
193031 Pervious Backfill Material (Retaining Wall)	CY		x	= \$ -
194001 Ditch Excavation	CY		x	= \$ -
198001 Impored Borrow	CY		x	= \$ -
198007 Imported Material (Shoulder Backing)	TON		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL EARTHWORK SECTION ITEMS	\$ 10,000
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SECTION 2: PAVEMENT STRUCTURAL SECTION

Item code	Unit	Quantity	Unit Price (\$)	Cost
150771 Remove Asphalt Concrete Dike	LF		x	= \$ -
150860 Remove Base and Surfacing	CY		x	= \$ -
153103 Cold Plane Asphalt Concrete Pavement	SQYD		x	= \$ -
1532XX Remove Concrete (type)	CY		x	= \$ -
250401 Class 4 Aggregate Subbase	CY		x	= \$ -
260201 Class 2 Aggregate Base	CY		x	= \$ -
290201 Asphalt Treated Permeable Base	CY		x	= \$ -
365001 Sand Cover	TON		x	= \$ -
374002 Asphaltic Emulsion (Fog Seal Coat)	TON		x	= \$ -
374492 Asphaltic Emulsion (Polymer Modified)	TON		x	= \$ -
3750XX Screenings (Type XX)	TON		x	= \$ -
377501 Slurry Seal	TON		x	= \$ -
390095 Replace Asphalt Concrete Surfacing	CY		x	= \$ -
390132 Hot Mix Asphalt (Type A)	TON		x	= \$ -
390136 Minor Hot Mix Asphalt	TON		x	= \$ -
390137 Rubberized Hot Mix Asphalt (Gap Graded)	TON		x	= \$ -
393003 Geosynthetic Pavement Interlayer	SQYD		x	= \$ -
39405X Shoulder Rumber Strip (HMA, Type XX Inden	STA		x	= \$ -
394071 Place Hot Mix Asphalt Dike	LF		x	= \$ -
394090 Place Hot Mix Asphalt (Misc. Area)	SQYD		x	= \$ -
397005 Tack Coat	TON		x	= \$ -
401000 Concrete Pavement	CY		x	= \$ -
401108 Replace Concrete Pavement (Rapid Strength	CY		x	= \$ -
404092 Seal Pavement Joint	LF		x	= \$ -
404094 Seal Longitudinal Isolation Joint	LF		x	= \$ -
413112A Repair Spalled Joints (Polyester Grout)	SQYD		x	= \$ -
413115 Seal Existing Concrete Pavement Joint	LF		x	= \$ -
420102 Groove Existing Concrete Pavement	SQYD		x	= \$ -
420201 Grind Existing Concrete Pavement	SQYD		x	= \$ -
731502 Minor Concrete (Misc. Const)	CY		x	= \$ -
731530 Minor Concrete (Textured Paving)	SQFT		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL STRUCTURAL SECTION ITEMS	\$ -
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SECTION 3: DRAINAGE

Item code	Unit	Quantity	Unit Price (\$)	Cost
150206 Abandon Culvert	LF	x	= \$	-
150805 Remove Culvert	LF	x	= \$	-
150820 Modify Inlet	EA	x	= \$	-
152430 Adjust Inlet	LF	x	= \$	-
155003 Cap Inlet	EA	x	= \$	-
193114 Sand Backfill	CY	x	= \$	-
510502 Minor Concrete (Minor Structure)	CY	x	= \$	-
510512 Minor Concrete (Box Culvert)	CY	x	= \$	-
62XXXX XXX" APC Pipe	LF	x	= \$	-
64XXXX XXX" Plastic Pipe	LF	x	= \$	-
65XXXX XXX" RCP Pipe	LF	x	= \$	-
66XXXX XXX" CSP Pipe	LF	x	= \$	-
68XXXX Edge Drain	LF	x	= \$	-
69XXXX XXX" Pipe Downdrain	LF	x	= \$	-
70XXXX XXX" Pipe Inlet	LF	x	= \$	-
70XXXX XXX" Pipe Riser	LF	x	= \$	-
70XXXX XXX" Flared End Section	EA	x	= \$	-
703233 Grated Line Drain	LF	x	= \$	-
72XXXX Rock Slope Protection (Type and Method)	CY	x	= \$	-
721420 Concrete (Ditch Lining)	CY	x	= \$	-
721430 Concrete (Channel Lining)	CY	x	= \$	-
729010 Rock Slope Protection Fabric	SQYD	x	= \$	-
750001 Miscellaneous Iron and Steel	LB	x	= \$	-
XXXXXX Additional Drainage	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL DRAINAGE ITEMS	\$	-
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SECTION 4: SPECIALTY ITEMS

Item code	Unit	Quantity	Unit Price (\$)	Cost
070012 Progress Schedule (Critical Path Method)	LS	x	= \$	-
150662 Remove Metal Beam Guard Railing	LF	x	= \$	-
150668 Remove Terminal Systems	EA	x	= \$	-
1532XX Remove Barrier (60)	LF	x	= \$	-
153250 Remove Sound Wall	SQFT	x	= \$	-
190110 Lead Compliance Plan	LS	x	= \$	-
490601 CIDH Concrete Piling (16")	LF	1,412	x 45.00	= \$ 63,540
510060 Structural Concrete (Retaining Wall)	CY	x	= \$	-
510133 Class 2 Concrete (Retaining Wall)	CY	x	= \$	-
510524 Minor Concrete (Sound Wall)	CY	x	= \$	-
5110XX Architectural Treatment (Insert Type)	SQFT	x	= \$	-
511048 Apply Anti-Graffiti Coating	SQFT	x	= \$	-
5136XX Reinforced Concrete Crib Wall (Insert Type)	SQFT	x	= \$	-
518002 Sound Wall (Masonry Block)	SQFT	22,592	x 20.00	= \$ 451,840
520103 Bar Reinf. Steel (Retaining Wall)	LB	x	= \$	-
80XXXX Fence (Insert Type)	LF	x	= \$	-
832001 Metal Beam Guard Railing	LF	x	= \$	-
839310 Double Thrie Beam Barrier	LF	x	= \$	-
839521 Cable Railing	LF	x	= \$	-
83954X Transition Railing (Insert Type)	EA	x	= \$	-
8395XX Terminal System (Type CAT)	EA	x	= \$	-
8395XX Alternative Flared Terminal System	EA	x	= \$	-
8395XX End Anchor Assembly (Insert Type)	EA	x	= \$	-
839561 Rail Tensioning Assembly	EA	x	= \$	-
839XXX Crash Cushion (Insert Type)	EA	x	= \$	-
839701 Concrete Barrier (60C)	LF	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL SPECIALTY ITEMS	\$	515,400
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SECTION 5: ENVIRONMENTAL

5A - ENVIRONMENTAL MITIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
Biological Mitigation	LS	x	= \$	-
071325 TEMPORARY REINFORCED SILT FENCE	LF	x	= \$	-
071325 Temporary Fence (Type ESA)				
Subtotal Environmental				\$ -

5B - LANDSCAPE AND IRRIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
200001 Highway Planting	LS	1 x	28,300.00 = \$	28,300
20XXXX XXX" (Insert Type) Conduit (Use for	LF	x	= \$	-
20XXXX Extend XXX" (Insert Type) Conduit	LF	x	= \$	-
201700 Imported Topsoil	CY	x	= \$	-
2030XX Erosion Control (Type __)	SQYD	x	= \$	-
203021 Fiber Rolls	LF	x	= \$	-
203026 Move In/ Move Out (Erosion Control)	EA	x	= \$	-
204099 Plant Establishment Work	LS	x	= \$	-
204101 Extend Plant Establishment (X Years)	LS	x	= \$	-
208000 Irrigation System	LS	x	= \$	-
208304 Water Meter	EA	x	= \$	-
209801 Maintenance Vehicle Pullout	EA	x	= \$	-
XXXXXX Some Item				
Subtotal Landscape and Irrigation				\$ 28,300

5C - NPDES

Item code	Unit	Quantity	Unit Price (\$)	Cost
074016 Construction Site Management	LS	x	= \$	-
074017 Prepare WPCP	LS	x	= \$	-
074019 Prepare SWPPP	LS	x	= \$	-
074023 Temporary Erosion Control	SQYD	x	= \$	-
074027 Temporary Erosion Control Blanket	SQYD	x	= \$	-
074028 Temporary Fiber Roll	LF	x	= \$	-
074032 Temporary Concrete Washout Facility	EA	x	= \$	-
074033 Temporary Construction Entrance	EA	x	= \$	-
074035 Temporary Check Dam	LF	x	= \$	-
074037 Move In/ Move Out (Temporary Erosion Cont	EA	x	= \$	-
074038 Temp. Drainage Inlet Protection	EA	x	= \$	-
074041 Street Sweeping	LS	x	= \$	-
074042 Temporary Concrete Washout (Portable)	LS	x	= \$	-
XXXXXX Some Item				

Supplemental Work for NPDES

(These costs are not accounted in total here but under Supplemental Work on sheet 7 of 11).

066595 Water Pollution Control Maintenance Sharing	LS	x	= \$	-
066596 Additional Water Pollution Control**	LS	x	= \$	-
066597 Storm Water Sampling and Analysis***	LS	x	= \$	-
XXXXXX Some Item				

Subtotal NPDES (Without Supplemental Work) \$ -

*Applies to all SWPPPs and those WPCPs with sediment control or soil stabilization BMPs.

**Applies to both SWPPPs and WPCP projects.

*** Applies only to project with SWPPPs.

TOTAL ENVIRONMENTAL	\$ 28,300
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SECTION 6: TRAFFIC ITEMS

6A - Traffic Electrical

Item code	Unit	Quantity	Unit Price (\$)	Cost
150760 Remove Sign Structure	EA	x	= \$	-
151581 Reconstruct Sign Structure	EA	x	= \$	-
152641 Modify Sign Structure	EA	x	= \$	-
5602XX Furnish Sign Structure	LB	x	= \$	-
5602XX Install Sign Structure	LB	x	= \$	-
56XXXX XXX" CIDHC Pile (Sign Foundation)	LF	x	= \$	-
860090 Maintain Existing Traffic Management	LS	x	= \$	-
860810 Inductive Loop Detectors	EA	x	= \$	-
86055X Lighting & Sign Illumination	LS	x	= \$	-
8607XX Interconnection Facilities	LS	x	= \$	-
8609XX Traffic Monitoring Stations	LS	x	= \$	-
860XXX Signals & Lighting	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
86XXXX Fiber Optic Conduit System	LS	x	= \$	-
XXXXX Some Item				
Subtotal Traffic Electrical				\$ -

6B - Traffic Signing and Striping

Item code	Unit	Quantity	Unit Price (\$)	Cost
120090 Construction Area Signs	LS	x	= \$	-
150701 Remove Yellow Painted Traffic Stripe	LF	x	= \$	-
150710 Remove Traffic Stripe	LF	x	= \$	-
150713 Remove Pavement Marking	SQFT	x	= \$	-
150742 Remove Roadside Sign	EA	x	= \$	-
152320 Reset Roadside Sign	EA	x	= \$	-
152390 Relocate Roadside Sign	EA	x	= \$	-
566011 Roadside Sign (One Post)	EA	x	= \$	-
566012 Roadside Sign (Two Post)	EA	x	= \$	-
560XXX Furnish Sign Panels	SQFT	x	= \$	-
560XXX Install Sign Panels	SQFT	x	= \$	-
82010X Delineator (Class X)	EA	x	= \$	-
84XXXX Permanent Pavement Delineation	LS	x	= \$	-
Subtotal Traffic Signing and Striping				\$ -

6C - Stage Construction and Traffic Handling

Item code	Unit	Quantity	Unit Price (\$)	Cost
120100 Traffic Control System	LS	x	= \$	-
120120 Type III Barricade	EA	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
12016X Channelizer	EA	x	= \$	-
128650 Portable Changeable Message Signs	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
129100 Temp. Crash Cushion Module	EA	x	= \$	-
129099A Traffic Plastic Drum	EA	x	= \$	-
839603A Temporary Crash Cushion (ADIEM)	EA	x	= \$	-
XXXXXX Some Item				
Subtotal Stage Construction and Traffic Handling				\$ -

TOTAL TRAFFIC ITEMS	\$ -
----------------------------	-------------

SECTION 7: DETOURS

Include constructing, maintaining, and removal

Item code	Unit	Quantity	Unit Price (\$)	Cost
0713XX Temporary Fence (Type X)	LF	x	= \$	-
07XXXX Temporary Drainage	LS	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
1286XX Temporary Signals	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
190101 Roadway Excavation	CY	x	= \$	-
198001 Imported Borrow	CY	x	= \$	-
198050 Embankment	CY	x	= \$	-
250401 Class 4 Aggregate Subbase	CY	x	= \$	-
260201 Class 2 Aggregate Base	CY	x	= \$	-
390132 Hot Mix Asphalt (Type A)	TON	x	= \$	-
XXXXXX Some Item	LS	x	= \$	-

TOTAL DETOURS	\$	-
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SUBTOTAL SECTIONS 1-7 \$ 553,700

SECTION 8: MINOR ITEMS

8A - Americans with Disabilities Act Items

ADA Items 0.0% \$ -

8B - Bike Path Items

Bike Path Items 0.0% \$ -

8C - Other Minor Items

Other Minor Items 0.0% \$ -

Total of Section 1-7 \$ 553,700 x 0.0% = \$ -

TOTAL MINOR ITEMS	\$	-
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SECTIONS 9: MOBILIZATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
999990 Total Section 1-8	\$	553,700	x 10%	= \$ -

TOTAL MOBILIZATION	\$	-
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SECTION 10: SUPPLEMENTAL WORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
066015 Federal Trainee Program	LS	x	= \$	-
066063 Traffic Management Plan - Public Informati	LS	x	= \$	-
066090 Maintain Traffic	LS	x	= \$	-
066094 Value Analysis	LS	x	= \$	-
066204 Remove Rock & Debris	LS	x	= \$	-
066222 Locate Existing Cross-Over	LS	x	= \$	-
066670 Payment Adjustments For Price Index Fluct	LS	x	= \$	-
066700 Partnering	LS	x	= \$	-
066866 Operation of Existing Traffic Management S	LS	x	= \$	-
066920 Dispute Review Board	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

Cost of NPDES Supplemental Work specified in Section 5C = \$ -

Total Section 1-8 \$ 553,700 5% = \$ 27,685

TOTAL SUPPLEMENTAL WORK	\$	27,700
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PRELIMINARY
PROJECT COST ESTIMATE

SECTION 11: STATE FURNISHED MATERIALS AND EXPENSES

Item code	Unit	Quantity	Unit Price (\$)	Cost
066063 Public Information	LS	x	=	\$0
066105 RE Office	LS	x	=	\$0
066803 Padlocks	LS	x	=	\$0
066838 Reflective Numbers and Edge Sealer	LS	x	=	\$0
066901 Water Expenses	LS	x	=	\$0
066062A COZEEP Expenses	LS	x	=	\$0
06684X Ramp Meter Controller Assembly	LS	x	=	\$0
06684X TMS Controller Assembly	LS	x	=	\$0
06684X Traffic Signal Controller Assembly	LS	x	=	\$0
XXXXXX Some Item				

Total Section 1-8 \$ 553,700 0% = \$ -

TOTAL STATE FURNISHED	\$0
------------------------------	------------

SECTION 12: TIME-RELATED OVERHEAD

Estiamted Time-Releated Overhead (TRO) Percentage (0% to 10%) = 5%

Item code	Unit	Quantity	Unit Price (\$)	Cost
070018 Time-Related Overhead	WD	0	X #DIV/0! =	\$0

TOTAL TIME-RELATED OVERHEAD	\$0
------------------------------------	------------

SECTION 13: CONTINGENCY

(Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)

Total Section 1-11 \$ 581,400 x 10% = \$58,140

TOTAL CONTINGENCY	\$58,200
--------------------------	-----------------

II. STRUCTURE ITEMS

DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
-------------------------------	---------------	---------------	---------------

DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0.0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
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TOTAL COST OF BRIDGES	\$0.00
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TOTAL COST OF BUILDINGS	\$0.00
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TOTAL COST OF STRUCTURES¹	\$0.00
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Estimate Prepared By: _____
XXXXXXXXXXXXXXXXXXXX ----- Division of Structures

_____ Date

¹Structure's Estimate includes Overhead and Mobilization.
Add more sheets if needed. Call them 9a, 9b, 9c, ..., etc

PRELIMINARY
PROJECT COST ESTIMATE

III. RIGHT OF WAY

Fill in all of the available information from the Right of Way data sheet.

A)	A1)	Acquisition, including Excess Land Purchases, Damages & Goodwill,	\$	0
	A2)	SB-1210	\$	0
B)		Acquisition of Offsite Mitigation	\$	0
C)	C1)	Utility Relocation (State Share)	\$	0
	C2)	Potholing (Design Phase)	\$	0
D)		Railroad Acquisition	\$	0
E)		Clearance / Demolition	\$	0
F)		Relocation Assistance (RAP and/or Last Resort Housing Costs)	\$	0
G)		Title and Escrow	\$	0
H)		Environmental Review	\$	0
I)		Condemnation Settlements	0%	0
		(Items G & H applied to items A + B)		
J)		Design Appreciation Factor	0%	0
K)		Utility Relocation (Construction Cost)	\$	0

L)

TOTAL RIGHT OF WAY ESTIMATE	\$0
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(Excluding Item #8 - Hazardous Waste)

M)

TOTAL R/W ESTIMATE: Escalated	\$0
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N)

Right of Way Support	\$	0
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Support Cost		
Estimate Prepared By	Project Coordinator ¹	Phone
Utility Estimate		
Prepared By	Utility Coordinator ²	Phone
R/W Acquisition		
Estimate Prepared By	Right of Way Estimator ³	Phone

¹ When estimate has Support Costs only ² When estimate has Utility Relocation

³ When R/W Acquisition is required

DO NOT PRINT THIS SHEET AS PART OF COST ESTIMATE ATTACHMENT TO PROJECT INITIATION OR APPROVAL DOCUMENTS.

IV. SUPPORT COST ESTIMATE SUMMARY

Please obtain a P3 report (CL#3) from PPM to fill in the support cost for these categories.

SB-45 CATEGORY SUPPORT COST	PREVIOUS	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FUTURE	P3 Total	Support Ratio
PR/ED (PD,PE,PM)											\$ -	0.00%
PS&E (PS)											\$ -	0.00%
R/W (RW)											\$ -	0.00%
CONSTRUCTION (CM)											\$ -	0.00%
Total Support Cost:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	0.00%

Note: It is assumed that the Support Costs are already escalated by Programming to the year of expenditure. Use project Programming Sheet data.

Total Capital Cost:	\$640,000
Total Capital Outlay Support Cost:	\$0
Overall Percent Support Cost:	0.00%

V. ESCALATED CONSTRUCTION COST ESTIMATE SUMMARY

Note: Right of way escalated cost are accounted for on sheet 10 of 11.

	Month	/	Year
Date of Estimate (Month/Year)	10	/	2015
Estimated Date of Construction Start (Month/Year)	0	/	0
Number of Working Days	0	WD	
Estimated Mid-Point of Construction (Month/Year)	0	/	0

YEAR	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE
FORECASTED ESCALATION											

ESCALATED CONSTRUCTION COSTS	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE	TOTAL ESCALATED COSTS
ROADWAY ITEMS	\$ 639,600	\$ 639,600	\$ 639,600	\$ 639,600	\$ 639,600	\$ 639,600	\$ 639,600	\$ 639,600	\$ 639,600	\$ 639,600	\$ 639,600	\$ 639,600
STRUCTURE ITEMS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SUBTOTAL	\$ 639,600	\$ 639,600	\$ 639,600	\$ 639,600	\$ 639,600	\$ 639,600	\$ 639,600	\$ 639,600	\$ 639,600	\$ 639,600	\$ 639,600	\$ 639,600

Approved by:

Project Control Engineer

Date

PRELIMINARY
PROJECT COST ESTIMATE
Sound Wall Cost Estimate

Project ID:

Type of Estimate : Sound Wall NB 5-1 (10' Wall)
Program Code :
Project Limits :
Description: SR41 NB Offramp E. Harvard Ave to E. Princeton Ave
Scope :
Alternative :

	Current Cost	Escalated Cost
ROADWAY ITEMS	\$ 216,000	\$ 216,000
STRUCTURE ITEMS	\$ -	\$ -
SUBTOTAL CONSTRUCTION COST	\$ 216,000	\$ 216,000
RIGHT OF WAY	\$ -	\$ -
TOTAL CAPITAL OUTLAY COST	\$ 216,000	\$ 216,000
PR/ED SUPPORT	\$ -	\$ -
PS&E SUPPORT	\$ -	\$ -
RIGHT OF WAY SUPPORT	\$ -	\$ -
CONSTRUCTION SUPPORT	\$ -	\$ -
TOTAL CAPITAL OUTLAY SUPPORT COST*	\$ -	\$ -
TOTAL PROJECT COST	\$ 220,000	\$ 220,000

If Project has been programmed enter Programmed Amount \$ -

Month / Year
10 / 2015

Date of Estimate (Month/Year)

/

Estimated Date of Construction Start (Month/Year)

Working Days

Number of Working Days

Month / Year

Estimated Mid-Point of Construction (Month/Year)

Days

Number of Plant Establishment Days

Estimated Project Schedule

PID Approval
PA/ED Approval
PS&E
RTL
Begin Construction

Approved by Project
Manager

10/30/2015

(559) 374-3111

Project Manager

Date

Phone

I. ROADWAY ITEMS SUMMARY

Section		Cost
1	Earthwork	\$ 5,000
2	Pavement Structural Section	\$ -
3	Drainage	\$ -
4	Specialty Items	\$ 168,100
5	Environmental	\$ 13,800
6	Traffic Items	\$ -
7	Detours	\$ -
8	Minor Items	\$ -
9	Roadway Mobilization	\$ -
10	Supplemental Work	\$ 9,400
11	State Furnished	\$ -
12	Contingencies	\$ 19,700
13	Overhead	\$ -
TOTAL ROADWAY ITEMS		\$ 216,000

Estimate Prepared By	Melissa Blau - Design Engineer	10/29/2015	(559) 374-3107
	Name and Title	Date	Phone

Estimate Reviewed By	Edgar Noriega - Project Manager	10/30/2015	(559) 374-3111
	Name and Title	Date	Phone

By signing this estimate you are attesting that you have discussed your project with all functional units and have incorporated all their comments or have discussed with them why they will not be incorporated.

PRELIMINARY
PROJECT COST ESTIMATE

SECTION 1: EARTHWORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
160101 Clearing & Grubbing	LS	1	x 5,000.00	= \$ 5,000
170101 Develop Water Supply	LS		x	= \$ -
190101 Roadway Excavation	CY		x	= \$ -
190103 Roadway Excavation (Type Y) ADL	CY		x	= \$ -
190105 Roadway Excavation (Type Z-2) ADL	CY		x	= \$ -
192037 Structure Excavation (Retaining Wall)	CY		x	= \$ -
193013 Structure Backfill (Retaining Wall)	CY		x	= \$ -
193031 Pervious Backfill Material (Retaining Wall)	CY		x	= \$ -
194001 Ditch Excavation	CY		x	= \$ -
198001 Impored Borrow	CY		x	= \$ -
198007 Imported Material (Shoulder Backing)	TON		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL EARTHWORK SECTION ITEMS	\$ 5,000
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SECTION 2: PAVEMENT STRUCTURAL SECTION

Item code	Unit	Quantity	Unit Price (\$)	Cost
150771 Remove Asphalt Concrete Dike	LF		x	= \$ -
150860 Remove Base and Surfacing	CY		x	= \$ -
153103 Cold Plane Asphalt Concrete Pavement	SQYD		x	= \$ -
1532XX Remove Concrete (type)	CY		x	= \$ -
250401 Class 4 Aggregate Subbase	CY		x	= \$ -
260201 Class 2 Aggregate Base	CY		x	= \$ -
290201 Asphalt Treated Permeable Base	CY		x	= \$ -
365001 Sand Cover	TON		x	= \$ -
374002 Asphaltic Emulsion (Fog Seal Coat)	TON		x	= \$ -
374492 Asphaltic Emulsion (Polymer Modified)	TON		x	= \$ -
3750XX Screenings (Type XX)	TON		x	= \$ -
377501 Slurry Seal	TON		x	= \$ -
390095 Replace Asphalt Concrete Surfacing	CY		x	= \$ -
390132 Hot Mix Asphalt (Type A)	TON		x	= \$ -
390136 Minor Hot Mix Asphalt	TON		x	= \$ -
390137 Rubberized Hot Mix Asphalt (Gap Graded)	TON		x	= \$ -
393003 Geosynthetic Pavement Interlayer	SQYD		x	= \$ -
39405X Shoulder Rumber Strip (HMA, Type XX Inden	STA		x	= \$ -
394071 Place Hot Mix Asphalt Dike	LF		x	= \$ -
394090 Place Hot Mix Asphalt (Misc. Area)	SQYD		x	= \$ -
397005 Tack Coat	TON		x	= \$ -
401000 Concrete Pavement	CY		x	= \$ -
401108 Replace Concrete Pavement (Rapid Strength	CY		x	= \$ -
404092 Seal Pavement Joint	LF		x	= \$ -
404094 Seal Longitudinal Isolation Joint	LF		x	= \$ -
413112A Repair Spalled Joints (Polyester Grout)	SQYD		x	= \$ -
413115 Seal Existing Concrete Pavement Joint	LF		x	= \$ -
420102 Groove Existing Concrete Pavement	SQYD		x	= \$ -
420201 Grind Existing Concrete Pavement	SQYD		x	= \$ -
731502 Minor Concrete (Misc. Const)	CY		x	= \$ -
731530 Minor Concrete (Textured Paving)	SQFT		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL STRUCTURAL SECTION ITEMS	\$ -
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SECTION 3: DRAINAGE

Item code	Unit	Quantity	Unit Price (\$)	Cost
150206 Abandon Culvert	LF	x	= \$	-
150805 Remove Culvert	LF	x	= \$	-
150820 Modify Inlet	EA	x	= \$	-
152430 Adjust Inlet	LF	x	= \$	-
155003 Cap Inlet	EA	x	= \$	-
193114 Sand Backfill	CY	x	= \$	-
510502 Minor Concrete (Minor Structure)	CY	x	= \$	-
510512 Minor Concrete (Box Culvert)	CY	x	= \$	-
62XXXX XXX" APC Pipe	LF	x	= \$	-
64XXXX XXX" Plastic Pipe	LF	x	= \$	-
65XXXX XXX" RCP Pipe	LF	x	= \$	-
66XXXX XXX" CSP Pipe	LF	x	= \$	-
68XXXX Edge Drain	LF	x	= \$	-
69XXXX XXX" Pipe Downdrain	LF	x	= \$	-
70XXXX XXX" Pipe Inlet	LF	x	= \$	-
70XXXX XXX" Pipe Riser	LF	x	= \$	-
70XXXX XXX" Flared End Section	EA	x	= \$	-
703233 Grated Line Drain	LF	x	= \$	-
72XXXX Rock Slope Protection (Type and Method)	CY	x	= \$	-
721420 Concrete (Ditch Lining)	CY	x	= \$	-
721430 Concrete (Channel Lining)	CY	x	= \$	-
729010 Rock Slope Protection Fabric	SQYD	x	= \$	-
750001 Miscellaneous Iron and Steel	LB	x	= \$	-
XXXXXX Additional Drainage	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL DRAINAGE ITEMS	\$	-
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SECTION 4: SPECIALTY ITEMS

Item code	Unit	Quantity	Unit Price (\$)	Cost
070012 Progress Schedule (Critical Path Method)	LS	x	= \$	-
150662 Remove Metal Beam Guard Railing	LF	x	= \$	-
150668 Remove Terminal Systems	EA	x	= \$	-
1532XX Remove Barrier (60)	LF	x	= \$	-
153250 Remove Sound Wall	SQFT	x	= \$	-
190110 Lead Compliance Plan	LS	x	= \$	-
490601 CIDH Concrete Piling (16")	LF	686	45.00	30,870
510060 Structural Concrete (Retaining Wall)	CY	x	= \$	-
510133 Class 2 Concrete (Retaining Wall)	CY	x	= \$	-
510524 Minor Concrete (Sound Wall)	CY	x	= \$	-
5110XX Architectural Treatment (Insert Type)	SQFT	x	= \$	-
511048 Apply Anti-Graffiti Coating	SQFT	x	= \$	-
5136XX Reinforced Concrete Crib Wall (Insert Type)	SQFT	x	= \$	-
518002 Sound Wall (Masonry Block)	SQFT	6,860	20.00	137,200
520103 Bar Reinf. Steel (Retaining Wall)	LB	x	= \$	-
80XXXX Fence (Insert Type)	LF	x	= \$	-
832001 Metal Beam Guard Railing	LF	x	= \$	-
839310 Double Thrie Beam Barrier	LF	x	= \$	-
839521 Cable Railing	LF	x	= \$	-
83954X Transition Railing (Insert Type)	EA	x	= \$	-
8395XX Terminal System (Type CAT)	EA	x	= \$	-
8395XX Alternative Flared Terminal System	EA	x	= \$	-
8395XX End Anchor Assembly (Insert Type)	EA	x	= \$	-
839561 Rail Tensioning Assembly	EA	x	= \$	-
839XXX Crash Cushion (Insert Type)	EA	x	= \$	-
839701 Concrete Barrier (60C)	LF	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL SPECIALTY ITEMS	\$	168,100
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SECTION 5: ENVIRONMENTAL

5A - ENVIRONMENTAL MITIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
Biological Mitigation	LS	x	= \$	-
071325 TEMPORARY REINFORCED SILT FENCE	LF	x	= \$	-
071325 Temporary Fence (Type ESA)				
Subtotal Environmental				\$ -

5B - LANDSCAPE AND IRRIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
200001 Highway Planting	LS	1 x	13,800.00 = \$	13,800
20XXXX XXX" (Insert Type) Conduit (Use for	LF	x	= \$	-
20XXXX Extend XXX" (Insert Type) Conduit	LF	x	= \$	-
201700 Imported Topsoil	CY	x	= \$	-
2030XX Erosion Control (Type __)	SQYD	x	= \$	-
203021 Fiber Rolls	LF	x	= \$	-
203026 Move In/ Move Out (Erosion Control)	EA	x	= \$	-
204099 Plant Establishment Work	LS	x	= \$	-
204101 Extend Plant Establishment (X Years)	LS	x	= \$	-
208000 Irrigation System	LS	x	= \$	-
208304 Water Meter	EA	x	= \$	-
209801 Maintenance Vehicle Pullout	EA	x	= \$	-
XXXXXX Some Item				
Subtotal Landscape and Irrigation				\$ 13,800

5C - NPDES

Item code	Unit	Quantity	Unit Price (\$)	Cost
074016 Construction Site Management	LS	x	= \$	-
074017 Prepare WPCP	LS	x	= \$	-
074019 Prepare SWPPP	LS	x	= \$	-
074023 Temporary Erosion Control	SQYD	x	= \$	-
074027 Temporary Erosion Control Blanket	SQYD	x	= \$	-
074028 Temporary Fiber Roll	LF	x	= \$	-
074032 Temporary Concrete Washout Facility	EA	x	= \$	-
074033 Temporary Construction Entrance	EA	x	= \$	-
074035 Temporary Check Dam	LF	x	= \$	-
074037 Move In/ Move Out (Temporary Erosion Cont	EA	x	= \$	-
074038 Temp. Drainage Inlet Protection	EA	x	= \$	-
074041 Street Sweeping	LS	x	= \$	-
074042 Temporary Concrete Washout (Portable)	LS	x	= \$	-
XXXXXX Some Item				

Supplemental Work for NPDES

(These costs are not accounted in total here but under Supplemental Work on sheet 7 of 11).

066595 Water Pollution Control Maintenance Sharing	LS	x	= \$	-
066596 Additional Water Pollution Control**	LS	x	= \$	-
066597 Storm Water Sampling and Analysis***	LS	x	= \$	-
XXXXXX Some Item				

Subtotal NPDES (Without Supplemental Work) \$ -

*Applies to all SWPPPs and those WPCPs with sediment control or soil stabilization BMPs.

**Applies to both SWPPPs and WPCP projects.

*** Applies only to project with SWPPPs.

TOTAL ENVIRONMENTAL	\$ 13,800
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SECTION 6: TRAFFIC ITEMS

6A - Traffic Electrical

Item code	Unit	Quantity	Unit Price (\$)	Cost
150760 Remove Sign Structure	EA	x	= \$	-
151581 Reconstruct Sign Structure	EA	x	= \$	-
152641 Modify Sign Structure	EA	x	= \$	-
5602XX Furnish Sign Structure	LB	x	= \$	-
5602XX Install Sign Structure	LB	x	= \$	-
56XXXX XXX" CIDHC Pile (Sign Foundation)	LF	x	= \$	-
860090 Maintain Existing Traffic Management	LS	x	= \$	-
860810 Inductive Loop Detectors	EA	x	= \$	-
86055X Lighting & Sign Illumination	LS	x	= \$	-
8607XX Interconnection Facilities	LS	x	= \$	-
8609XX Traffic Monitoring Stations	LS	x	= \$	-
860XXX Signals & Lighting	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
86XXXX Fiber Optic Conduit System	LS	x	= \$	-
XXXXX Some Item				
Subtotal Traffic Electrical				\$ -

6B - Traffic Signing and Striping

Item code	Unit	Quantity	Unit Price (\$)	Cost
120090 Construction Area Signs	LS	x	= \$	-
150701 Remove Yellow Painted Traffic Stripe	LF	x	= \$	-
150710 Remove Traffic Stripe	LF	x	= \$	-
150713 Remove Pavement Marking	SQFT	x	= \$	-
150742 Remove Roadside Sign	EA	x	= \$	-
152320 Reset Roadside Sign	EA	x	= \$	-
152390 Relocate Roadside Sign	EA	x	= \$	-
566011 Roadside Sign (One Post)	EA	x	= \$	-
566012 Roadside Sign (Two Post)	EA	x	= \$	-
560XXX Furnish Sign Panels	SQFT	x	= \$	-
560XXX Install Sign Panels	SQFT	x	= \$	-
82010X Delineator (Class X)	EA	x	= \$	-
84XXXX Permanent Pavement Delineation	LS	x	= \$	-
Subtotal Traffic Signing and Striping				\$ -

6C - Stage Construction and Traffic Handling

Item code	Unit	Quantity	Unit Price (\$)	Cost
120100 Traffic Control System	LS	x	= \$	-
120120 Type III Barricade	EA	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
12016X Channelizer	EA	x	= \$	-
128650 Portable Changeable Message Signs	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
129100 Temp. Crash Cushion Module	EA	x	= \$	-
129099A Traffic Plastic Drum	EA	x	= \$	-
839603A Temporary Crash Cushion (ADIEM)	EA	x	= \$	-
XXXXXX Some Item				
Subtotal Stage Construction and Traffic Handling				\$ -

TOTAL TRAFFIC ITEMS	\$ -
----------------------------	-------------

SECTION 7: DETOURS

Include constructing, maintaining, and removal

Item code	Unit	Quantity	Unit Price (\$)	Cost
0713XX Temporary Fence (Type X)	LF	x	= \$	-
07XXXX Temporary Drainage	LS	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
1286XX Temporary Signals	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
190101 Roadway Excavation	CY	x	= \$	-
198001 Imported Borrow	CY	x	= \$	-
198050 Embankment	CY	x	= \$	-
250401 Class 4 Aggregate Subbase	CY	x	= \$	-
260201 Class 2 Aggregate Base	CY	x	= \$	-
390132 Hot Mix Asphalt (Type A)	TON	x	= \$	-
XXXXXX Some Item	LS	x	= \$	-

TOTAL DETOURS	\$	-
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SUBTOTAL SECTIONS 1-7 \$ 186,900

SECTION 8: MINOR ITEMS

8A - Americans with Disabilities Act Items

ADA Items 0.0% \$ -

8B - Bike Path Items

Bike Path Items 0.0% \$ -

8C - Other Minor Items

Other Minor Items 0.0% \$ -

Total of Section 1-7 \$ 186,900 x 0.0% = \$ -

TOTAL MINOR ITEMS	\$	-
--------------------------	-----------	----------

SECTIONS 9: MOBILIZATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
999990 Total Section 1-8	\$	186,900	x 10%	= \$ -

TOTAL MOBILIZATION	\$	-
---------------------------	-----------	----------

SECTION 10: SUPPLEMENTAL WORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
066015 Federal Trainee Program	LS	x	= \$	-
066063 Traffic Management Plan - Public Informati	LS	x	= \$	-
066090 Maintain Traffic	LS	x	= \$	-
066094 Value Analysis	LS	x	= \$	-
066204 Remove Rock & Debris	LS	x	= \$	-
066222 Locate Existing Cross-Over	LS	x	= \$	-
066670 Payment Adjustments For Price Index Fluct	LS	x	= \$	-
066700 Partnering	LS	x	= \$	-
066866 Operation of Existing Traffic Management S	LS	x	= \$	-
066920 Dispute Review Board	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

Cost of NPDES Supplemental Work specified in Section 5C = \$ -

Total Section 1-8 \$ 186,900 5% = \$ 9,345

TOTAL SUPPLEMENTAL WORK	\$	9,400
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PRELIMINARY
PROJECT COST ESTIMATE

SECTION 11: STATE FURNISHED MATERIALS AND EXPENSES

Item code	Unit	Quantity	Unit Price (\$)	Cost
066063 Public Information	LS	x	=	\$0
066105 RE Office	LS	x	=	\$0
066803 Padlocks	LS	x	=	\$0
066838 Reflective Numbers and Edge Sealer	LS	x	=	\$0
066901 Water Expenses	LS	x	=	\$0
066062A COZEEP Expenses	LS	x	=	\$0
06684X Ramp Meter Controller Assembly	LS	x	=	\$0
06684X TMS Controller Assembly	LS	x	=	\$0
06684X Traffic Signal Controller Assembly	LS	x	=	\$0
XXXXXX Some Item				

Total Section 1-8 \$ 186,900 0% = \$ -

TOTAL STATE FURNISHED	\$0
------------------------------	------------

SECTION 12: TIME-RELATED OVERHEAD

Estiamted Time-Releated Overhead (TRO) Percentage (0% to 10%) = 5%

Item code	Unit	Quantity	Unit Price (\$)	Cost
070018 Time-Related Overhead	WD	0	X #DIV/0! =	\$0

TOTAL TIME-RELATED OVERHEAD	\$0
------------------------------------	------------

SECTION 13: CONTINGENCY

(Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)

Total Section 1-11 \$ 196,300 x 10% = \$19,630

TOTAL CONTINGENCY	\$19,700
--------------------------	-----------------

II. STRUCTURE ITEMS

DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
-----------------------------------	---------------	---------------	---------------

DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0.00 SQFT	0.0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
-----------------------------------	---------------	---------------	---------------

TOTAL COST OF BRIDGES	\$0.00
------------------------------	---------------

TOTAL COST OF BUILDINGS	\$0.00
--------------------------------	---------------

TOTAL COST OF STRUCTURES¹	\$0.00
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Estimate Prepared By: _____
XXXXXXXXXXXXXXXXXXXX ----- Division of Structures

_____ Date

¹Structure's Estimate includes Overhead and Mobilization.
Add more sheets if needed. Call them 9a, 9b, 9c, ..., etc

PRELIMINARY
PROJECT COST ESTIMATE

III. RIGHT OF WAY

Fill in all of the available information from the Right of Way data sheet.

A)	A1)	Acquisition, including Excess Land Purchases, Damages & Goodwill,	\$	0
	A2)	SB-1210	\$	0
B)		Acquisition of Offsite Mitigation	\$	0
C)	C1)	Utility Relocation (State Share)	\$	0
	C2)	Potholing (Design Phase)	\$	0
D)		Railroad Acquisition	\$	0
E)		Clearance / Demolition	\$	0
F)		Relocation Assistance (RAP and/or Last Resort Housing Costs)	\$	0
G)		Title and Escrow	\$	0
H)		Environmental Review	\$	0
I)		Condemnation Settlements	0%	0
		(Items G & H applied to items A + B)		
J)		Design Appreciation Factor	0%	0
K)		Utility Relocation (Construction Cost)	\$	0

L)

TOTAL RIGHT OF WAY ESTIMATE	\$0
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(Excluding Item #8 - Hazardous Waste)

M)

TOTAL R/W ESTIMATE: Escalated	\$0
--------------------------------------	------------

N)

Right of Way Support	\$	0
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Support Cost
Estimate Prepared By _____ Project Coordinator¹ _____ Phone _____

Utility Estimate
Prepared By _____ Utiliy Coordinator² _____ Phone _____

R/W Acquisition
Estimate Prepared By _____ Right of Way Estimator³ _____ Phone _____

¹ When estimate has Support Costs only ² When estimate has Utility Relocation

³ When R/W Acquisition is required

DO NOT PRINT THIS SHEET AS PART OF COST ESTIMATE ATTACHMENT TO PROJECT INITIATION OR APPROVAL DOCUMENTS.

IV. SUPPORT COST ESTIMATE SUMMARY

Please obtain a P3 report (CL#3) from PPM to fill in the support cost for these categories.

SB-45 CATEGORY SUPPORT COST	PREVIOUS	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FUTURE	P3 Total	Support Ratio
PR/ED (PD,PE,PM)											\$ -	0.00%
PS&E (PS)											\$ -	0.00%
R/W (RW)											\$ -	0.00%
CONSTRUCTION (CM)											\$ -	0.00%
Total Support Cost:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	0.00%

Note: It is assumed that the Support Costs are already escalated by Programming to the year of expenditure. Use project Programming Sheet data.

Total Capital Cost:	\$216,000
Total Capital Outlay Support Cost:	\$0
Overall Percent Support Cost:	0.00%

V. ESCALATED CONSTRUCTION COST ESTIMATE SUMMARY

Note: Right of way escalated cost are accounted for on sheet 10 of 11.

	Month	/	Year
Date of Estimate (Month/Year)	10	/	2015
Estimated Date of Construction Start (Month/Year)	0	/	0
Number of Working Days	0	WD	
Estimated Mid-Point of Construction (Month/Year)	0	/	0

YEAR	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE
FORECASTED ESCALATION											

ESCALATED CONSTRUCTION COSTS	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE	TOTAL ESCALATED COSTS
ROADWAY ITEMS	\$ 216,000	\$ 216,000	\$ 216,000	\$ 216,000	\$ 216,000	\$ 216,000	\$ 216,000	\$ 216,000	\$ 216,000	\$ 216,000	\$ 216,000	\$ 216,000
STRUCTURE ITEMS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SUBTOTAL	\$ 216,000	\$ 216,000	\$ 216,000	\$ 216,000	\$ 216,000	\$ 216,000	\$ 216,000	\$ 216,000	\$ 216,000	\$ 216,000	\$ 216,000	\$ 216,000

Approved by:

Project Control Engineer

Date

PRELIMINARY
PROJECT COST ESTIMATE
Sound Wall Cost Estimate

Project ID:

Type of Estimate : Sound Wall NB 5-1 (12' Wall)
Program Code :
Project Limits :
Description: SR41 NB Offramp E. Harvard Ave to E. Princeton Ave
Scope :
Alternative :

	Current Cost	Escalated Cost
ROADWAY ITEMS	\$ 247,800	\$ 247,800
STRUCTURE ITEMS	\$ -	\$ -
SUBTOTAL CONSTRUCTION COST	\$ 247,800	\$ 247,800
RIGHT OF WAY	\$ -	\$ -
TOTAL CAPITAL OUTLAY COST	\$ 248,000	\$ 248,000
PR/ED SUPPORT	\$ -	\$ -
PS&E SUPPORT	\$ -	\$ -
RIGHT OF WAY SUPPORT	\$ -	\$ -
CONSTRUCTION SUPPORT	\$ -	\$ -
TOTAL CAPITAL OUTLAY SUPPORT COST*	\$ -	\$ -
TOTAL PROJECT COST	\$ 250,000	\$ 250,000

If Project has been programmed enter Programmed Amount \$ -

Month / Year
10 / 2015

Date of Estimate (Month/Year)

/

Estimated Date of Construction Start (Month/Year)

Working Days

Number of Working Days

Month / Year

Estimated Mid-Point of Construction (Month/Year)

Days

Number of Plant Establishment Days

Estimated Project Schedule

PID Approval
PA/ED Approval
PS&E
RTL
Begin Construction

Approved by Project
Manager

10/30/2015

(559) 374-3111

Project Manager

Date

Phone

I. ROADWAY ITEMS SUMMARY

Section		Cost
1	Earthwork	\$ 5,000
2	Pavement Structural Section	\$ -
3	Drainage	\$ -
4	Specialty Items	\$ 195,600
5	Environmental	\$ 13,800
6	Traffic Items	\$ -
7	Detours	\$ -
8	Minor Items	\$ -
9	Roadway Mobilization	\$ -
10	Supplemental Work	\$ 10,800
11	State Furnished	\$ -
12	Contingencies	\$ 22,600
13	Overhead	\$ -
TOTAL ROADWAY ITEMS		\$ 247,800

Estimate Prepared By	Melissa Blau - Design Engineer	10/29/2015	(559) 374-3107
	Name and Title	Date	Phone

Estimate Reviewed By	Edgar Noriega - Project Manager	10/30/2015	(559) 374-3111
	Name and Title	Date	Phone

By signing this estimate you are attesting that you have discussed your project with all functional units and have incorporated all their comments or have discussed with them why they will not be incorporated.

PRELIMINARY
PROJECT COST ESTIMATE

SECTION 1: EARTHWORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
160101 Clearing & Grubbing	LS	1	x 5,000.00	= \$ 5,000
170101 Develop Water Supply	LS		x	= \$ -
190101 Roadway Excavation	CY		x	= \$ -
190103 Roadway Excavation (Type Y) ADL	CY		x	= \$ -
190105 Roadway Excavation (Type Z-2) ADL	CY		x	= \$ -
192037 Structure Excavation (Retaining Wall)	CY		x	= \$ -
193013 Structure Backfill (Retaining Wall)	CY		x	= \$ -
193031 Pervious Backfill Material (Retaining Wall)	CY		x	= \$ -
194001 Ditch Excavation	CY		x	= \$ -
198001 Impored Borrow	CY		x	= \$ -
198007 Imported Material (Shoulder Backing)	TON		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL EARTHWORK SECTION ITEMS	\$ 5,000
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SECTION 2: PAVEMENT STRUCTURAL SECTION

Item code	Unit	Quantity	Unit Price (\$)	Cost
150771 Remove Asphalt Concrete Dike	LF		x	= \$ -
150860 Remove Base and Surfacing	CY		x	= \$ -
153103 Cold Plane Asphalt Concrete Pavement	SQYD		x	= \$ -
1532XX Remove Concrete (type)	CY		x	= \$ -
250401 Class 4 Aggregate Subbase	CY		x	= \$ -
260201 Class 2 Aggregate Base	CY		x	= \$ -
290201 Asphalt Treated Permeable Base	CY		x	= \$ -
365001 Sand Cover	TON		x	= \$ -
374002 Asphaltic Emulsion (Fog Seal Coat)	TON		x	= \$ -
374492 Asphaltic Emulsion (Polymer Modified)	TON		x	= \$ -
3750XX Screenings (Type XX)	TON		x	= \$ -
377501 Slurry Seal	TON		x	= \$ -
390095 Replace Asphalt Concrete Surfacing	CY		x	= \$ -
390132 Hot Mix Asphalt (Type A)	TON		x	= \$ -
390136 Minor Hot Mix Asphalt	TON		x	= \$ -
390137 Rubberized Hot Mix Asphalt (Gap Graded)	TON		x	= \$ -
393003 Geosynthetic Pavement Interlayer	SQYD		x	= \$ -
39405X Shoulder Rumber Strip (HMA, Type XX Inden	STA		x	= \$ -
394071 Place Hot Mix Asphalt Dike	LF		x	= \$ -
394090 Place Hot Mix Asphalt (Misc. Area)	SQYD		x	= \$ -
397005 Tack Coat	TON		x	= \$ -
401000 Concrete Pavement	CY		x	= \$ -
401108 Replace Concrete Pavement (Rapid Strength	CY		x	= \$ -
404092 Seal Pavement Joint	LF		x	= \$ -
404094 Seal Longitudinal Isolation Joint	LF		x	= \$ -
413112A Repair Spalled Joints (Polyester Grout)	SQYD		x	= \$ -
413115 Seal Existing Concrete Pavement Joint	LF		x	= \$ -
420102 Groove Existing Concrete Pavement	SQYD		x	= \$ -
420201 Grind Existing Concrete Pavement	SQYD		x	= \$ -
731502 Minor Concrete (Misc. Const)	CY		x	= \$ -
731530 Minor Concrete (Textured Paving)	SQFT		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL STRUCTURAL SECTION ITEMS	\$ -
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SECTION 3: DRAINAGE

Item code	Unit	Quantity	Unit Price (\$)	Cost
150206 Abandon Culvert	LF	x	= \$	-
150805 Remove Culvert	LF	x	= \$	-
150820 Modify Inlet	EA	x	= \$	-
152430 Adjust Inlet	LF	x	= \$	-
155003 Cap Inlet	EA	x	= \$	-
193114 Sand Backfill	CY	x	= \$	-
510502 Minor Concrete (Minor Structure)	CY	x	= \$	-
510512 Minor Concrete (Box Culvert)	CY	x	= \$	-
62XXXX XXX" APC Pipe	LF	x	= \$	-
64XXXX XXX" Plastic Pipe	LF	x	= \$	-
65XXXX XXX" RCP Pipe	LF	x	= \$	-
66XXXX XXX" CSP Pipe	LF	x	= \$	-
68XXXX Edge Drain	LF	x	= \$	-
69XXXX XXX" Pipe Downdrain	LF	x	= \$	-
70XXXX XXX" Pipe Inlet	LF	x	= \$	-
70XXXX XXX" Pipe Riser	LF	x	= \$	-
70XXXX XXX" Flared End Section	EA	x	= \$	-
703233 Grated Line Drain	LF	x	= \$	-
72XXXX Rock Slope Protection (Type and Method)	CY	x	= \$	-
721420 Concrete (Ditch Lining)	CY	x	= \$	-
721430 Concrete (Channel Lining)	CY	x	= \$	-
729010 Rock Slope Protection Fabric	SQYD	x	= \$	-
750001 Miscellaneous Iron and Steel	LB	x	= \$	-
XXXXXX Additional Drainage	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL DRAINAGE ITEMS	\$	-
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SECTION 4: SPECIALTY ITEMS

Item code	Unit	Quantity	Unit Price (\$)	Cost
070012 Progress Schedule (Critical Path Method)	LS	x	= \$	-
150662 Remove Metal Beam Guard Railing	LF	x	= \$	-
150668 Remove Terminal Systems	EA	x	= \$	-
1532XX Remove Barrier (60)	LF	x	= \$	-
153250 Remove Sound Wall	SQFT	x	= \$	-
190110 Lead Compliance Plan	LS	x	= \$	-
490601 CIDH Concrete Piling (16")	LF	686	45.00	30,870
510060 Structural Concrete (Retaining Wall)	CY	x	= \$	-
510133 Class 2 Concrete (Retaining Wall)	CY	x	= \$	-
510524 Minor Concrete (Sound Wall)	CY	x	= \$	-
5110XX Architectural Treatment (Insert Type)	SQFT	x	= \$	-
511048 Apply Anti-Graffiti Coating	SQFT	x	= \$	-
5136XX Reinforced Concrete Crib Wall (Insert Type)	SQFT	x	= \$	-
518002 Sound Wall (Masonry Block)	SQFT	8,232	20.00	164,640
520103 Bar Reinf. Steel (Retaining Wall)	LB	x	= \$	-
80XXXX Fence (Insert Type)	LF	x	= \$	-
832001 Metal Beam Guard Railing	LF	x	= \$	-
839310 Double Thrie Beam Barrier	LF	x	= \$	-
839521 Cable Railing	LF	x	= \$	-
83954X Transition Railing (Insert Type)	EA	x	= \$	-
8395XX Terminal System (Type CAT)	EA	x	= \$	-
8395XX Alternative Flared Terminal System	EA	x	= \$	-
8395XX End Anchor Assembly (Insert Type)	EA	x	= \$	-
839561 Rail Tensioning Assembly	EA	x	= \$	-
839XXX Crash Cushion (Insert Type)	EA	x	= \$	-
839701 Concrete Barrier (60)	LF	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL SPECIALTY ITEMS	\$	195,600
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SECTION 5: ENVIRONMENTAL

5A - ENVIRONMENTAL MITIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
Biological Mitigation	LS	x	= \$	-
071325 TEMPORARY REINFORCED SILT FENCE	LF	x	= \$	-
071325 Temporary Fence (Type ESA)				
Subtotal Environmental				\$ -

5B - LANDSCAPE AND IRRIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
200001 Highway Planting	LS	1 x	13,800.00 = \$	13,800
20XXXX XXX" (Insert Type) Conduit (Use for	LF	x	= \$	-
20XXXX Extend XXX" (Insert Type) Conduit	LF	x	= \$	-
201700 Imported Topsoil	CY	x	= \$	-
2030XX Erosion Control (Type __)	SQYD	x	= \$	-
203021 Fiber Rolls	LF	x	= \$	-
203026 Move In/ Move Out (Erosion Control)	EA	x	= \$	-
204099 Plant Establishment Work	LS	x	= \$	-
204101 Extend Plant Establishment (X Years)	LS	x	= \$	-
208000 Irrigation System	LS	x	= \$	-
208304 Water Meter	EA	x	= \$	-
209801 Maintenance Vehicle Pullout	EA	x	= \$	-
XXXXXX Some Item				
Subtotal Landscape and Irrigation				\$ 13,800

5C - NPDES

Item code	Unit	Quantity	Unit Price (\$)	Cost
074016 Construction Site Management	LS	x	= \$	-
074017 Prepare WPCP	LS	x	= \$	-
074019 Prepare SWPPP	LS	x	= \$	-
074023 Temporary Erosion Control	SQYD	x	= \$	-
074027 Temporary Erosion Control Blanket	SQYD	x	= \$	-
074028 Temporary Fiber Roll	LF	x	= \$	-
074032 Temporary Concrete Washout Facility	EA	x	= \$	-
074033 Temporary Construction Entrance	EA	x	= \$	-
074035 Temporary Check Dam	LF	x	= \$	-
074037 Move In/ Move Out (Temporary Erosion Cont	EA	x	= \$	-
074038 Temp. Drainage Inlet Protection	EA	x	= \$	-
074041 Street Sweeping	LS	x	= \$	-
074042 Temporary Concrete Washout (Portable)	LS	x	= \$	-
XXXXXX Some Item				

Supplemental Work for NPDES

(These costs are not accounted in total here but under Supplemental Work on sheet 7 of 11).

066595 Water Pollution Control Maintenance Sharing	LS	x	= \$	-
066596 Additional Water Pollution Control**	LS	x	= \$	-
066597 Storm Water Sampling and Analysis***	LS	x	= \$	-
XXXXXX Some Item				

Subtotal NPDES (Without Supplemental Work) \$ -

*Applies to all SWPPPs and those WPCPs with sediment control or soil stabilization BMPs.

**Applies to both SWPPPs and WPCP projects.

*** Applies only to project with SWPPPs.

TOTAL ENVIRONMENTAL	\$ 13,800
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SECTION 6: TRAFFIC ITEMS

6A - Traffic Electrical

Item code	Unit	Quantity	Unit Price (\$)	Cost
150760 Remove Sign Structure	EA	x	= \$	-
151581 Reconstruct Sign Structure	EA	x	= \$	-
152641 Modify Sign Structure	EA	x	= \$	-
5602XX Furnish Sign Structure	LB	x	= \$	-
5602XX Install Sign Structure	LB	x	= \$	-
56XXXX XXX" CIDHC Pile (Sign Foundation)	LF	x	= \$	-
860090 Maintain Existing Traffic Management	LS	x	= \$	-
860810 Inductive Loop Detectors	EA	x	= \$	-
86055X Lighting & Sign Illumination	LS	x	= \$	-
8607XX Interconnection Facilities	LS	x	= \$	-
8609XX Traffic Monitoring Stations	LS	x	= \$	-
860XXX Signals & Lighting	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
86XXXX Fiber Optic Conduit System	LS	x	= \$	-
XXXXX Some Item				
Subtotal Traffic Electrical				\$ -

6B - Traffic Signing and Striping

Item code	Unit	Quantity	Unit Price (\$)	Cost
120090 Construction Area Signs	LS	x	= \$	-
150701 Remove Yellow Painted Traffic Stripe	LF	x	= \$	-
150710 Remove Traffic Stripe	LF	x	= \$	-
150713 Remove Pavement Marking	SQFT	x	= \$	-
150742 Remove Roadside Sign	EA	x	= \$	-
152320 Reset Roadside Sign	EA	x	= \$	-
152390 Relocate Roadside Sign	EA	x	= \$	-
566011 Roadside Sign (One Post)	EA	x	= \$	-
566012 Roadside Sign (Two Post)	EA	x	= \$	-
560XXX Furnish Sign Panels	SQFT	x	= \$	-
560XXX Install Sign Panels	SQFT	x	= \$	-
82010X Delineator (Class X)	EA	x	= \$	-
84XXXX Permanent Pavement Delineation	LS	x	= \$	-
Subtotal Traffic Signing and Striping				\$ -

6C - Stage Construction and Traffic Handling

Item code	Unit	Quantity	Unit Price (\$)	Cost
120100 Traffic Control System	LS	x	= \$	-
120120 Type III Barricade	EA	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
12016X Channelizer	EA	x	= \$	-
128650 Portable Changeable Message Signs	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
129100 Temp. Crash Cushion Module	EA	x	= \$	-
129099A Traffic Plastic Drum	EA	x	= \$	-
839603A Temporary Crash Cushion (ADIEM)	EA	x	= \$	-
XXXXXX Some Item				
Subtotal Stage Construction and Traffic Handling				\$ -

TOTAL TRAFFIC ITEMS	\$ -
----------------------------	-------------

SECTION 7: DETOURS

Include constructing, maintaining, and removal

Item code	Unit	Quantity	Unit Price (\$)	Cost
0713XX Temporary Fence (Type X)	LF	x	= \$	-
07XXXX Temporary Drainage	LS	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
1286XX Temporary Signals	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
190101 Roadway Excavation	CY	x	= \$	-
198001 Imported Borrow	CY	x	= \$	-
198050 Embankment	CY	x	= \$	-
250401 Class 4 Aggregate Subbase	CY	x	= \$	-
260201 Class 2 Aggregate Base	CY	x	= \$	-
390132 Hot Mix Asphalt (Type A)	TON	x	= \$	-
XXXXXX Some Item	LS	x	= \$	-

TOTAL DETOURS	\$ -
----------------------	-------------

SUBTOTAL SECTIONS 1-7 \$ 214,400

SECTION 8: MINOR ITEMS

8A - Americans with Disabilities Act Items

ADA Items 0.0% \$ -

8B - Bike Path Items

Bike Path Items 0.0% \$ -

8C - Other Minor Items

Other Minor Items 0.0% \$ -

Total of Section 1-7 \$ 214,400 x 0.0% = \$ -

TOTAL MINOR ITEMS	\$ -
--------------------------	-------------

SECTIONS 9: MOBILIZATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
999990 Total Section 1-8	\$	214,400	x 10%	= \$ -

TOTAL MOBILIZATION	\$ -
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SECTION 10: SUPPLEMENTAL WORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
066015 Federal Trainee Program	LS	x	= \$	-
066063 Traffic Management Plan - Public Informati	LS	x	= \$	-
066090 Maintain Traffic	LS	x	= \$	-
066094 Value Analysis	LS	x	= \$	-
066204 Remove Rock & Debris	LS	x	= \$	-
066222 Locate Existing Cross-Over	LS	x	= \$	-
066670 Payment Adjustments For Price Index Fluct	LS	x	= \$	-
066700 Partnering	LS	x	= \$	-
066866 Operation of Existing Traffic Management S	LS	x	= \$	-
066920 Dispute Review Board	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

Cost of NPDES Supplemental Work specified in Section 5C = \$ -

Total Section 1-8 \$ 214,400 5% = \$ 10,720

TOTAL SUPPLEMENTAL WORK	\$ 10,800
--------------------------------	------------------

PRELIMINARY
PROJECT COST ESTIMATE

SECTION 11: STATE FURNISHED MATERIALS AND EXPENSES

Item code	Unit	Quantity	Unit Price (\$)	Cost
066063 Public Information	LS	x	=	\$0
066105 RE Office	LS	x	=	\$0
066803 Padlocks	LS	x	=	\$0
066838 Reflective Numbers and Edge Sealer	LS	x	=	\$0
066901 Water Expenses	LS	x	=	\$0
066062A COZEEP Expenses	LS	x	=	\$0
06684X Ramp Meter Controller Assembly	LS	x	=	\$0
06684X TMS Controller Assembly	LS	x	=	\$0
06684X Traffic Signal Controller Assembly	LS	x	=	\$0
XXXXXX Some Item				

Total Section 1-8 \$ 214,400 0% = \$ -

TOTAL STATE FURNISHED	\$0
------------------------------	------------

SECTION 12: TIME-RELATED OVERHEAD

Estiamted Time-Related Overhead (TRO) Percentage (0% to 10%) = 5%

Item code	Unit	Quantity	Unit Price (\$)	Cost
070018 Time-Related Overhead	WD	0	X #DIV/0! =	\$0

TOTAL TIME-RELATED OVERHEAD	\$0
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SECTION 13: CONTINGENCY

(Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)

Total Section 1-11 \$ 225,200 x 10% = \$22,520

TOTAL CONTINGENCY	\$22,600
--------------------------	-----------------

II. STRUCTURE ITEMS

DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
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DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0.00 SQFT	0.0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
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TOTAL COST OF BRIDGES	\$0.00
------------------------------	---------------

TOTAL COST OF BUILDINGS	\$0.00
--------------------------------	---------------

TOTAL COST OF STRUCTURES¹	\$0.00
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Estimate Prepared By: _____
XXXXXXXXXXXXXXXXXXXX ----- Division of Structures

_____ Date

¹Structure's Estimate includes Overhead and Mobilization.
Add more sheets if needed. Call them 9a, 9b, 9c, ..., etc

PRELIMINARY
PROJECT COST ESTIMATE

III. RIGHT OF WAY

Fill in all of the available information from the Right of Way data sheet.

A)	A1)	Acquisition, including Excess Land Purchases, Damages & Goodwill,	\$	0
	A2)	SB-1210	\$	0
B)		Acquisition of Offsite Mitigation	\$	0
C)	C1)	Utility Relocation (State Share)	\$	0
	C2)	Potholing (Design Phase)	\$	0
D)		Railroad Acquisition	\$	0
E)		Clearance / Demolition	\$	0
F)		Relocation Assistance (RAP and/or Last Resort Housing Costs)	\$	0
G)		Title and Escrow	\$	0
H)		Environmental Review	\$	0
I)		Condemnation Settlements	0%	0
		(Items G & H applied to items A + B)		
J)		Design Appreciation Factor	0%	0
K)		Utility Relocation (Construction Cost)	\$	0

L)

TOTAL RIGHT OF WAY ESTIMATE	\$0
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(Excluding Item #8 - Hazardous Waste)

M)

TOTAL R/W ESTIMATE: Escalated	\$0
--------------------------------------	------------

N)

Right of Way Support	\$	0
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Support Cost		
Estimate Prepared By	Project Coordinator ¹	Phone
Utility Estimate		
Prepared By	Utility Coordinator ²	Phone
R/W Acquisition		
Estimate Prepared By	Right of Way Estimator ³	Phone

¹ When estimate has Support Costs only ² When estimate has Utility Relocation

³ When R/W Acquisition is required

DO NOT PRINT THIS SHEET AS PART OF COST ESTIMATE ATTACHMENT TO PROJECT INITIATION OR APPROVAL DOCUMENTS.

IV. SUPPORT COST ESTIMATE SUMMARY

Please obtain a P3 report (CL#3) from PPM to fill in the support cost for these categories.

SB-45 CATEGORY SUPPORT COST	PREVIOUS	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FUTURE	P3 Total	Support Ratio
PR/ED (PD,PE,PM)											\$ -	0.00%
PS&E (PS)											\$ -	0.00%
R/W (RW)											\$ -	0.00%
CONSTRUCTION (CM)											\$ -	0.00%
Total Support Cost:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	0.00%

Note: It is assumed that the Support Costs are already escalated by Programming to the year of expenditure. Use project Programming Sheet data.

Total Capital Cost:	\$248,000
Total Capital Outlay Support Cost:	\$0
Overall Percent Support Cost:	0.00%

V. ESCALATED CONSTRUCTION COST ESTIMATE SUMMARY

Note: Right of way escalated cost are accounted for on sheet 10 of 11.

	Month	/	Year
Date of Estimate (Month/Year)	10	/	2015
Estimated Date of Construction Start (Month/Year)	0	/	0
Number of Working Days	0	WD	
Estimated Mid-Point of Construction (Month/Year)	0	/	0

YEAR	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE
FORECASTED ESCALATION											

ESCALATED CONSTRUCTION COSTS	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE	TOTAL ESCALATED COSTS
ROADWAY ITEMS	\$ 247,800	\$ 247,800	\$ 247,800	\$ 247,800	\$ 247,800	\$ 247,800	\$ 247,800	\$ 247,800	\$ 247,800	\$ 247,800	\$ 247,800	\$ 247,800
STRUCTURE ITEMS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SUBTOTAL	\$ 247,800	\$ 247,800	\$ 247,800	\$ 247,800	\$ 247,800	\$ 247,800	\$ 247,800	\$ 247,800	\$ 247,800	\$ 247,800	\$ 247,800	\$ 247,800

Approved by:

Project Control Engineer

Date

PRELIMINARY
PROJECT COST ESTIMATE
Sound Wall Cost Estimate

Project ID:

Type of Estimate : Sound Wall NB 5-1 (14' Wall)
Program Code :
Project Limits :
Description: SR41 NB Offramp E. Harvard Ave to E. Princeton Ave
Scope :
Alternative :

	Current Cost	Escalated Cost
ROADWAY ITEMS	\$ 279,300	\$ 279,300
STRUCTURE ITEMS	\$ -	\$ -
SUBTOTAL CONSTRUCTION COST	\$ 279,300	\$ 279,300
RIGHT OF WAY	\$ -	\$ -
TOTAL CAPITAL OUTLAY COST	\$ 280,000	\$ 280,000
PR/ED SUPPORT	\$ -	\$ -
PS&E SUPPORT	\$ -	\$ -
RIGHT OF WAY SUPPORT	\$ -	\$ -
CONSTRUCTION SUPPORT	\$ -	\$ -
TOTAL CAPITAL OUTLAY SUPPORT COST*	\$ -	\$ -
TOTAL PROJECT COST	\$ 280,000	\$ 280,000

If Project has been programmed enter Programmed Amount \$ -

Month / Year
10 / 2015

Date of Estimate (Month/Year)

/

Estimated Date of Construction Start (Month/Year)

Working Days

Number of Working Days

Month / Year

Estimated Mid-Point of Construction (Month/Year)

Days

Number of Plant Establishment Days

Estimated Project Schedule

PID Approval
PA/ED Approval
PS&E
RTL
Begin Construction

Approved by Project
Manager

10/30/2015

(559) 374-3111

Project Manager

Date

Phone

I. ROADWAY ITEMS SUMMARY

Section		Cost
1	Earthwork	\$ 5,000
2	Pavement Structural Section	\$ -
3	Drainage	\$ -
4	Specialty Items	\$ 223,000
5	Environmental	\$ 13,800
6	Traffic Items	\$ -
7	Detours	\$ -
8	Minor Items	\$ -
9	Roadway Mobilization	\$ -
10	Supplemental Work	\$ 12,100
11	State Furnished	\$ -
12	Contingencies	\$ 25,400
13	Overhead	\$ -
TOTAL ROADWAY ITEMS		\$ 279,300

Estimate Prepared By	Melissa Blau - Design Engineer	10/29/2015	(559) 374-3107
	Name and Title	Date	Phone

Estimate Reviewed By	Edgar Noriega - Project Manager	10/30/2015	(559) 374-3111
	Name and Title	Date	Phone

By signing this estimate you are attesting that you have discussed your project with all functional units and have incorporated all their comments or have discussed with them why they will not be incorporated.

PRELIMINARY
PROJECT COST ESTIMATE

SECTION 1: EARTHWORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
160101 Clearing & Grubbing	LS	1	x 5,000.00	= \$ 5,000
170101 Develop Water Supply	LS		x	= \$ -
190101 Roadway Excavation	CY		x	= \$ -
190103 Roadway Excavation (Type Y) ADL	CY		x	= \$ -
190105 Roadway Excavation (Type Z-2) ADL	CY		x	= \$ -
192037 Structure Excavation (Retaining Wall)	CY		x	= \$ -
193013 Structure Backfill (Retaining Wall)	CY		x	= \$ -
193031 Pervious Backfill Material (Retaining Wall)	CY		x	= \$ -
194001 Ditch Excavation	CY		x	= \$ -
198001 Impored Borrow	CY		x	= \$ -
198007 Imported Material (Shoulder Backing)	TON		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL EARTHWORK SECTION ITEMS	\$ 5,000
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SECTION 2: PAVEMENT STRUCTURAL SECTION

Item code	Unit	Quantity	Unit Price (\$)	Cost
150771 Remove Asphalt Concrete Dike	LF		x	= \$ -
150860 Remove Base and Surfacing	CY		x	= \$ -
153103 Cold Plane Asphalt Concrete Pavement	SQYD		x	= \$ -
1532XX Remove Concrete (type)	CY		x	= \$ -
250401 Class 4 Aggregate Subbase	CY		x	= \$ -
260201 Class 2 Aggregate Base	CY		x	= \$ -
290201 Asphalt Treated Permeable Base	CY		x	= \$ -
365001 Sand Cover	TON		x	= \$ -
374002 Asphaltic Emulsion (Fog Seal Coat)	TON		x	= \$ -
374492 Asphaltic Emulsion (Polymer Modified)	TON		x	= \$ -
3750XX Screenings (Type XX)	TON		x	= \$ -
377501 Slurry Seal	TON		x	= \$ -
390095 Replace Asphalt Concrete Surfacing	CY		x	= \$ -
390132 Hot Mix Asphalt (Type A)	TON		x	= \$ -
390136 Minor Hot Mix Asphalt	TON		x	= \$ -
390137 Rubberized Hot Mix Asphalt (Gap Graded)	TON		x	= \$ -
393003 Geosynthetic Pavement Interlayer	SQYD		x	= \$ -
39405X Shoulder Rumber Strip (HMA, Type XX Inden	STA		x	= \$ -
394071 Place Hot Mix Asphalt Dike	LF		x	= \$ -
394090 Place Hot Mix Asphalt (Misc. Area)	SQYD		x	= \$ -
397005 Tack Coat	TON		x	= \$ -
401000 Concrete Pavement	CY		x	= \$ -
401108 Replace Concrete Pavement (Rapid Strength	CY		x	= \$ -
404092 Seal Pavement Joint	LF		x	= \$ -
404094 Seal Longitudinal Isolation Joint	LF		x	= \$ -
413112A Repair Spalled Joints (Polyester Grout)	SQYD		x	= \$ -
413115 Seal Existing Concrete Pavement Joint	LF		x	= \$ -
420102 Groove Existing Concrete Pavement	SQYD		x	= \$ -
420201 Grind Existing Concrete Pavement	SQYD		x	= \$ -
731502 Minor Concrete (Misc. Const)	CY		x	= \$ -
731530 Minor Concrete (Textured Paving)	SQFT		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL STRUCTURAL SECTION ITEMS	\$ -
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SECTION 3: DRAINAGE

Item code	Unit	Quantity	Unit Price (\$)	Cost
150206 Abandon Culvert	LF	x	= \$	-
150805 Remove Culvert	LF	x	= \$	-
150820 Modify Inlet	EA	x	= \$	-
152430 Adjust Inlet	LF	x	= \$	-
155003 Cap Inlet	EA	x	= \$	-
193114 Sand Backfill	CY	x	= \$	-
510502 Minor Concrete (Minor Structure)	CY	x	= \$	-
510512 Minor Concrete (Box Culvert)	CY	x	= \$	-
62XXXX XXX" APC Pipe	LF	x	= \$	-
64XXXX XXX" Plastic Pipe	LF	x	= \$	-
65XXXX XXX" RCP Pipe	LF	x	= \$	-
66XXXX XXX" CSP Pipe	LF	x	= \$	-
68XXXX Edge Drain	LF	x	= \$	-
69XXXX XXX" Pipe Downdrain	LF	x	= \$	-
70XXXX XXX" Pipe Inlet	LF	x	= \$	-
70XXXX XXX" Pipe Riser	LF	x	= \$	-
70XXXX XXX" Flared End Section	EA	x	= \$	-
703233 Grated Line Drain	LF	x	= \$	-
72XXXX Rock Slope Protection (Type and Method)	CY	x	= \$	-
721420 Concrete (Ditch Lining)	CY	x	= \$	-
721430 Concrete (Channel Lining)	CY	x	= \$	-
729010 Rock Slope Protection Fabric	SQYD	x	= \$	-
750001 Miscellaneous Iron and Steel	LB	x	= \$	-
XXXXXX Additional Drainage	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL DRAINAGE ITEMS	\$	-
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SECTION 4: SPECIALTY ITEMS

Item code	Unit	Quantity	Unit Price (\$)	Cost
070012 Progress Schedule (Critical Path Method)	LS	x	= \$	-
150662 Remove Metal Beam Guard Railing	LF	x	= \$	-
150668 Remove Terminal Systems	EA	x	= \$	-
1532XX Remove Barrier (60)	LF	x	= \$	-
153250 Remove Sound Wall	SQFT	x	= \$	-
190110 Lead Compliance Plan	LS	x	= \$	-
490601 CIDH Concrete Piling (16")	LF	686	45.00	30,870
510060 Structural Concrete (Retaining Wall)	CY	x	= \$	-
510133 Class 2 Concrete (Retaining Wall)	CY	x	= \$	-
510524 Minor Concrete (Sound Wall)	CY	x	= \$	-
5110XX Architectural Treatment (Insert Type)	SQFT	x	= \$	-
511048 Apply Anti-Graffiti Coating	SQFT	x	= \$	-
5136XX Reinforced Concrete Crib Wall (Insert Type)	SQFT	x	= \$	-
518002 Sound Wall (Masonry Block)	SQFT	9,604	20.00	192,080
520103 Bar Reinf. Steel (Retaining Wall)	LB	x	= \$	-
80XXXX Fence (Insert Type)	LF	x	= \$	-
832001 Metal Beam Guard Railing	LF	x	= \$	-
839310 Double Thrie Beam Barrier	LF	x	= \$	-
839521 Cable Railing	LF	x	= \$	-
83954X Transition Railing (Insert Type)	EA	x	= \$	-
8395XX Terminal System (Type CAT)	EA	x	= \$	-
8395XX Alternative Flared Terminal System	EA	x	= \$	-
8395XX End Anchor Assembly (Insert Type)	EA	x	= \$	-
839561 Rail Tensioning Assembly	EA	x	= \$	-
839XXX Crash Cushion (Insert Type)	EA	x	= \$	-
839701 Concrete Barrier (60)	LF	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL SPECIALTY ITEMS	\$	223,000
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SECTION 5: ENVIRONMENTAL

5A - ENVIRONMENTAL MITIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
Biological Mitigation	LS	x	= \$	-
071325 TEMPORARY REINFORCED SILT FENCE	LF	x	= \$	-
071325 Temporary Fence (Type ESA)				
Subtotal Environmental				\$ -

5B - LANDSCAPE AND IRRIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
200001 Highway Planting	LS	1 x	13,800.00 = \$	13,800
20XXXX XXX" (Insert Type) Conduit (Use for	LF	x	= \$	-
20XXXX Extend XXX" (Insert Type) Conduit	LF	x	= \$	-
201700 Imported Topsoil	CY	x	= \$	-
2030XX Erosion Control (Type __)	SQYD	x	= \$	-
203021 Fiber Rolls	LF	x	= \$	-
203026 Move In/ Move Out (Erosion Control)	EA	x	= \$	-
204099 Plant Establishment Work	LS	x	= \$	-
204101 Extend Plant Establishment (X Years)	LS	x	= \$	-
208000 Irrigation System	LS	x	= \$	-
208304 Water Meter	EA	x	= \$	-
209801 Maintenance Vehicle Pullout	EA	x	= \$	-
XXXXXX Some Item				
Subtotal Landscape and Irrigation				\$ 13,800

5C - NPDES

Item code	Unit	Quantity	Unit Price (\$)	Cost
074016 Construction Site Management	LS	x	= \$	-
074017 Prepare WPCP	LS	x	= \$	-
074019 Prepare SWPPP	LS	x	= \$	-
074023 Temporary Erosion Control	SQYD	x	= \$	-
074027 Temporary Erosion Control Blanket	SQYD	x	= \$	-
074028 Temporary Fiber Roll	LF	x	= \$	-
074032 Temporary Concrete Washout Facility	EA	x	= \$	-
074033 Temporary Construction Entrance	EA	x	= \$	-
074035 Temporary Check Dam	LF	x	= \$	-
074037 Move In/ Move Out (Temporary Erosion Control)	EA	x	= \$	-
074038 Temp. Drainage Inlet Protection	EA	x	= \$	-
074041 Street Sweeping	LS	x	= \$	-
074042 Temporary Concrete Washout (Portable)	LS	x	= \$	-
XXXXXX Some Item				

Supplemental Work for NPDES

(These costs are not accounted in total here but under Supplemental Work on sheet 7 of 11).

066595 Water Pollution Control Maintenance Sharing	LS	x	= \$	-
066596 Additional Water Pollution Control**	LS	x	= \$	-
066597 Storm Water Sampling and Analysis***	LS	x	= \$	-
XXXXXX Some Item				

Subtotal NPDES (Without Supplemental Work) \$ -

*Applies to all SWPPPs and those WPCPs with sediment control or soil stabilization BMPs.

**Applies to both SWPPPs and WPCP projects.

*** Applies only to project with SWPPPs.

TOTAL ENVIRONMENTAL	\$ 13,800
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SECTION 6: TRAFFIC ITEMS

6A - Traffic Electrical

Item code	Unit	Quantity	Unit Price (\$)	Cost
150760 Remove Sign Structure	EA	x	= \$	-
151581 Reconstruct Sign Structure	EA	x	= \$	-
152641 Modify Sign Structure	EA	x	= \$	-
5602XX Furnish Sign Structure	LB	x	= \$	-
5602XX Install Sign Structure	LB	x	= \$	-
56XXXX XXX" CIDHC Pile (Sign Foundation)	LF	x	= \$	-
860090 Maintain Existing Traffic Management	LS	x	= \$	-
860810 Inductive Loop Detectors	EA	x	= \$	-
86055X Lighting & Sign Illumination	LS	x	= \$	-
8607XX Interconnection Facilities	LS	x	= \$	-
8609XX Traffic Monitoring Stations	LS	x	= \$	-
860XXX Signals & Lighting	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
86XXXX Fiber Optic Conduit System	LS	x	= \$	-
XXXXX Some Item				
Subtotal Traffic Electrical				\$ -

6B - Traffic Signing and Striping

Item code	Unit	Quantity	Unit Price (\$)	Cost
120090 Construction Area Signs	LS	x	= \$	-
150701 Remove Yellow Painted Traffic Stripe	LF	x	= \$	-
150710 Remove Traffic Stripe	LF	x	= \$	-
150713 Remove Pavement Marking	SQFT	x	= \$	-
150742 Remove Roadside Sign	EA	x	= \$	-
152320 Reset Roadside Sign	EA	x	= \$	-
152390 Relocate Roadside Sign	EA	x	= \$	-
566011 Roadside Sign (One Post)	EA	x	= \$	-
566012 Roadside Sign (Two Post)	EA	x	= \$	-
560XXX Furnish Sign Panels	SQFT	x	= \$	-
560XXX Install Sign Panels	SQFT	x	= \$	-
82010X Delineator (Class X)	EA	x	= \$	-
84XXXX Permanent Pavement Delineation	LS	x	= \$	-
Subtotal Traffic Signing and Striping				\$ -

6C - Stage Construction and Traffic Handling

Item code	Unit	Quantity	Unit Price (\$)	Cost
120100 Traffic Control System	LS	x	= \$	-
120120 Type III Barricade	EA	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
12016X Channelizer	EA	x	= \$	-
128650 Portable Changeable Message Signs	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
129100 Temp. Crash Cushion Module	EA	x	= \$	-
129099A Traffic Plastic Drum	EA	x	= \$	-
839603A Temporary Crash Cushion (ADIEM)	EA	x	= \$	-
XXXXXX Some Item				
Subtotal Stage Construction and Traffic Handling				\$ -

TOTAL TRAFFIC ITEMS	\$ -
----------------------------	-------------

SECTION 7: DETOURS

Include constructing, maintaining, and removal

Item code	Unit	Quantity	Unit Price (\$)	Cost
0713XX Temporary Fence (Type X)	LF	x	= \$	-
07XXXX Temporary Drainage	LS	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
1286XX Temporary Signals	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
190101 Roadway Excavation	CY	x	= \$	-
198001 Imported Borrow	CY	x	= \$	-
198050 Embankment	CY	x	= \$	-
250401 Class 4 Aggregate Subbase	CY	x	= \$	-
260201 Class 2 Aggregate Base	CY	x	= \$	-
390132 Hot Mix Asphalt (Type A)	TON	x	= \$	-
XXXXXX Some Item	LS	x	= \$	-

TOTAL DETOURS	\$ -
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SUBTOTAL SECTIONS 1-7 \$ 241,800

SECTION 8: MINOR ITEMS

8A - Americans with Disabilities Act Items

ADA Items 0.0% \$ -

8B - Bike Path Items

Bike Path Items 0.0% \$ -

8C - Other Minor Items

Other Minor Items 0.0% \$ -

Total of Section 1-7 \$ 241,800 x 0.0% = \$ -

TOTAL MINOR ITEMS	\$ -
--------------------------	-------------

SECTIONS 9: MOBILIZATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
999990 Total Section 1-8	\$	241,800	x 10%	= \$ -

TOTAL MOBILIZATION	\$ -
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SECTION 10: SUPPLEMENTAL WORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
066015 Federal Trainee Program	LS	x	= \$	-
066063 Traffic Management Plan - Public Informati	LS	x	= \$	-
066090 Maintain Traffic	LS	x	= \$	-
066094 Value Analysis	LS	x	= \$	-
066204 Remove Rock & Debris	LS	x	= \$	-
066222 Locate Existing Cross-Over	LS	x	= \$	-
066670 Payment Adjustments For Price Index Fluct	LS	x	= \$	-
066700 Partnering	LS	x	= \$	-
066866 Operation of Existing Traffic Management S	LS	x	= \$	-
066920 Dispute Review Board	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

Cost of NPDES Supplemental Work specified in Section 5C = \$ -

Total Section 1-8 \$ 241,800 5% = \$ 12,090

TOTAL SUPPLEMENTAL WORK	\$ 12,100
--------------------------------	------------------

PRELIMINARY
PROJECT COST ESTIMATE

SECTION 11: STATE FURNISHED MATERIALS AND EXPENSES

Item code	Unit	Quantity	Unit Price (\$)	Cost
066063 Public Information	LS	x	=	\$0
066105 RE Office	LS	x	=	\$0
066803 Padlocks	LS	x	=	\$0
066838 Reflective Numbers and Edge Sealer	LS	x	=	\$0
066901 Water Expenses	LS	x	=	\$0
066062A COZEEP Expenses	LS	x	=	\$0
06684X Ramp Meter Controller Assembly	LS	x	=	\$0
06684X TMS Controller Assembly	LS	x	=	\$0
06684X Traffic Signal Controller Assembly	LS	x	=	\$0
XXXXXX Some Item				

Total Section 1-8 \$ 241,800 0% = \$ -

TOTAL STATE FURNISHED	\$0
------------------------------	------------

SECTION 12: TIME-RELATED OVERHEAD

Estiamted Time-Releated Overhead (TRO) Percentage (0% to 10%) = 5%

Item code	Unit	Quantity	Unit Price (\$)	Cost
070018 Time-Related Overhead	WD	0	X #DIV/0! =	\$0

TOTAL TIME-RELATED OVERHEAD	\$0
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SECTION 13: CONTINGENCY

(Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)

Total Section 1-11 \$ 253,900 x 10% = \$25,390

TOTAL CONTINGENCY	\$25,400
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II. STRUCTURE ITEMS

DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
-----------------------------------	---------------	---------------	---------------

DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0.0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
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TOTAL COST OF BRIDGES	\$0.00
TOTAL COST OF BUILDINGS	\$0.00

TOTAL COST OF STRUCTURES¹	\$0.00
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Estimate Prepared By: _____
XXXXXXXXXXXXXXXXXXXX ----- Division of Structures

_____ Date

¹Structure's Estimate includes Overhead and Mobilization.
Add more sheets if needed. Call them 9a, 9b, 9c, ..., etc

PRELIMINARY
PROJECT COST ESTIMATE

III. RIGHT OF WAY

Fill in all of the available information from the Right of Way data sheet.

A)	A1)	Acquisition, including Excess Land Purchases, Damages & Goodwill,	\$	0
	A2)	SB-1210	\$	0
B)		Acquisition of Offsite Mitigation	\$	0
C)	C1)	Utility Relocation (State Share)	\$	0
	C2)	Potholing (Design Phase)	\$	0
D)		Railroad Acquisition	\$	0
E)		Clearance / Demolition	\$	0
F)		Relocation Assistance (RAP and/or Last Resort Housing Costs)	\$	0
G)		Title and Escrow	\$	0
H)		Environmental Review	\$	0
I)		Condemnation Settlements	0%	0
		(Items G & H applied to items A + B)		
J)		Design Appreciation Factor	0%	0
K)		Utility Relocation (Construction Cost)	\$	0

L)

TOTAL RIGHT OF WAY ESTIMATE	\$0
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(Excluding Item #8 - Hazardous Waste)

M)

TOTAL R/W ESTIMATE: Escalated	\$0
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N)

Right of Way Support	\$	0
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Support Cost		
Estimate Prepared By	Project Coordinator ¹	Phone
Utility Estimate		
Prepared By	Utility Coordinator ²	Phone
R/W Acquisition		
Estimate Prepared By	Right of Way Estimator ³	Phone

¹ When estimate has Support Costs only ² When estimate has Utility Relocation

³ When R/W Acquisition is required

DO NOT PRINT THIS SHEET AS PART OF COST ESTIMATE ATTACHMENT TO PROJECT INITIATION OR APPROVAL DOCUMENTS.

IV. SUPPORT COST ESTIMATE SUMMARY

Please obtain a P3 report (CL#3) from PPM to fill in the support cost for these categories.

SB-45 CATEGORY SUPPORT COST	PREVIOUS	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FUTURE	P3 Total	Support Ratio
PR/ED (PD,PE,PM)											\$ -	0.00%
PS&E (PS)											\$ -	0.00%
R/W (RW)											\$ -	0.00%
CONSTRUCTION (CM)											\$ -	0.00%
Total Support Cost:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	0.00%

Note: It is assumed that the Support Costs are already escalated by Programming to the year of expenditure. Use project Programming Sheet data.

Total Capital Cost:	\$280,000
Total Capital Outlay Support Cost:	\$0
Overall Percent Support Cost:	0.00%

V. ESCALATED CONSTRUCTION COST ESTIMATE SUMMARY

Note: Right of way escalated cost are accounted for on sheet 10 of 11.

	Month	/	Year
Date of Estimate (Month/Year)	10	/	2015
Estimated Date of Construction Start (Month/Year)	0	/	0
Number of Working Days	0	WD	
Estimated Mid-Point of Construction (Month/Year)	0	/	0

YEAR	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE
FORECASTED ESCALATION											

ESCALATED CONSTRUCTION COSTS	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE	TOTAL ESCALATED COSTS
ROADWAY ITEMS	\$ 279,300	\$ 279,300	\$ 279,300	\$ 279,300	\$ 279,300	\$ 279,300	\$ 279,300	\$ 279,300	\$ 279,300	\$ 279,300	\$ 279,300	\$ 279,300
STRUCTURE ITEMS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SUBTOTAL	\$ 279,300	\$ 279,300	\$ 279,300	\$ 279,300	\$ 279,300	\$ 279,300	\$ 279,300	\$ 279,300	\$ 279,300	\$ 279,300	\$ 279,300	\$ 279,300

Approved by:

Project Control Engineer

Date

PRELIMINARY
PROJECT COST ESTIMATE
Sound Wall Cost Estimate

Project ID:

Type of Estimate : Sound Wall NB 5-1 (16' Wall)
Program Code :
Project Limits :
Description: SR41 NB Offramp E. Harvard Ave to E. Princeton Ave
Scope :
Alternative :

	Current Cost	Escalated Cost
ROADWAY ITEMS	\$ 311,000	\$ 311,000
STRUCTURE ITEMS	\$ -	\$ -
SUBTOTAL CONSTRUCTION COST	\$ 311,000	\$ 311,000
RIGHT OF WAY	\$ -	\$ -
TOTAL CAPITAL OUTLAY COST	\$ 311,000	\$ 311,000
PR/ED SUPPORT	\$ -	\$ -
PS&E SUPPORT	\$ -	\$ -
RIGHT OF WAY SUPPORT	\$ -	\$ -
CONSTRUCTION SUPPORT	\$ -	\$ -
TOTAL CAPITAL OUTLAY SUPPORT COST*	\$ -	\$ -
TOTAL PROJECT COST	\$ 315,000	\$ 315,000

If Project has been programmed enter Programmed Amount \$ -

Month / Year
10 / 2015

Date of Estimate (Month/Year)

/

Estimated Date of Construction Start (Month/Year)

Working Days

Number of Working Days

Month / Year

Estimated Mid-Point of Construction (Month/Year)

Days

Number of Plant Establishment Days

Estimated Project Schedule

PID Approval
PA/ED Approval
PS&E
RTL
Begin Construction

Approved by Project
Manager

10/30/2015

(559) 374-3111

Project Manager

Date

Phone

I. ROADWAY ITEMS SUMMARY

Section		Cost
1	Earthwork	\$ 5,000
2	Pavement Structural Section	\$ -
3	Drainage	\$ -
4	Specialty Items	\$ 250,400
5	Environmental	\$ 13,800
6	Traffic Items	\$ -
7	Detours	\$ -
8	Minor Items	\$ -
9	Roadway Mobilization	\$ -
10	Supplemental Work	\$ 13,500
11	State Furnished	\$ -
12	Contingencies	\$ 28,300
13	Overhead	\$ -
TOTAL ROADWAY ITEMS		\$ 311,000

Estimate Prepared By	Melissa Blau - Design Engineer	10/29/2015	(559) 374-3107
	Name and Title	Date	Phone

Estimate Reviewed By	Edgar Noriega - Project Manager	10/30/2015	(559) 374-3111
	Name and Title	Date	Phone

By signing this estimate you are attesting that you have discussed your project with all functional units and have incorporated all their comments or have discussed with them why they will not be incorporated.

PRELIMINARY
PROJECT COST ESTIMATE

SECTION 1: EARTHWORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
160101 Clearing & Grubbing	LS	1	x 5,000.00	= \$ 5,000
170101 Develop Water Supply	LS		x	= \$ -
190101 Roadway Excavation	CY		x	= \$ -
190103 Roadway Excavation (Type Y) ADL	CY		x	= \$ -
190105 Roadway Excavation (Type Z-2) ADL	CY		x	= \$ -
192037 Structure Excavation (Retaining Wall)	CY		x	= \$ -
193013 Structure Backfill (Retaining Wall)	CY		x	= \$ -
193031 Pervious Backfill Material (Retaining Wall)	CY		x	= \$ -
194001 Ditch Excavation	CY		x	= \$ -
198001 Impored Borrow	CY		x	= \$ -
198007 Imported Material (Shoulder Backing)	TON		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL EARTHWORK SECTION ITEMS	\$ 5,000
--------------------------------------	-----------------

SECTION 2: PAVEMENT STRUCTURAL SECTION

Item code	Unit	Quantity	Unit Price (\$)	Cost
150771 Remove Asphalt Concrete Dike	LF		x	= \$ -
150860 Remove Base and Surfacing	CY		x	= \$ -
153103 Cold Plane Asphalt Concrete Pavement	SQYD		x	= \$ -
1532XX Remove Concrete (type)	CY		x	= \$ -
250401 Class 4 Aggregate Subbase	CY		x	= \$ -
260201 Class 2 Aggregate Base	CY		x	= \$ -
290201 Asphalt Treated Permeable Base	CY		x	= \$ -
365001 Sand Cover	TON		x	= \$ -
374002 Asphaltic Emulsion (Fog Seal Coat)	TON		x	= \$ -
374492 Asphaltic Emulsion (Polymer Modified)	TON		x	= \$ -
3750XX Screenings (Type XX)	TON		x	= \$ -
377501 Slurry Seal	TON		x	= \$ -
390095 Replace Asphalt Concrete Surfacing	CY		x	= \$ -
390132 Hot Mix Asphalt (Type A)	TON		x	= \$ -
390136 Minor Hot Mix Asphalt	TON		x	= \$ -
390137 Rubberized Hot Mix Asphalt (Gap Graded)	TON		x	= \$ -
393003 Geosynthetic Pavement Interlayer	SQYD		x	= \$ -
39405X Shoulder Rumber Strip (HMA, Type XX Inden	STA		x	= \$ -
394071 Place Hot Mix Asphalt Dike	LF		x	= \$ -
394090 Place Hot Mix Asphalt (Misc. Area)	SQYD		x	= \$ -
397005 Tack Coat	TON		x	= \$ -
401000 Concrete Pavement	CY		x	= \$ -
401108 Replace Concrete Pavement (Rapid Strength	CY		x	= \$ -
404092 Seal Pavement Joint	LF		x	= \$ -
404094 Seal Longitudinal Isolation Joint	LF		x	= \$ -
413112A Repair Spalled Joints (Polyester Grout)	SQYD		x	= \$ -
413115 Seal Existing Concrete Pavement Joint	LF		x	= \$ -
420102 Groove Existing Concrete Pavement	SQYD		x	= \$ -
420201 Grind Existing Concrete Pavement	SQYD		x	= \$ -
731502 Minor Concrete (Misc. Const)	CY		x	= \$ -
731530 Minor Concrete (Textured Paving)	SQFT		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL STRUCTURAL SECTION ITEMS	\$ -
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SECTION 3: DRAINAGE

Item code	Unit	Quantity	Unit Price (\$)	Cost
150206 Abandon Culvert	LF	x	= \$	-
150805 Remove Culvert	LF	x	= \$	-
150820 Modify Inlet	EA	x	= \$	-
152430 Adjust Inlet	LF	x	= \$	-
155003 Cap Inlet	EA	x	= \$	-
193114 Sand Backfill	CY	x	= \$	-
510502 Minor Concrete (Minor Structure)	CY	x	= \$	-
510512 Minor Concrete (Box Culvert)	CY	x	= \$	-
62XXXX XXX" APC Pipe	LF	x	= \$	-
64XXXX XXX" Plastic Pipe	LF	x	= \$	-
65XXXX XXX" RCP Pipe	LF	x	= \$	-
66XXXX XXX" CSP Pipe	LF	x	= \$	-
68XXXX Edge Drain	LF	x	= \$	-
69XXXX XXX" Pipe Downdrain	LF	x	= \$	-
70XXXX XXX" Pipe Inlet	LF	x	= \$	-
70XXXX XXX" Pipe Riser	LF	x	= \$	-
70XXXX XXX" Flared End Section	EA	x	= \$	-
703233 Grated Line Drain	LF	x	= \$	-
72XXXX Rock Slope Protection (Type and Method)	CY	x	= \$	-
721420 Concrete (Ditch Lining)	CY	x	= \$	-
721430 Concrete (Channel Lining)	CY	x	= \$	-
729010 Rock Slope Protection Fabric	SQYD	x	= \$	-
750001 Miscellaneous Iron and Steel	LB	x	= \$	-
XXXXXX Additional Drainage	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL DRAINAGE ITEMS	\$	-
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SECTION 4: SPECIALTY ITEMS

Item code	Unit	Quantity	Unit Price (\$)	Cost
070012 Progress Schedule (Critical Path Method)	LS	x	= \$	-
150662 Remove Metal Beam Guard Railing	LF	x	= \$	-
150668 Remove Terminal Systems	EA	x	= \$	-
1532XX Remove Barrier (60)	LF	x	= \$	-
153250 Remove Sound Wall	SQFT	x	= \$	-
190110 Lead Compliance Plan	LS	x	= \$	-
490601 CIDH Concrete Piling (16")	LF	686	45.00	30,870
510060 Structural Concrete (Retaining Wall)	CY	x	= \$	-
510133 Class 2 Concrete (Retaining Wall)	CY	x	= \$	-
510524 Minor Concrete (Sound Wall)	CY	x	= \$	-
5110XX Architectural Treatment (Insert Type)	SQFT	x	= \$	-
511048 Apply Anti-Graffiti Coating	SQFT	x	= \$	-
5136XX Reinforced Concrete Crib Wall (Insert Type)	SQFT	x	= \$	-
518002 Sound Wall (Masonry Block)	SQFT	10,976	20.00	219,520
520103 Bar Reinf. Steel (Retaining Wall)	LB	x	= \$	-
80XXXX Fence (Insert Type)	LF	x	= \$	-
832001 Metal Beam Guard Railing	LF	x	= \$	-
839310 Double Thrie Beam Barrier	LF	x	= \$	-
839521 Cable Railing	LF	x	= \$	-
83954X Transition Railing (Insert Type)	EA	x	= \$	-
8395XX Terminal System (Type CAT)	EA	x	= \$	-
8395XX Alternative Flared Terminal System	EA	x	= \$	-
8395XX End Anchor Assembly (Insert Type)	EA	x	= \$	-
839561 Rail Tensioning Assembly	EA	x	= \$	-
839XXX Crash Cushion (Insert Type)	EA	x	= \$	-
839701 Concrete Barrier (60)	LF	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL SPECIALTY ITEMS	\$	250,400
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SECTION 5: ENVIRONMENTAL

5A - ENVIRONMENTAL MITIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
Biological Mitigation	LS	x	= \$	-
071325 TEMPORARY REINFORCED SILT FENCE	LF	x	= \$	-
071325 Temporary Fence (Type ESA)				
Subtotal Environmental				\$ -

5B - LANDSCAPE AND IRRIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
200001 Highway Planting	LS	1 x	13,800.00 = \$	13,800
20XXXX XXX" (Insert Type) Conduit (Use for	LF	x	= \$	-
20XXXX Extend XXX" (Insert Type) Conduit	LF	x	= \$	-
201700 Imported Topsoil	CY	x	= \$	-
2030XX Erosion Control (Type __)	SQYD	x	= \$	-
203021 Fiber Rolls	LF	x	= \$	-
203026 Move In/ Move Out (Erosion Control)	EA	x	= \$	-
204099 Plant Establishment Work	LS	x	= \$	-
204101 Extend Plant Establishment (X Years)	LS	x	= \$	-
208000 Irrigation System	LS	x	= \$	-
208304 Water Meter	EA	x	= \$	-
209801 Maintenance Vehicle Pullout	EA	x	= \$	-
XXXXXX Some Item				
Subtotal Landscape and Irrigation				\$ 13,800

5C - NPDES

Item code	Unit	Quantity	Unit Price (\$)	Cost
074016 Construction Site Management	LS	x	= \$	-
074017 Prepare WPCP	LS	x	= \$	-
074019 Prepare SWPPP	LS	x	= \$	-
074023 Temporary Erosion Control	SQYD	x	= \$	-
074027 Temporary Erosion Control Blanket	SQYD	x	= \$	-
074028 Temporary Fiber Roll	LF	x	= \$	-
074032 Temporary Concrete Washout Facility	EA	x	= \$	-
074033 Temporary Construction Entrance	EA	x	= \$	-
074035 Temporary Check Dam	LF	x	= \$	-
074037 Move In/ Move Out (Temporary Erosion Control)	EA	x	= \$	-
074038 Temp. Drainage Inlet Protection	EA	x	= \$	-
074041 Street Sweeping	LS	x	= \$	-
074042 Temporary Concrete Washout (Portable)	LS	x	= \$	-
XXXXXX Some Item				

Supplemental Work for NPDES

(These costs are not accounted in total here but under Supplemental Work on sheet 7 of 11).

066595 Water Pollution Control Maintenance Sharing	LS	x	= \$	-
066596 Additional Water Pollution Control**	LS	x	= \$	-
066597 Storm Water Sampling and Analysis***	LS	x	= \$	-
XXXXXX Some Item				

Subtotal NPDES (Without Supplemental Work) \$ -

*Applies to all SWPPPs and those WPCPs with sediment control or soil stabilization BMPs.

**Applies to both SWPPPs and WPCP projects.

*** Applies only to project with SWPPPs.

TOTAL ENVIRONMENTAL	\$ 13,800
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SECTION 6: TRAFFIC ITEMS

6A - Traffic Electrical

Item code	Unit	Quantity	Unit Price (\$)	Cost
150760 Remove Sign Structure	EA	x	= \$	-
151581 Reconstruct Sign Structure	EA	x	= \$	-
152641 Modify Sign Structure	EA	x	= \$	-
5602XX Furnish Sign Structure	LB	x	= \$	-
5602XX Install Sign Structure	LB	x	= \$	-
56XXXX XXX" CIDHC Pile (Sign Foundation)	LF	x	= \$	-
860090 Maintain Existing Traffic Management	LS	x	= \$	-
860810 Inductive Loop Detectors	EA	x	= \$	-
86055X Lighting & Sign Illumination	LS	x	= \$	-
8607XX Interconnection Facilities	LS	x	= \$	-
8609XX Traffic Monitoring Stations	LS	x	= \$	-
860XXX Signals & Lighting	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
86XXXX Fiber Optic Conduit System	LS	x	= \$	-
XXXXX Some Item				
Subtotal Traffic Electrical				\$ -

6B - Traffic Signing and Striping

Item code	Unit	Quantity	Unit Price (\$)	Cost
120090 Construction Area Signs	LS	x	= \$	-
150701 Remove Yellow Painted Traffic Stripe	LF	x	= \$	-
150710 Remove Traffic Stripe	LF	x	= \$	-
150713 Remove Pavement Marking	SQFT	x	= \$	-
150742 Remove Roadside Sign	EA	x	= \$	-
152320 Reset Roadside Sign	EA	x	= \$	-
152390 Relocate Roadside Sign	EA	x	= \$	-
566011 Roadside Sign (One Post)	EA	x	= \$	-
566012 Roadside Sign (Two Post)	EA	x	= \$	-
560XXX Furnish Sign Panels	SQFT	x	= \$	-
560XXX Install Sign Panels	SQFT	x	= \$	-
82010X Delineator (Class X)	EA	x	= \$	-
84XXXX Permanent Pavement Delineation	LS	x	= \$	-
Subtotal Traffic Signing and Striping				\$ -

6C - Stage Construction and Traffic Handling

Item code	Unit	Quantity	Unit Price (\$)	Cost
120100 Traffic Control System	LS	x	= \$	-
120120 Type III Barricade	EA	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
12016X Channelizer	EA	x	= \$	-
128650 Portable Changeable Message Signs	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
129100 Temp. Crash Cushion Module	EA	x	= \$	-
129099A Traffic Plastic Drum	EA	x	= \$	-
839603A Temporary Crash Cushion (ADIEM)	EA	x	= \$	-
XXXXXX Some Item				
Subtotal Stage Construction and Traffic Handling				\$ -

TOTAL TRAFFIC ITEMS	\$ -
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SECTION 7: DETOURS

Include constructing, maintaining, and removal

Item code	Unit	Quantity	Unit Price (\$)	Cost
0713XX Temporary Fence (Type X)	LF	x	= \$	-
07XXXX Temporary Drainage	LS	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
1286XX Temporary Signals	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
190101 Roadway Excavation	CY	x	= \$	-
198001 Imported Borrow	CY	x	= \$	-
198050 Embankment	CY	x	= \$	-
250401 Class 4 Aggregate Subbase	CY	x	= \$	-
260201 Class 2 Aggregate Base	CY	x	= \$	-
390132 Hot Mix Asphalt (Type A)	TON	x	= \$	-
XXXXXX Some Item	LS	x	= \$	-

TOTAL DETOURS	\$	-
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SUBTOTAL SECTIONS 1-7 \$ 269,200

SECTION 8: MINOR ITEMS

8A - Americans with Disabilities Act Items

ADA Items 0.0% \$ -

8B - Bike Path Items

Bike Path Items 0.0% \$ -

8C - Other Minor Items

Other Minor Items 0.0% \$ -

Total of Section 1-7 \$ 269,200 x 0.0% = \$ -

TOTAL MINOR ITEMS	\$	-
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SECTIONS 9: MOBILIZATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
999990 Total Section 1-8	\$	269,200	x 10%	= \$ -

TOTAL MOBILIZATION	\$	-
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SECTION 10: SUPPLEMENTAL WORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
066015 Federal Trainee Program	LS	x	= \$	-
066063 Traffic Management Plan - Public Informati	LS	x	= \$	-
066090 Maintain Traffic	LS	x	= \$	-
066094 Value Analysis	LS	x	= \$	-
066204 Remove Rock & Debris	LS	x	= \$	-
066222 Locate Existing Cross-Over	LS	x	= \$	-
066670 Payment Adjustments For Price Index Fluct	LS	x	= \$	-
066700 Partnering	LS	x	= \$	-
066866 Operation of Existing Traffic Management S	LS	x	= \$	-
066920 Dispute Review Board	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

Cost of NPDES Supplemental Work specified in Section 5C = \$ -

Total Section 1-8 \$ 269,200 5% = \$ 13,460

TOTAL SUPPLEMENTAL WORK	\$	13,500
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PRELIMINARY
PROJECT COST ESTIMATE

SECTION 11: STATE FURNISHED MATERIALS AND EXPENSES

Item code	Unit	Quantity	Unit Price (\$)	Cost
066063 Public Information	LS	x	=	\$0
066105 RE Office	LS	x	=	\$0
066803 Padlocks	LS	x	=	\$0
066838 Reflective Numbers and Edge Sealer	LS	x	=	\$0
066901 Water Expenses	LS	x	=	\$0
066062A COZEEP Expenses	LS	x	=	\$0
06684X Ramp Meter Controller Assembly	LS	x	=	\$0
06684X TMS Controller Assembly	LS	x	=	\$0
06684X Traffic Signal Controller Assembly	LS	x	=	\$0
XXXXXX Some Item				

Total Section 1-8 \$ 269,200 0% = \$ -

TOTAL STATE FURNISHED	\$0
------------------------------	------------

SECTION 12: TIME-RELATED OVERHEAD

Estiamted Time-Releated Overhead (TRO) Percentage (0% to 10%) = 5%

Item code	Unit	Quantity	Unit Price (\$)	Cost
070018 Time-Related Overhead	WD	0	X #DIV/0! =	\$0

TOTAL TIME-RELATED OVERHEAD	\$0
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SECTION 13: CONTINGENCY

(Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)

Total Section 1-11 \$ 282,700 x 10% = \$28,270

TOTAL CONTINGENCY	\$28,300
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II. STRUCTURE ITEMS

DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
-------------------------------	---------------	---------------	---------------

DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0.0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
-------------------------------	---------------	---------------	---------------

TOTAL COST OF BRIDGES	\$0.00
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TOTAL COST OF BUILDINGS	\$0.00
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TOTAL COST OF STRUCTURES¹	\$0.00
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Estimate Prepared By: _____
XXXXXXXXXXXXXXXXXXXX ----- Division of Structures

_____ Date

¹Structure's Estimate includes Overhead and Mobilization.
Add more sheets if needed. Call them 9a, 9b, 9c, ..., etc

PRELIMINARY
PROJECT COST ESTIMATE

III. RIGHT OF WAY

Fill in all of the available information from the Right of Way data sheet.

A)	A1)	Acquisition, including Excess Land Purchases, Damages & Goodwill,	\$	0
	A2)	SB-1210	\$	0
B)		Acquisition of Offsite Mitigation	\$	0
C)	C1)	Utility Relocation (State Share)	\$	0
	C2)	Potholing (Design Phase)	\$	0
D)		Railroad Acquisition	\$	0
E)		Clearance / Demolition	\$	0
F)		Relocation Assistance (RAP and/or Last Resort Housing Costs)	\$	0
G)		Title and Escrow	\$	0
H)		Environmental Review	\$	0
I)		Condemnation Settlements	0%	0
		(Items G & H applied to items A + B)		
J)		Design Appreciation Factor	0%	0
K)		Utility Relocation (Construction Cost)	\$	0

L)

TOTAL RIGHT OF WAY ESTIMATE	\$0
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(Excluding Item #8 - Hazardous Waste)

M)

TOTAL R/W ESTIMATE: Escalated	\$0
--------------------------------------	------------

N)

Right of Way Support	\$	0
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Support Cost
Estimate Prepared By _____ Project Coordinator¹ _____ Phone _____

Utility Estimate
Prepared By _____ Utility Coordinator² _____ Phone _____

R/W Acquisition
Estimate Prepared By _____ Right of Way Estimator³ _____ Phone _____

¹ When estimate has Support Costs only ² When estimate has Utility Relocation

³ When R/W Acquisition is required

DO NOT PRINT THIS SHEET AS PART OF COST ESTIMATE ATTACHMENT TO PROJECT INITIATION OR APPROVAL DOCUMENTS.

IV. SUPPORT COST ESTIMATE SUMMARY

Please obtain a P3 report (CL#3) from PPM to fill in the support cost for these categories.

SB-45 CATEGORY SUPPORT COST	PREVIOUS	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FUTURE	P3 Total	Support Ratio
PR/ED (PD,PE,PM)											\$ -	0.00%
PS&E (PS)											\$ -	0.00%
R/W (RW)											\$ -	0.00%
CONSTRUCTION (CM)											\$ -	0.00%
Total Support Cost:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	0.00%

Note: It is assumed that the Support Costs are already escalated by Programming to the year of expenditure. Use project Programming Sheet data.

Total Capital Cost:	\$311,000
Total Capital Outlay Support Cost:	\$0
Overall Percent Support Cost:	0.00%

V. ESCALATED CONSTRUCTION COST ESTIMATE SUMMARY

Note: Right of way escalated cost are accounted for on sheet 10 of 11.

	Month	/	Year
Date of Estimate (Month/Year)	10	/	2015
Estimated Date of Construction Start (Month/Year)	0	/	0
Number of Working Days	0	WD	
Estimated Mid-Point of Construction (Month/Year)	0	/	0

YEAR	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE
FORECASTED ESCALATION											

ESCALATED CONSTRUCTION COSTS	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE	TOTAL ESCALATED COSTS
ROADWAY ITEMS	\$ 311,000	\$ 311,000	\$ 311,000	\$ 311,000	\$ 311,000	\$ 311,000	\$ 311,000	\$ 311,000	\$ 311,000	\$ 311,000	\$ 311,000	\$ 311,000
STRUCTURE ITEMS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SUBTOTAL	\$ 311,000	\$ 311,000	\$ 311,000	\$ 311,000	\$ 311,000	\$ 311,000	\$ 311,000	\$ 311,000	\$ 311,000	\$ 311,000	\$ 311,000	\$ 311,000

Approved by:

Project Control Engineer

Date

PRELIMINARY
PROJECT COST ESTIMATE
Sound Wall Cost Estimate

Project ID:

Type of Estimate : Sound Wall NB 5-2 (8' Wall)
Program Code :
Project Limits :
Description: SR41 NB Offramp E. Princeton Ave to E. Cornell Ave
Scope :
Alternative :

	Current Cost	Escalated Cost
ROADWAY ITEMS	\$ 194,700	\$ 194,700
STRUCTURE ITEMS	\$ -	\$ -
SUBTOTAL CONSTRUCTION COST	\$ 194,700	\$ 194,700
RIGHT OF WAY	\$ -	\$ -
TOTAL CAPITAL OUTLAY COST	\$ 195,000	\$ 195,000
PR/ED SUPPORT	\$ -	\$ -
PS&E SUPPORT	\$ -	\$ -
RIGHT OF WAY SUPPORT	\$ -	\$ -
CONSTRUCTION SUPPORT	\$ -	\$ -
TOTAL CAPITAL OUTLAY SUPPORT COST*	\$ -	\$ -
TOTAL PROJECT COST	\$ 195,000	\$ 195,000

If Project has been programmed enter Programmed Amount \$ -

Date of Estimate (Month/Year) Month / Year
10 / 2015
Estimated Date of Construction Start (Month/Year) /
Number of Working Days Working Days
Estimated Mid-Point of Construction (Month/Year) Month / Year
Number of Plant Establishment Days Days

Estimated Project Schedule

PID Approval
PA/ED Approval
PS&E
RTL
Begin Construction

Approved by Project
Manager

10/30/2015

(559) 374-3111

Project Manager

Date

Phone

I. ROADWAY ITEMS SUMMARY

Section		Cost
1	Earthwork	\$ 5,000
2	Pavement Structural Section	\$ -
3	Drainage	\$ -
4	Specialty Items	\$ 148,900
5	Environmental	\$ 14,600
6	Traffic Items	\$ -
7	Detours	\$ -
8	Minor Items	\$ -
9	Roadway Mobilization	\$ -
10	Supplemental Work	\$ 8,500
11	State Furnished	\$ -
12	Contingencies	\$ 17,700
13	Overhead	\$ -
TOTAL ROADWAY ITEMS		\$ 194,700

Estimate Prepared By	Melissa Blau - Design Engineer	10/29/2015	(559) 374-3107
	Name and Title	Date	Phone

Estimate Reviewed By	Edgar Noriega - Project Manager	10/30/2015	(559) 374-3111
	Name and Title	Date	Phone

By signing this estimate you are attesting that you have discussed your project with all functional units and have incorporated all their comments or have discussed with them why they will not be incorporated.

PRELIMINARY
PROJECT COST ESTIMATE

SECTION 1: EARTHWORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
160101 Clearing & Grubbing	LS	1	x 5,000.00	= \$ 5,000
170101 Develop Water Supply	LS		x	= \$ -
190101 Roadway Excavation	CY		x	= \$ -
190103 Roadway Excavation (Type Y) ADL	CY		x	= \$ -
190105 Roadway Excavation (Type Z-2) ADL	CY		x	= \$ -
192037 Structure Excavation (Retaining Wall)	CY		x	= \$ -
193013 Structure Backfill (Retaining Wall)	CY		x	= \$ -
193031 Pervious Backfill Material (Retaining Wall)	CY		x	= \$ -
194001 Ditch Excavation	CY		x	= \$ -
198001 Impored Borrow	CY		x	= \$ -
198007 Imported Material (Shoulder Backing)	TON		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL EARTHWORK SECTION ITEMS	\$ 5,000
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SECTION 2: PAVEMENT STRUCTURAL SECTION

Item code	Unit	Quantity	Unit Price (\$)	Cost
150771 Remove Asphalt Concrete Dike	LF		x	= \$ -
150860 Remove Base and Surfacing	CY		x	= \$ -
153103 Cold Plane Asphalt Concrete Pavement	SQYD		x	= \$ -
1532XX Remove Concrete (type)	CY		x	= \$ -
250401 Class 4 Aggregate Subbase	CY		x	= \$ -
260201 Class 2 Aggregate Base	CY		x	= \$ -
290201 Asphalt Treated Permeable Base	CY		x	= \$ -
365001 Sand Cover	TON		x	= \$ -
374002 Asphaltic Emulsion (Fog Seal Coat)	TON		x	= \$ -
374492 Asphaltic Emulsion (Polymer Modified)	TON		x	= \$ -
3750XX Screenings (Type XX)	TON		x	= \$ -
377501 Slurry Seal	TON		x	= \$ -
390095 Replace Asphalt Concrete Surfacing	CY		x	= \$ -
390132 Hot Mix Asphalt (Type A)	TON		x	= \$ -
390136 Minor Hot Mix Asphalt	TON		x	= \$ -
390137 Rubberized Hot Mix Asphalt (Gap Graded)	TON		x	= \$ -
393003 Geosynthetic Pavement Interlayer	SQYD		x	= \$ -
39405X Shoulder Rumber Strip (HMA, Type XX Inden	STA		x	= \$ -
394071 Place Hot Mix Asphalt Dike	LF		x	= \$ -
394090 Place Hot Mix Asphalt (Misc. Area)	SQYD		x	= \$ -
397005 Tack Coat	TON		x	= \$ -
401000 Concrete Pavement	CY		x	= \$ -
401108 Replace Concrete Pavement (Rapid Strength	CY		x	= \$ -
404092 Seal Pavement Joint	LF		x	= \$ -
404094 Seal Longitudinal Isolation Joint	LF		x	= \$ -
413112A Repair Spalled Joints (Polyester Grout)	SQYD		x	= \$ -
413115 Seal Existing Concrete Pavement Joint	LF		x	= \$ -
420102 Groove Existing Concrete Pavement	SQYD		x	= \$ -
420201 Grind Existing Concrete Pavement	SQYD		x	= \$ -
731502 Minor Concrete (Misc. Const)	CY		x	= \$ -
731530 Minor Concrete (Textured Paving)	SQFT		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL STRUCTURAL SECTION ITEMS	\$ -
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SECTION 3: DRAINAGE

Item code	Unit	Quantity	Unit Price (\$)	Cost
150206 Abandon Culvert	LF	x	= \$	-
150805 Remove Culvert	LF	x	= \$	-
150820 Modify Inlet	EA	x	= \$	-
152430 Adjust Inlet	LF	x	= \$	-
155003 Cap Inlet	EA	x	= \$	-
193114 Sand Backfill	CY	x	= \$	-
510502 Minor Concrete (Minor Structure)	CY	x	= \$	-
510512 Minor Concrete (Box Culvert)	CY	x	= \$	-
62XXXX XXX" APC Pipe	LF	x	= \$	-
64XXXX XXX" Plastic Pipe	LF	x	= \$	-
65XXXX XXX" RCP Pipe	LF	x	= \$	-
66XXXX XXX" CSP Pipe	LF	x	= \$	-
68XXXX Edge Drain	LF	x	= \$	-
69XXXX XXX" Pipe Downdrain	LF	x	= \$	-
70XXXX XXX" Pipe Inlet	LF	x	= \$	-
70XXXX XXX" Pipe Riser	LF	x	= \$	-
70XXXX XXX" Flared End Section	EA	x	= \$	-
703233 Grated Line Drain	LF	x	= \$	-
72XXXX Rock Slope Protection (Type and Method)	CY	x	= \$	-
721420 Concrete (Ditch Lining)	CY	x	= \$	-
721430 Concrete (Channel Lining)	CY	x	= \$	-
729010 Rock Slope Protection Fabric	SQYD	x	= \$	-
750001 Miscellaneous Iron and Steel	LB	x	= \$	-
XXXXXX Additional Drainage	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL DRAINAGE ITEMS	\$	-
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SECTION 4: SPECIALTY ITEMS

Item code	Unit	Quantity	Unit Price (\$)	Cost
070012 Progress Schedule (Critical Path Method)	LS	x	= \$	-
150662 Remove Metal Beam Guard Railing	LF	x	= \$	-
150668 Remove Terminal Systems	EA	x	= \$	-
1532XX Remove Barrier (60)	LF	x	= \$	-
153250 Remove Sound Wall	SQFT	x	= \$	-
190110 Lead Compliance Plan	LS	x	= \$	-
490601 CIDH Concrete Piling (16")	LF	726	45.00	32,670
510060 Structural Concrete (Retaining Wall)	CY	x	= \$	-
510133 Class 2 Concrete (Retaining Wall)	CY	x	= \$	-
510524 Minor Concrete (Sound Wall)	CY	x	= \$	-
5110XX Architectural Treatment (Insert Type)	SQFT	x	= \$	-
511048 Apply Anti-Graffiti Coating	SQFT	x	= \$	-
5136XX Reinforced Concrete Crib Wall (Insert Type)	SQFT	x	= \$	-
518002 Sound Wall (Masonry Block)	SQFT	5,808	20.00	116,160
520103 Bar Reinf. Steel (Retaining Wall)	LB	x	= \$	-
80XXXX Fence (Insert Type)	LF	x	= \$	-
832001 Metal Beam Guard Railing	LF	x	= \$	-
839310 Double Thrie Beam Barrier	LF	x	= \$	-
839521 Cable Railing	LF	x	= \$	-
83954X Transition Railing (Insert Type)	EA	x	= \$	-
8395XX Terminal System (Type CAT)	EA	x	= \$	-
8395XX Alternative Flared Terminal System	EA	x	= \$	-
8395XX End Anchor Assembly (Insert Type)	EA	x	= \$	-
839561 Rail Tensioning Assembly	EA	x	= \$	-
839XXX Crash Cushion (Insert Type)	EA	x	= \$	-
839701 Concrete Barrier (60)	LF	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL SPECIALTY ITEMS	\$	148,900
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SECTION 5: ENVIRONMENTAL

5A - ENVIRONMENTAL MITIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
Biological Mitigation	LS	x	= \$	-
071325 TEMPORARY REINFORCED SILT FENCE	LF	x	= \$	-
071325 Temporary Fence (Type ESA)				
Subtotal Environmental				\$ -

5B - LANDSCAPE AND IRRIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
200001 Highway Planting	LS	1 x	14,600.00 = \$	14,600
20XXXX XXX" (Insert Type) Conduit (Use for	LF	x	= \$	-
20XXXX Extend XXX" (Insert Type) Conduit	LF	x	= \$	-
201700 Imported Topsoil	CY	x	= \$	-
2030XX Erosion Control (Type __)	SQYD	x	= \$	-
203021 Fiber Rolls	LF	x	= \$	-
203026 Move In/ Move Out (Erosion Control)	EA	x	= \$	-
204099 Plant Establishment Work	LS	x	= \$	-
204101 Extend Plant Establishment (X Years)	LS	x	= \$	-
208000 Irrigation System	LS	x	= \$	-
208304 Water Meter	EA	x	= \$	-
209801 Maintenance Vehicle Pullout	EA	x	= \$	-
XXXXXX Some Item				
Subtotal Landscape and Irrigation				\$ 14,600

5C - NPDES

Item code	Unit	Quantity	Unit Price (\$)	Cost
074016 Construction Site Management	LS	x	= \$	-
074017 Prepare WPCP	LS	x	= \$	-
074019 Prepare SWPPP	LS	x	= \$	-
074023 Temporary Erosion Control	SQYD	x	= \$	-
074027 Temporary Erosion Control Blanket	SQYD	x	= \$	-
074028 Temporary Fiber Roll	LF	x	= \$	-
074032 Temporary Concrete Washout Facility	EA	x	= \$	-
074033 Temporary Construction Entrance	EA	x	= \$	-
074035 Temporary Check Dam	LF	x	= \$	-
074037 Move In/ Move Out (Temporary Erosion Control)	EA	x	= \$	-
074038 Temp. Drainage Inlet Protection	EA	x	= \$	-
074041 Street Sweeping	LS	x	= \$	-
074042 Temporary Concrete Washout (Portable)	LS	x	= \$	-
XXXXXX Some Item				

Supplemental Work for NPDES

(These costs are not accounted in total here but under Supplemental Work on sheet 7 of 11).

066595 Water Pollution Control Maintenance Sharing	LS	x	= \$	-
066596 Additional Water Pollution Control**	LS	x	= \$	-
066597 Storm Water Sampling and Analysis***	LS	x	= \$	-
XXXXXX Some Item				

Subtotal NPDES (Without Supplemental Work) \$ -

*Applies to all SWPPPs and those WPCPs with sediment control or soil stabilization BMPs.

**Applies to both SWPPPs and WPCP projects.

*** Applies only to project with SWPPPs.

TOTAL ENVIRONMENTAL	\$ 14,600
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SECTION 6: TRAFFIC ITEMS

6A - Traffic Electrical

Item code	Unit	Quantity	Unit Price (\$)	Cost
150760 Remove Sign Structure	EA	x	= \$	-
151581 Reconstruct Sign Structure	EA	x	= \$	-
152641 Modify Sign Structure	EA	x	= \$	-
5602XX Furnish Sign Structure	LB	x	= \$	-
5602XX Install Sign Structure	LB	x	= \$	-
56XXXX XXX" CIDHC Pile (Sign Foundation)	LF	x	= \$	-
860090 Maintain Existing Traffic Management	LS	x	= \$	-
860810 Inductive Loop Detectors	EA	x	= \$	-
86055X Lighting & Sign Illumination	LS	x	= \$	-
8607XX Interconnection Facilities	LS	x	= \$	-
8609XX Traffic Monitoring Stations	LS	x	= \$	-
860XXX Signals & Lighting	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
86XXXX Fiber Optic Conduit System	LS	x	= \$	-
XXXXX Some Item				
Subtotal Traffic Electrical				\$ -

6B - Traffic Signing and Striping

Item code	Unit	Quantity	Unit Price (\$)	Cost
120090 Construction Area Signs	LS	x	= \$	-
150701 Remove Yellow Painted Traffic Stripe	LF	x	= \$	-
150710 Remove Traffic Stripe	LF	x	= \$	-
150713 Remove Pavement Marking	SQFT	x	= \$	-
150742 Remove Roadside Sign	EA	x	= \$	-
152320 Reset Roadside Sign	EA	x	= \$	-
152390 Relocate Roadside Sign	EA	x	= \$	-
566011 Roadside Sign (One Post)	EA	x	= \$	-
566012 Roadside Sign (Two Post)	EA	x	= \$	-
560XXX Furnish Sign Panels	SQFT	x	= \$	-
560XXX Install Sign Panels	SQFT	x	= \$	-
82010X Delineator (Class X)	EA	x	= \$	-
84XXXX Permanent Pavement Delineation	LS	x	= \$	-
Subtotal Traffic Signing and Striping				\$ -

6C - Stage Construction and Traffic Handling

Item code	Unit	Quantity	Unit Price (\$)	Cost
120100 Traffic Control System	LS	x	= \$	-
120120 Type III Barricade	EA	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
12016X Channelizer	EA	x	= \$	-
128650 Portable Changeable Message Signs	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
129100 Temp. Crash Cushion Module	EA	x	= \$	-
129099A Traffic Plastic Drum	EA	x	= \$	-
839603A Temporary Crash Cushion (ADIEM)	EA	x	= \$	-
XXXXXX Some Item				
Subtotal Stage Construction and Traffic Handling				\$ -

TOTAL TRAFFIC ITEMS	\$ -
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SECTION 7: DETOURS

Include constructing, maintaining, and removal

Item code	Unit	Quantity	Unit Price (\$)	Cost
0713XX Temporary Fence (Type X)	LF	x	= \$	-
07XXXX Temporary Drainage	LS	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
1286XX Temporary Signals	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
190101 Roadway Excavation	CY	x	= \$	-
198001 Imported Borrow	CY	x	= \$	-
198050 Embankment	CY	x	= \$	-
250401 Class 4 Aggregate Subbase	CY	x	= \$	-
260201 Class 2 Aggregate Base	CY	x	= \$	-
390132 Hot Mix Asphalt (Type A)	TON	x	= \$	-
XXXXXX Some Item	LS	x	= \$	-

TOTAL DETOURS	\$	-
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SUBTOTAL SECTIONS 1-7 \$ 168,500

SECTION 8: MINOR ITEMS

8A - Americans with Disabilities Act Items

ADA Items 0.0% \$ -

8B - Bike Path Items

Bike Path Items 0.0% \$ -

8C - Other Minor Items

Other Minor Items 0.0% \$ -

Total of Section 1-7 \$ 168,500 x 0.0% = \$ -

TOTAL MINOR ITEMS	\$	-
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SECTIONS 9: MOBILIZATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
999990 Total Section 1-8	\$	168,500	x 10%	= \$ -

TOTAL MOBILIZATION	\$	-
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SECTION 10: SUPPLEMENTAL WORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
066015 Federal Trainee Program	LS	x	= \$	-
066063 Traffic Management Plan - Public Informati	LS	x	= \$	-
066090 Maintain Traffic	LS	x	= \$	-
066094 Value Analysis	LS	x	= \$	-
066204 Remove Rock & Debris	LS	x	= \$	-
066222 Locate Existing Cross-Over	LS	x	= \$	-
066670 Payment Adjustments For Price Index Fluct	LS	x	= \$	-
066700 Partnering	LS	x	= \$	-
066866 Operation of Existing Traffic Management S	LS	x	= \$	-
066920 Dispute Review Board	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

Cost of NPDES Supplemental Work specified in Section 5C = \$ -

Total Section 1-8 \$ 168,500 5% = \$ 8,425

TOTAL SUPPLEMENTAL WORK	\$	8,500
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PRELIMINARY
PROJECT COST ESTIMATE

SECTION 11: STATE FURNISHED MATERIALS AND EXPENSES

Item code	Unit	Quantity	Unit Price (\$)	Cost
066063 Public Information	LS	x	=	\$0
066105 RE Office	LS	x	=	\$0
066803 Padlocks	LS	x	=	\$0
066838 Reflective Numbers and Edge Sealer	LS	x	=	\$0
066901 Water Expenses	LS	x	=	\$0
066062A COZEEP Expenses	LS	x	=	\$0
06684X Ramp Meter Controller Assembly	LS	x	=	\$0
06684X TMS Controller Assembly	LS	x	=	\$0
06684X Traffic Signal Controller Assembly	LS	x	=	\$0
XXXXXX Some Item				

Total Section 1-8 \$ 168,500 0% = \$ -

TOTAL STATE FURNISHED	\$0
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SECTION 12: TIME-RELATED OVERHEAD

Estiamted Time-Releated Overhead (TRO) Percentage (0% to 10%) = 5%

Item code	Unit	Quantity	Unit Price (\$)	Cost
070018 Time-Related Overhead	WD	0	X #DIV/0! =	\$0

TOTAL TIME-RELATED OVERHEAD	\$0
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SECTION 13: CONTINGENCY

(Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)

Total Section 1-11 \$ 177,000 x 10% = \$17,700

TOTAL CONTINGENCY	\$17,700
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II. STRUCTURE ITEMS

DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
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DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0.00 SQFT	0.0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
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TOTAL COST OF BRIDGES	\$0.00
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TOTAL COST OF BUILDINGS	\$0.00
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TOTAL COST OF STRUCTURES¹	\$0.00
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Estimate Prepared By: _____
XXXXXXXXXXXXXXXXXXXX ----- Division of Structures

Date

¹Structure's Estimate includes Overhead and Mobilization.
Add more sheets if needed. Call them 9a, 9b, 9c, ..., etc

PRELIMINARY
PROJECT COST ESTIMATE

III. RIGHT OF WAY

Fill in all of the available information from the Right of Way data sheet.

A)	A1)	Acquisition, including Excess Land Purchases, Damages & Goodwill,	\$	0
	A2)	SB-1210	\$	0
B)		Acquisition of Offsite Mitigation	\$	0
C)	C1)	Utility Relocation (State Share)	\$	0
	C2)	Potholing (Design Phase)	\$	0
D)		Railroad Acquisition	\$	0
E)		Clearance / Demolition	\$	0
F)		Relocation Assistance (RAP and/or Last Resort Housing Costs)	\$	0
G)		Title and Escrow	\$	0
H)		Environmental Review	\$	0
I)		Condemnation Settlements	0%	0
		(Items G & H applied to items A + B)		
J)		Design Appreciation Factor	0%	0
K)		Utility Relocation (Construction Cost)	\$	0

L)

TOTAL RIGHT OF WAY ESTIMATE	\$0
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(Excluding Item #8 - Hazardous Waste)

M)

TOTAL R/W ESTIMATE: Escalated	\$0
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N)

Right of Way Support	\$	0
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Support Cost		
Estimate Prepared By	Project Coordinator ¹	Phone
Utility Estimate		
Prepared By	Utility Coordinator ²	Phone
R/W Acquisition		
Estimate Prepared By	Right of Way Estimator ³	Phone

¹ When estimate has Support Costs only ² When estimate has Utility Relocation

³ When R/W Acquisition is required

DO NOT PRINT THIS SHEET AS PART OF COST ESTIMATE ATTACHMENT TO PROJECT INITIATION OR APPROVAL DOCUMENTS.

IV. SUPPORT COST ESTIMATE SUMMARY

Please obtain a P3 report (CL#3) from PPM to fill in the support cost for these categories.

SB-45 CATEGORY SUPPORT COST	PREVIOUS	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FUTURE	P3 Total	Support Ratio
PR/ED (PD,PE,PM)											\$ -	0.00%
PS&E (PS)											\$ -	0.00%
R/W (RW)											\$ -	0.00%
CONSTRUCTION (CM)											\$ -	0.00%
Total Support Cost:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	0.00%

Note: It is assumed that the Support Costs are already escalated by Programming to the year of expenditure. Use project Programming Sheet data.

Total Capital Cost:	\$195,000
Total Capital Outlay Support Cost:	\$0
Overall Percent Support Cost:	0.00%

V. ESCALATED CONSTRUCTION COST ESTIMATE SUMMARY

Note: Right of way escalated cost are accounted for on sheet 10 of 11.

	Month	/	Year
Date of Estimate (Month/Year)	10	/	2015
Estimated Date of Construction Start (Month/Year)	0	/	0
Number of Working Days	0	WD	
Estimated Mid-Point of Construction (Month/Year)	0	/	0

YEAR	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE
FORECASTED ESCALATION											

ESCALATED CONSTRUCTION COSTS	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE	TOTAL ESCALATED COSTS
ROADWAY ITEMS	\$ 194,700	\$ 194,700	\$ 194,700	\$ 194,700	\$ 194,700	\$ 194,700	\$ 194,700	\$ 194,700	\$ 194,700	\$ 194,700	\$ 194,700	\$ 194,700
STRUCTURE ITEMS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SUBTOTAL	\$ 194,700	\$ 194,700	\$ 194,700	\$ 194,700	\$ 194,700	\$ 194,700	\$ 194,700	\$ 194,700	\$ 194,700	\$ 194,700	\$ 194,700	\$ 194,700

Approved by:

Project Control Engineer

Date

PRELIMINARY
PROJECT COST ESTIMATE
Sound Wall Cost Estimate

Project ID:

Type of Estimate : Sound Wall NB 5-2 (10' Wall)
Program Code :
Project Limits :
Description: SR41 NB Offramp E. Princeton Ave to E. Cornell Ave
Scope :
Alternative :

	Current Cost	Escalated Cost
ROADWAY ITEMS	\$ 228,200	\$ 228,200
STRUCTURE ITEMS	\$ -	\$ -
SUBTOTAL CONSTRUCTION COST	\$ 228,200	\$ 228,200
RIGHT OF WAY	\$ -	\$ -
TOTAL CAPITAL OUTLAY COST	\$ 229,000	\$ 229,000
PR/ED SUPPORT	\$ -	\$ -
PS&E SUPPORT	\$ -	\$ -
RIGHT OF WAY SUPPORT	\$ -	\$ -
CONSTRUCTION SUPPORT	\$ -	\$ -
TOTAL CAPITAL OUTLAY SUPPORT COST*	\$ -	\$ -
TOTAL PROJECT COST	\$ 230,000	\$ 230,000

If Project has been programmed enter Programmed Amount \$ -

Date of Estimate (Month/Year) Month / Year
10 / 2015
Estimated Date of Construction Start (Month/Year) /
Number of Working Days Working Days
Estimated Mid-Point of Construction (Month/Year) Month / Year
Number of Plant Establishment Days Days

Estimated Project Schedule

PID Approval
PA/ED Approval
PS&E
RTL
Begin Construction

Approved by Project
Manager

10/30/2015

(559) 374-3111

Project Manager

Date

Phone

I. ROADWAY ITEMS SUMMARY

Section		Cost
1	Earthwork	\$ 5,000
2	Pavement Structural Section	\$ -
3	Drainage	\$ -
4	Specialty Items	\$ 177,900
5	Environmental	\$ 14,600
6	Traffic Items	\$ -
7	Detours	\$ -
8	Minor Items	\$ -
9	Roadway Mobilization	\$ -
10	Supplemental Work	\$ 9,900
11	State Furnished	\$ -
12	Contingencies	\$ 20,800
13	Overhead	\$ -
TOTAL ROADWAY ITEMS		\$ 228,200

Estimate Prepared By	Melissa Blau - Design Engineer	10/29/2015	(559) 374-3107
	Name and Title	Date	Phone

Estimate Reviewed By	Edgar Noriega - Project Manager	10/30/2015	(559) 374-3111
	Name and Title	Date	Phone

By signing this estimate you are attesting that you have discussed your project with all functional units and have incorporated all their comments or have discussed with them why they will not be incorporated.

PRELIMINARY
PROJECT COST ESTIMATE

SECTION 1: EARTHWORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
160101 Clearing & Grubbing	LS	1	x 5,000.00	= \$ 5,000
170101 Develop Water Supply	LS		x	= \$ -
190101 Roadway Excavation	CY		x	= \$ -
190103 Roadway Excavation (Type Y) ADL	CY		x	= \$ -
190105 Roadway Excavation (Type Z-2) ADL	CY		x	= \$ -
192037 Structure Excavation (Retaining Wall)	CY		x	= \$ -
193013 Structure Backfill (Retaining Wall)	CY		x	= \$ -
193031 Pervious Backfill Material (Retaining Wall)	CY		x	= \$ -
194001 Ditch Excavation	CY		x	= \$ -
198001 Impored Borrow	CY		x	= \$ -
198007 Imported Material (Shoulder Backing)	TON		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL EARTHWORK SECTION ITEMS	\$ 5,000
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SECTION 2: PAVEMENT STRUCTURAL SECTION

Item code	Unit	Quantity	Unit Price (\$)	Cost
150771 Remove Asphalt Concrete Dike	LF		x	= \$ -
150860 Remove Base and Surfacing	CY		x	= \$ -
153103 Cold Plane Asphalt Concrete Pavement	SQYD		x	= \$ -
1532XX Remove Concrete (type)	CY		x	= \$ -
250401 Class 4 Aggregate Subbase	CY		x	= \$ -
260201 Class 2 Aggregate Base	CY		x	= \$ -
290201 Asphalt Treated Permeable Base	CY		x	= \$ -
365001 Sand Cover	TON		x	= \$ -
374002 Asphaltic Emulsion (Fog Seal Coat)	TON		x	= \$ -
374492 Asphaltic Emulsion (Polymer Modified)	TON		x	= \$ -
3750XX Screenings (Type XX)	TON		x	= \$ -
377501 Slurry Seal	TON		x	= \$ -
390095 Replace Asphalt Concrete Surfacing	CY		x	= \$ -
390132 Hot Mix Asphalt (Type A)	TON		x	= \$ -
390136 Minor Hot Mix Asphalt	TON		x	= \$ -
390137 Rubberized Hot Mix Asphalt (Gap Graded)	TON		x	= \$ -
393003 Geosynthetic Pavement Interlayer	SQYD		x	= \$ -
39405X Shoulder Rumber Strip (HMA, Type XX Inden	STA		x	= \$ -
394071 Place Hot Mix Asphalt Dike	LF		x	= \$ -
394090 Place Hot Mix Asphalt (Misc. Area)	SQYD		x	= \$ -
397005 Tack Coat	TON		x	= \$ -
401000 Concrete Pavement	CY		x	= \$ -
401108 Replace Concrete Pavement (Rapid Strength	CY		x	= \$ -
404092 Seal Pavement Joint	LF		x	= \$ -
404094 Seal Longitudinal Isolation Joint	LF		x	= \$ -
413112A Repair Spalled Joints (Polyester Grout)	SQYD		x	= \$ -
413115 Seal Existing Concrete Pavement Joint	LF		x	= \$ -
420102 Groove Existing Concrete Pavement	SQYD		x	= \$ -
420201 Grind Existing Concrete Pavement	SQYD		x	= \$ -
731502 Minor Concrete (Misc. Const)	CY		x	= \$ -
731530 Minor Concrete (Textured Paving)	SQFT		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL STRUCTURAL SECTION ITEMS	\$ -
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SECTION 3: DRAINAGE

Item code	Unit	Quantity	Unit Price (\$)	Cost
150206 Abandon Culvert	LF	x	= \$	-
150805 Remove Culvert	LF	x	= \$	-
150820 Modify Inlet	EA	x	= \$	-
152430 Adjust Inlet	LF	x	= \$	-
155003 Cap Inlet	EA	x	= \$	-
193114 Sand Backfill	CY	x	= \$	-
510502 Minor Concrete (Minor Structure)	CY	x	= \$	-
510512 Minor Concrete (Box Culvert)	CY	x	= \$	-
62XXXX XXX" APC Pipe	LF	x	= \$	-
64XXXX XXX" Plastic Pipe	LF	x	= \$	-
65XXXX XXX" RCP Pipe	LF	x	= \$	-
66XXXX XXX" CSP Pipe	LF	x	= \$	-
68XXXX Edge Drain	LF	x	= \$	-
69XXXX XXX" Pipe Downdrain	LF	x	= \$	-
70XXXX XXX" Pipe Inlet	LF	x	= \$	-
70XXXX XXX" Pipe Riser	LF	x	= \$	-
70XXXX XXX" Flared End Section	EA	x	= \$	-
703233 Grated Line Drain	LF	x	= \$	-
72XXXX Rock Slope Protection (Type and Method)	CY	x	= \$	-
721420 Concrete (Ditch Lining)	CY	x	= \$	-
721430 Concrete (Channel Lining)	CY	x	= \$	-
729010 Rock Slope Protection Fabric	SQYD	x	= \$	-
750001 Miscellaneous Iron and Steel	LB	x	= \$	-
XXXXXX Additional Drainage	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL DRAINAGE ITEMS	\$	-
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SECTION 4: SPECIALTY ITEMS

Item code	Unit	Quantity	Unit Price (\$)	Cost
070012 Progress Schedule (Critical Path Method)	LS	x	= \$	-
150662 Remove Metal Beam Guard Railing	LF	x	= \$	-
150668 Remove Terminal Systems	EA	x	= \$	-
1532XX Remove Barrier (60)	LF	x	= \$	-
153250 Remove Sound Wall	SQFT	x	= \$	-
190110 Lead Compliance Plan	LS	x	= \$	-
490601 CIDH Concrete Piling (16")	LF	726	45.00	32,670
510060 Structural Concrete (Retaining Wall)	CY	x	= \$	-
510133 Class 2 Concrete (Retaining Wall)	CY	x	= \$	-
510524 Minor Concrete (Sound Wall)	CY	x	= \$	-
5110XX Architectural Treatment (Insert Type)	SQFT	x	= \$	-
511048 Apply Anti-Graffiti Coating	SQFT	x	= \$	-
5136XX Reinforced Concrete Crib Wall (Insert Type)	SQFT	x	= \$	-
518002 Sound Wall (Masonry Block)	SQFT	7,260	20.00	145,200
520103 Bar Reinf. Steel (Retaining Wall)	LB	x	= \$	-
80XXXX Fence (Insert Type)	LF	x	= \$	-
832001 Metal Beam Guard Railing	LF	x	= \$	-
839310 Double Thrie Beam Barrier	LF	x	= \$	-
839521 Cable Railing	LF	x	= \$	-
83954X Transition Railing (Insert Type)	EA	x	= \$	-
8395XX Terminal System (Type CAT)	EA	x	= \$	-
8395XX Alternative Flared Terminal System	EA	x	= \$	-
8395XX End Anchor Assembly (Insert Type)	EA	x	= \$	-
839561 Rail Tensioning Assembly	EA	x	= \$	-
839XXX Crash Cushion (Insert Type)	EA	x	= \$	-
839701 Concrete Barrier (60)	LF	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL SPECIALTY ITEMS	\$	177,900
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SECTION 5: ENVIRONMENTAL

5A - ENVIRONMENTAL MITIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
Biological Mitigation	LS	x	= \$	-
071325 TEMPORARY REINFORCED SILT FENCE	LF	x	= \$	-
071325 Temporary Fence (Type ESA)				
Subtotal Environmental				\$ -

5B - LANDSCAPE AND IRRIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
200001 Highway Planting	LS	1 x	14,600.00 = \$	14,600
20XXXX XXX" (Insert Type) Conduit (Use for	LF	x	= \$	-
20XXXX Extend XXX" (Insert Type) Conduit	LF	x	= \$	-
201700 Imported Topsoil	CY	x	= \$	-
2030XX Erosion Control (Type __)	SQYD	x	= \$	-
203021 Fiber Rolls	LF	x	= \$	-
203026 Move In/ Move Out (Erosion Control)	EA	x	= \$	-
204099 Plant Establishment Work	LS	x	= \$	-
204101 Extend Plant Establishment (X Years)	LS	x	= \$	-
208000 Irrigation System	LS	x	= \$	-
208304 Water Meter	EA	x	= \$	-
209801 Maintenance Vehicle Pullout	EA	x	= \$	-
XXXXXX Some Item				
Subtotal Landscape and Irrigation				\$ 14,600

5C - NPDES

Item code	Unit	Quantity	Unit Price (\$)	Cost
074016 Construction Site Management	LS	x	= \$	-
074017 Prepare WPCP	LS	x	= \$	-
074019 Prepare SWPPP	LS	x	= \$	-
074023 Temporary Erosion Control	SQYD	x	= \$	-
074027 Temporary Erosion Control Blanket	SQYD	x	= \$	-
074028 Temporary Fiber Roll	LF	x	= \$	-
074032 Temporary Concrete Washout Facility	EA	x	= \$	-
074033 Temporary Construction Entrance	EA	x	= \$	-
074035 Temporary Check Dam	LF	x	= \$	-
074037 Move In/ Move Out (Temporary Erosion Cont	EA	x	= \$	-
074038 Temp. Drainage Inlet Protection	EA	x	= \$	-
074041 Street Sweeping	LS	x	= \$	-
074042 Temporary Concrete Washout (Portable)	LS	x	= \$	-
XXXXXX Some Item				

Supplemental Work for NPDES

(These costs are not accounted in total here but under Supplemental Work on sheet 7 of 11).

066595 Water Pollution Control Maintenance Sharing	LS	x	= \$	-
066596 Additional Water Pollution Control**	LS	x	= \$	-
066597 Storm Water Sampling and Analysis***	LS	x	= \$	-
XXXXXX Some Item				

Subtotal NPDES (Without Supplemental Work) \$ -

*Applies to all SWPPPs and those WPCPs with sediment control or soil stabilization BMPs.

**Applies to both SWPPPs and WPCP projects.

*** Applies only to project with SWPPPs.

TOTAL ENVIRONMENTAL	\$ 14,600
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SECTION 6: TRAFFIC ITEMS

6A - Traffic Electrical

Item code	Unit	Quantity	Unit Price (\$)	Cost
150760 Remove Sign Structure	EA	x	= \$	-
151581 Reconstruct Sign Structure	EA	x	= \$	-
152641 Modify Sign Structure	EA	x	= \$	-
5602XX Furnish Sign Structure	LB	x	= \$	-
5602XX Install Sign Structure	LB	x	= \$	-
56XXXX XXX" CIDHC Pile (Sign Foundation)	LF	x	= \$	-
860090 Maintain Existing Traffic Management	LS	x	= \$	-
860810 Inductive Loop Detectors	EA	x	= \$	-
86055X Lighting & Sign Illumination	LS	x	= \$	-
8607XX Interconnection Facilities	LS	x	= \$	-
8609XX Traffic Monitoring Stations	LS	x	= \$	-
860XXX Signals & Lighting	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
86XXXX Fiber Optic Conduit System	LS	x	= \$	-
XXXXX Some Item				
Subtotal Traffic Electrical				\$ -

6B - Traffic Signing and Striping

Item code	Unit	Quantity	Unit Price (\$)	Cost
120090 Construction Area Signs	LS	x	= \$	-
150701 Remove Yellow Painted Traffic Stripe	LF	x	= \$	-
150710 Remove Traffic Stripe	LF	x	= \$	-
150713 Remove Pavement Marking	SQFT	x	= \$	-
150742 Remove Roadside Sign	EA	x	= \$	-
152320 Reset Roadside Sign	EA	x	= \$	-
152390 Relocate Roadside Sign	EA	x	= \$	-
566011 Roadside Sign (One Post)	EA	x	= \$	-
566012 Roadside Sign (Two Post)	EA	x	= \$	-
560XXX Furnish Sign Panels	SQFT	x	= \$	-
560XXX Install Sign Panels	SQFT	x	= \$	-
82010X Delineator (Class X)	EA	x	= \$	-
84XXXX Permanent Pavement Delineation	LS	x	= \$	-
Subtotal Traffic Signing and Striping				\$ -

6C - Stage Construction and Traffic Handling

Item code	Unit	Quantity	Unit Price (\$)	Cost
120100 Traffic Control System	LS	x	= \$	-
120120 Type III Barricade	EA	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
12016X Channelizer	EA	x	= \$	-
128650 Portable Changeable Message Signs	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
129100 Temp. Crash Cushion Module	EA	x	= \$	-
129099A Traffic Plastic Drum	EA	x	= \$	-
839603A Temporary Crash Cushion (ADIEM)	EA	x	= \$	-
XXXXXX Some Item				
Subtotal Stage Construction and Traffic Handling				\$ -

TOTAL TRAFFIC ITEMS	\$ -
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SECTION 7: DETOURS

Include constructing, maintaining, and removal

Item code	Unit	Quantity	Unit Price (\$)	Cost
0713XX Temporary Fence (Type X)	LF	x	= \$	-
07XXXX Temporary Drainage	LS	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
1286XX Temporary Signals	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
190101 Roadway Excavation	CY	x	= \$	-
198001 Imported Borrow	CY	x	= \$	-
198050 Embankment	CY	x	= \$	-
250401 Class 4 Aggregate Subbase	CY	x	= \$	-
260201 Class 2 Aggregate Base	CY	x	= \$	-
390132 Hot Mix Asphalt (Type A)	TON	x	= \$	-
XXXXXX Some Item	LS	x	= \$	-

TOTAL DETOURS	\$	-
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SUBTOTAL SECTIONS 1-7 \$ 197,500

SECTION 8: MINOR ITEMS

8A - Americans with Disabilities Act Items

ADA Items 0.0% \$ -

8B - Bike Path Items

Bike Path Items 0.0% \$ -

8C - Other Minor Items

Other Minor Items 0.0% \$ -

Total of Section 1-7 \$ 197,500 x 0.0% = \$ -

TOTAL MINOR ITEMS	\$	-
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SECTIONS 9: MOBILIZATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
999990 Total Section 1-8	\$	197,500	x 10%	= \$ -

TOTAL MOBILIZATION	\$	-
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SECTION 10: SUPPLEMENTAL WORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
066015 Federal Trainee Program	LS	x	= \$	-
066063 Traffic Management Plan - Public Informati	LS	x	= \$	-
066090 Maintain Traffic	LS	x	= \$	-
066094 Value Analysis	LS	x	= \$	-
066204 Remove Rock & Debris	LS	x	= \$	-
066222 Locate Existing Cross-Over	LS	x	= \$	-
066670 Payment Adjustments For Price Index Fluct	LS	x	= \$	-
066700 Partnering	LS	x	= \$	-
066866 Operation of Existing Traffic Management S	LS	x	= \$	-
066920 Dispute Review Board	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

Cost of NPDES Supplemental Work specified in Section 5C = \$ -

Total Section 1-8 \$ 197,500 5% = \$ 9,875

TOTAL SUPPLEMENTAL WORK	\$	9,900
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PRELIMINARY
PROJECT COST ESTIMATE

SECTION 11: STATE FURNISHED MATERIALS AND EXPENSES

Item code	Unit	Quantity	Unit Price (\$)	Cost
066063 Public Information	LS	x	=	\$0
066105 RE Office	LS	x	=	\$0
066803 Padlocks	LS	x	=	\$0
066838 Reflective Numbers and Edge Sealer	LS	x	=	\$0
066901 Water Expenses	LS	x	=	\$0
066062A COZEEP Expenses	LS	x	=	\$0
06684X Ramp Meter Controller Assembly	LS	x	=	\$0
06684X TMS Controller Assembly	LS	x	=	\$0
06684X Traffic Signal Controller Assembly	LS	x	=	\$0
XXXXXX Some Item				

Total Section 1-8 \$ 197,500 0% = \$ -

TOTAL STATE FURNISHED	\$0
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SECTION 12: TIME-RELATED OVERHEAD

Estiamted Time-Releated Overhead (TRO) Percentage (0% to 10%) = 5%

Item code	Unit	Quantity	Unit Price (\$)	Cost
070018 Time-Related Overhead	WD	0	X #DIV/0! =	\$0

TOTAL TIME-RELATED OVERHEAD	\$0
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SECTION 13: CONTINGENCY

(Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)

Total Section 1-11 \$ 207,400 x 10% = \$20,740

TOTAL CONTINGENCY	\$20,800
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II. STRUCTURE ITEMS

DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
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DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0.0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
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TOTAL COST OF BRIDGES	\$0.00
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TOTAL COST OF BUILDINGS	\$0.00
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TOTAL COST OF STRUCTURES¹	\$0.00
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Estimate Prepared By: _____
XXXXXXXXXXXXXXXXXXXX ----- Division of Structures

_____ Date

¹Structure's Estimate includes Overhead and Mobilization.
Add more sheets if needed. Call them 9a, 9b, 9c, ..., etc

III. RIGHT OF WAY

Fill in all of the available information from the Right of Way data sheet.

A)	A1)	Acquisition, including Excess Land Purchases, Damages & Goodwill,	\$	0
	A2)	SB-1210	\$	0
B)		Acquisition of Offsite Mitigation	\$	0
C)	C1)	Utility Relocation (State Share)	\$	0
	C2)	Potholing (Design Phase)	\$	0
D)		Railroad Acquisition	\$	0
E)		Clearance / Demolition	\$	0
F)		Relocation Assistance (RAP and/or Last Resort Housing Costs)	\$	0
G)		Title and Escrow	\$	0
H)		Environmental Review	\$	0
I)		Condemnation Settlements	0%	0
		(Items G & H applied to items A + B)		
J)		Design Appreciation Factor	0%	0
K)		Utility Relocation (Construction Cost)	\$	0

L) **TOTAL RIGHT OF WAY ESTIMATE** **\$0**
(Excluding Item #8 - Hazardous Waste)

M) **TOTAL R/W ESTIMATE: Escalated** **\$0**

N) **Right of Way Support** **\$ 0**

Support Cost		
Estimate Prepared By	Project Coordinator ¹	Phone
Utility Estimate		
Prepared By	Utility Coordinator ²	Phone
R/W Acquisition		
Estimate Prepared By	Right of Way Estimator ³	Phone

¹ When estimate has Support Costs only ² When estimate has Utility Relocation

³ When R/W Acquisition is required

DO NOT PRINT THIS SHEET AS PART OF COST ESTIMATE ATTACHMENT TO PROJECT INITIATION OR APPROVAL DOCUMENTS.

IV. SUPPORT COST ESTIMATE SUMMARY

Please obtain a P3 report (CL#3) from PPM to fill in the support cost for these categories.

SB-45 CATEGORY SUPPORT COST	PREVIOUS	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FUTURE	P3 Total	Support Ratio
PR/ED (PD,PE,PM)											\$ -	0.00%
PS&E (PS)											\$ -	0.00%
R/W (RW)											\$ -	0.00%
CONSTRUCTION (CM)											\$ -	0.00%
Total Support Cost:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	0.00%

Note: It is assumed that the Support Costs are already escalated by Programming to the year of expenditure. Use project Programming Sheet data.

Total Capital Cost:	\$229,000
Total Capital Outlay Support Cost:	\$0
Overall Percent Support Cost:	0.00%

V. ESCALATED CONSTRUCTION COST ESTIMATE SUMMARY

Note: Right of way escalated cost are accounted for on sheet 10 of 11.

	Month	/	Year
Date of Estimate (Month/Year)	10	/	2015
Estimated Date of Construction Start (Month/Year)	0	/	0
Number of Working Days	0	WD	
Estimated Mid-Point of Construction (Month/Year)	0	/	0

YEAR	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE
FORECASTED ESCALATION											

ESCALATED CONSTRUCTION COSTS	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE	TOTAL ESCALATED COSTS
ROADWAY ITEMS	\$ 228,200	\$ 228,200	\$ 228,200	\$ 228,200	\$ 228,200	\$ 228,200	\$ 228,200	\$ 228,200	\$ 228,200	\$ 228,200	\$ 228,200	\$ 228,200
STRUCTURE ITEMS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SUBTOTAL	\$ 228,200	\$ 228,200	\$ 228,200	\$ 228,200	\$ 228,200	\$ 228,200	\$ 228,200	\$ 228,200	\$ 228,200	\$ 228,200	\$ 228,200	\$ 228,200

Approved by:

Project Control Engineer

Date

PRELIMINARY
PROJECT COST ESTIMATE
Sound Wall Cost Estimate

Project ID:

Type of Estimate : Sound Wall NB 5-2 (12' Wall)
Program Code :
Project Limits :
Description: SR41 NB Offramp E. Princeton Ave to E. Cornell Ave
Scope :
Alternative :

	Current Cost	Escalated Cost
ROADWAY ITEMS	\$ 261,800	\$ 261,800
STRUCTURE ITEMS	\$ -	\$ -
SUBTOTAL CONSTRUCTION COST	\$ 261,800	\$ 261,800
RIGHT OF WAY	\$ -	\$ -
TOTAL CAPITAL OUTLAY COST	\$ 262,000	\$ 262,000
PR/ED SUPPORT	\$ -	\$ -
PS&E SUPPORT	\$ -	\$ -
RIGHT OF WAY SUPPORT	\$ -	\$ -
CONSTRUCTION SUPPORT	\$ -	\$ -
TOTAL CAPITAL OUTLAY SUPPORT COST*	\$ -	\$ -
TOTAL PROJECT COST	\$ 265,000	\$ 265,000

If Project has been programmed enter Programmed Amount \$ -

Month / Year
10 / 2015

Date of Estimate (Month/Year)

/

Estimated Date of Construction Start (Month/Year)

Working Days

Number of Working Days

Month / Year

Estimated Mid-Point of Construction (Month/Year)

Days

Number of Plant Establishment Days

Estimated Project Schedule

PID Approval
PA/ED Approval
PS&E
RTL
Begin Construction

Approved by Project
Manager

10/30/2015

(559) 374-3111

Project Manager

Date

Phone

I. ROADWAY ITEMS SUMMARY

Section		Cost
1	Earthwork	\$ 5,000
2	Pavement Structural Section	\$ -
3	Drainage	\$ -
4	Specialty Items	\$ 207,000
5	Environmental	\$ 14,600
6	Traffic Items	\$ -
7	Detours	\$ -
8	Minor Items	\$ -
9	Roadway Mobilization	\$ -
10	Supplemental Work	\$ 11,400
11	State Furnished	\$ -
12	Contingencies	\$ 23,800
13	Overhead	\$ -
TOTAL ROADWAY ITEMS		\$ 261,800

Estimate Prepared By	Melissa Blau - Design Engineer	10/29/2015	(559) 374-3107
	Name and Title	Date	Phone

Estimate Reviewed By	Edgar Noriega - Project Manager	10/30/2015	(559) 374-3111
	Name and Title	Date	Phone

By signing this estimate you are attesting that you have discussed your project with all functional units and have incorporated all their comments or have discussed with them why they will not be incorporated.

PRELIMINARY
PROJECT COST ESTIMATE

SECTION 1: EARTHWORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
160101 Clearing & Grubbing	LS	1	x 5,000.00	= \$ 5,000
170101 Develop Water Supply	LS		x	= \$ -
190101 Roadway Excavation	CY		x	= \$ -
190103 Roadway Excavation (Type Y) ADL	CY		x	= \$ -
190105 Roadway Excavation (Type Z-2) ADL	CY		x	= \$ -
192037 Structure Excavation (Retaining Wall)	CY		x	= \$ -
193013 Structure Backfill (Retaining Wall)	CY		x	= \$ -
193031 Pervious Backfill Material (Retaining Wall)	CY		x	= \$ -
194001 Ditch Excavation	CY		x	= \$ -
198001 Impored Borrow	CY		x	= \$ -
198007 Imported Material (Shoulder Backing)	TON		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL EARTHWORK SECTION ITEMS	\$ 5,000
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SECTION 2: PAVEMENT STRUCTURAL SECTION

Item code	Unit	Quantity	Unit Price (\$)	Cost
150771 Remove Asphalt Concrete Dike	LF		x	= \$ -
150860 Remove Base and Surfacing	CY		x	= \$ -
153103 Cold Plane Asphalt Concrete Pavement	SQYD		x	= \$ -
1532XX Remove Concrete (type)	CY		x	= \$ -
250401 Class 4 Aggregate Subbase	CY		x	= \$ -
260201 Class 2 Aggregate Base	CY		x	= \$ -
290201 Asphalt Treated Permeable Base	CY		x	= \$ -
365001 Sand Cover	TON		x	= \$ -
374002 Asphaltic Emulsion (Fog Seal Coat)	TON		x	= \$ -
374492 Asphaltic Emulsion (Polymer Modified)	TON		x	= \$ -
3750XX Screenings (Type XX)	TON		x	= \$ -
377501 Slurry Seal	TON		x	= \$ -
390095 Replace Asphalt Concrete Surfacing	CY		x	= \$ -
390132 Hot Mix Asphalt (Type A)	TON		x	= \$ -
390136 Minor Hot Mix Asphalt	TON		x	= \$ -
390137 Rubberized Hot Mix Asphalt (Gap Graded)	TON		x	= \$ -
393003 Geosynthetic Pavement Interlayer	SQYD		x	= \$ -
39405X Shoulder Rumber Strip (HMA, Type XX Inden	STA		x	= \$ -
394071 Place Hot Mix Asphalt Dike	LF		x	= \$ -
394090 Place Hot Mix Asphalt (Misc. Area)	SQYD		x	= \$ -
397005 Tack Coat	TON		x	= \$ -
401000 Concrete Pavement	CY		x	= \$ -
401108 Replace Concrete Pavement (Rapid Strength	CY		x	= \$ -
404092 Seal Pavement Joint	LF		x	= \$ -
404094 Seal Longitudinal Isolation Joint	LF		x	= \$ -
413112A Repair Spalled Joints (Polyester Grout)	SQYD		x	= \$ -
413115 Seal Existing Concrete Pavement Joint	LF		x	= \$ -
420102 Groove Existing Concrete Pavement	SQYD		x	= \$ -
420201 Grind Existing Concrete Pavement	SQYD		x	= \$ -
731502 Minor Concrete (Misc. Const)	CY		x	= \$ -
731530 Minor Concrete (Textured Paving)	SQFT		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL STRUCTURAL SECTION ITEMS	\$ -
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SECTION 3: DRAINAGE

Item code	Unit	Quantity	Unit Price (\$)	Cost
150206 Abandon Culvert	LF	x	= \$	-
150805 Remove Culvert	LF	x	= \$	-
150820 Modify Inlet	EA	x	= \$	-
152430 Adjust Inlet	LF	x	= \$	-
155003 Cap Inlet	EA	x	= \$	-
193114 Sand Backfill	CY	x	= \$	-
510502 Minor Concrete (Minor Structure)	CY	x	= \$	-
510512 Minor Concrete (Box Culvert)	CY	x	= \$	-
62XXXX XXX" APC Pipe	LF	x	= \$	-
64XXXX XXX" Plastic Pipe	LF	x	= \$	-
65XXXX XXX" RCP Pipe	LF	x	= \$	-
66XXXX XXX" CSP Pipe	LF	x	= \$	-
68XXXX Edge Drain	LF	x	= \$	-
69XXXX XXX" Pipe Downdrain	LF	x	= \$	-
70XXXX XXX" Pipe Inlet	LF	x	= \$	-
70XXXX XXX" Pipe Riser	LF	x	= \$	-
70XXXX XXX" Flared End Section	EA	x	= \$	-
703233 Grated Line Drain	LF	x	= \$	-
72XXXX Rock Slope Protection (Type and Method)	CY	x	= \$	-
721420 Concrete (Ditch Lining)	CY	x	= \$	-
721430 Concrete (Channel Lining)	CY	x	= \$	-
729010 Rock Slope Protection Fabric	SQYD	x	= \$	-
750001 Miscellaneous Iron and Steel	LB	x	= \$	-
XXXXXX Additional Drainage	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL DRAINAGE ITEMS	\$	-
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SECTION 4: SPECIALTY ITEMS

Item code	Unit	Quantity	Unit Price (\$)	Cost
070012 Progress Schedule (Critical Path Method)	LS	x	= \$	-
150662 Remove Metal Beam Guard Railing	LF	x	= \$	-
150668 Remove Terminal Systems	EA	x	= \$	-
1532XX Remove Barrier (60)	LF	x	= \$	-
153250 Remove Sound Wall	SQFT	x	= \$	-
190110 Lead Compliance Plan	LS	x	= \$	-
490601 CIDH Concrete Piling (16")	LF	726	45.00	32,670
510060 Structural Concrete (Retaining Wall)	CY	x	= \$	-
510133 Class 2 Concrete (Retaining Wall)	CY	x	= \$	-
510524 Minor Concrete (Sound Wall)	CY	x	= \$	-
5110XX Architectural Treatment (Insert Type)	SQFT	x	= \$	-
511048 Apply Anti-Graffiti Coating	SQFT	x	= \$	-
5136XX Reinforced Concrete Crib Wall (Insert Type)	SQFT	x	= \$	-
518002 Sound Wall (Masonry Block)	SQFT	8,712	20.00	174,240
520103 Bar Reinf. Steel (Retaining Wall)	LB	x	= \$	-
80XXXX Fence (Insert Type)	LF	x	= \$	-
832001 Metal Beam Guard Railing	LF	x	= \$	-
839310 Double Thrie Beam Barrier	LF	x	= \$	-
839521 Cable Railing	LF	x	= \$	-
83954X Transition Railing (Insert Type)	EA	x	= \$	-
8395XX Terminal System (Type CAT)	EA	x	= \$	-
8395XX Alternative Flared Terminal System	EA	x	= \$	-
8395XX End Anchor Assembly (Insert Type)	EA	x	= \$	-
839561 Rail Tensioning Assembly	EA	x	= \$	-
839XXX Crash Cushion (Insert Type)	EA	x	= \$	-
839701 Concrete Barrier (60)	LF	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL SPECIALTY ITEMS	\$	207,000
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SECTION 5: ENVIRONMENTAL

5A - ENVIRONMENTAL MITIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
Biological Mitigation	LS	x	= \$	-
071325 TEMPORARY REINFORCED SILT FENCE	LF	x	= \$	-
071325 Temporary Fence (Type ESA)				
Subtotal Environmental				\$ -

5B - LANDSCAPE AND IRRIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
200001 Highway Planting	LS	1 x	14,600.00 = \$	14,600
20XXXX XXX" (Insert Type) Conduit (Use for	LF	x	= \$	-
20XXXX Extend XXX" (Insert Type) Conduit	LF	x	= \$	-
201700 Imported Topsoil	CY	x	= \$	-
2030XX Erosion Control (Type __)	SQYD	x	= \$	-
203021 Fiber Rolls	LF	x	= \$	-
203026 Move In/ Move Out (Erosion Control)	EA	x	= \$	-
204099 Plant Establishment Work	LS	x	= \$	-
204101 Extend Plant Establishment (X Years)	LS	x	= \$	-
208000 Irrigation System	LS	x	= \$	-
208304 Water Meter	EA	x	= \$	-
209801 Maintenance Vehicle Pullout	EA	x	= \$	-
XXXXXX Some Item				
Subtotal Landscape and Irrigation				\$ 14,600

5C - NPDES

Item code	Unit	Quantity	Unit Price (\$)	Cost
074016 Construction Site Management	LS	x	= \$	-
074017 Prepare WPCP	LS	x	= \$	-
074019 Prepare SWPPP	LS	x	= \$	-
074023 Temporary Erosion Control	SQYD	x	= \$	-
074027 Temporary Erosion Control Blanket	SQYD	x	= \$	-
074028 Temporary Fiber Roll	LF	x	= \$	-
074032 Temporary Concrete Washout Facility	EA	x	= \$	-
074033 Temporary Construction Entrance	EA	x	= \$	-
074035 Temporary Check Dam	LF	x	= \$	-
074037 Move In/ Move Out (Temporary Erosion Control)	EA	x	= \$	-
074038 Temp. Drainage Inlet Protection	EA	x	= \$	-
074041 Street Sweeping	LS	x	= \$	-
074042 Temporary Concrete Washout (Portable)	LS	x	= \$	-
XXXXXX Some Item				

Supplemental Work for NPDES

(These costs are not accounted in total here but under Supplemental Work on sheet 7 of 11).

066595 Water Pollution Control Maintenance Sharing	LS	x	= \$	-
066596 Additional Water Pollution Control**	LS	x	= \$	-
066597 Storm Water Sampling and Analysis***	LS	x	= \$	-
XXXXXX Some Item				

Subtotal NPDES (Without Supplemental Work) \$ -

*Applies to all SWPPPs and those WPCPs with sediment control or soil stabilization BMPs.

**Applies to both SWPPPs and WPCP projects.

*** Applies only to project with SWPPPs.

TOTAL ENVIRONMENTAL	\$ 14,600
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SECTION 6: TRAFFIC ITEMS

6A - Traffic Electrical

Item code	Unit	Quantity	Unit Price (\$)	Cost
150760 Remove Sign Structure	EA	x	= \$	-
151581 Reconstruct Sign Structure	EA	x	= \$	-
152641 Modify Sign Structure	EA	x	= \$	-
5602XX Furnish Sign Structure	LB	x	= \$	-
5602XX Install Sign Structure	LB	x	= \$	-
56XXXX XXX" CIDHC Pile (Sign Foundation)	LF	x	= \$	-
860090 Maintain Existing Traffic Management	LS	x	= \$	-
860810 Inductive Loop Detectors	EA	x	= \$	-
86055X Lighting & Sign Illumination	LS	x	= \$	-
8607XX Interconnection Facilities	LS	x	= \$	-
8609XX Traffic Monitoring Stations	LS	x	= \$	-
860XXX Signals & Lighting	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
86XXXX Fiber Optic Conduit System	LS	x	= \$	-
XXXXX Some Item				
Subtotal Traffic Electrical				\$ -

6B - Traffic Signing and Striping

Item code	Unit	Quantity	Unit Price (\$)	Cost
120090 Construction Area Signs	LS	x	= \$	-
150701 Remove Yellow Painted Traffic Stripe	LF	x	= \$	-
150710 Remove Traffic Stripe	LF	x	= \$	-
150713 Remove Pavement Marking	SQFT	x	= \$	-
150742 Remove Roadside Sign	EA	x	= \$	-
152320 Reset Roadside Sign	EA	x	= \$	-
152390 Relocate Roadside Sign	EA	x	= \$	-
566011 Roadside Sign (One Post)	EA	x	= \$	-
566012 Roadside Sign (Two Post)	EA	x	= \$	-
560XXX Furnish Sign Panels	SQFT	x	= \$	-
560XXX Install Sign Panels	SQFT	x	= \$	-
82010X Delineator (Class X)	EA	x	= \$	-
84XXXX Permanent Pavement Delineation	LS	x	= \$	-
Subtotal Traffic Signing and Striping				\$ -

6C - Stage Construction and Traffic Handling

Item code	Unit	Quantity	Unit Price (\$)	Cost
120100 Traffic Control System	LS	x	= \$	-
120120 Type III Barricade	EA	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
12016X Channelizer	EA	x	= \$	-
128650 Portable Changeable Message Signs	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
129100 Temp. Crash Cushion Module	EA	x	= \$	-
129099A Traffic Plastic Drum	EA	x	= \$	-
839603A Temporary Crash Cushion (ADIEM)	EA	x	= \$	-
XXXXXX Some Item				
Subtotal Stage Construction and Traffic Handling				\$ -

TOTAL TRAFFIC ITEMS	\$ -
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SECTION 7: DETOURS

Include constructing, maintaining, and removal

Item code	Unit	Quantity	Unit Price (\$)	Cost
0713XX Temporary Fence (Type X)	LF	x	= \$	-
07XXXX Temporary Drainage	LS	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
1286XX Temporary Signals	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
190101 Roadway Excavation	CY	x	= \$	-
198001 Imported Borrow	CY	x	= \$	-
198050 Embankment	CY	x	= \$	-
250401 Class 4 Aggregate Subbase	CY	x	= \$	-
260201 Class 2 Aggregate Base	CY	x	= \$	-
390132 Hot Mix Asphalt (Type A)	TON	x	= \$	-
XXXXXX Some Item	LS	x	= \$	-

TOTAL DETOURS	\$	-
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SUBTOTAL SECTIONS 1-7 \$ 226,600

SECTION 8: MINOR ITEMS

8A - Americans with Disabilities Act Items

ADA Items 0.0% \$ -

8B - Bike Path Items

Bike Path Items 0.0% \$ -

8C - Other Minor Items

Other Minor Items 0.0% \$ -

Total of Section 1-7 \$ 226,600 x 0.0% = \$ -

TOTAL MINOR ITEMS	\$	-
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SECTIONS 9: MOBILIZATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
999990 Total Section 1-8	\$	226,600	x 10%	= \$ -

TOTAL MOBILIZATION	\$	-
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SECTION 10: SUPPLEMENTAL WORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
066015 Federal Trainee Program	LS	x	= \$	-
066063 Traffic Management Plan - Public Informati	LS	x	= \$	-
066090 Maintain Traffic	LS	x	= \$	-
066094 Value Analysis	LS	x	= \$	-
066204 Remove Rock & Debris	LS	x	= \$	-
066222 Locate Existing Cross-Over	LS	x	= \$	-
066670 Payment Adjustments For Price Index Fluct	LS	x	= \$	-
066700 Partnering	LS	x	= \$	-
066866 Operation of Existing Traffic Management S	LS	x	= \$	-
066920 Dispute Review Board	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

Cost of NPDES Supplemental Work specified in Section 5C = \$ -

Total Section 1-8 \$ 226,600 5% = \$ 11,330

TOTAL SUPPLEMENTAL WORK	\$	11,400
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PRELIMINARY
PROJECT COST ESTIMATE

SECTION 11: STATE FURNISHED MATERIALS AND EXPENSES

Item code	Unit	Quantity	Unit Price (\$)	Cost
066063 Public Information	LS	x	=	\$0
066105 RE Office	LS	x	=	\$0
066803 Padlocks	LS	x	=	\$0
066838 Reflective Numbers and Edge Sealer	LS	x	=	\$0
066901 Water Expenses	LS	x	=	\$0
066062A COZEEP Expenses	LS	x	=	\$0
06684X Ramp Meter Controller Assembly	LS	x	=	\$0
06684X TMS Controller Assembly	LS	x	=	\$0
06684X Traffic Signal Controller Assembly	LS	x	=	\$0
XXXXXX Some Item				

Total Section 1-8 \$ 226,600 0% = \$ -

TOTAL STATE FURNISHED	\$0
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SECTION 12: TIME-RELATED OVERHEAD

Estiamted Time-Releated Overhead (TRO) Percentage (0% to 10%) = 5%

Item code	Unit	Quantity	Unit Price (\$)	Cost
070018 Time-Related Overhead	WD	0	X #DIV/0! =	\$0

TOTAL TIME-RELATED OVERHEAD	\$0
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SECTION 13: CONTINGENCY

(Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)

Total Section 1-11 \$ 238,000 x 10% = \$23,800

TOTAL CONTINGENCY	\$23,800
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II. STRUCTURE ITEMS

DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
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DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0.0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
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TOTAL COST OF BRIDGES	\$0.00
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TOTAL COST OF BUILDINGS	\$0.00
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TOTAL COST OF STRUCTURES¹	\$0.00
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Estimate Prepared By: _____
XXXXXXXXXXXXXXXXXXXX ----- Division of Structures

_____ Date

¹Structure's Estimate includes Overhead and Mobilization.
Add more sheets if needed. Call them 9a, 9b, 9c, ..., etc

PRELIMINARY
PROJECT COST ESTIMATE

III. RIGHT OF WAY

Fill in all of the available information from the Right of Way data sheet.

A)	A1)	Acquisition, including Excess Land Purchases, Damages & Goodwill,	\$	0
	A2)	SB-1210	\$	0
B)		Acquisition of Offsite Mitigation	\$	0
C)	C1)	Utility Relocation (State Share)	\$	0
	C2)	Potholing (Design Phase)	\$	0
D)		Railroad Acquisition	\$	0
E)		Clearance / Demolition	\$	0
F)		Relocation Assistance (RAP and/or Last Resort Housing Costs)	\$	0
G)		Title and Escrow	\$	0
H)		Environmental Review	\$	0
I)		Condemnation Settlements	0%	0
		(Items G & H applied to items A + B)		
J)		Design Appreciation Factor	0%	0
K)		Utility Relocation (Construction Cost)	\$	0

L)

TOTAL RIGHT OF WAY ESTIMATE	\$0
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(Excluding Item #8 - Hazardous Waste)

M)

TOTAL R/W ESTIMATE: Escalated	\$0
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N)

Right of Way Support	\$	0
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Support Cost		
Estimate Prepared By	Project Coordinator ¹	Phone
Utility Estimate		
Prepared By	Utility Coordinator ²	Phone
R/W Acquisition		
Estimate Prepared By	Right of Way Estimator ³	Phone

¹ When estimate has Support Costs only ² When estimate has Utility Relocation

³ When R/W Acquisition is required

DO NOT PRINT THIS SHEET AS PART OF COST ESTIMATE ATTACHMENT TO PROJECT INITIATION OR APPROVAL DOCUMENTS.

IV. SUPPORT COST ESTIMATE SUMMARY

Please obtain a P3 report (CL#3) from PPM to fill in the support cost for these categories.

SB-45 CATEGORY SUPPORT COST	PREVIOUS	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FUTURE	P3 Total	Support Ratio
PR/ED (PD,PE,PM)											\$ -	0.00%
PS&E (PS)											\$ -	0.00%
R/W (RW)											\$ -	0.00%
CONSTRUCTION (CM)											\$ -	0.00%
Total Support Cost:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	0.00%

Note: It is assumed that the Support Costs are already escalated by Programming to the year of expenditure. Use project Programming Sheet data.

Total Capital Cost:	\$262,000
Total Capital Outlay Support Cost:	\$0
Overall Percent Support Cost:	0.00%

V. ESCALATED CONSTRUCTION COST ESTIMATE SUMMARY

Note: Right of way escalated cost are accounted for on sheet 10 of 11.

	Month	/	Year
Date of Estimate (Month/Year)	10	/	2015
Estimated Date of Construction Start (Month/Year)	0	/	0
Number of Working Days	0	WD	
Estimated Mid-Point of Construction (Month/Year)	0	/	0

YEAR	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE
FORECASTED ESCALATION											

ESCALATED CONSTRUCTION COSTS	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE	TOTAL ESCALATED COSTS
ROADWAY ITEMS	\$ 261,800	\$ 261,800	\$ 261,800	\$ 261,800	\$ 261,800	\$ 261,800	\$ 261,800	\$ 261,800	\$ 261,800	\$ 261,800	\$ 261,800	\$ 261,800
STRUCTURE ITEMS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SUBTOTAL	\$ 261,800	\$ 261,800	\$ 261,800	\$ 261,800	\$ 261,800	\$ 261,800	\$ 261,800	\$ 261,800	\$ 261,800	\$ 261,800	\$ 261,800	\$ 261,800

Approved by:

Project Control Engineer

Date

PRELIMINARY
PROJECT COST ESTIMATE
Sound Wall Cost Estimate

Project ID:

Type of Estimate : Sound Wall NB 5-2 (14' Wall)
Program Code :
Project Limits :
Description: SR41 NB Offramp E. Princeton Ave to E. Cornell Ave
Scope :
Alternative :

	Current Cost	Escalated Cost
ROADWAY ITEMS	\$ 295,300	\$ 295,300
STRUCTURE ITEMS	\$ -	\$ -
SUBTOTAL CONSTRUCTION COST	\$ 295,300	\$ 295,300
RIGHT OF WAY	\$ -	\$ -
TOTAL CAPITAL OUTLAY COST	\$ 296,000	\$ 296,000
PR/ED SUPPORT	\$ -	\$ -
PS&E SUPPORT	\$ -	\$ -
RIGHT OF WAY SUPPORT	\$ -	\$ -
CONSTRUCTION SUPPORT	\$ -	\$ -
TOTAL CAPITAL OUTLAY SUPPORT COST*	\$ -	\$ -
TOTAL PROJECT COST	\$ 300,000	\$ 300,000

If Project has been programmed enter Programmed Amount \$ -

Month / Year
10 / 2015

Date of Estimate (Month/Year)

/

Estimated Date of Construction Start (Month/Year)

Working Days

Number of Working Days

Month / Year

Estimated Mid-Point of Construction (Month/Year)

Days

Number of Plant Establishment Days

Estimated Project Schedule

PID Approval
PA/ED Approval
PS&E
RTL
Begin Construction

Approved by Project
Manager

10/30/2015

(559) 374-3111

Project Manager

Date

Phone

I. ROADWAY ITEMS SUMMARY

Section		Cost
1	Earthwork	\$ 5,000
2	Pavement Structural Section	\$ -
3	Drainage	\$ -
4	Specialty Items	\$ 236,000
5	Environmental	\$ 14,600
6	Traffic Items	\$ -
7	Detours	\$ -
8	Minor Items	\$ -
9	Roadway Mobilization	\$ -
10	Supplemental Work	\$ 12,800
11	State Furnished	\$ -
12	Contingencies	\$ 26,900
13	Overhead	\$ -
TOTAL ROADWAY ITEMS		\$ 295,300

Estimate Prepared By	Melissa Blau - Design Engineer	10/29/2015	(559) 374-3107
	Name and Title	Date	Phone

Estimate Reviewed By	Edgar Noriega - Project Manager	10/30/2015	(559) 374-3111
	Name and Title	Date	Phone

By signing this estimate you are attesting that you have discussed your project with all functional units and have incorporated all their comments or have discussed with them why they will not be incorporated.

PRELIMINARY
PROJECT COST ESTIMATE

SECTION 1: EARTHWORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
160101 Clearing & Grubbing	LS	1	x 5,000.00	= \$ 5,000
170101 Develop Water Supply	LS		x	= \$ -
190101 Roadway Excavation	CY		x	= \$ -
190103 Roadway Excavation (Type Y) ADL	CY		x	= \$ -
190105 Roadway Excavation (Type Z-2) ADL	CY		x	= \$ -
192037 Structure Excavation (Retaining Wall)	CY		x	= \$ -
193013 Structure Backfill (Retaining Wall)	CY		x	= \$ -
193031 Pervious Backfill Material (Retaining Wall)	CY		x	= \$ -
194001 Ditch Excavation	CY		x	= \$ -
198001 Impored Borrow	CY		x	= \$ -
198007 Imported Material (Shoulder Backing)	TON		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL EARTHWORK SECTION ITEMS	\$ 5,000
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SECTION 2: PAVEMENT STRUCTURAL SECTION

Item code	Unit	Quantity	Unit Price (\$)	Cost
150771 Remove Asphalt Concrete Dike	LF		x	= \$ -
150860 Remove Base and Surfacing	CY		x	= \$ -
153103 Cold Plane Asphalt Concrete Pavement	SQYD		x	= \$ -
1532XX Remove Concrete (type)	CY		x	= \$ -
250401 Class 4 Aggregate Subbase	CY		x	= \$ -
260201 Class 2 Aggregate Base	CY		x	= \$ -
290201 Asphalt Treated Permeable Base	CY		x	= \$ -
365001 Sand Cover	TON		x	= \$ -
374002 Asphaltic Emulsion (Fog Seal Coat)	TON		x	= \$ -
374492 Asphaltic Emulsion (Polymer Modified)	TON		x	= \$ -
3750XX Screenings (Type XX)	TON		x	= \$ -
377501 Slurry Seal	TON		x	= \$ -
390095 Replace Asphalt Concrete Surfacing	CY		x	= \$ -
390132 Hot Mix Asphalt (Type A)	TON		x	= \$ -
390136 Minor Hot Mix Asphalt	TON		x	= \$ -
390137 Rubberized Hot Mix Asphalt (Gap Graded)	TON		x	= \$ -
393003 Geosynthetic Pavement Interlayer	SQYD		x	= \$ -
39405X Shoulder Rumber Strip (HMA, Type XX Inden	STA		x	= \$ -
394071 Place Hot Mix Asphalt Dike	LF		x	= \$ -
394090 Place Hot Mix Asphalt (Misc. Area)	SQYD		x	= \$ -
397005 Tack Coat	TON		x	= \$ -
401000 Concrete Pavement	CY		x	= \$ -
401108 Replace Concrete Pavement (Rapid Strength	CY		x	= \$ -
404092 Seal Pavement Joint	LF		x	= \$ -
404094 Seal Longitudinal Isolation Joint	LF		x	= \$ -
413112A Repair Spalled Joints (Polyester Grout)	SQYD		x	= \$ -
413115 Seal Existing Concrete Pavement Joint	LF		x	= \$ -
420102 Groove Existing Concrete Pavement	SQYD		x	= \$ -
420201 Grind Existing Concrete Pavement	SQYD		x	= \$ -
731502 Minor Concrete (Misc. Const)	CY		x	= \$ -
731530 Minor Concrete (Textured Paving)	SQFT		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL STRUCTURAL SECTION ITEMS	\$ -
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SECTION 3: DRAINAGE

Item code	Unit	Quantity	Unit Price (\$)	Cost
150206 Abandon Culvert	LF	x	= \$	-
150805 Remove Culvert	LF	x	= \$	-
150820 Modify Inlet	EA	x	= \$	-
152430 Adjust Inlet	LF	x	= \$	-
155003 Cap Inlet	EA	x	= \$	-
193114 Sand Backfill	CY	x	= \$	-
510502 Minor Concrete (Minor Structure)	CY	x	= \$	-
510512 Minor Concrete (Box Culvert)	CY	x	= \$	-
62XXXX XXX" APC Pipe	LF	x	= \$	-
64XXXX XXX" Plastic Pipe	LF	x	= \$	-
65XXXX XXX" RCP Pipe	LF	x	= \$	-
66XXXX XXX" CSP Pipe	LF	x	= \$	-
68XXXX Edge Drain	LF	x	= \$	-
69XXXX XXX" Pipe Downdrain	LF	x	= \$	-
70XXXX XXX" Pipe Inlet	LF	x	= \$	-
70XXXX XXX" Pipe Riser	LF	x	= \$	-
70XXXX XXX" Flared End Section	EA	x	= \$	-
703233 Grated Line Drain	LF	x	= \$	-
72XXXX Rock Slope Protection (Type and Method)	CY	x	= \$	-
721420 Concrete (Ditch Lining)	CY	x	= \$	-
721430 Concrete (Channel Lining)	CY	x	= \$	-
729010 Rock Slope Protection Fabric	SQYD	x	= \$	-
750001 Miscellaneous Iron and Steel	LB	x	= \$	-
XXXXXX Additional Drainage	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL DRAINAGE ITEMS	\$	-
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SECTION 4: SPECIALTY ITEMS

Item code	Unit	Quantity	Unit Price (\$)	Cost
070012 Progress Schedule (Critical Path Method)	LS	x	= \$	-
150662 Remove Metal Beam Guard Railing	LF	x	= \$	-
150668 Remove Terminal Systems	EA	x	= \$	-
1532XX Remove Barrier (60)	LF	x	= \$	-
153250 Remove Sound Wall	SQFT	x	= \$	-
190110 Lead Compliance Plan	LS	x	= \$	-
490601 CIDH Concrete Piling (16")	LF	726	45.00	32,670
510060 Structural Concrete (Retaining Wall)	CY	x	= \$	-
510133 Class 2 Concrete (Retaining Wall)	CY	x	= \$	-
510524 Minor Concrete (Sound Wall)	CY	x	= \$	-
5110XX Architectural Treatment (Insert Type)	SQFT	x	= \$	-
511048 Apply Anti-Graffiti Coating	SQFT	x	= \$	-
5136XX Reinforced Concrete Crib Wall (Insert Type)	SQFT	x	= \$	-
518002 Sound Wall (Masonry Block)	SQFT	10,164	20.00	203,280
520103 Bar Reinf. Steel (Retaining Wall)	LB	x	= \$	-
80XXXX Fence (Insert Type)	LF	x	= \$	-
832001 Metal Beam Guard Railing	LF	x	= \$	-
839310 Double Thrie Beam Barrier	LF	x	= \$	-
839521 Cable Railing	LF	x	= \$	-
83954X Transition Railing (Insert Type)	EA	x	= \$	-
8395XX Terminal System (Type CAT)	EA	x	= \$	-
8395XX Alternative Flared Terminal System	EA	x	= \$	-
8395XX End Anchor Assembly (Insert Type)	EA	x	= \$	-
839561 Rail Tensioning Assembly	EA	x	= \$	-
839XXX Crash Cushion (Insert Type)	EA	x	= \$	-
839701 Concrete Barrier (60)	LF	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL SPECIALTY ITEMS	\$	236,000
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SECTION 5: ENVIRONMENTAL

5A - ENVIRONMENTAL MITIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
Biological Mitigation	LS	x	= \$	-
071325 TEMPORARY REINFORCED SILT FENCE	LF	x	= \$	-
071325 Temporary Fence (Type ESA)				
Subtotal Environmental				\$ -

5B - LANDSCAPE AND IRRIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
200001 Highway Planting	LS	1 x	14,600.00 = \$	14,600
20XXXX XXX" (Insert Type) Conduit (Use for	LF	x	= \$	-
20XXXX Extend XXX" (Insert Type) Conduit	LF	x	= \$	-
201700 Imported Topsoil	CY	x	= \$	-
2030XX Erosion Control (Type __)	SQYD	x	= \$	-
203021 Fiber Rolls	LF	x	= \$	-
203026 Move In/ Move Out (Erosion Control)	EA	x	= \$	-
204099 Plant Establishment Work	LS	x	= \$	-
204101 Extend Plant Establishment (X Years)	LS	x	= \$	-
208000 Irrigation System	LS	x	= \$	-
208304 Water Meter	EA	x	= \$	-
209801 Maintenance Vehicle Pullout	EA	x	= \$	-
XXXXXX Some Item				
Subtotal Landscape and Irrigation				\$ 14,600

5C - NPDES

Item code	Unit	Quantity	Unit Price (\$)	Cost
074016 Construction Site Management	LS	x	= \$	-
074017 Prepare WPCP	LS	x	= \$	-
074019 Prepare SWPPP	LS	x	= \$	-
074023 Temporary Erosion Control	SQYD	x	= \$	-
074027 Temporary Erosion Control Blanket	SQYD	x	= \$	-
074028 Temporary Fiber Roll	LF	x	= \$	-
074032 Temporary Concrete Washout Facility	EA	x	= \$	-
074033 Temporary Construction Entrance	EA	x	= \$	-
074035 Temporary Check Dam	LF	x	= \$	-
074037 Move In/ Move Out (Temporary Erosion Cont	EA	x	= \$	-
074038 Temp. Drainage Inlet Protection	EA	x	= \$	-
074041 Street Sweeping	LS	x	= \$	-
074042 Temporary Concrete Washout (Portable)	LS	x	= \$	-
XXXXXX Some Item				

Supplemental Work for NPDES

(These costs are not accounted in total here but under Supplemental Work on sheet 7 of 11).

066595 Water Pollution Control Maintenance Sharing	LS	x	= \$	-
066596 Additional Water Pollution Control**	LS	x	= \$	-
066597 Storm Water Sampling and Analysis***	LS	x	= \$	-
XXXXXX Some Item				

Subtotal NPDES (Without Supplemental Work) \$ -

*Applies to all SWPPPs and those WPCPs with sediment control or soil stabilization BMPs.

**Applies to both SWPPPs and WPCP projects.

*** Applies only to project with SWPPPs.

TOTAL ENVIRONMENTAL	\$ 14,600
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SECTION 6: TRAFFIC ITEMS

6A - Traffic Electrical

Item code	Unit	Quantity	Unit Price (\$)	Cost
150760 Remove Sign Structure	EA	x	= \$	-
151581 Reconstruct Sign Structure	EA	x	= \$	-
152641 Modify Sign Structure	EA	x	= \$	-
5602XX Furnish Sign Structure	LB	x	= \$	-
5602XX Install Sign Structure	LB	x	= \$	-
56XXXX XXX" CIDHC Pile (Sign Foundation)	LF	x	= \$	-
860090 Maintain Existing Traffic Management	LS	x	= \$	-
860810 Inductive Loop Detectors	EA	x	= \$	-
86055X Lighting & Sign Illumination	LS	x	= \$	-
8607XX Interconnection Facilities	LS	x	= \$	-
8609XX Traffic Monitoring Stations	LS	x	= \$	-
860XXX Signals & Lighting	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
86XXXX Fiber Optic Conduit System	LS	x	= \$	-
XXXXX Some Item				
Subtotal Traffic Electrical				\$ -

6B - Traffic Signing and Striping

Item code	Unit	Quantity	Unit Price (\$)	Cost
120090 Construction Area Signs	LS	x	= \$	-
150701 Remove Yellow Painted Traffic Stripe	LF	x	= \$	-
150710 Remove Traffic Stripe	LF	x	= \$	-
150713 Remove Pavement Marking	SQFT	x	= \$	-
150742 Remove Roadside Sign	EA	x	= \$	-
152320 Reset Roadside Sign	EA	x	= \$	-
152390 Relocate Roadside Sign	EA	x	= \$	-
566011 Roadside Sign (One Post)	EA	x	= \$	-
566012 Roadside Sign (Two Post)	EA	x	= \$	-
560XXX Furnish Sign Panels	SQFT	x	= \$	-
560XXX Install Sign Panels	SQFT	x	= \$	-
82010X Delineator (Class X)	EA	x	= \$	-
84XXXX Permanent Pavement Delineation	LS	x	= \$	-
Subtotal Traffic Signing and Striping				\$ -

6C - Stage Construction and Traffic Handling

Item code	Unit	Quantity	Unit Price (\$)	Cost
120100 Traffic Control System	LS	x	= \$	-
120120 Type III Barricade	EA	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
12016X Channelizer	EA	x	= \$	-
128650 Portable Changeable Message Signs	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
129100 Temp. Crash Cushion Module	EA	x	= \$	-
129099A Traffic Plastic Drum	EA	x	= \$	-
839603A Temporary Crash Cushion (ADIEM)	EA	x	= \$	-
XXXXXX Some Item				
Subtotal Stage Construction and Traffic Handling				\$ -

TOTAL TRAFFIC ITEMS	\$ -
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SECTION 7: DETOURS

Include constructing, maintaining, and removal

Item code	Unit	Quantity	Unit Price (\$)	Cost
0713XX Temporary Fence (Type X)	LF	x	= \$	-
07XXXX Temporary Drainage	LS	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
1286XX Temporary Signals	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
190101 Roadway Excavation	CY	x	= \$	-
198001 Imported Borrow	CY	x	= \$	-
198050 Embankment	CY	x	= \$	-
250401 Class 4 Aggregate Subbase	CY	x	= \$	-
260201 Class 2 Aggregate Base	CY	x	= \$	-
390132 Hot Mix Asphalt (Type A)	TON	x	= \$	-
XXXXXX Some Item	LS	x	= \$	-

TOTAL DETOURS	\$	-
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SUBTOTAL SECTIONS 1-7 \$ 255,600

SECTION 8: MINOR ITEMS

8A - Americans with Disabilities Act Items

ADA Items 0.0% \$ -

8B - Bike Path Items

Bike Path Items 0.0% \$ -

8C - Other Minor Items

Other Minor Items 0.0% \$ -

Total of Section 1-7 \$ 255,600 x 0.0% = \$ -

TOTAL MINOR ITEMS	\$	-
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SECTIONS 9: MOBILIZATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
999990 Total Section 1-8	\$	255,600	x 10%	= \$ -

TOTAL MOBILIZATION	\$	-
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SECTION 10: SUPPLEMENTAL WORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
066015 Federal Trainee Program	LS	x	= \$	-
066063 Traffic Management Plan - Public Informati	LS	x	= \$	-
066090 Maintain Traffic	LS	x	= \$	-
066094 Value Analysis	LS	x	= \$	-
066204 Remove Rock & Debris	LS	x	= \$	-
066222 Locate Existing Cross-Over	LS	x	= \$	-
066670 Payment Adjustments For Price Index Fluct	LS	x	= \$	-
066700 Partnering	LS	x	= \$	-
066866 Operation of Existing Traffic Management S	LS	x	= \$	-
066920 Dispute Review Board	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

Cost of NPDES Supplemental Work specified in Section 5C = \$ -

Total Section 1-8 \$ 255,600 5% = \$ 12,780

TOTAL SUPPLEMENTAL WORK	\$	12,800
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PRELIMINARY
PROJECT COST ESTIMATE

SECTION 11: STATE FURNISHED MATERIALS AND EXPENSES

Item code	Unit	Quantity	Unit Price (\$)	Cost
066063 Public Information	LS	x	=	\$0
066105 RE Office	LS	x	=	\$0
066803 Padlocks	LS	x	=	\$0
066838 Reflective Numbers and Edge Sealer	LS	x	=	\$0
066901 Water Expenses	LS	x	=	\$0
066062A COZEEP Expenses	LS	x	=	\$0
06684X Ramp Meter Controller Assembly	LS	x	=	\$0
06684X TMS Controller Assembly	LS	x	=	\$0
06684X Traffic Signal Controller Assembly	LS	x	=	\$0
XXXXXX Some Item				

Total Section 1-8 \$ 255,600 0% = \$ -

TOTAL STATE FURNISHED	\$0
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SECTION 12: TIME-RELATED OVERHEAD

Estiamted Time-Releated Overhead (TRO) Percentage (0% to 10%) = 5%

Item code	Unit	Quantity	Unit Price (\$)	Cost
070018 Time-Related Overhead	WD	0	X #DIV/0! =	\$0

TOTAL TIME-RELATED OVERHEAD	\$0
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SECTION 13: CONTINGENCY

(Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)

Total Section 1-11 \$ 268,400 x 10% = \$26,840

TOTAL CONTINGENCY	\$26,900
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II. STRUCTURE ITEMS

DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
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DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0.00 SQFT	0.0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
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TOTAL COST OF BRIDGES	\$0.00
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TOTAL COST OF BUILDINGS	\$0.00
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TOTAL COST OF STRUCTURES¹	\$0.00
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Estimate Prepared By: _____
XXXXXXXXXXXXXXXXXXXX ----- Division of Structures

_____ Date

¹Structure's Estimate includes Overhead and Mobilization.
Add more sheets if needed. Call them 9a, 9b, 9c, ..., etc

PRELIMINARY
PROJECT COST ESTIMATE

III. RIGHT OF WAY

Fill in all of the available information from the Right of Way data sheet.

A)	A1)	Acquisition, including Excess Land Purchases, Damages & Goodwill,	\$	0
	A2)	SB-1210	\$	0
B)		Acquisition of Offsite Mitigation	\$	0
C)	C1)	Utility Relocation (State Share)	\$	0
	C2)	Potholing (Design Phase)	\$	0
D)		Railroad Acquisition	\$	0
E)		Clearance / Demolition	\$	0
F)		Relocation Assistance (RAP and/or Last Resort Housing Costs)	\$	0
G)		Title and Escrow	\$	0
H)		Environmental Review	\$	0
I)		Condemnation Settlements	0%	0
		(Items G & H applied to items A + B)		
J)		Design Appreciation Factor	0%	0
K)		Utility Relocation (Construction Cost)	\$	0

L) **TOTAL RIGHT OF WAY ESTIMATE** **\$0**
(Excluding Item #8 - Hazardous Waste)

M) **TOTAL R/W ESTIMATE: Escalated** **\$0**

N) **Right of Way Support** **\$ 0**

Support Cost		
Estimate Prepared By	Project Coordinator ¹	Phone
Utility Estimate		
Prepared By	Utility Coordinator ²	Phone
R/W Acquisition		
Estimate Prepared By	Right of Way Estimator ³	Phone

¹ When estimate has Support Costs only ² When estimate has Utility Relocation

³ When R/W Acquisition is required

DO NOT PRINT THIS SHEET AS PART OF COST ESTIMATE ATTACHMENT TO PROJECT INITIATION OR APPROVAL DOCUMENTS.

IV. SUPPORT COST ESTIMATE SUMMARY

Please obtain a P3 report (CL#3) from PPM to fill in the support cost for these categories.

SB-45 CATEGORY SUPPORT COST	PREVIOUS	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FUTURE	P3 Total	Support Ratio
PR/ED (PD,PE,PM)											\$ -	0.00%
PS&E (PS)											\$ -	0.00%
R/W (RW)											\$ -	0.00%
CONSTRUCTION (CM)											\$ -	0.00%
Total Support Cost:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	0.00%

Note: It is assumed that the Support Costs are already escalated by Programming to the year of expenditure. Use project Programming Sheet data.

Total Capital Cost:	\$296,000
Total Capital Outlay Support Cost:	\$0
Overall Percent Support Cost:	0.00%

V. ESCALATED CONSTRUCTION COST ESTIMATE SUMMARY

Note: Right of way escalated cost are accounted for on sheet 10 of 11.

	Month	/	Year
Date of Estimate (Month/Year)	10	/	2015
Estimated Date of Construction Start (Month/Year)	0	/	0
Number of Working Days	0	WD	
Estimated Mid-Point of Construction (Month/Year)	0	/	0

YEAR	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE
FORECASTED ESCALATION											

ESCALATED CONSTRUCTION COSTS	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE	TOTAL ESCALATED COSTS
ROADWAY ITEMS	\$ 295,300	\$ 295,300	\$ 295,300	\$ 295,300	\$ 295,300	\$ 295,300	\$ 295,300	\$ 295,300	\$ 295,300	\$ 295,300	\$ 295,300	\$ 295,300
STRUCTURE ITEMS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SUBTOTAL	\$ 295,300	\$ 295,300	\$ 295,300	\$ 295,300	\$ 295,300	\$ 295,300	\$ 295,300	\$ 295,300	\$ 295,300	\$ 295,300	\$ 295,300	\$ 295,300

Approved by:

Project Control Engineer

Date

PRELIMINARY
PROJECT COST ESTIMATE
Sound Wall Cost Estimate

Project ID:

Type of Estimate : Sound Wall NB 5-2 (16' Wall)
Program Code :
Project Limits :
Description: SR41 NB Offramp E. Princeton Ave to E. Cornell Ave
Scope :
Alternative :

	Current Cost	Escalated Cost
ROADWAY ITEMS	\$ 328,800	\$ 328,800
STRUCTURE ITEMS	\$ -	\$ -
SUBTOTAL CONSTRUCTION COST	\$ 328,800	\$ 328,800
RIGHT OF WAY	\$ -	\$ -
TOTAL CAPITAL OUTLAY COST	\$ 329,000	\$ 329,000
PR/ED SUPPORT	\$ -	\$ -
PS&E SUPPORT	\$ -	\$ -
RIGHT OF WAY SUPPORT	\$ -	\$ -
CONSTRUCTION SUPPORT	\$ -	\$ -
TOTAL CAPITAL OUTLAY SUPPORT COST*	\$ -	\$ -
TOTAL PROJECT COST	\$ 330,000	\$ 330,000

If Project has been programmed enter Programmed Amount \$ -

Month / Year
10 / 2015

Date of Estimate (Month/Year)

/

Estimated Date of Construction Start (Month/Year)

Working Days

Number of Working Days

Month / Year

Estimated Mid-Point of Construction (Month/Year)

Days

Number of Plant Establishment Days

Estimated Project Schedule

PID Approval
PA/ED Approval
PS&E
RTL
Begin Construction

Approved by Project
Manager

10/30/2015

(559) 374-3111

Project Manager

Date

Phone

I. ROADWAY ITEMS SUMMARY

Section		Cost
1	Earthwork	\$ 5,000
2	Pavement Structural Section	\$ -
3	Drainage	\$ -
4	Specialty Items	\$ 265,000
5	Environmental	\$ 14,600
6	Traffic Items	\$ -
7	Detours	\$ -
8	Minor Items	\$ -
9	Roadway Mobilization	\$ -
10	Supplemental Work	\$ 14,300
11	State Furnished	\$ -
12	Contingencies	\$ 29,900
13	Overhead	\$ -
TOTAL ROADWAY ITEMS		\$ 328,800

Estimate Prepared By	Melissa Blau - Design Engineer	10/29/2015	(559) 374-3107
	Name and Title	Date	Phone

Estimate Reviewed By	Edgar Noriega - Project Manager	10/30/2015	(559) 374-3111
	Name and Title	Date	Phone

By signing this estimate you are attesting that you have discussed your project with all functional units and have incorporated all their comments or have discussed with them why they will not be incorporated.

PRELIMINARY
PROJECT COST ESTIMATE

SECTION 1: EARTHWORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
160101 Clearing & Grubbing	LS	1	x 5,000.00	= \$ 5,000
170101 Develop Water Supply	LS		x	= \$ -
190101 Roadway Excavation	CY		x	= \$ -
190103 Roadway Excavation (Type Y) ADL	CY		x	= \$ -
190105 Roadway Excavation (Type Z-2) ADL	CY		x	= \$ -
192037 Structure Excavation (Retaining Wall)	CY		x	= \$ -
193013 Structure Backfill (Retaining Wall)	CY		x	= \$ -
193031 Pervious Backfill Material (Retaining Wall)	CY		x	= \$ -
194001 Ditch Excavation	CY		x	= \$ -
198001 Impored Borrow	CY		x	= \$ -
198007 Imported Material (Shoulder Backing)	TON		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL EARTHWORK SECTION ITEMS	\$ 5,000
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SECTION 2: PAVEMENT STRUCTURAL SECTION

Item code	Unit	Quantity	Unit Price (\$)	Cost
150771 Remove Asphalt Concrete Dike	LF		x	= \$ -
150860 Remove Base and Surfacing	CY		x	= \$ -
153103 Cold Plane Asphalt Concrete Pavement	SQYD		x	= \$ -
1532XX Remove Concrete (type)	CY		x	= \$ -
250401 Class 4 Aggregate Subbase	CY		x	= \$ -
260201 Class 2 Aggregate Base	CY		x	= \$ -
290201 Asphalt Treated Permeable Base	CY		x	= \$ -
365001 Sand Cover	TON		x	= \$ -
374002 Asphaltic Emulsion (Fog Seal Coat)	TON		x	= \$ -
374492 Asphaltic Emulsion (Polymer Modified)	TON		x	= \$ -
3750XX Screenings (Type XX)	TON		x	= \$ -
377501 Slurry Seal	TON		x	= \$ -
390095 Replace Asphalt Concrete Surfacing	CY		x	= \$ -
390132 Hot Mix Asphalt (Type A)	TON		x	= \$ -
390136 Minor Hot Mix Asphalt	TON		x	= \$ -
390137 Rubberized Hot Mix Asphalt (Gap Graded)	TON		x	= \$ -
393003 Geosynthetic Pavement Interlayer	SQYD		x	= \$ -
39405X Shoulder Rumber Strip (HMA, Type XX Inden	STA		x	= \$ -
394071 Place Hot Mix Asphalt Dike	LF		x	= \$ -
394090 Place Hot Mix Asphalt (Misc. Area)	SQYD		x	= \$ -
397005 Tack Coat	TON		x	= \$ -
401000 Concrete Pavement	CY		x	= \$ -
401108 Replace Concrete Pavement (Rapid Strength	CY		x	= \$ -
404092 Seal Pavement Joint	LF		x	= \$ -
404094 Seal Longitudinal Isolation Joint	LF		x	= \$ -
413112A Repair Spalled Joints (Polyester Grout)	SQYD		x	= \$ -
413115 Seal Existing Concrete Pavement Joint	LF		x	= \$ -
420102 Groove Existing Concrete Pavement	SQYD		x	= \$ -
420201 Grind Existing Concrete Pavement	SQYD		x	= \$ -
731502 Minor Concrete (Misc. Const)	CY		x	= \$ -
731530 Minor Concrete (Textured Paving)	SQFT		x	= \$ -
XXXXXX Some Item			x	= \$ -

TOTAL STRUCTURAL SECTION ITEMS	\$ -
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SECTION 3: DRAINAGE

Item code	Unit	Quantity	Unit Price (\$)	Cost
150206 Abandon Culvert	LF	x	= \$	-
150805 Remove Culvert	LF	x	= \$	-
150820 Modify Inlet	EA	x	= \$	-
152430 Adjust Inlet	LF	x	= \$	-
155003 Cap Inlet	EA	x	= \$	-
193114 Sand Backfill	CY	x	= \$	-
510502 Minor Concrete (Minor Structure)	CY	x	= \$	-
510512 Minor Concrete (Box Culvert)	CY	x	= \$	-
62XXXX XXX" APC Pipe	LF	x	= \$	-
64XXXX XXX" Plastic Pipe	LF	x	= \$	-
65XXXX XXX" RCP Pipe	LF	x	= \$	-
66XXXX XXX" CSP Pipe	LF	x	= \$	-
68XXXX Edge Drain	LF	x	= \$	-
69XXXX XXX" Pipe Downdrain	LF	x	= \$	-
70XXXX XXX" Pipe Inlet	LF	x	= \$	-
70XXXX XXX" Pipe Riser	LF	x	= \$	-
70XXXX XXX" Flared End Section	EA	x	= \$	-
703233 Grated Line Drain	LF	x	= \$	-
72XXXX Rock Slope Protection (Type and Method)	CY	x	= \$	-
721420 Concrete (Ditch Lining)	CY	x	= \$	-
721430 Concrete (Channel Lining)	CY	x	= \$	-
729010 Rock Slope Protection Fabric	SQYD	x	= \$	-
750001 Miscellaneous Iron and Steel	LB	x	= \$	-
XXXXXX Additional Drainage	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL DRAINAGE ITEMS	\$	-
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SECTION 4: SPECIALTY ITEMS

Item code	Unit	Quantity	Unit Price (\$)	Cost
070012 Progress Schedule (Critical Path Method)	LS	x	= \$	-
150662 Remove Metal Beam Guard Railing	LF	x	= \$	-
150668 Remove Terminal Systems	EA	x	= \$	-
1532XX Remove Barrier (60)	LF	x	= \$	-
153250 Remove Sound Wall	SQFT	x	= \$	-
190110 Lead Compliance Plan	LS	x	= \$	-
490601 CIDH Concrete Piling (16")	LF	726	45.00	32,670
510060 Structural Concrete (Retaining Wall)	CY	x	= \$	-
510133 Class 2 Concrete (Retaining Wall)	CY	x	= \$	-
510524 Minor Concrete (Sound Wall)	CY	x	= \$	-
5110XX Architectural Treatment (Insert Type)	SQFT	x	= \$	-
511048 Apply Anti-Graffiti Coating	SQFT	x	= \$	-
5136XX Reinforced Concrete Crib Wall (Insert Type)	SQFT	x	= \$	-
518002 Sound Wall (Masonry Block)	SQFT	11,616	20.00	232,320
520103 Bar Reinf. Steel (Retaining Wall)	LB	x	= \$	-
80XXXX Fence (Insert Type)	LF	x	= \$	-
832001 Metal Beam Guard Railing	LF	x	= \$	-
839310 Double Thrie Beam Barrier	LF	x	= \$	-
839521 Cable Railing	LF	x	= \$	-
83954X Transition Railing (Insert Type)	EA	x	= \$	-
8395XX Terminal System (Type CAT)	EA	x	= \$	-
8395XX Alternative Flared Terminal System	EA	x	= \$	-
8395XX End Anchor Assembly (Insert Type)	EA	x	= \$	-
839561 Rail Tensioning Assembly	EA	x	= \$	-
839XXX Crash Cushion (Insert Type)	EA	x	= \$	-
839701 Concrete Barrier (60)	LF	x	= \$	-
XXXXXX Some Item		x	= \$	-

TOTAL SPECIALTY ITEMS	\$	265,000
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SECTION 5: ENVIRONMENTAL

5A - ENVIRONMENTAL MITIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
Biological Mitigation	LS	x	= \$	-
071325 TEMPORARY REINFORCED SILT FENCE	LF	x	= \$	-
071325 Temporary Fence (Type ESA)				
Subtotal Environmental				\$ -

5B - LANDSCAPE AND IRRIGATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
200001 Highway Planting	LS	1 x	14,600.00 = \$	14,600
20XXXX XXX" (Insert Type) Conduit (Use for	LF	x	= \$	-
20XXXX Extend XXX" (Insert Type) Conduit	LF	x	= \$	-
201700 Imported Topsoil	CY	x	= \$	-
2030XX Erosion Control (Type __)	SQYD	x	= \$	-
203021 Fiber Rolls	LF	x	= \$	-
203026 Move In/ Move Out (Erosion Control)	EA	x	= \$	-
204099 Plant Establishment Work	LS	x	= \$	-
204101 Extend Plant Establishment (X Years)	LS	x	= \$	-
208000 Irrigation System	LS	x	= \$	-
208304 Water Meter	EA	x	= \$	-
209801 Maintenance Vehicle Pullout	EA	x	= \$	-
XXXXXX Some Item				
Subtotal Landscape and Irrigation				\$ 14,600

5C - NPDES

Item code	Unit	Quantity	Unit Price (\$)	Cost
074016 Construction Site Management	LS	x	= \$	-
074017 Prepare WPCP	LS	x	= \$	-
074019 Prepare SWPPP	LS	x	= \$	-
074023 Temporary Erosion Control	SQYD	x	= \$	-
074027 Temporary Erosion Control Blanket	SQYD	x	= \$	-
074028 Temporary Fiber Roll	LF	x	= \$	-
074032 Temporary Concrete Washout Facility	EA	x	= \$	-
074033 Temporary Construction Entrance	EA	x	= \$	-
074035 Temporary Check Dam	LF	x	= \$	-
074037 Move In/ Move Out (Temporary Erosion Cont	EA	x	= \$	-
074038 Temp. Drainage Inlet Protection	EA	x	= \$	-
074041 Street Sweeping	LS	x	= \$	-
074042 Temporary Concrete Washout (Portable)	LS	x	= \$	-
XXXXXX Some Item				

Supplemental Work for NPDES

(These costs are not accounted in total here but under Supplemental Work on sheet 7 of 11).

066595 Water Pollution Control Maintenance Sharing	LS	x	= \$	-
066596 Additional Water Pollution Control**	LS	x	= \$	-
066597 Storm Water Sampling and Analysis***	LS	x	= \$	-
XXXXXX Some Item				

Subtotal NPDES (Without Supplemental Work) \$ -

*Applies to all SWPPPs and those WPCPs with sediment control or soil stabilization BMPs.

**Applies to both SWPPPs and WPCP projects.

*** Applies only to project with SWPPPs.

TOTAL ENVIRONMENTAL	\$ 14,600
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SECTION 6: TRAFFIC ITEMS

6A - Traffic Electrical

Item code	Unit	Quantity	Unit Price (\$)	Cost
150760 Remove Sign Structure	EA	x	= \$	-
151581 Reconstruct Sign Structure	EA	x	= \$	-
152641 Modify Sign Structure	EA	x	= \$	-
5602XX Furnish Sign Structure	LB	x	= \$	-
5602XX Install Sign Structure	LB	x	= \$	-
56XXXX XXX" CIDHC Pile (Sign Foundation)	LF	x	= \$	-
860090 Maintain Existing Traffic Management	LS	x	= \$	-
860810 Inductive Loop Detectors	EA	x	= \$	-
86055X Lighting & Sign Illumination	LS	x	= \$	-
8607XX Interconnection Facilities	LS	x	= \$	-
8609XX Traffic Monitoring Stations	LS	x	= \$	-
860XXX Signals & Lighting	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
8611XX Ramp Metering System (Location X)	LS	x	= \$	-
86XXXX Fiber Optic Conduit System	LS	x	= \$	-
XXXXX Some Item				
Subtotal Traffic Electrical				\$ -

6B - Traffic Signing and Striping

Item code	Unit	Quantity	Unit Price (\$)	Cost
120090 Construction Area Signs	LS	x	= \$	-
150701 Remove Yellow Painted Traffic Stripe	LF	x	= \$	-
150710 Remove Traffic Stripe	LF	x	= \$	-
150713 Remove Pavement Marking	SQFT	x	= \$	-
150742 Remove Roadside Sign	EA	x	= \$	-
152320 Reset Roadside Sign	EA	x	= \$	-
152390 Relocate Roadside Sign	EA	x	= \$	-
566011 Roadside Sign (One Post)	EA	x	= \$	-
566012 Roadside Sign (Two Post)	EA	x	= \$	-
560XXX Furnish Sign Panels	SQFT	x	= \$	-
560XXX Install Sign Panels	SQFT	x	= \$	-
82010X Delineator (Class X)	EA	x	= \$	-
84XXXX Permanent Pavement Delineation	LS	x	= \$	-
Subtotal Traffic Signing and Striping				\$ -

6C - Stage Construction and Traffic Handling

Item code	Unit	Quantity	Unit Price (\$)	Cost
120100 Traffic Control System	LS	x	= \$	-
120120 Type III Barricade	EA	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
12016X Channelizer	EA	x	= \$	-
128650 Portable Changeable Message Signs	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
129100 Temp. Crash Cushion Module	EA	x	= \$	-
129099A Traffic Plastic Drum	EA	x	= \$	-
839603A Temporary Crash Cushion (ADIEM)	EA	x	= \$	-
XXXXXX Some Item				
Subtotal Stage Construction and Traffic Handling				\$ -

TOTAL TRAFFIC ITEMS	\$ -
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SECTION 7: DETOURS

Include constructing, maintaining, and removal

Item code	Unit	Quantity	Unit Price (\$)	Cost
0713XX Temporary Fence (Type X)	LF	x	= \$	-
07XXXX Temporary Drainage	LS	x	= \$	-
120143 Temporary Pavement Delineation	LF	x	= \$	-
1286XX Temporary Signals	EA	x	= \$	-
129000 Temporary Railing (Type K)	LF	x	= \$	-
190101 Roadway Excavation	CY	x	= \$	-
198001 Imported Borrow	CY	x	= \$	-
198050 Embankment	CY	x	= \$	-
250401 Class 4 Aggregate Subbase	CY	x	= \$	-
260201 Class 2 Aggregate Base	CY	x	= \$	-
390132 Hot Mix Asphalt (Type A)	TON	x	= \$	-
XXXXXX Some Item	LS	x	= \$	-

TOTAL DETOURS	\$	-
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SUBTOTAL SECTIONS 1-7 \$ 284,600

SECTION 8: MINOR ITEMS

8A - Americans with Disabilities Act Items

ADA Items 0.0% \$ -

8B - Bike Path Items

Bike Path Items 0.0% \$ -

8C - Other Minor Items

Other Minor Items 0.0% \$ -

Total of Section 1-7 \$ 284,600 x 0.0% = \$ -

TOTAL MINOR ITEMS	\$	-
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SECTIONS 9: MOBILIZATION

Item code	Unit	Quantity	Unit Price (\$)	Cost
999990 Total Section 1-8	\$	284,600	x 10%	= \$ -

TOTAL MOBILIZATION	\$	-
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SECTION 10: SUPPLEMENTAL WORK

Item code	Unit	Quantity	Unit Price (\$)	Cost
066015 Federal Trainee Program	LS	x	= \$	-
066063 Traffic Management Plan - Public Informati	LS	x	= \$	-
066090 Maintain Traffic	LS	x	= \$	-
066094 Value Analysis	LS	x	= \$	-
066204 Remove Rock & Debris	LS	x	= \$	-
066222 Locate Existing Cross-Over	LS	x	= \$	-
066670 Payment Adjustments For Price Index Fluct	LS	x	= \$	-
066700 Partnering	LS	x	= \$	-
066866 Operation of Existing Traffic Management S	LS	x	= \$	-
066920 Dispute Review Board	LS	x	= \$	-
XXXXXX Some Item		x	= \$	-

Cost of NPDES Supplemental Work specified in Section 5C = \$ -

Total Section 1-8 \$ 284,600 5% = \$ 14,230

TOTAL SUPPLEMENTAL WORK	\$	14,300
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PRELIMINARY
PROJECT COST ESTIMATE

SECTION 11: STATE FURNISHED MATERIALS AND EXPENSES

Item code	Unit	Quantity	Unit Price (\$)	Cost
066063 Public Information	LS	x	=	\$0
066105 RE Office	LS	x	=	\$0
066803 Padlocks	LS	x	=	\$0
066838 Reflective Numbers and Edge Sealer	LS	x	=	\$0
066901 Water Expenses	LS	x	=	\$0
066062A COZEEP Expenses	LS	x	=	\$0
06684X Ramp Meter Controller Assembly	LS	x	=	\$0
06684X TMS Controller Assembly	LS	x	=	\$0
06684X Traffic Signal Controller Assembly	LS	x	=	\$0
XXXXXX Some Item				

Total Section 1-8 \$ 284,600 0% = \$ -

TOTAL STATE FURNISHED \$0

SECTION 12: TIME-RELATED OVERHEAD

Estiamted Time-Releated Overhead (TRO) Percentage (0% to 10%) = 5%

Item code	Unit	Quantity	Unit Price (\$)	Cost
070018 Time-Related Overhead	WD	0	X #DIV/0! =	\$0

TOTAL TIME-RELATED OVERHEAD \$0

SECTION 13: CONTINGENCY

(Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)

Total Section 1-11 \$ 298,900 x 10% = \$29,890

TOTAL CONTINGENCY \$29,900

II. STRUCTURE ITEMS

DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
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DATE OF ESTIMATE	00/00/00	00/00/00	00/00/00
Name	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Bridge Number	57-XXX	57-XXX	57-XXX
Structure Type	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Width (Feet) [out to out]	0.00 LF	0.00 LF	0.00 LF
Total Length (Feet)	0.00 LF	0.00 LF	0.00 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0.0 SQFT
Structure Depth (Feet)	0.00 LF	0.00 LF	0.00 LF
Footing Type (pile or spread)	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Cost Per Square Foot	\$0.00	\$0.00	\$0.00

COST OF EACH STRUCTURE	\$0.00	\$0.00	\$0.00
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TOTAL COST OF BRIDGES	\$0.00
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TOTAL COST OF BUILDINGS	\$0.00
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TOTAL COST OF STRUCTURES¹	\$0.00
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Estimate Prepared By: _____
XXXXXXXXXXXXXXXXXXXX ----- Division of Structures

_____ Date

¹Structure's Estimate includes Overhead and Mobilization.
Add more sheets if needed. Call them 9a, 9b, 9c, ..., etc

PRELIMINARY
PROJECT COST ESTIMATE

III. RIGHT OF WAY

Fill in all of the available information from the Right of Way data sheet.

A)	A1)	Acquisition, including Excess Land Purchases, Damages & Goodwill,	\$	0
	A2)	SB-1210	\$	0
B)		Acquisition of Offsite Mitigation	\$	0
C)	C1)	Utility Relocation (State Share)	\$	0
	C2)	Potholing (Design Phase)	\$	0
D)		Railroad Acquisition	\$	0
E)		Clearance / Demolition	\$	0
F)		Relocation Assistance (RAP and/or Last Resort Housing Costs)	\$	0
G)		Title and Escrow	\$	0
H)		Environmental Review	\$	0
I)		Condemnation Settlements	0%	0
		(Items G & H applied to items A + B)		
J)		Design Appreciation Factor	0%	0
K)		Utility Relocation (Construction Cost)	\$	0

L)

TOTAL RIGHT OF WAY ESTIMATE	\$0
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(Excluding Item #8 - Hazardous Waste)

M)

TOTAL R/W ESTIMATE: Escalated	\$0
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N)

Right of Way Support	\$	0
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Support Cost
Estimate Prepared By _____ Project Coordinator¹ _____ Phone _____

Utility Estimate
Prepared By _____ Utility Coordinator² _____ Phone _____

R/W Acquisition
Estimate Prepared By _____ Right of Way Estimator³ _____ Phone _____

¹ When estimate has Support Costs only ² When estimate has Utility Relocation

³ When R/W Acquisition is required

DO NOT PRINT THIS SHEET AS PART OF COST ESTIMATE ATTACHMENT TO PROJECT INITIATION OR APPROVAL DOCUMENTS.

IV. SUPPORT COST ESTIMATE SUMMARY

Please obtain a P3 report (CL#3) from PPM to fill in the support cost for these categories.

SB-45 CATEGORY SUPPORT COST	PREVIOUS	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FUTURE	P3 Total	Support Ratio
PR/ED (PD,PE,PM)											\$ -	0.00%
PS&E (PS)											\$ -	0.00%
R/W (RW)											\$ -	0.00%
CONSTRUCTION (CM)											\$ -	0.00%
Total Support Cost:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	0.00%

Note: It is assumed that the Support Costs are already escalated by Programming to the year of expenditure. Use project Programming Sheet data.

Total Capital Cost:	\$329,000
Total Capital Outlay Support Cost:	\$0
Overall Percent Support Cost:	0.00%

V. ESCALATED CONSTRUCTION COST ESTIMATE SUMMARY

Note: Right of way escalated cost are accounted for on sheet 10 of 11.

	Month	/	Year
Date of Estimate (Month/Year)	10	/	2015
Estimated Date of Construction Start (Month/Year)	0	/	0
Number of Working Days	0	WD	
Estimated Mid-Point of Construction (Month/Year)	0	/	0

YEAR	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE
FORECASTED ESCALATION											

ESCALATED CONSTRUCTION COSTS	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	FUTURE	TOTAL ESCALATED COSTS
ROADWAY ITEMS	\$ 328,800	\$ 328,800	\$ 328,800	\$ 328,800	\$ 328,800	\$ 328,800	\$ 328,800	\$ 328,800	\$ 328,800	\$ 328,800	\$ 328,800	\$ 328,800
STRUCTURE ITEMS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SUBTOTAL	\$ 328,800	\$ 328,800	\$ 328,800	\$ 328,800	\$ 328,800	\$ 328,800	\$ 328,800	\$ 328,800	\$ 328,800	\$ 328,800	\$ 328,800	\$ 328,800

Approved by:

Project Control Engineer

Date

Site	NB No.	Height (Feet)	Approx Length (Feet)	Square Footage of Wall (ft ²)	Landscape/Irrigation Swath (ft ²)	Notes
1	1-1	12	817	9,804	8,170	Landscape and Irrigation to be replaced in-kind on embankment (Assumed 10' Swath)
		14	817	11,438	8,170	Traffic Handling - Temporary Lane Closure
		16	817	13,072	8,170	Demo Existing wall
	1-2	8	460	3,680	4,600	Traffic Handling - Ramp Closure
		10	460	4,600	4,600	Landscape and Irrigation to be replaced in-kind on embankment (Assumed 10' Swath)
		12	460	5,520	4,600	
		14	460	6,440	4,600	
		16	460	7,360	4,600	
2	2-1	12	2,056	24,672	20,560	Remove existing MBGR and replace with Concrete Barrier
		14	2,056	28,784	20,560	Remove existing wall to be replaced with new wall
		16	2,056	32,896	20,560	
4	4-1	10	1,412	14,120	14,120	Landscape and Irrigation to be replaced on embankment (10' Swath)
		12	1,412	16,944	14,120	
		14	1,412	19,768	14,120	
		16	1,412	22,592	14,120	
5	5-1	10	686	6,860	6,860	Landscape and Irrigation to be replaced in-kind on embankment (Assumed 10' Swath)
		12	686	8,232	6,860	
		14	686	9,604	6,860	
		16	686	10,976	6,860	
	5-2	8	726	5,808	7,260	Landscape and Irrigation to be replaced in-kind on embankment (Assumed 10' Swath)
		10	726	7,260	7,260	
		12	726	8,712	7,260	
		14	726	10,164	7,260	
		16	726	11,616	7,260	

Site	NB No.	Height (Feet)	Landscape/Irrigation Swath (ft ²)	Unit	Unit Price	Landscape Cost	Rounded for Lump Sum
1	1-1	12	8,170	SF	\$2	\$16,340	\$16,400
		14	8,170	SF	\$2	\$16,340	\$16,400
		16	8,170	SF	\$2	\$16,340	\$16,400
	1-2	8	4,600	SF	\$2	\$9,200	\$9,200
		10	4,600	SF	\$2	\$9,200	\$9,200
		12	4,600	SF	\$2	\$9,200	\$9,200
		14	4,600	SF	\$2	\$9,200	\$9,200
		16	4,600	SF	\$2	\$9,200	\$9,200
2	2-1	12	20,560	SF	\$2	\$41,120	None
		14	20,560	SF	\$2	\$41,120	None
		16	20,560	SF	\$2	\$41,120	None
4	4-1	10	14,120	SF	\$2	\$28,240	\$28,300
		12	14,120	SF	\$2	\$28,240	\$28,300
		14	14,120	SF	\$2	\$28,240	\$28,300
		16	14,120	SF	\$2	\$28,240	\$28,300
5	5-1	10	6,860	SF	\$2	\$13,720	\$13,800
		12	6,860	SF	\$2	\$13,720	\$13,800
		14	6,860	SF	\$2	\$13,720	\$13,800
		16	6,860	SF	\$2	\$13,720	\$13,800
	5-2	8	7,260	SF	\$2	\$14,520	\$14,600
		10	7,260	SF	\$2	\$14,520	\$14,600
		12	7,260	SF	\$2	\$14,520	\$14,600
		14	7,260	SF	\$2	\$14,520	\$14,600
		16	7,260	SF	\$2	\$14,520	\$14,600