Harney Street Viaduct
ENVIRONMENTAL ASSESSMENT

Appendix B - Noise Data and TNM Input/Output Tables

Table B1: Existing and Future Noise Levels

Receptor No.	# of Receptors by activity*	NAC (dBA)	Existing 2009 (dBA)	No Build Alternative 2032)	Build Alternative A (2032)	Difference between Build and Existing	Build Alternative C (2032)	Difference between Build and Existing	Build Alternative D (2032)	Difference between Build and Existing
Receptor1	4	66.0	45.9	46.1	57.6	11.7	54.4	8.5	59.3	13.4
Receptor5"	1	66.0	48.2	48.3	61.3	13.1	52.1	3.9	62.7	**14.5**
Receptor6"	1	66.0	49.9	49.9	61.9	12.0	52.6	2.7	61.5	11.6
Receptor7"	1	66.0	52.4	52.4	**66.0**	13.6	57.9	5.5	**65.5**	13.1
Receptor8"	1	66.0	51.7	51.8	64.9	13.2	57.1	5.4	**65.6**	13.9
Receptor9"	1	66.0	43.2	43.5	n/a	n/a	56.9	13.7	57.0	13.8
Receptor10"	4	66.0	50.7	50.7	60.1	9.4	55.1	4.4	57.3	6.6
Receptor14 - historic"	2	66.0	52.9	53.0	**68.4**	**15.5**	58.0	5.1	63.7	10.8
Receptor16"	3	66.0	46.9	47.0	60.5	13.6	56.5	9.6	56.1	9.2
Receptor19"	2	66.0	53.4	53.4	**65.7**	12.3	54.2	0.8	58.1	4.7
Receptor21"	1	66.0	53.3	53.3	**69.8**	**16.5**	58.1	4.8	63.1	9.8
Receptor22 "	4	66.0	50.5	50.5	n/a	n/a	57.2	6.7	55.2	4.7
Receptor26 "	4	66.0	52.6	52.6	**70.7**	**18.1**	54.4	1.8	58.4	5.8
Receptor30"	1	66.0	51.3	51.4	n/a	n/a	n/a	n/a	53.7	2.4
Receptor31"	2	66.0	56.3	56.3	n/a	n/a	58.1	1.8	55.6	-0.7
Receptor33"	3	66.0	56.2	56.2	**73.2**	**17.0**	56.8	0.6	57.8	1.6
Receptor36 "	1	66.0	52.4	52.5	n/a	n/a	n/a	n/a	54.4	2.0
Receptor37"	2	66.0	52.1	52.1	64.3	12.2	56.9	4.8	54.6	2.5
Receptor39"	1	66.0	54.6	54.6	**68.7**	14.1	56.1	1.5	56.3	1.7
Receptor40"	2	66.0	50.1	50.2	**66.4**	**16.3**	55.8	5.7	56.0	5.9
Receptor42 "	1	66.0	46.4	46.6	60.6	14.2	n/a	n/a	52.7	6.3
Receptor43"	3	66.0	52.4	52.5	63.1	10.7	57.1	4.7	54.9	2.5
Receptor46"	1	66.0	53.8	53.9	**67.0**	13.2	60.8	7.0	62.4	8.6
Receptor47 "	1	66.0	49.9	50.0	**70.4**	**20.5**	56.9	7.0	60.9	11.0

Receptor48 "	1	66.0	51.3	51.4	60.0	8.7	n/a	n/a	53.7	2.4
Receptor49"	2	66.0	51.6	51.7	61.5	9.9	57.6	6.0	54.5	2.9
Receptor51"	2	66.0	53.7	53.8	**65.5**	11.8	60.9	7.2	61.9	8.2
Receptor53 "	2	66.0	44.9	45.3	57.6	12.7	n/a	n/a	51.8	6.9
Receptor55"	8	66.0	52.0	52.1	60.4	8.4	58.0	6.0	54.4	2.4
Receptor63 - historic"	1	66.0	49.8	50.0	57.1	7.3	61.1	11.3	53.6	3.8
Receptor64"	3	66.0	50.4	50.5	57.5	7.1	60.5	10.1	54.3	3.9
Receptor67 - historic"	2	66.0	49.7	49.9	56.9	7.2	60.9	11.2	54.0	4.3
Receptor69"	1	66.0	49.4	49.6	55.8	6.4	63.4	14.0	53.3	3.9
Receptor70 - historic"	2	66.0	49.5	49.7	56.1	6.6	63.1	13.6	54.0	4.5
Receptor72"	2	66.0	52.1	52.2	60.4	8.3	63.3	11.2	59.0	6.9
Receptor74"	1	66.0	48.8	49.1	55.2	6.4	**66.1**	**17.3**	53.0	4.2
Receptor75"	1	66.0	51.7	51.9	55.3	3.6	n/a	n/a	54.0	2.3
Receptor76"	1	66.0	52.7	52.9	56.3	3.6	**69.8**	**17.1**	55.0	2.3
Receptor77 - historic"	2	66.0	52.2	52.4	56.5	4.3	**66.6**	14.4	55.2	3.0
Receptor79 - historic"	1	66.0	52.3	52.4	57.7	5.4	64.7	12.4	56.5	4.2
Receptor80"	1	66.0	50.7	50.9	62.0	11.3	62.6	11.9	62.2	11.5
Receptor81 - historic"	1	66.0	44.5	45.5	50.2	5.7	56.7	12.2	48.6	4.1
Receptor82"	2	66.0	49.7	50.1	54.0	4.3	**67.9**	**18.2**	53.1	3.4
Receptor84"	1	66.0	49.7	50.1	56.9	7.2	n/a	n/a	56.5	6.8
Receptor85 - historic"	2	66.0	54.9	55.0	61.4	6.5	n/a	n/a	61.3	6.4
Receptor87"	1	66.0	50.7	51.2	54.0	3.3	62.4	11.7	53.3	2.6
Receptor88"	2	66.0	50.4	50.8	54.7	4.3	**68.2**	**17.8**	54.3	3.9
Receptor90"	1	66.0	53.6	53.9	56.1	2.5	64.4	10.8	55.9	2.3
Receptor91"	1	66.0	57.5	57.6	62.1	4.6	**71.9**	14.4	62.1	4.6
Receptor92 - historic"	2	66.0	48.7	49.5	50.1	1.4	56.1	7.4	49.5	0.8
Receptor94 "	3	66.0	52.2	52.6	54.4	2.2	60.0	7.8	54.2	2.0
Receptor97 - historic"	1	66.0	56.6	56.8	61.3	4.7	**65.6**	9.0	61.5	4.9
Receptor98"	1	66.0	53.3	53.8	61.6	8.3	**68.6**	**15.3**	63.2	9.9

Receptor99 - historic"	1	66.0	51.4	52.0	53.7	2.3	58.6	7.2	53.7	2.3
Receptor100"	1	66.0	51.8	52.4	53.9	2.1	57.9	6.1	53.7	1.9
Receptor101 - historic"	1	66.0	51.9	52.6	53.8	1.9	57.4	5.5	53.6	1.7
Receptor102"	3	66.0	51.4	52.1	54.4	3.0	58.7	7.3	54.5	3.1
Receptor105 - historic"	1	66.0	54.5	54.9	61.8	7.3	**66.2**	11.7	63.8	9.3
Receptor106 - historic"	5	66.0	52.7	53.4	53.5	0.8	56.5	3.8	53.7	1.0
Receptor111"	1	66.0	55.7	56.3	56.6	0.9	58.4	2.7	56.9	1.2
Receptor112 - historic"	1	66.0	56.7	57.1	61.6	4.9	63.9	7.2	62.4	5.7
Receptor113"	1	66.0	57.9	58.3	61.9	4.0	64.3	6.4	63.2	5.3
Receptor114 - historic"	1	66.0	55.2	55.8	62.1	6.9	63.7	8.5	64.4	9.2
Receptor115"	1	66.0	55.4	56.1	62.2	6.8	63.4	8.0	64.7	9.3
Receptor116 - historic"	2	66.0	56.7	57.3	55.6	-1.1	56.8	0.1	55.6	-1.1
Receptor118"	1	66.0	56.2	57.0	55.3	-0.9	56.8	0.6	55.5	-0.7
Receptor119 - historic"	1	66.0	60.4	60.8	64.5	4.1	65.1	4.7	64.8	4.4
Receptor120"	1	66.0	57.4	58.1	61.0	3.6	61.6	4.2	62.7	5.3
Receptor121"	1	66.0	55.5	56.6	63.5	8.0	63.6	8.1	**66.5**	11.0
Receptor122 - historic"	1	66.0	56.8	57.9	54.0	-2.8	55.2	-1.6	54.1	-2.7
Receptor123"	3	66.0	56.5	57.6	54.9	-1.6	56.2	-0.3	55.0	-1.5
Receptor126 - historic"	1	66.0	60.0	61.2	54.6	-5.4	55.5	-4.5	54.5	-5.5
Receptor127"	1	66.0	58.8	60.0	55.0	-3.8	55.9	-2.9	55.1	-3.7
Receptor128 - historic"	1	66.0	61.6	62.5	63.9	2.3	64.5	2.9	64.4	2.8
Receptor129"	1	66.0	62.8	63.8	63.5	0.7	64.1	1.3	64.0	1.2
Receptor130 - historic"	1	66.0	59.6	60.6	60.7	1.1	60.8	1.2	61.4	1.8
Receptor131"	14	66.0	61.5	62.7	60.8	-0.7	60.7	-0.8	61.2	-0.3

Existing TNM Inputs/Outputs

Roadway Name	Width	X coordinate	Y coordinate	Z coordinate	Control device	Pavement	On Structure?
Clark WB	12	538540.9	297314.7	35		Average	Y
		538157.8	297347	30		Average	Y
		537966.2	297363.2	25		Average	Y
		537841.3	297374.5	20		Average	Y
		537742.3	297382.5	15		Average	Y
		537634	297391.6	10		Average	Y
		537528.5	297400.9	5		Average	Y
		537423.1	297410.1	0		Average	
		537212.1	297428.6	0			
Clark EB-2"	12	537215.6	297411.9	0	Signal	Average	
		537424.2	297391.2	0		Average	
		537532.8	297385	5		Average	Y
		537632.7	297376.7	10		Average	Y
		537749.9	297366.6	15		Average	Y
		537846.4	297358.1	20		Average	Y
		537970.5	297348.3	25		Average	Y
		538161	297330.4	30		Average	Y
		538544.4	297298.7	35			
Roadway54"	12	537068.4	297776.8	0		Average	
		537224.1	297760.2	0			
Lewis WB"	12	538129.8	297696.2	0		Average	
		537244.5	297774	0			
Roadway56"	12	537086.8	298115.3	0		Average	
		537251	298100.9	0			
Bradley WB"	12	538120.6	298041.6	0		Average	
		537601.4	298086.5	0		Average	
		537278.5	298114.5	0			
Roadway58"	12	537007.5	298463.6	0	Stop	Average	
		537280.6	298438.8	0			
Flint WB"	12	537864.7	298407.4	0		Average	
		537309.7	298458.6	0			
Roadway60"	12	537144.9	298800.4	0		Average	
		537307.3	298784.9	0			

Gibbon WB"	12	538045.3	298739.5	0		Average
		537598.6	298782.2	0		Average
		537338.1	298806	0		
Bradley EB"	12	537276.4	298099.1	0	Stop	Average
		537606	298069.2	0		Average
		538125.2	298023.2	0		
Roadway57-2"	12	537252.4	298117	0	Stop	Average
		537082.2	298131.4	0		
Roadway59-2"	12	537278.1	298462.8	0	Stop	Average
		537007.5	298488	0		
Flint EB"	12	537308.5	298437	0	Stop	Average
		537864.7	298388.1	0		
Gibbon EB"	12	537337.7	298781.8	0	Stop	Average
		537603.6	298757.6	0		Average
		538048.6	298716.5	0		
Roadway61-2"	12	537307.2	298809.7	0	Stop	Average
		537152	298824.9	0		
Roadway55-2"	12	537222.8	297776.3	0	Stop	Average
		537059.2	297792.9	0		
Lewis EB "	12	537248.1	297757.9	0	Stop	Average
		538132.1	297677.8	0		
Cedar SB 1"	12	537196.1	297406.1	0	Signal	Average
		537105.6	296376.6	0		
Cedar NB 1"	12	537119.4	296367.9	0		Average
		537209.9	297406.1	0		
Pine NB 1"	12	537574.6	297406.1	0	Stop	Average
		537600.6	297717.2	0		
Pine SB 1"	12	537581.6	297718.9	0		Average
		537559.1	297414.7	0		
Pine NB 2"	12	537602.3	297750.7	0		Average
		537626.5	298060	0		
Pine SB 2"	12	537614.4	298063.5	0		Average
		537590.2	297754.1	0		
Pine NB 3"	12	537631.7	298091.9	0		Average

		537657.6	298399.6	0		
Pine SB 3"	12	537638.6	298397.9	0		Average
		537614.4	298095.4	0		
Pine NB 4"	12	537662.8	298442.6	0		Average
		537685.2	298743.4	0		
Pine SB 4"	12	537671.4	298746.8	0		Average
		537643.8	298444.3	0		
Pine NB 5"	12	537690.4	298783	0		Average
		537714.6	299087.4	0		
Pine SB 5"	12	537700.6	299092.3	0 Stop		Average
		537674.9	298786.4	0		
Pine NB 6"	12	537718.1	299120.1	0 Stop		Average
		537735.4	299358.3	0		
Pine SB 6"	12	537723.2	299358.3	0		Average
		537701	299116.4	0		
Hodgeman NB 5"	12	537932.4	299097.4	0 Stop		Average
		537953.1	299363.5	0		
Hodgeman SB 5"	12	537939.3	299361.8	0		Average
		537917.1	299098.1	0		
Hodgeman NB 4"	12	537903	298763.8	0		Average
		537928.9	299068.5	0		
Hodgeman SB 4"	12	537913.2	299069.9	0 Stop		Average
		537885.8	298765.5	0		
Hodgeman NB 3"	12	537875.4	298420	0		Average
		537901.3	298724.2	0		
Hodgeman SB 3"	12	537882.2	298724.2	0		Average
		537859.8	298423.5	0		
Hodgeman NB 2"	12	537811.4	297732.6	0		Average
		537844.2	298038.5	0		
Hodgeman SB 2"	12	537827	298043.7	0		Average
		537795.9	297737.8	0		
Hodgeman NB 1"	12	537783.8	297386.9	0 Stop		Average
		537809.7	297699.8	0		
Hodgeman SB 1"	12	537794.1	297704.9	0		Average

		537769.9	297390.4	0	
Cedar SB"	12	537219.3	300339.8	0	Average
		537294.3	299875.1	0	Average
		537315.5	299616.6	0	Average
		537355.4	299377.2	0	Average
		537339.6	299132.5	0	Average
		537336.4	299093.4	0	Average
		537285.1	298461.5	0	Average
		537251.1	298068.5	0	Average
		537197.8	297437.2	0	
Cedar NB"	12	537211.1	297435.4	0 Signal	Average
		537238.4	297724.8	0	Average
		537281.5	298204.7	0	Average
		537321.4	298654	0	Average
		537359.5	299096.8	0	Average
		537360.8	299136.5	0	Average
		537374.2	299381.5	0	Average
		537334.4	299629.3	0	Average
		537316.8	299845.9	0	Average
		537249.9	300272.9	0	Average
		537240.4	300340.4	0	
Harney EB"	12	537365.9	299130.4	0 Stop	Average
		538244.3	299046	0	
Harney WB"	12	538245.8	299060.8	0	Average
		537367.4	299143.8	0	
Clark WB-2"	12	537196.6	297429	0 Signal	Average
		536655	297477.4	0	Average
		536481.7	297476.7	0	Average
		536281.5	297476.4	0	Average
		536140.6	297459.4	0	Average
		536006.3	297432.7	0	Average
		535920.2	297394.5	0	
Clark EB"	12	535935.1	297382.7	0	Average
		536015.7	297417.6	0	Average

536145.7	297443.4	0	Average
536290.4	297460.4	0	Average
536479.1	297460.2	0	Average
536649.2	297458.8	0	Average
537197.6	297411.3	0	

Roadway Name	Autos veh/hr	mph	Medium Trucks veh/hr	mph	Heavy Trucks veh/hr	mph	Buses veh/hr	mph	Motorcycles veh/hr	mph
Clark WB	882	30	9	30	9	30	0	0	0	0
	882	30	9	30	9	30	0	0	0	0
	882	30	9	30	9	30	0	0	0	0
	882	30	9	30	9	30	0	0	0	0
	882	30	9	30	9	30	0	0	0	0
	882	30	9	30	9	30	0	0	0	0
	882	30	9	30	9	30	0	0	0	0
	882	30	9	30	9	30	0	0	0	0
Clark EB-2"	588	30	6	30	6	30	0	0	0	0
	588	30	6	30	6	30	0	0	0	0
	588	30	6	30	6	30	0	0	0	0
	588	30	6	30	6	30	0	0	0	0
	588	30	6	30	6	30	0	0	0	0
	588	30	6	30	6	30	0	0	0	0
	588	30	6	30	6	30	0	0	0	0
	588	30	6	30	6	30	0	0	0	0
Roadway54"	0	0	0	0	0	0	0	0	0	0
Lewis WB"	25	25	0	0	0	0	0	0	0	0
Roadway56"	0	0	0	0	0	0	0	0	0	0
Bradley WB"	25	25	0	0	0	0	0	0	0	0
	25	25	0	0	0	0	0	0	0	0
Roadway58"	0	0	0	0	0	0	0	0	0	0
Flint WB"	25	25	0	0	0	0	0	0	0	0
Roadway60"	0	0	0	0	0	0	0	0	0	0

Gibbon WB"	25	25	0	0	0	0	0	0	0	0
	25	25	0	0	0	0	0	0	0	0
Bradley EB"	25	25	0	0	0	0	0	0	0	0
	25	25	0	0	0	0	0	0	0	0
Roadway57-2"	0	0	0	0	0	0	0	0	0	0
Roadway59-2"	0	0	0	0	0	0	0	0	0	0
Flint EB"	25	25	0	0	0	0	0	0	0	0
Gibbon EB"	25	25	0	0	0	0	0	0	0	0
	25	25	0	0	0	0	0	0	0	0
Roadway61-2"	0	0	0	0	0	0	0	0	0	0
Roadway55-2"	0	0	0	0	0	0	0	0	0	0
Lewis EB "	25	25	0	0	0	0	0	0	0	0
Cedar SB 1"	38	25	1	25	1	25	0	0	0	0
Cedar NB 1"	58	25	1	25	1	25	0	0	0	0
Pine NB 1"	25	25	0	0	0	0	0	0	0	0
Pine SB 1"	25	25	0	0	0	0	0	0	0	0
Pine NB 2"	25	25	0	0	0	0	0	0	0	0
Pine SB 2"	25	25	0	0	0	0	0	0	0	0

Pine NB 3"	25	25	0	0	0	0	0	0	0	0
Pine SB 3"	25	25	0	0	0	0	0	0	0	0
Pine NB 4"	25	25	0	0	0	0	0	0	0	0
Pine SB 4"	25	25	0	0	0	0	0	0	0	0
Pine NB 5"	25	25	0	0	0	0	0	0	0	0
Pine SB 5"	25	25	0	0	0	0	0	0	0	0
Pine NB 6"	25	25	0	0	0	0	0	0	0	0
Pine SB 6"	25	25	0	0	0	0	0	0	0	0
Hodgeman NB 5"	25	25	0	0	0	0	0	0	0	0
Hodgeman SB 5"	25	25	0	0	0	0	0	0	0	0
Hodgeman NB 4"	25	25	0	0	0	0	0	0	0	0
Hodgeman SB 4"	25	25	0	0	0	0	0	0	0	0
Hodgeman NB 3"	25	25	0	0	0	0	0	0	0	0
Hodgeman SB 3"	25	25	0	0	0	0	0	0	0	0
Hodgeman NB 2"	25	25	0	0	0	0	0	0	0	0
Hodgeman SB 2"	25	25	0	0	0	0	0	0	0	0
Hodgeman NB 1"	25	25	0	0	0	0	0	0	0	0

Hodgeman SB 1"	25	25	0	0	0	0	0	0	0	0
Cedar SB"	38	25	1	25	1	25	0	0	0	0
	38	25	1	25	1	25	0	0	0	0
	38	25	1	25	1	25	0	0	0	0
	38	25	1	25	1	25	0	0	0	0
	38	25	1	25	1	25	0	0	0	0
	38	25	1	25	1	25	0	0	0	0
	38	25	1	25	1	25	0	0	0	0
	38	25	1	25	1	25	0	0	0	0
Cedar NB"	58	25	1	25	1	25	0	0	0	0
	58	25	1	25	1	25	0	0	0	0
	58	25	1	25	1	25	0	0	0	0
	58	25	1	25	1	25	0	0	0	0
	58	25	1	25	1	25	0	0	0	0
	58	25	1	25	1	25	0	0	0	0
	58	25	1	25	1	25	0	0	0	0
	58	25	1	25	1	25	0	0	0	0
	58	25	1	25	1	25	0	0	0	0
	58	25	1	25	1	25	0	0	0	0
Harney EB"	25	25	0	0	0	0	0	0	0	0
Harney WB"	25	25	0	0	0	0	0	0	0	0
Clark WB-2"	882	30	9	30	9	30	0	0	0	0
	882	30	9	30	9	30	0	0	0	0
	882	30	9	30	9	30	0	0	0	0
	882	30	9	30	9	30	0	0	0	0
	882	30	9	30	9	30	0	0	0	0
	882	30	9	30	9	30	0	0	0	0
Clark EB"	588	30	6	30	6	30	0	0	0	0

588	30	6	30	6	30	0	0	0	0
588	30	6	30	6	30	0	0	0	0
588	30	6	30	6	30	0	0	0	0
588	30	6	30	6	30	0	0	0	0
588	30	6	30	6	30	0	0	0	0

Receiver Name	X coordinate	Y coordinate	Z coordinate	Height above ground	Impact Criteria
Receiver1	538036.6	299349.8	0	4.92	66
Receiver2"	538004	299310.5	0	4.92	66
Receiver3"	537897.8	299368.4	0	4.92	66
Receiver4"	537791.6	299368.4	0	4.92	66
Receiver5"	537669.1	299368.4	0	4.92	66
Receiver6"	537672.4	299335.8	0	4.92	66
Receiver7"	537412.8	299339	0	4.92	66
Receiver8"	537308.2	299317.8	0	4.92	66
Receiver9"	538190.1	299257.8	0	4.92	66
Receiver10"	538002.2	299265.4	0	4.92	66
Receiver11"	537881.4	299268.8	0	4.92	66
Receiver12"	537775.2	299275.4	0	4.92	66
Receiver13"	537672.4	299308	0	4.92	66
Receiver14 - historic"	537408.8	299247.8	0	4.92	66
Receiver15"	537295.2	299268.8	0	4.92	66
Receiver16"	538074.1	299232.9	0	4.92	66
Receiver17"	537982.7	299210.4	0	4.92	66
Receiver18"	537871.6	299216.6	0	4.92	66
Receiver19"	537773.6	299224.8	0	4.92	66
Receiver20"	537670.8	299226.4	0	4.92	66
Receiver21"	537407.9	299222.2	0	4.92	66
Receiver22 "	538092.1	299123.5	0	4.92	66
Receiver23 "	537977.8	299125.1	0	4.92	66
Receiver24"	537863.4	299138.2	0	4.92	66
Receiver25"	537770.4	299151.2	0	4.92	66
Receiver26 "	537643	299174.1	0	4.92	66
Receiver27 "	537492.8	299169.2	0	4.92	66
Receiver28"	537399.7	299182.3	0	4.92	66
Receiver29"	537298.4	299179	0	4.92	66
Receiver30"	538123.1	299007.6	0	4.92	66
Receiver31"	537967.9	299041.8	0	4.92	66
Receiver32"	537750.8	299056.5	0	4.92	66
Receiver33"	537651.2	299064.7	0	4.92	66

Receiver34"	537541.8	299074.5	0	4.92	66
Receiver35 "	537391.5	299092.5	0	4.92	66
Receiver36 "	537963.1	298970	0	4.92	66
Receiver37"	537842.2	298973.2	0	4.92	66
Receiver38"	537737.7	298963.5	0	4.92	66
Receiver39"	537654.4	299015.7	0	4.92	66
Receiver40"	537610.3	298988	0	4.92	66
Receiver41"	537388.2	299036.9	0	4.92	66
Receiver42 "	538046.4	298867.1	0	4.92	66
Receiver43"	537741	298934.1	0	4.92	66
Receiver44"	537639.8	298945.5	0	4.92	66
Receiver46"	537378.4	298963.5	0	4.92	66
Receiver47 "	537262.5	298932.4	0	4.92	66
Receiver48 "	537950	298852.4	0	4.92	66
Receiver49"	537742.6	298894.9	0	4.92	66
Receiver50"	537646.2	298893.2	0	4.92	66
Receiver51"	537375.2	298916.1	0	4.92	66
Receiver52"	537272.3	298878.6	0	4.92	66
Receiver53 "	538098.6	298785.5	0	4.92	66
Receiver54 "	537958.2	298793.6	0	4.92	66
Receiver55"	537732.8	298847.5	0	4.92	66
Receiver56"	537727.9	298800.2	0	4.92	66
Receiver57"	537638.1	298808.3	0	4.92	66
Receiver58"	537451.9	298832.8	0	4.92	66
Receiver59"	537620.1	298715.2	0	4.92	66
Receiver60"	537437.2	298736.4	0	4.92	66
Receiver61"	537373.6	298736.4	0	4.92	66
Receiver62"	537251.1	298752.8	0	4.92	66
Receiver63 - historic"	537719.8	298669.5	0	4.92	66
Receiver64"	537628.3	298672.8	0	4.92	66
Receiver65"	537375.2	298672.8	0	4.92	66
Receiver66"	537257.6	298702.1	0	4.92	66
Receiver67 - historic"	537621.8	298627	0	4.92	66
Receiver68 - historic"	537244.6	298615.6	0	4.92	66

Receiver69"	537709.9	298551.9	0	4.92	66
Receiver70 - historic"	537610.3	298542.1	0	4.92	66
Receiver71 - historic"	537484.6	298524.2	0	4.92	66
Receiver72"	537367	298520.9	0	4.92	66
Receiver73"	537247.8	298563.3	0	4.92	66
Receiver74"	537723	298507.8	0	4.92	66
Receiver75"	537816.1	298447.4	0	4.92	66
Receiver76"	537701.8	298455.6	0	4.92	66
Receiver77 - historic"	537605.4	298470.2	0	4.92	66
Receiver78 - historic"	537541.8	298470.2	0	4.92	66
Receiver79 - historic"	537484.6	298476.8	0	4.92	66
Receiver80"	537221.7	298499.7	0	4.92	66
Receiver81 - historic"	538114.9	298228.5	0	4.92	66
Receiver82"	537685.4	298253	0	4.92	66
Receiver83"	537574.4	298240	0	4.92	66
Receiver84"	537414.4	298275.9	0	4.92	66
Receiver85 - historic"	537314.8	298235.1	0	4.92	66
Receiver86 - historic"	537211.9	298169.8	0	4.92	66
Receiver87"	537688.8	298122.4	0	4.92	66
Receiver88"	537571.1	298171.4	0	4.92	66
Receiver89"	537326.2	298176.3	0	4.92	66
Receiver90"	537563	298117.5	0	4.92	66
Receiver91"	537311.5	298137.1	0	4.92	66
Receiver92 - historic"	538100.2	297986.8	0	4.92	66
Receiver93 - historic"	537891.2	298004.8	0	4.92	66
Receiver94 "	537662.6	298021.1	0	4.92	66
Receiver95"	537554.8	298021.1	0	4.92	66
Receiver96"	537461.8	298027.7	0	4.92	66
Receiver97 - historic"	537313.1	298048.9	0	4.92	66
Receiver98"	537193.9	298030.9	0	4.92	66
Receiver101 - historic"	537656.1	297905.2	0	4.92	66
Receiver102"	537551.6	297941.1	0	4.92	66
Receiver104"	537285.4	297937.8	0	4.92	66
Receiver105 - historic"	537197.2	297950.9	0	4.92	66

Receiver106 - historic"	537659.3	297826.8	0	4.92	66
Receiver107 - historic"	537541.8	297823.5	0	4.92	66
Receiver108 - historic"	537283.8	297877.4	0	4.92	66
Receiver109 - historic"	537176	297903.5	0	4.92	66
Receiver110 - historic"	537643	297768	0	4.92	66
Receiver111"	537484.6	297777.8	0	4.92	66
Receiver112 - historic"	537288.6	297846.4	0	4.92	66
Receiver113"	537288.6	297803.9	0	4.92	66
Receiver114 - historic"	537184.1	297848	0	4.92	66
Receiver115"	537169.4	297807.2	0	4.92	66
Receiver116 - historic"	537757.3	297666.7	0	4.92	66
Receiver117 - historic"	537633.2	297676.5	0	4.92	66
Receiver118"	537535.2	297670	0	4.92	66
Receiver119 - historic"	537267.4	297705.9	0	4.92	66
Receiver120"	537172.7	297723.9	0	4.92	66
Receiver121"	537105.8	297730.4	0	4.92	66
Receiver122 - historic"	537647.9	297588.3	0	4.92	66
Receiver123"	537533.6	297627.5	0	4.92	66
Receiver124"	537265.8	297670	0	4.92	66
Receiver125"	537164.6	297674.9	0	4.92	66
Receiver126 - historic"	537736.1	297472.4	0	4.92	66
Receiver127"	537525.4	297547.5	0	4.92	66
Receiver128 - historic"	537267.4	297593.2	0	4.92	66
Receiver129"	537270.7	297549.2	0	4.92	66
Receiver130 - historic"	537159.6	297627.5	0	4.92	66
Receiver131"	537156.4	297576.9	0	4.92	66
Receiver132"	537520.5	297474	0	4.92	66
Receiver133 "	537510.8	297438.1	0	4.92	66
Receiver134"	537406.2	297433.2	0	4.92	66
Receiver135"	537285.4	297483.8	0	4.92	66
Receiver136"	537092.7	297524.7	0	4.92	66
Receiver137"	537094.3	297464.2	0	4.92	66
Receiver138"	537460.1	297338.5	0	4.92	66
Receiver139"	537391.5	297343.4	0	4.92	66

Receiver140"	537327.8	297346.7	0	4.92	66
Receiver141"	537246.2	297366.2	0	4.92	66
Receiver142"	537144.9	297376	0	4.92	66
Receiver143"	537282.1	297289.5	0	4.92	66
Receiver144"	537138.4	297327.1	0	4.92	66
Receiver99 - historic"	537660.2	297976.3	0	4.92	66
Receiver103"	537384.3	297984.5	0	4.92	66
Receiver45"	537650.6	298921.4	0	4.92	66
Receiver100"	537653.1	297934.2	0	4.92	66

Receiver Name	Calculated Leq w/o barrier	Impact Criteria
Receiver1	45.9	66
Receiver2"	50.1	66
Receiver3"	49.1	66
Receiver4"	48.8	66
Receiver5"	48.2	66
Receiver6"	49.9	66
Receiver7"	52.4	66
Receiver8"	51.7	66
Receiver9"	43.2	66
Receiver10"	50.7	66
Receiver11"	50.9	66
Receiver12"	52.7	66
Receiver13"	50.8	66
Receiver14 - historic"	52.9	66
Receiver15"	50.7	66
Receiver16"	46.9	66
Receiver17"	53.5	66
Receiver18"	51.5	66
Receiver19"	53.4	66
Receiver20"	52.8	66
Receiver21"	53.3	66
Receiver22 "	50.5	66
Receiver23 "	55.8	66
Receiver24"	54.1	66
Receiver25"	55.1	66
Receiver26 "	52.6	66
Receiver27 "	52.8	66
Receiver28"	55.1	66
Receiver29"	52.6	66
Receiver30"	51.3	66
Receiver31"	56.3	66
Receiver32"	56.3	66
Receiver33"	56.2	66

Receiver34"	53.6	66
Receiver35 "	56.9	66
Receiver36 "	52.4	66
Receiver37"	52.1	66
Receiver38"	53.5	66
Receiver39"	54.6	66
Receiver40"	50.1	66
Receiver41"	53.8	66
Receiver42 "	46.4	66
Receiver43"	52.4	66
Receiver44"	52.6	66
Receiver46"	53.8	66
Receiver47 "	49.9	66
Receiver48 "	51.3	66
Receiver49"	51.6	66
Receiver50"	53.3	66
Receiver51"	53.7	66
Receiver52"	51.7	66
Receiver53 "	44.9	66
Receiver54 "	50.2	66
Receiver55"	52	66
Receiver56"	52.6	66
Receiver57"	53.6	66
Receiver58"	51.8	66
Receiver59"	51.9	66
Receiver60"	54.1	66
Receiver61"	55.5	66
Receiver62"	51.3	66
Receiver63 - historic"	49.8	66
Receiver64"	50.4	66
Receiver65"	51.9	66
Receiver66"	51.8	66
Receiver67 - historic"	49.7	66
Receiver68 - historic"	51	66

Receiver69"	49.4	66
Receiver70 - historic"	49.5	66
Receiver71 - historic"	48.8	66
Receiver72"	52.1	66
Receiver73"	52	66
Receiver74"	48.8	66
Receiver75"	51.7	66
Receiver76"	52.7	66
Receiver77 - historic"	52.2	66
Receiver78 - historic"	52.3	66
Receiver79 - historic"	52.3	66
Receiver80"	50.7	66
Receiver81 - historic"	44.5	66
Receiver82"	49.7	66
Receiver83"	49.5	66
Receiver84"	49.7	66
Receiver85 - historic"	54.9	66
Receiver86 - historic"	53.4	66
Receiver87"	50.7	66
Receiver88"	50.4	66
Receiver89"	54.5	66
Receiver90"	53.6	66
Receiver91"	57.5	66
Receiver92 - historic"	48.7	66
Receiver93 - historic"	50.6	66
Receiver94 "	52.2	66
Receiver95"	52.7	66
Receiver96"	52.8	66
Receiver97 - historic"	56.6	66
Receiver98"	53.3	66
Receiver101 - historic"	51.9	66
Receiver102"	51.4	66
Receiver104"	57	66
Receiver105 - historic"	54.5	66

Receiver106 - historic"	52.7	66
Receiver107 - historic"	53	66
Receiver108 - historic"	57	66
Receiver109 - historic"	53.7	66
Receiver110 - historic"	55.7	66
Receiver111"	55.7	66
Receiver112 - historic"	56.7	66
Receiver113"	57.9	66
Receiver114 - historic"	55.2	66
Receiver115"	55.4	66
Receiver116 - historic"	56.7	66
Receiver117 - historic"	57.2	66
Receiver118"	56.2	66
Receiver119 - historic"	60.4	66
Receiver120"	57.4	66
Receiver121"	55.5	66
Receiver122 - historic"	56.8	66
Receiver123"	56.5	66
Receiver124"	60.5	66
Receiver125"	58.2	66
Receiver126 - historic"	60	66
Receiver127"	58.8	66
Receiver128 - historic"	61.6	66
Receiver129"	62.8	66
Receiver130 - historic"	59.6	66
Receiver131"	61.5	66
Receiver132"	62.9	66
Receiver133 "	66.3	66
Receiver134"	69.2	66
Receiver135"	65.9	66
Receiver136"	64.1	66
Receiver137"	71.8	66
Receiver138"	66.1	66
Receiver139"	66.5	66

Receiver140"	66.6	66
Receiver141"	69.8	66
Receiver142"	69.2	66
Receiver143"	62.1	66
Receiver144"	64.3	66
Receiver99 - historic"	51.4	66
Receiver103"	52	66
Receiver45"	53.7	66
Receiver100"	51.8	66

No Build TNM Inputs/Outputs

Roadway Name	Autos veh/hr	mph	Medium Trucks veh/hr	mph	Heavy Trucks veh/hr	mph	Buses veh/hr	mph	Motorcycles veh/hr	mph
Clark WB	1234	30	12	30	13	30	0	0	0	0
	1234	30	12	30	13	30	0	0	0	0
	1234	30	12	30	13	30	0	0	0	0
	1234	30	12	30	13	30	0	0	0	0
	1234	30	12	30	13	30	0	0	0	0
	1234	30	12	30	13	30	0	0	0	0
	1234	30	12	30	13	30	0	0	0	0
	1234	30	12	30	13	30	0	0	0	0
Clark EB-2"	824	30	8	30	8	30	0	0	0	0
	824	30	8	30	8	30	0	0	0	0
	824	30	8	30	8	30	0	0	0	0
	824	30	8	30	8	30	0	0	0	0
	824	30	8	30	8	30	0	0	0	0
	824	30	8	30	8	30	0	0	0	0
	824	30	8	30	8	30	0	0	0	0
	824	30	8	30	8	30	0	0	0	0
Roadway54"	0	0	0	0	0	0	0	0	0	0
Lewis WB"	25	25	0	0	0	0	0	0	0	0
Roadway56"	0	0	0	0	0	0	0	0	0	0
Bradley WB"	25	25	0	0	0	0	0	0	0	0
	25	25	0	0	0	0	0	0	0	0
Roadway58"	0	0	0	0	0	0	0	0	0	0
Flint WB"	25	25	0	0	0	0	0	0	0	0
Roadway60"	0	0	0	0	0	0	0	0	0	0

Gibbon WB"	25	25	0	0	0	0	0	0	0	0
	25	25	0	0	0	0	0	0	0	0
Bradley EB"	25	25	0	0	0	0	0	0	0	0
	25	25	0	0	0	0	0	0	0	0
Roadway57-2"	0	0	0	0	0	0	0	0	0	0
Roadway59-2"	0	0	0	0	0	0	0	0	0	0
Flint EB"	25	25	0	0	0	0	0	0	0	0
Gibbon EB"	25	25	0	0	0	0	0	0	0	0
	25	25	0	0	0	0	0	0	0	0
Roadway61-2"	0	0	0	0	0	0	0	0	0	0
Roadway55-2"	0	0	0	0	0	0	0	0	0	0
Lewis EB "	25	25	0	0	0	0	0	0	0	0
Cedar SB 1"	38	25	1	25	1	25	0	0	0	0
Cedar NB 1"	58	25	1	25	1	25	0	0	0	0
Pine NB 1"	25	25	0	0	0	0	0	0	0	0
Pine SB 1"	25	25	0	0	0	0	0	0	0	0
Pine NB 2"	25	25	0	0	0	0	0	0	0	0
Pine SB 2"	25	25	0	0	0	0	0	0	0	0

Pine NB 3"	25	25	0	0	0	0	0	0	0	0
Pine SB 3"	25	25	0	0	0	0	0	0	0	0
Pine NB 4"	25	25	0	0	0	0	0	0	0	0
Pine SB 4"	25	25	0	0	0	0	0	0	0	0
Pine NB 5"	25	25	0	0	0	0	0	0	0	0
Pine SB 5"	25	25	0	0	0	0	0	0	0	0
Pine NB 6"	25	25	0	0	0	0	0	0	0	0
Pine SB 6"	25	25	0	0	0	0	0	0	0	0
Hodgeman NB 5"	25	25	0	0	0	0	0	0	0	0
Hodgeman SB 5"	25	25	0	0	0	0	0	0	0	0
Hodgeman NB 4"	25	25	0	0	0	0	0	0	0	0
Hodgeman SB 4"	25	25	0	0	0	0	0	0	0	0
Hodgeman NB 3"	25	25	0	0	0	0	0	0	0	0
Hodgeman SB 3"	25	25	0	0	0	0	0	0	0	0
Hodgeman NB 2"	25	25	0	0	0	0	0	0	0	0
Hodgeman SB 2"	25	25	0	0	0	0	0	0	0	0
Hodgeman NB 1"	25	25	0	0	0	0	0	0	0	0

Hodgeman SB 1"	25	25	0	0	0	0	0	0	0	0
Cedar SB"	38	25	1	25	1	25	0	0	0	0
	38	25	1	25	1	25	0	0	0	0
	38	25	1	25	1	25	0	0	0	0
	38	25	1	25	1	25	0	0	0	0
	38	25	1	25	1	25	0	0	0	0
	38	25	1	25	1	25	0	0	0	0
	38	25	1	25	1	25	0	0	0	0
	38	25	1	25	1	25	0	0	0	0
Cedar NB"	58	25	1	25	1	25	0	0	0	0
	58	25	1	25	1	25	0	0	0	0
	58	25	1	25	1	25	0	0	0	0
	58	25	1	25	1	25	0	0	0	0
	58	25	1	25	1	25	0	0	0	0
	58	25	1	25	1	25	0	0	0	0
	58	25	1	25	1	25	0	0	0	0
	58	25	1	25	1	25	0	0	0	0
	58	25	1	25	1	25	0	0	0	0
	58	25	1	25	1	25	0	0	0	0
Harney EB"	25	25	0	0	0	0	0	0	0	0
Harney WB"	25	25	0	0	0	0	0	0	0	0
Clark WB-2"	1234	30	12	30	13	30	0	0	0	0
	1234	30	12	30	13	30	0	0	0	0
	1234	30	12	30	13	30	0	0	0	0
	1234	30	12	30	13	30	0	0	0	0
	1234	30	12	30	13	30	0	0	0	0
	1234	30	12	30	13	30	0	0	0	0
Clark EB"	824	30	8	30	8	30	0	0	0	0

824	30	8	30	8	30	0	0	0	0
824	30	8	30	8	30	0	0	0	0
824	30	8	30	8	30	0	0	0	0
824	30	8	30	8	30	0	0	0	0
824	30	8	30	8	30	0	0	0	0

Receiver Name	Calculated Leq w/o barrier	Impact Criteria
Receiver1	46.1	66
Receiver2"	50.1	66
Receiver3"	49.1	66
Receiver4"	48.8	66
Receiver5"	48.3	66
Receiver6"	49.9	66
Receiver7"	52.4	66
Receiver8"	51.8	66
Receiver9"	43.5	66
Receiver10"	50.7	66
Receiver11"	51	66
Receiver12"	52.7	66
Receiver13"	50.8	66
Receiver14 - historic"	53	66
Receiver15"	50.8	66
Receiver16"	47	66
Receiver17"	53.6	66
Receiver18"	51.6	66
Receiver19"	53.4	66
Receiver20"	52.8	66
Receiver21"	53.3	66
Receiver22 "	50.5	66
Receiver23 "	55.8	66
Receiver24"	54.1	66
Receiver25"	55.1	66
Receiver26 "	52.6	66
Receiver27 "	52.9	66
Receiver28"	55.1	66
Receiver29"	52.7	66
Receiver30"	51.4	66
Receiver31"	56.3	66
Receiver32"	56.3	66
Receiver33"	56.2	66

Receiver34"	53.6	66
Receiver35 "	56.9	66
Receiver36 "	52.5	66
Receiver37"	52.1	66
Receiver38"	53.5	66
Receiver39"	54.6	66
Receiver40"	50.2	66
Receiver41"	53.9	66
Receiver42 "	46.6	66
Receiver43"	52.5	66
Receiver44"	52.6	66
Receiver46"	53.9	66
Receiver47 "	50	66
Receiver48 "	51.4	66
Receiver49"	51.7	66
Receiver50"	53.4	66
Receiver51"	53.8	66
Receiver52"	51.8	66
Receiver53 "	45.3	66
Receiver54 "	50.3	66
Receiver55"	52.1	66
Receiver56"	52.7	66
Receiver57"	53.7	66
Receiver58"	51.9	66
Receiver59"	51.9	66
Receiver60"	54.2	66
Receiver61"	55.6	66
Receiver62"	51.4	66
Receiver63 - historic"	50	66
Receiver64"	50.5	66
Receiver65"	52	66
Receiver66"	52	66
Receiver67 - historic"	49.9	66
Receiver68 - historic"	51.1	66

Receiver69"	49.6	66
Receiver70 - historic"	49.7	66
Receiver71 - historic"	49.1	66
Receiver72"	52.2	66
Receiver73"	52.1	66
Receiver74"	49.1	66
Receiver75"	51.9	66
Receiver76"	52.9	66
Receiver77 - historic"	52.4	66
Receiver78 - historic"	52.4	66
Receiver79 - historic"	52.4	66
Receiver80"	50.9	66
Receiver81 - historic"	45.5	66
Receiver82"	50.1	66
Receiver83"	50	66
Receiver84"	50.1	66
Receiver85 - historic"	55	66
Receiver86 - historic"	53.6	66
Receiver87"	51.2	66
Receiver88"	50.8	66
Receiver89"	54.7	66
Receiver90"	53.9	66
Receiver91"	57.6	66
Receiver92 - historic"	49.5	66
Receiver93 - historic"	51.2	66
Receiver94 "	52.6	66
Receiver95"	53.1	66
Receiver96"	53.3	66
Receiver97 - historic"	56.8	66
Receiver98"	53.8	66
Receiver101 - historic"	52.6	66
Receiver102"	52.1	66
Receiver104"	57.3	66
Receiver105 - historic"	54.9	66

Receiver106 - historic"	53.4	66
Receiver107 - historic"	53.8	66
Receiver108 - historic"	57.3	66
Receiver109 - historic"	54.3	66
Receiver110 - historic"	56.2	66
Receiver111"	56.3	66
Receiver112 - historic"	57.1	66
Receiver113"	58.3	66
Receiver114 - historic"	55.8	66
Receiver115"	56.1	66
Receiver116 - historic"	57.3	66
Receiver117 - historic"	57.9	66
Receiver118"	57	66
Receiver119 - historic"	60.8	66
Receiver120"	58.1	66
Receiver121"	56.6	66
Receiver122 - historic"	57.9	66
Receiver123"	57.6	66
Receiver124"	61	66
Receiver125"	59.1	66
Receiver126 - historic"	61.2	66
Receiver127"	60	66
Receiver128 - historic"	62.5	66
Receiver129"	63.8	66
Receiver130 - historic"	60.6	66
Receiver131"	62.7	66
Receiver132"	64.3	66
Receiver133 "	67.7	66
Receiver134"	70.7	66
Receiver135"	67.2	66
Receiver136"	65.4	66
Receiver137"	73.1	66
Receiver138"	67.5	66
Receiver139"	67.8	66

Receiver140"	68	66
Receiver141"	71.1	66
Receiver142"	70.5	66
Receiver143"	63.4	66
Receiver144"	65.6	66
Receiver99 - historic"	52	66
Receiver103"	52.6	66
Receiver45"	53.7	66
Receiver100"	52.4	66

Alternative A TNM Inputs/Outputs

Roadway Name	Width	Stationing	X coordinate	Y coordinate	Z coordinate	Control device	Pavement	On Structure?
harney E of RR WB	24	Sta=0.00	539354.8	298980.8	0	Stop	Average	
		Sta=1+00.0(	539256.6	298988.8	0.7		Average	
		Sta=2+00.0(	539158.3	298996.8	4.2		Average	
		Sta=3+00.0(	539053.4	299005.6	8.7		Average	
		Sta=4+00.0(	538954.9	299014	14.8		Average	
		Sta=5+00.0(	538856.3	299022.3	20.6		Average	
		Sta=6+00.0(	538752.1	299030.3	26.1		Average	Y
		Sta=7+00.0(	538650.8	299038.3	30.7		Average	Y
		Sta=8+00.0(	538552.1	299048.2	35.6		Average	Y
		Sta=9+00.0(	538451.8	299057.4	34.2		Average	Y
		Sta=10+00.(	538353.4	299065.8	34		Average	Y
		Sta=11+00.(	538256.5	299074.8	32.3			
harney E of RR EB"	24	station 11+0	538262	299040.3	32.3		Average	Y
		station 10+0	538360.1	299031.9	34		Average	Y
		station 9+00	538458.2	299023.4	34.2		Average	Y
		station 8+00	538556.3	299015	35.6		Average	Y
		station 7+00	538654.4	299006.6	30.7		Average	Y
		station 6+00	538757.9	298996.7	26.1		Average	
		station 5+00	538860.2	298988.8	20.6		Average	
		station 4+00	538958.7	298979.5	14.8		Average	
		station 3+00	539056.4	298971	8.7		Average	
		station 2+00	539159.9	298962.5	4.2		Average	
		station 1+00	539257.4	298953.9	0.7		Average	
		station 0+00	539354.9	298945.3	0			
Clark EB"	12	point134	536479.1	297460.2	0	Stop	Average	
		point135	536649.2	297458.8	0		Average	
		point136	537197.6	297411.3	0			
Clark WB"	12	point221	538755.6	297298.7	0		Average	
		point218	537966.2	297363.2	0		Average	
		point222	537841.3	297374.5	0		Average	
		point141	537742.3	297382.5	0		Average	
		point219	537634	297391.6	0		Average	
		point217	537528.5	297400.9	0		Average	

		point220	537423.1	297410.1	0		Average
		point142	537212.1	297428.6	0		
Clark WB-2"	12	point146	537196.6	297429	0	Signal	Average
		point143	536655	297477.4	0		Average
		point144	536483.6	297476.5	0		Average
		point145	536483.6	297476.5	0		
Clark EB-2"	12	point147	537215.6	297411.9	0	Signal	Average
		point224	537424.2	297391.2	0		Average
		point228	537532.8	297385	0		Average
		point223	537632.7	297376.7	0		Average
		point225	537749.9	297366.6	0		Average
		point137	537846.4	297358.1	0		Average
		point227	537970.5	297348.3	0		Average
		point226	538753.3	297282.1	0		
Cedar NB"	12	point198	537211.1	297435.4	0	Signal	Average
		point116	537238.4	297724.8	0		Average
		point117	537281.5	298204.7	0		Average
		point118	537321.4	298654	0		Average
		point166	537359.5	299086	0		
harney W of RR WB"	24	Sta=11+00.(	538256.5	299074.8	32.3		Average
		Sta=12+00.(	538156.6	299083.8	27.5		Average
		Sta=13+00.(	538056.6	299092.7	23		Average
		Sta=14+00.(	537956.6	299101.7	17.6		Average
		Sta=15+00.(	537856.6	299110.7	12.2		Average
		Sta=16+00.(	537761.5	299117.8	6.1		Average
		Sta=17+00.(	537664.8	299126.5	2.7		Average
		Sta=18+00.(	537567.1	299136.1	0		Average
		Sta=19+00.(	537461.6	299142.7	0		Average
		point159	537361.8	299139.2	0		
harney W of RR EB-2-2"	24	point171	537365.6	299103.1	0	Signal	Average
		station 19+0	537462.8	299107.9	0		Average
		station 18+0	537573.4	299099.8	0		Average
		station 17+0	537664.5	299091.8	2.7		Average
		station 16+0	537758.9	299082.7	6.1		Average

		station 15+0	537853.3	299073.7	12.2		Average
		station 14+0	537961.6	299064.5	17.6		Average
		station 13+0	538057.4	299056.1	23		Average
		station 12+0	538157	299047.7	27.5		Average
		station 11+0	538262	299040.3	32.3		
Cedar NB-2-2-2"	12	point173	537362	299147.2	0	Signal	Average
		point120	537374.2	299381.5	0		Average
		point121	537334.4	299629.3	0		Average
		point122	537316.8	299845.9	0		Average
		point123	537249.9	300272.9	0		Average
		point124	537240.4	300340.4	0		
Cedar SB"	12	point125	537219.3	300339.8	0		Average
		point126	537294.3	299875.1	0		Average
		point127	537315.5	299616.6	0		Average
		point128	537355.4	299377.2	0		Average
		point153	537342.1	299145.7	0		
Cedar SB-2"	12	point175	537339.6	299086.2	0	Signal	Average
		point130	537285.1	298461.5	0		Average
		point131	537251.1	298068.5	0		Average
		point133	537197.8	297437.2	0		
harney SB"	24	point172	537337.1	299136.4	0	Signal	Average
		Sta=21+00.(	537272.4	299116.3	0		Average
		Sta=22+00.(	537166.1	299062.8	0		Average
		Sta=23+00.(	537084.9	298990.3	0		Average
		station 24+0	537029.6	298918.7	0		Average
		station 25+0	536993.7	298843.5	0		Average
		station 26+0	536966.1	298720.9	0		Average
		station 29+0	536956.4	298416.3	0		Average
		station 30+0	536952.8	298302.6	0		Average
		station 32+0	536947	298117.3	0		Average
		station 33+0	536941.4	298010.4	0		Average
		station 34+0	536927.4	297935.2	0		Average
		station 35+0	536900.9	297844.9	0		Average
		station 36+0	536826.4	297736	0		Average

		station 37+0	536778.6	297693.9	0	Average
		station 38+0	536721.1	297647.6	0	Average
		station 40+0	536504.6	297559.4	0	Average
		station 44+0	536141.5	297420.6	0	Average
		point100	536045.9	297383.3	0	Average
		point101	535848.2	297269.8	0	Average
		point102	535687.7	297112.6	0	Average
		point103	535584	296926.6	0	Average
		point104	535476.4	296657.5	0	Average
		point105	535235.7	296041.6	0	
Roadway54"	12	point177	537068.4	297776.8	0	Average
		point196	537224.1	297760.2	0	
Lewis WB"	12	point179	538129.8	297696.2	0	Average
		point195	537244.5	297774	0	
Roadway56"	12	point181	537086.8	298115.3	0	Average
		point202	537251	298100.9	0	
Bradley WB"	12	point183	538120.6	298041.6	0	Average
		point200	537601.4	298086.5	0	Average
		point201	537278.5	298114.5	0	
Roadway58"	12	point185	537007.5	298463.6	0 Stop	Average
		point206	537280.6	298438.8	0	
Flint WB"	12	point187	537864.7	298407.4	0	Average
		point205	537309.7	298458.6	0	
Roadway60"	12	point189	537144.9	298800.4	0	Average
		point211	537307.3	298784.9	0	
Gibbon WB"	12	point191	538045.3	298739.5	0	Average
		point210	537598.6	298782.2	0	Average
		point212	537338.1	298806	0	
Bradley EB"	12	point203	537276.4	298099.1	0 Stop	Average
		point199	537606	298069.2	0	Average
		point182	538125.2	298023.2	0	
Roadway57-2"	12	point204	537252.4	298117	0 Stop	Average
		point184	537082.2	298131.4	0	
Roadway59-2"	12	point207	537278.1	298462.8	0 Stop	Average

		point188	537007.5	298488	0	
Flint EB"	12	point208	537308.5	298437	0 Stop	Average
		point186	537864.7	298388.1	0	
Gibbon EB"	12	point213	537337.7	298781.8	0 Stop	Average
		point209	537603.6	298757.6	0	Average
		point190	538048.6	298716.5	0	
Roadway61-2"	12	point214	537307.2	298809.7	0 Stop	Average
		point192	537152	298824.9	0	
Roadway55-2"	12	point215	537222.8	297776.3	0 Stop	Average
		point180	537059.2	297792.9	0	
Lewis EB "	12	point216	537248.1	297757.9	0 Stop	Average
		point178	538132.1	297677.8	0	
harney NB"	24	point106	535271.2	296031.1	0	Average
		point107	535512.1	296646.4	0	Average
		point108	535619.2	296915.7	0	Average
		point109	535717.6	297087	0	Average
		point110	535868.1	297244.3	0	Average
		point111	536058.3	297348.9	0	Average
		station 44+0	536155.6	297391.3	0	Average
		station 40+0	536523.6	297531.9	0	Average
		station 38+0	536734.2	297612	0	Average
		station 37+0	536809.1	297669.3	0	Average
		station 36+0	536845.2	297704.7	0	Average
		station 35+0	536932.5	297826.2	0	Average
		station 34+0	536962.8	297928.3	0	Average
		point98	536978.1	298014.7	0	Average
		station 32+0	536982	298123.8	0	Average
		station 30+0	536987.4	298311.6	0	Average
		station 29+0	536987.5	298423.4	0	Average
		station 26+0	536997.8	298719.7	0	Average
		station 25+0	537025.8	298833.3	0	Average
		point157	537065	298903.4	0	Average
		station 23+0	537109.9	298968.8	0	Average
		station 22+0	537191.2	299042.4	0	Average

		station 21+0	537282.6	299086.2	0	Average
		point152	537333.6	299097.2	0	
Cedar SB 1"	12	point229	537196.1	297406.1	0 Signal	Average
		point230	537103.6	296304.4	0	
Cedar NB 1"	12	point231	537120.2	296303.5	0	Average
		point232	537209.9	297406.1	0	
Pine NB 1"	12	point233	537574.6	297406.1	0 Stop	Average
		point234	537600.6	297717.2	0	
Pine SB 1"	12	point235	537581.6	297718.9	0	Average
		point236	537559.1	297414.7	0	
Pine NB 2"	12	point237	537602.3	297750.7	0	Average
		point238	537626.5	298060	0	
Pine SB 2"	12	point239	537614.4	298063.5	0	Average
		point240	537590.2	297754.1	0	
Pine NB 3"	12	point241	537631.7	298091.9	0	Average
		point242	537657.6	298399.6	0	
Pine SB 3"	12	point243	537638.6	298397.9	0	Average
		point244	537614.4	298095.4	0	
Pine NB 4"	12	point245	537662.8	298442.6	0	Average
		point246	537685.2	298743.4	0	
Pine SB 4"	12	point247	537671.4	298746.8	0	Average
		point248	537643.8	298444.3	0	
Pine NB 5"	12	point249	537689.7	298786.9	0	Average
		point250	537714.6	299079	0	
Pine SB 5"	12	point251	537699.8	299081.6	0 Stop	Average
		point252	537674.9	298786.4	0	
Pine NB 6"	12	point253	537722.2	299135.5	0 Stop	Average
		point254	537740.6	299360.1	0	
Pine SB 6"	12	point255	537729.9	299372.9	0	Average
		point256	537708.4	299137.6	0	
Hodgeman NB 5"	12	point257	537930.9	299114.3	0 Stop	Average
		point258	537953.1	299363.5	0	
Hodgeman SB 5"	12	point259	537939.3	299361.8	0	Average
		point260	537919.3	299117.3	0	

Hodgeman NB 4"	12	point261	537903	298763.8	0	Average
		point262	537928.9	299058	0	
Hodgeman SB 4"	12	point263	537912.4	299061.5	0 Stop	Average
		point264	537885.8	298765.5	0	
Hodgeman NB 3"	12	point265	537875.4	298420	0	Average
		point266	537901.3	298724.2	0	
Hodgeman SB 3"	12	point267	537882.2	298724.2	0	Average
		point268	537859.8	298423.5	0	
Hodgeman NB 2"	12	point269	537811.4	297732.6	0	Average
		point270	537844.2	298038.5	0	
Hodgeman SB 2"	12	point271	537827	298043.7	0	Average
		point272	537795.9	297737.8	0	
Hodgeman NB 1"	12	point273	537783.8	297386.9	0 Stop	Average
		point274	537809.7	297699.8	0	
Hodgeman SB 1"	12	point275	537794.1	297704.9	0	Average
		point276	537769.9	297390.4	0	

Roadway Name	Stationing	Autos veh/hr	mph	Medium Trucks veh/hr	mph	Heavy Trucks veh/hr	mph	Buses veh/hr	mph	Motorcycles veh/hr	mph
harney E of RR WB	Sta=0.00	431	30	4	30	5	30	0	0	0	0
	Sta=1+00.00	431	30	4	30	5	30	0	0	0	0
	Sta=2+00.00	431	30	4	30	5	30	0	0	0	0
	Sta=3+00.00	431	30	4	30	5	30	0	0	0	0
	Sta=4+00.00	431	30	4	30	5	30	0	0	0	0
	Sta=5+00.00	431	30	4	30	5	30	0	0	0	0
	Sta=6+00.00	431	30	4	30	5	30	0	0	0	0
	Sta=7+00.00	431	30	4	30	5	30	0	0	0	0
	Sta=8+00.00	431	30	4	30	5	30	0	0	0	0
	Sta=9+00.00	431	30	4	30	5	30	0	0	0	0
	Sta=10+00.00	431	30	4	30	5	30	0	0	0	0
	Sta=11+00.00										
harney E of RR EB"	station 11+00	647	30	6	30	7	30	0	0	0	0
	station 10+00	647	30	6	30	7	30	0	0	0	0
	station 9+00	647	30	6	30	7	30	0	0	0	0
	station 8+00	647	30	6	30	7	30	0	0	0	0
	station 7+00	647	30	6	30	7	30	0	0	0	0
	station 6+00	647	30	6	30	7	30	0	0	0	0
	station 5+00	647	30	6	30	7	30	0	0	0	0
	station 4+00	647	30	6	30	7	30	0	0	0	0
	station 3+00	647	30	6	30	7	30	0	0	0	0
	station 2+00	647	30	6	30	7	30	0	0	0	0
	station 1+00	647	30	6	30	7	30	0	0	0	0
	station 0+00										
Clark EB"	point134	51	30	0	0	0	0	0	0	0	0
	point135	51	30	0	0	0	0	0	0	0	0
	point136										
Clark WB"	point221	75	30	1	30	1	30	0	0	0	0
	point218	75	30	1	30	1	30	0	0	0	0
	point222	75	30	1	30	1	30	0	0	0	0
	point141	75	30	1	30	1	30	0	0	0	0
	point219	75	30	1	30	1	30	0	0	0	0

	point217	75	30	1	30	1	30	0	0	0	0
	point220	75	30	1	30	1	30	0	0	0	0
	point142										
Clark WB-2"	point146	75	30	1	30	1	30	0	0	0	0
	point143	75	30	1	30	1	30	0	0	0	0
	point144	75	30	1	30	1	30	0	0	0	0
	point145										
Clark EB-2"	point147	51	30	0	0	0	0	0	0	0	0
	point224	51	30	0	0	0	0	0	0	0	0
	point228	51	30	0	0	0	0	0	0	0	0
	point223	51	30	0	0	0	0	0	0	0	0
	point225	51	30	0	0	0	0	0	0	0	0
	point137	51	30	0	0	0	0	0	0	0	0
	point227	51	30	0	0	0	0	0	0	0	0
	point226										
Cedar NB"	point198	235	25	2	25	3	25	0	0	0	0
	point116	235	25	2	25	3	25	0	0	0	0
	point117	235	25	2	25	3	25	0	0	0	0
	point118	235	25	2	25	3	25	0	0	0	0
	point166										
harney W of RR WB"	Sta=11+00.00	1059	45	10	45	11	45	0	0	0	0
	Sta=12+00.00	1059	45	10	45	11	45	0	0	0	0
	Sta=13+00.00	1059	45	10	45	11	45	0	0	0	0
	Sta=14+00.00	1059	45	10	45	11	45	0	0	0	0
	Sta=15+00.00	1059	45	10	45	11	45	0	0	0	0
	Sta=16+00.00	1059	45	10	45	11	45	0	0	0	0
	Sta=17+00.00	1059	45	10	45	11	45	0	0	0	0
	Sta=18+00.00	1059	45	10	45	11	45	0	0	0	0
	Sta=19+00.00	1059	45	10	45	11	45	0	0	0	0
	point159										
harney W of RR EB-2-:	point171	1588	45	16	45	16	45	0	0	0	0
	station 19+00	1588	45	16	45	16	45	0	0	0	0
	station 18+00	1588	45	16	45	16	45	0	0	0	0
	station 17+00	1588	45	16	45	16	45	0	0	0	0

	station 16+00	1588	45	16	45	16	45	0	0	0	0
	station 15+00	1588	45	16	45	16	45	0	0	0	0
	station 14+00	1588	45	16	45	16	45	0	0	0	0
	station 13+00	1588	45	16	45	16	45	0	0	0	0
	station 12+00	1588	45	16	45	16	45	0	0	0	0
	station 11+00										
Cedar NB-2-2-2"	point173	235	25	2	25	3	25	0	0	0	0
	point120	235	25	2	25	3	25	0	0	0	0
	point121	235	25	2	25	3	25	0	0	0	0
	point122	235	25	2	25	3	25	0	0	0	0
	point123	235	25	2	25	3	25	0	0	0	0
	point124										
Cedar SB"	point125	157	25	1	25	2	25	0	0	0	0
	point126	157	25	1	25	2	25	0	0	0	0
	point127	157	25	1	25	2	25	0	0	0	0
	point128	157	25	1	25	2	25	0	0	0	0
	point153										
Cedar SB-2"	point175	157	25	1	25	2	25	0	0	0	0
	point130	157	25	1	25	2	25	0	0	0	0
	point131	157	25	1	25	2	25	0	0	0	0
	point133										
harney SB"	point172	902	45	9	45	9	45	0	0	0	0
	Sta=21+00.00	902	45	9	45	9	45	0	0	0	0
	Sta=22+00.00	902	45	9	45	9	45	0	0	0	0
	Sta=23+00.00	902	45	9	45	9	45	0	0	0	0
	station 24+00	902	45	9	45	9	45	0	0	0	0
	station 25+00	902	45	9	45	9	45	0	0	0	0
	station 26+00	902	45	9	45	9	45	0	0	0	0
	station 29+00	902	45	9	45	9	45	0	0	0	0
	station 30+00	902	45	9	45	9	45	0	0	0	0
	station 32+00	902	45	9	45	9	45	0	0	0	0
	station 33+00	902	45	9	45	9	45	0	0	0	0
	station 34+00	902	45	9	45	9	45	0	0	0	0
	station 35+00	902	45	9	45	9	45	0	0	0	0

	station 36+00	902	45	9	45	9	45	0	0	0	0
	station 37+00	902	45	9	45	9	45	0	0	0	0
	station 38+00	902	45	9	45	9	45	0	0	0	0
	station 40+00	902	45	9	45	9	45	0	0	0	0
	station 44+00	902	45	9	45	9	45	0	0	0	0
	point100	902	45	9	45	9	45	0	0	0	0
	point101	902	45	9	45	9	45	0	0	0	0
	point102	902	45	9	45	9	45	0	0	0	0
	point103	902	45	9	45	9	45	0	0	0	0
	point104	902	45	9	45	9	45	0	0	0	0
	point105										
Roadway54"	point177	0	0	0	0	0	0	0	0	0	0
	point196										
Lewis WB"	point179	25	25	0	0	0	0	0	0	0	0
	point195										
Roadway56"	point181	0	0	0	0	0	0	0	0	0	0
	point202										
Bradley WB"	point183	25	25	0	0	0	0	0	0	0	0
	point200	25	25	0	0	0	0	0	0	0	0
	point201										
Roadway58"	point185	25	25	0	0	0	0	0	0	0	0
	point206										
Flint WB"	point187	25	25	0	0	0	0	0	0	0	0
	point205										
Roadway60"	point189	0	0	0	0	0	0	0	0	0	0
	point211										
Gibbon WB"	point191	25	25	0	0	0	0	0	0	0	0
	point210	25	25	0	0	0	0	0	0	0	0
	point212										
Bradley EB"	point203	25	25	0	0	0	0	0	0	0	0
	point199	25	25	0	0	0	0	0	0	0	0
	point182										
Roadway57-2"	point204	0	0	0	0	0	0	0	0	0	0
	point184										

Roadway59-2"	point207	25	25	0	0	0	0	0	0	0	0
	point188										
Flint EB"	point208	25	25	0	0	0	0	0	0	0	0
	point186										
Gibbon EB"	point213	25	25	0	0	0	0	0	0	0	0
	point209	25	25	0	0	0	0	0	0	0	0
	point190										
Roadway61-2"	point214	0	0	0	0	0	0	0	0	0	0
	point192										
Roadway55-2"	point215	0	0	0	0	0	0	0	0	0	0
	point180										
Lewis EB "	point216	25	25	0	0	0	0	0	0	0	0
	point178										
harney NB"	point106	1353	45	13	45	14	45	0	0	0	0
	point107	1353	45	13	45	14	45	0	0	0	0
	point108	1353	45	13	45	14	45	0	0	0	0
	point109	1353	45	13	45	14	45	0	0	0	0
	point110	1353	45	13	45	14	45	0	0	0	0
	point111	1353	45	13	45	14	45	0	0	0	0
	station 44+00	1353	45	13	45	14	45	0	0	0	0
	station 40+00	1353	45	13	45	14	45	0	0	0	0
	station 38+00	1353	45	13	45	14	45	0	0	0	0
	station 37+00	1353	45	13	45	14	45	0	0	0	0
	station 36+00	1353	45	13	45	14	45	0	0	0	0
	station 35+00	1353	45	13	45	14	45	0	0	0	0
	station 34+00	1353	45	13	45	14	45	0	0	0	0
	point98	1353	45	13	45	14	45	0	0	0	0
	station 32+00	1353	45	13	45	14	45	0	0	0	0
	station 30+00	1353	45	13	45	14	45	0	0	0	0
	station 29+00	1353	45	13	45	14	45	0	0	0	0
	station 26+00	1353	45	13	45	14	45	0	0	0	0
	station 25+00	1353	45	13	45	14	45	0	0	0	0
	point157	1353	45	13	45	14	45	0	0	0	0
	station 23+00	1353	45	13	45	14	45	0	0	0	0

	station 22+00	1353	45	13	45	14	45	0	0	0	0
	station 21+00	1353	45	13	45	14	45	0	0	0	0
	point152										
Cedar SB 1"	point229	157	25	1	25	2	25	0	0	0	0
	point230										
Cedar NB 1"	point231	235	25	2	25	3	25	0	0	0	0
	point232										
Pine NB 1"	point233	25	25	0	0	0	0	0	0	0	0
	point234										
Pine SB 1"	point235	25	25	0	0	0	0	0	0	0	0
	point236										
Pine NB 2"	point237	25	25	0	0	0	0	0	0	0	0
	point238										
Pine SB 2"	point239	25	25	0	0	0	0	0	0	0	0
	point240										
Pine NB 3"	point241	25	25	0	0	0	0	0	0	0	0
	point242										
Pine SB 3"	point243	25	25	0	0	0	0	0	0	0	0
	point244										
Pine NB 4"	point245	25	25	0	0	0	0	0	0	0	0
	point246										
Pine SB 4"	point247	25	25	0	0	0	0	0	0	0	0
	point248										
Pine NB 5"	point249	25	25	0	0	0	0	0	0	0	0
	point250										
Pine SB 5"	point251	25	25	0	0	0	0	0	0	0	0
	point252										
Pine NB 6"	point253	25	25	0	0	0	0	0	0	0	0
	point254										
Pine SB 6"	point255	25	25	0	0	0	0	0	0	0	0
	point256										
Hodgeman NB 5"	point257	25	25	0	0	0	0	0	0	0	0
	point258										
Hodgeman SB 5"	point259	25	25	0	0	0	0	0	0	0	0

	point260									
Hodgeman NB 4"	point261	25	25	0	0	0	0	0	0	0	0
	point262									
Hodgeman SB 4"	point263	25	25	0	0	0	0	0	0	0	0
	point264									
Hodgeman NB 3"	point265	25	25	0	0	0	0	0	0	0	0
	point266									
Hodgeman SB 3"	point267	25	25	0	0	0	0	0	0	0	0
	point268									
Hodgeman NB 2"	point269	25	25	0	0	0	0	0	0	0	0
	point270									
Hodgeman SB 2"	point271	25	25	0	0	0	0	0	0	0	0
	point272									
Hodgeman NB 1"	point273	25	25	0	0	0	0	0	0	0	0
	point274									
Hodgeman SB 1"	point275	25	25	0	0	0	0	0	0	0	0
	point276									

Receiver Name	Calculated Leq w/o barrier	Impact Criteria
Receiver1	57.6	66
Receiver2"	59	66
Receiver3"	59.3	66
Receiver4"	61.4	66
Receiver5"	61.3	66
Receiver6"	61.9	66
Receiver7"	66	66
Receiver8"	64.9	66
Receiver10"	60.1	66
Receiver11"	61.7	66
Receiver12"	63.9	66
Receiver13"	63.3	66
Receiver14 - historic"	68.4	66
Receiver15"	66.5	66
Receiver16"	60.5	66
Receiver17"	62	66
Receiver18"	63.8	66
Receiver19"	65.7	66
Receiver20"	66.6	66
Receiver21"	69.8	66
Receiver26 "	70.7	66
Receiver27 "	72.9	66
Receiver28"	72.7	66
Receiver29"	71.6	66
Receiver33"	73.2	66
Receiver34"	73.7	66
Receiver35 "	77.8	66
Receiver37"	64.3	66
Receiver38"	64.8	66
Receiver39"	68.7	66
Receiver40"	66.4	66
Receiver41"	71.5	66
Receiver42 "	60.6	66

Receiver43"	63.1	66
Receiver44"	64.1	66
Receiver46"	67	66
Receiver47 "	70.4	66
Receiver48 "	60	66
Receiver49"	61.5	66
Receiver50"	62.2	66
Receiver51"	65.5	66
Receiver52"	65.7	66
Receiver53 "	57.6	66
Receiver54 "	58.3	66
Receiver55"	60.4	66
Receiver56"	59.6	66
Receiver57"	60.3	66
Receiver58"	61.5	66
Receiver59"	58.5	66
Receiver60"	60.5	66
Receiver61"	62.8	66
Receiver62"	62.7	66
Receiver63 - historic"	57.1	66
Receiver64"	57.5	66
Receiver65"	61.4	66
Receiver66"	62.2	66
Receiver67 - historic"	56.9	66
Receiver68 - historic"	61.9	66
Receiver69"	55.8	66
Receiver70 - historic"	56.1	66
Receiver71 - historic"	57.2	66
Receiver72"	60.4	66
Receiver73"	61.8	66
Receiver74"	55.2	66
Receiver75"	55.3	66
Receiver76"	56.3	66
Receiver77 - historic"	56.5	66

Receiver78 - historic"	57	66
Receiver79 - historic"	57.7	66
Receiver80"	62	66
Receiver81 - historic"	50.2	66
Receiver82"	54	66
Receiver83"	54.7	66
Receiver84"	56.9	66
Receiver85 - historic"	61.4	66
Receiver86 - historic"	62.2	66
Receiver87"	54	66
Receiver88"	54.7	66
Receiver89"	60.6	66
Receiver90"	56.1	66
Receiver91"	62.1	66
Receiver92 - historic"	50.1	66
Receiver93 - historic"	52.3	66
Receiver94 "	54.4	66
Receiver95"	55.4	66
Receiver96"	56.4	66
Receiver97 - historic"	61.3	66
Receiver98"	61.6	66
Receiver101 - historic"	53.8	66
Receiver102"	54.4	66
Receiver104"	62.5	66
Receiver105 - historic"	61.8	66
Receiver106 - historic"	53.5	66
Receiver107 - historic"	54.7	66
Receiver108 - historic"	62.2	66
Receiver109 - historic"	61.8	66
Receiver110 - historic"	55.8	66
Receiver111"	56.6	66
Receiver112 - historic"	61.6	66
Receiver113"	61.9	66
Receiver114 - historic"	62.1	66

Receiver115"	62.2	66
Receiver116 - historic"	55.6	66
Receiver117 - historic"	56.5	66
Receiver118"	55.3	66
Receiver119 - historic"	64.5	66
Receiver120"	61	66
Receiver121"	63.5	66
Receiver122 - historic"	54	66
Receiver123"	54.9	66
Receiver124"	64.6	66
Receiver125"	60.8	66
Receiver126 - historic"	54.6	66
Receiver127"	55	66
Receiver128 - historic"	63.9	66
Receiver129"	63.5	66
Receiver130 - historic"	60.7	66
Receiver131"	60.8	66
Receiver132"	55.9	66
Receiver133 "	57.9	66
Receiver134"	60	66
Receiver135"	62.1	66
Receiver136"	60.4	66
Receiver137"	61.6	66
Receiver138"	56.8	66
Receiver139"	57.8	66
Receiver140"	59.4	66
Receiver141"	64.6	66
Receiver142"	62.5	66
Receiver143"	59.3	66
Receiver144"	60.7	66
Receiver99 - historic"	53.7	66
Receiver103"	57.2	66
Receiver45"	63.3	66
Receiver100"	53.9	66

Alternative C TNM Inputs/Outputs

Roadway Name	Width	Stationing	X coordinate	Y coordinate	Z coordinate	Control device	Pavement	On Structure?
harney E of RR WB	24	Sta=0.00	539352.1	298980.9	0	Stop	Average	
		Sta=5+00.00	538866.1	299023.2	18.6		Average	
		Sta=6+00.00	538750.3	299022.3	23.3		Average	Y
		Sta=7+00.00	538642.4	299011.8	28			
harney W of RR WB"	24	Sta=7+00.00	538642.4	299011.8	28		Average	Y
		Sta=8+00.00	538550.8	298993.7	32		Average	Y
		Sta=9+00.00	538442.1	298955	35		Average	Y
		Sta=10+00.00	538346.6	298910.6	37.7		Average	Y
		Sta=11+00.00	538265.9	298861.5	32		Average	
		Sta=12+00.00	538187	298805.2	28		Average	
		Sta=13+00.00	538109.5	298735.7	24		Average	
		Sta=14+00.00	538049.1	298663.1	20.5		Average	
		Sta=15+00.00	537984.4	298587.9	17.4		Average	
		Sta=16+00.00	537918.8	298516.3	12.8		Average	
		Sta=17+00.00	537824.2	298446.3	8.2		Average	
		Sta=18+00.00	537750.5	298409.4	3.6		Average	
		Sta=19+00.00	537657.4	298371.2	0		Average	
		Sta=20+00.00	537563.9	298345	0		Average	
		Sta=21+00.00	537458.7	298323.5	0		Average	
		Sta=22+00.00	537362.8	298296.9	0		Average	
		point163	537289	298266.8	0			
harney E of RR EB"	24	Sta=7+00.00	538659.2	298981.2	28		Average	Y
		Sta=6+00.00	538755.5	298990.9	23.3		Average	
		Sta=5+00.00	538859.2	298986.8	18.6		Average	
		Sta=00.00	539358.8	298945.3	0			
Cedar NB"	12	point109	537215.4	297436.1	0	Signal	Average	
		point110	537247.5	297810.5	0		Average	
		point111	537283.3	298213.2	0			
Cedar SB"	12	point119	537219.3	300339.8	0		Average	
		point120	537294.3	299875.1	0		Average	
		point121	537315.5	299616.6	0		Average	
		point122	537355.4	299377.2	0		Average	
		point123	537324.9	298913.1	0		Average	

		point124	537285.1	298461.5	0	Average
		point166	537266.8	298264.2	0	
Clark WB"	12	point237	538764.8	297300.3	0	Average
		point130	537966.2	297363.2	0	Average
		point238	537841.3	297374.5	0	Average
		point234	537742.3	297382.5	0	Average
		point235	537634	297391.6	0	Average
		point131	537528.5	297400.9	0	Average
		point236	537423.1	297410.1	0	Average
		point132	537212.1	297428.6	0	
Clark EB-2"	12	point136	536496.7	297461.1	0 Stop	Average
		point137	536651.3	297459.4	0	Average
		point138	537198.6	297411	0	
Clark WB-2"	12	point143	537197.2	297429	0 Signal	Average
		point133	536653.6	297476.7	0	Average
		point134	536504.8	297475.6	0	
Clark EB-2-2"	12	point144	537215.6	297411.9	0 Signal	Average
		point243	537424.2	297391.2	0	Average
		point239	537532.8	297385	0	Average
		point139	537632.7	297376.7	0	Average
		point241	537749.9	297366.6	0	Average
		point240	537846.4	297358.1	0	Average
		point242	537970.5	297348.3	0	Average
		point140	538752.3	297286.8	0	
Lewis EB"	12	point145	537254	297753.7	0 Stop	Average
		point146	538160.7	297675	0	
Lewis WB"	12	point147	538154.9	297692.6	0	Average
		point148	537254	297779.8	0	
Bradley EB"	12	point149	537283.1	298090.8	0 Stop	Average
		point150	538132.8	298020.3	0	
Bradley WB"	12	point151	538130.8	298038.5	0	Average
		point152	537288.9	298117.6	0	
Flint EB"	12	point153	537312.1	298439.5	0 Stop	Average
		point154	537603.2	298416.7	0	

Flint WB"	12	point155	537614.7	298431.6	0 Stop	Average
		point156	537315	298459.8	0	
Gibbon EB"	12	point157	537342.9	298781.4	0 Stop	Average
		point161	537697.6	298754.3	0	Average
		point158	538061.3	298723.1	0	
Gibbon WB"	12	point159	538059.9	298736.2	0	Average
		point162	537489.4	298787.4	0	Average
		point160	537342.8	298800.6	0	
Cedar NB-2"	12	point171	537285.6	298273.2	0 Signal	Average
		point165	537302.6	298439.1	0	Average
		point112	537321.4	298654	0	Average
		point113	537354.3	299046.9	0	Average
		point114	537374.2	299381.5	0	Average
		point115	537334.4	299629.3	0	Average
		point116	537316.8	299845.9	0	Average
		point117	537249.9	300272.9	0	Average
		point118	537240.4	300340.4	0	
harney W of RR EB-2"	24	point172	537286.1	298224.8	0 Signal	Average
		Sta=22+00.00	537380.4	298266.3	0	Average
		Sta=21+00.00	537473.9	298293.8	0	Average
		Sta=20+00.00	537590.7	298314.6	0	Average
		Sta=19+00.00	537675.4	298340.7	0	Average
		Sta=18+00.00	537771.9	298382.2	3.6	Average
		Sta=17+00.00	537843	298419.3	8.2	Average
		Sta=16+00.00	537940.6	298493.8	12.8	Average
		Sta=15+00.00	538015.7	298570.2	17.4	Average
		Sta=14+00.00	538077	298640.4	20.5	Average
		Sta=13+00.00	538141	298713.5	24	Average
		Sta=12+00.00	538213.8	298784.4	28	Average
		Sta=11+00.00	538293.8	298841.2	32	Average	Y
		Sta=10+00.00	538376.8	298886.6	37.7	Average	Y
		Sta=9+00.00	538466.5	298925.2	35	Average	Y
		Sta=8+00.00	538562.9	298957.7	32	Average	Y
		Sta=7+00.00	538659.3	298981.2	28	

Cedar SB-2-2"	12	point173	537263.1	298199.2	0	Signal	Average
		point125	537251.1	298068.5	0		Average
		point126	537219.4	297704.7	0		Average
		point127	537197.4	297437.6	0		
Hodgeman NB 2"	12	point174	537887.1	298565.8	0		Average
		point185	537902.2	298732.9	0		
Hodgeman SB 3"	12	point176	537934.1	299364.3	0		Average
		point184	537883.9	298756.8	0		
Pine NB 3"	12	point178	537664.9	298437.6	0	Stop	Average
		point182	537693.4	298749.9	0		
Pine SB 4"	12	point180	537722.1	299361.9	0		Average
		point183	537670.2	298775	0		
Hodgeman NB 3"	12	point186	537904.1	298755.6	0		Average
		point175	537952.8	299353.9	0		
Hodgeman SB 2"	12	point187	537883	298731.3	0		Average
		point177	537870.2	298564.9	0		
Pine SB 3"	12	point188	537668.3	298750.4	0		Average
		point181	537641.3	298437.1	0		
Pine NB 4"	12	point189	537695.9	298776	0		Average
		point179	537745.7	299353.8	0		
harney SB"	24	point170	537265.4	298252.3	0	Signal	Average
		Sta=24+00.00	537192.8	298209.6	0		Average
		Sta=25+00.00	537119.4	298154.1	0		Average
		Sta=26+00.00	537050	298083.9	0		Average
		Sta=27+00.00	536979.4	297992.7	0		Average
		Sta=28+00.00	536929.4	297905.3	0		Average
		Sta=29+00.00	536879.9	297815.3	0		Average
		Sta=30+00.00	536811.1	297723.2	0		Average
		Sta=31+00.00	536746.1	297662.8	0		Average
		Sta=32+00.00	536679.4	297607.7	0		Average
		Sta=33+00.00	536579.9	297550.1	0		Average
		Sta=34+00.00	536508.3	297521.1	0		Average
		Sta=35+00.00	536408.1	297489.4	0		Average
		point95	536305.2	297467.1	0		Average

		point96	536237	297454	0	Average
		point244	536117.1	297425.6	0	Average
		point97	535957.1	297349.5	0	Average
		point246	535802.1	297240.7	0	Average
		point98	535733.9	297159.1	0	Average
		point248	535639.3	297039	0	Average
		point99	535566.8	296896.3	0	Average
		point100	535432.9	296555.8	0	Average
		point101	535231.6	296033.2	0	
harney NB"	24	point102	535274.1	296025.7	0	Average
		point103	535476.7	296549.9	0	Average
		point104	535607.7	296881.8	0	Average
		point249	535681	297022.2	0	Average
		point105	535756.1	297124.1	0	Average
		point247	535825.2	297207.5	0	Average
		point106	535978.1	297316.9	0	Average
		point245	536132.2	297388.2	0	Average
		point107	536253	297416.6	0	Average
		Sta=36+00.00	536322.9	297434.1	0	Average
		Sta=35+00.00	536427.3	297460.1	0	Average
		Sta=34+00.00	536529.2	297494.4	0	Average
		Sta=33+00.00	536590.2	297518.2	0	Average
		Sta=32+00.00	536701.8	297581.9	0	Average
		Sta=31+00.00	536776.8	297641	0	Average
		Sta=30+00.00	536845.1	297703.1	0	Average
		Sta=29+00.00	536914.4	297799.3	0	Average
		Sta=28+00.00	536965.1	297892.2	0	Average
		Sta=27+00.00	537014.5	297978.9	0	Average
		Sta=26+00.00	537080.7	298065.4	0	Average
		Sta=25+00.00	537151.1	298133.3	0	Average
		Sta=24+00.00	537223.6	298185.8	0	Average
		point164	537259.6	298209	0	
Harney EB 1"	12	point190	537364.9	299124.8	0 Stop	Average
		point191	537688.1	299096.2	0	

Harney EB 2"	12	point192	537726.4	299092.3	0	Average
		point193	537900.4	299075.1	0	
Harney EB 3"	12	point194	537932.9	299071.3	0	Average
		point195	538240.9	299044.5	0	
Harney WB 1"	12	point196	538240.9	299061.7	0	Average
		point197	537938.7	299092.3	0	
Harney WB 2"	12	point198	537902.3	299096.2	0	Average
		point199	537726.4	299111.4	0	
Harney WB 3"	12	point200	537691.9	299115.3	0	Average
		point201	537366.8	299144	0	
Flint EB 1"	12	point202	536898.2	298478.8	0	Average
		point203	537276.9	298444.3	0	
Flint WB 1"	12	point204	537273.1	298461.6	0 Stop	Average
		point205	536900.1	298494.1	0	
Roadway49"	12	point206	537052.1	297778.1	0	Average
		point207	537215.7	297762.3	0	
Roadway50"	12	point208	537217.6	297775.7	0 Stop	Average
		point209	537053.4	297793.3	0	
Pine SB 2"	12	point210	537629.4	298273.3	0 Stop	Average
		point211	537617.4	298097	0	
Pine NB 2"	12	point212	537628.8	298095.1	0	Average
		point213	537645.5	298272.2	0	
Pine SB 1"	12	point214	537613.5	298056.8	0	Average
		point215	537586.8	297760.4	0	
Pine NB 1"	12	point216	537603.9	297760.4	0	Average
		point217	537628.8	298051.1	0	
Hodgeman SB 1"	12	point218	537825.8	298037.7	0	Average
		point219	537797.1	297735.5	0	
Hodgeman NB 1"	12	point220	537810.5	297735.5	0	Average
		point221	537841.1	298037.7	0	
Pine SB"	12	point222	537584.8	297719.1	0	Average
		point223	537560	297407.3	0	
Pine NB"	12	point224	537573.4	297405.4	0 Stop	Average
		point225	537600.1	297715.3	0	

Hodgeman SB"	12 point226	537793.3	297700	0		Average
	point227	537766.6	297388.2	0		
Hodgeman NB"	12 point228	537781.8	297390.1	0 Stop		Average
	point229	537806.7	297700	0		
Cedar SB-2-3"	12 point230	537192.8	297404.3	0 Signal		Average
	point231	537118.4	296379.5	0		
Cedar NB 1"	12 point232	537134.6	296375.4	0		Average
	point233	537208.1	297400.5	0		

Roadway Name	Stationing	Autos		Medium Trucks		Heavy Trucks		Buses		Motorcycles	
		veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
harney E of RR WB	Sta=0.00	431	30	4	30	5	30	0	0	0	0
	Sta=1+00.00	431	30	4	30	5	30	0	0	0	0
	Sta=2+00.00	431	30	4	30	5	30	0	0	0	0
	Sta=3+00.00	431	30	4	30	5	30	0	0	0	0
	Sta=4+00.00	431	30	4	30	5	30	0	0	0	0
	Sta=5+00.00	431	30	4	30	5	30	0	0	0	0
	Sta=6+00.00	431	30	4	30	5	30	0	0	0	0
	Sta=7+00.00	431	30	4	30	5	30	0	0	0	0
	Sta=8+00.00	431	30	4	30	5	30	0	0	0	0
	Sta=9+00.00	431	30	4	30	5	30	0	0	0	0
	Sta=10+00.00	431	30	4	30	5	30	0	0	0	0
	Sta=11+00.00										
harney E of RR EB"	station 11+00	647	30	6	30	7	30	0	0	0	0
	station 10+00	647	30	6	30	7	30	0	0	0	0
	station 9+00	647	30	6	30	7	30	0	0	0	0
	station 8+00	647	30	6	30	7	30	0	0	0	0
	station 7+00	647	30	6	30	7	30	0	0	0	0
	station 6+00	647	30	6	30	7	30	0	0	0	0
	station 5+00	647	30	6	30	7	30	0	0	0	0
	station 4+00	647	30	6	30	7	30	0	0	0	0
	station 3+00	647	30	6	30	7	30	0	0	0	0
	station 2+00	647	30	6	30	7	30	0	0	0	0
	station 1+00	647	30	6	30	7	30	0	0	0	0
	station 0+00										
Clark EB"	point134	51	30	0	0	0	0	0	0	0	0
	point135	51	30	0	0	0	0	0	0	0	0
	point136										
Clark WB"	point221	75	30	1	30	1	30	0	0	0	0
	point218	75	30	1	30	1	30	0	0	0	0
	point222	75	30	1	30	1	30	0	0	0	0
	point141	75	30	1	30	1	30	0	0	0	0
	point219	75	30	1	30	1	30	0	0	0	0

	point217	75	30	1	30	1	30	0	0	0	0
	point220	75	30	1	30	1	30	0	0	0	0
	point142										
Clark WB-2"	point146	75	30	1	30	1	30	0	0	0	0
	point143	75	30	1	30	1	30	0	0	0	0
	point144	75	30	1	30	1	30	0	0	0	0
	point145										
Clark EB-2"	point147	51	30	0	0	0	0	0	0	0	0
	point224	51	30	0	0	0	0	0	0	0	0
	point228	51	30	0	0	0	0	0	0	0	0
	point223	51	30	0	0	0	0	0	0	0	0
	point225	51	30	0	0	0	0	0	0	0	0
	point137	51	30	0	0	0	0	0	0	0	0
	point227	51	30	0	0	0	0	0	0	0	0
	point226										
Cedar NB"	point198	235	25	2	25	3	25	0	0	0	0
	point116	235	25	2	25	3	25	0	0	0	0
	point117	235	25	2	25	3	25	0	0	0	0
	point118	235	25	2	25	3	25	0	0	0	0
	point166										
harney W of RR WB"	Sta=11+00.00	1059	45	10	45	11	45	0	0	0	0
	Sta=12+00.00	1059	45	10	45	11	45	0	0	0	0
	Sta=13+00.00	1059	45	10	45	11	45	0	0	0	0
	Sta=14+00.00	1059	45	10	45	11	45	0	0	0	0
	Sta=15+00.00	1059	45	10	45	11	45	0	0	0	0
	Sta=16+00.00	1059	45	10	45	11	45	0	0	0	0
	Sta=17+00.00	1059	45	10	45	11	45	0	0	0	0
	Sta=18+00.00	1059	45	10	45	11	45	0	0	0	0
	Sta=19+00.00	1059	45	10	45	11	45	0	0	0	0
	point159										
harney W of RR EB-2-	point171	1588	45	16	45	16	45	0	0	0	0
	station 19+00	1588	45	16	45	16	45	0	0	0	0
	station 18+00	1588	45	16	45	16	45	0	0	0	0
	station 17+00	1588	45	16	45	16	45	0	0	0	0

	station 16+00	1588	45	16	45	16	45	0	0	0	0
	station 15+00	1588	45	16	45	16	45	0	0	0	0
	station 14+00	1588	45	16	45	16	45	0	0	0	0
	station 13+00	1588	45	16	45	16	45	0	0	0	0
	station 12+00	1588	45	16	45	16	45	0	0	0	0
	station 11+00										
Cedar NB-2-2-2"	point173	235	25	2	25	3	25	0	0	0	0
	point120	235	25	2	25	3	25	0	0	0	0
	point121	235	25	2	25	3	25	0	0	0	0
	point122	235	25	2	25	3	25	0	0	0	0
	point123	235	25	2	25	3	25	0	0	0	0
	point124										
Cedar SB"	point125	157	25	1	25	2	25	0	0	0	0
	point126	157	25	1	25	2	25	0	0	0	0
	point127	157	25	1	25	2	25	0	0	0	0
	point128	157	25	1	25	2	25	0	0	0	0
	point153										
Cedar SB-2"	point175	157	25	1	25	2	25	0	0	0	0
	point130	157	25	1	25	2	25	0	0	0	0
	point131	157	25	1	25	2	25	0	0	0	0
	point133										
harney SB"	point172	902	45	9	45	9	45	0	0	0	0
	Sta=21+00.00	902	45	9	45	9	45	0	0	0	0
	Sta=22+00.00	902	45	9	45	9	45	0	0	0	0
	Sta=23+00.00	902	45	9	45	9	45	0	0	0	0
	station 24+00	902	45	9	45	9	45	0	0	0	0
	station 25+00	902	45	9	45	9	45	0	0	0	0
	station 26+00	902	45	9	45	9	45	0	0	0	0
	station 29+00	902	45	9	45	9	45	0	0	0	0
	station 30+00	902	45	9	45	9	45	0	0	0	0
	station 32+00	902	45	9	45	9	45	0	0	0	0
	station 33+00	902	45	9	45	9	45	0	0	0	0
	station 34+00	902	45	9	45	9	45	0	0	0	0
	station 35+00	902	45	9	45	9	45	0	0	0	0

	station 36+00	902	45	9	45	9	45	0	0	0	0
	station 37+00	902	45	9	45	9	45	0	0	0	0
	station 38+00	902	45	9	45	9	45	0	0	0	0
	station 40+00	902	45	9	45	9	45	0	0	0	0
	station 44+00	902	45	9	45	9	45	0	0	0	0
	point100	902	45	9	45	9	45	0	0	0	0
	point101	902	45	9	45	9	45	0	0	0	0
	point102	902	45	9	45	9	45	0	0	0	0
	point103	902	45	9	45	9	45	0	0	0	0
	point104	902	45	9	45	9	45	0	0	0	0
	point105										
Roadway54"	point177	0	0	0	0	0	0	0	0	0	0
	point196										
Lewis WB"	point179	25	25	0	0	0	0	0	0	0	0
	point195										
Roadway56"	point181	0	0	0	0	0	0	0	0	0	0
	point202										
Bradley WB"	point183	25	25	0	0	0	0	0	0	0	0
	point200	25	25	0	0	0	0	0	0	0	0
	point201										
Roadway58"	point185	25	25	0	0	0	0	0	0	0	0
	point206										
Flint WB"	point187	25	25	0	0	0	0	0	0	0	0
	point205										
Roadway60"	point189	0	0	0	0	0	0	0	0	0	0
	point211										
Gibbon WB"	point191	25	25	0	0	0	0	0	0	0	0
	point210	25	25	0	0	0	0	0	0	0	0
	point212										
Bradley EB"	point203	25	25	0	0	0	0	0	0	0	0
	point199	25	25	0	0	0	0	0	0	0	0
	point182										
Roadway57-2"	point204	0	0	0	0	0	0	0	0	0	0
	point184										

Roadway59-2"	point207	25	25	0	0	0	0	0	0	0	0
	point188										
Flint EB"	point208	25	25	0	0	0	0	0	0	0	0
	point186										
Gibbon EB"	point213	25	25	0	0	0	0	0	0	0	0
	point209	25	25	0	0	0	0	0	0	0	0
	point190										
Roadway61-2"	point214	0	0	0	0	0	0	0	0	0	0
	point192										
Roadway55-2"	point215	0	0	0	0	0	0	0	0	0	0
	point180										
Lewis EB "	point216	25	25	0	0	0	0	0	0	0	0
	point178										
harney NB"	point106	1353	45	13	45	14	45	0	0	0	0
	point107	1353	45	13	45	14	45	0	0	0	0
	point108	1353	45	13	45	14	45	0	0	0	0
	point109	1353	45	13	45	14	45	0	0	0	0
	point110	1353	45	13	45	14	45	0	0	0	0
	point111	1353	45	13	45	14	45	0	0	0	0
	station 44+00	1353	45	13	45	14	45	0	0	0	0
	station 40+00	1353	45	13	45	14	45	0	0	0	0
	station 38+00	1353	45	13	45	14	45	0	0	0	0
	station 37+00	1353	45	13	45	14	45	0	0	0	0
	station 36+00	1353	45	13	45	14	45	0	0	0	0
	station 35+00	1353	45	13	45	14	45	0	0	0	0
	station 34+00	1353	45	13	45	14	45	0	0	0	0
	point98	1353	45	13	45	14	45	0	0	0	0
	station 32+00	1353	45	13	45	14	45	0	0	0	0
	station 30+00	1353	45	13	45	14	45	0	0	0	0
	station 29+00	1353	45	13	45	14	45	0	0	0	0
	station 26+00	1353	45	13	45	14	45	0	0	0	0
	station 25+00	1353	45	13	45	14	45	0	0	0	0
	point157	1353	45	13	45	14	45	0	0	0	0
	station 23+00	1353	45	13	45	14	45	0	0	0	0

	station 22+00	1353	45	13	45	14	45	0	0	0	0
	station 21+00	1353	45	13	45	14	45	0	0	0	0
	point152										
Cedar SB 1"	point229	157	25	1	25	2	25	0	0	0	0
	point230										
Cedar NB 1"	point231	235	25	2	25	3	25	0	0	0	0
	point232										
Pine NB 1"	point233	25	25	0	0	0	0	0	0	0	0
	point234										
Pine SB 1"	point235	25	25	0	0	0	0	0	0	0	0
	point236										
Pine NB 2"	point237	25	25	0	0	0	0	0	0	0	0
	point238										
Pine SB 2"	point239	25	25	0	0	0	0	0	0	0	0
	point240										
Pine NB 3"	point241	25	25	0	0	0	0	0	0	0	0
	point242										
Pine SB 3"	point243	25	25	0	0	0	0	0	0	0	0
	point244										
Pine NB 4"	point245	25	25	0	0	0	0	0	0	0	0
	point246										
Pine SB 4"	point247	25	25	0	0	0	0	0	0	0	0
	point248										
Pine NB 5"	point249	25	25	0	0	0	0	0	0	0	0
	point250										
Pine SB 5"	point251	25	25	0	0	0	0	0	0	0	0
	point252										
Pine NB 6"	point253	25	25	0	0	0	0	0	0	0	0
	point254										
Pine SB 6"	point255	25	25	0	0	0	0	0	0	0	0
	point256										
Hodgeman NB 5"	point257	25	25	0	0	0	0	0	0	0	0
	point258										
Hodgeman SB 5"	point259	25	25	0	0	0	0	0	0	0	0

	point260										
Hodgeman NB 4"	point261	25	25	0	0	0	0	0	0	0	0
	point262										
Hodgeman SB 4"	point263	25	25	0	0	0	0	0	0	0	0
	point264										
Hodgeman NB 3"	point265	25	25	0	0	0	0	0	0	0	0
	point266										
Hodgeman SB 3"	point267	25	25	0	0	0	0	0	0	0	0
	point268										
Hodgeman NB 2"	point269	25	25	0	0	0	0	0	0	0	0
	point270										
Hodgeman SB 2"	point271	25	25	0	0	0	0	0	0	0	0
	point272										
Hodgeman NB 1"	point273	25	25	0	0	0	0	0	0	0	0
	point274										
Hodgeman SB 1"	point275	25	25	0	0	0	0	0	0	0	0
	point276										

Barrier Name	Type	Height Min	Max	X coordinate	Y coordinate	Z coordinate	Height at Point	Segments Increments	# up	# down
Barrier1-2	W	0	99.99	536857.2	297676.5	0	12	1	4	2
				536934.6	297782.1	0	12	1	4	2
				536985.6	297874.4	0	12	1	4	2
				537032.4	297960.3	0	12	1	4	2
				537091.1	298041.3	0	12	1	4	2
				537160.8	298110.2	0	12	1	4	2
				537217.2	298157.9	0	12			
Barrier2"	W	0	99.99	537315.7	298214.2	0	8	1	4	2
				537385.8	298239.8	0	8	1	4	2
				537474.2	298265.9	0	8	1	4	2
				537598.6	298292.2	0	8	1	4	2
				537679.6	298316.7	0	8	1	4	2
				537784.9	298355.6	3.6	8			
Barrier3-2"	W	0	99.99	537972.7	298613.6	17.4	8	1	4	2
				537900.4	298538.6	12.8	8	1	4	2
				537823.9	298481.8	8.2	8	1	4	2
				537755.4	298443.6	3.6	8	1	4	2
				537654.4	298399.6	0	8	1	4	2
				537565.1	298375.6	0	8	1	4	2
				537461.5	298354	0	8	1	4	2
				537365.7	298326.2	0	8	1	4	2
				537318.3	298306.6	0	8			

Receiver Name	Calculated Leq w/o barrier	Impact Criteria	Calculated Leq w/ barrier	Noise Reduction
Receiver1	54.4	66	54.2	0.2
Receiver2"	54.7	66	54.5	0.2
Receiver3"	53.1	66	52.8	0.3
Receiver4"	52.6	66	52.3	0.3
Receiver5"	52.1	66	51.7	0.4
Receiver6"	52.6	66	52.2	0.4
Receiver7"	57.9	66	57.8	0.1
Receiver8"	57.1	66	56.9	0.2
Receiver9"	56.9	66	56.7	0.2
Receiver10"	55.1	66	54.9	0.2
Receiver11"	54.1	66	53.8	0.3
Receiver12"	53.8	66	53.5	0.3
Receiver13"	52.9	66	52.5	0.4
Receiver14 - historic"	58	66	57.9	0.1
Receiver15"	56.1	66	55.9	0.2
Receiver16"	56.5	66	56.3	0.2
Receiver17"	55.7	66	55.4	0.3
Receiver18"	54.4	66	54.1	0.3
Receiver19"	54.2	66	53.9	0.3
Receiver20"	53.9	66	53.4	0.5
Receiver21"	58.1	66	58	0.1
Receiver22 "	57.2	66	57	0.2
Receiver23 "	56.4	66	56.1	0.3
Receiver24"	55.3	66	55	0.3
Receiver25"	55.1	66	54.7	0.4
Receiver26 "	54.4	66	54	0.4
Receiver27 "	55.7	66	55.4	0.3
Receiver28"	59.1	66	59	0.1
Receiver29"	57.5	66	57.3	0.2
Receiver32"	56.3	66	55.6	0.7
Receiver33"	56.8	66	56.3	0.5
Receiver34"	56.8	66	56.4	0.4
Receiver35 "	60.7	66	60.6	0.1

Receiver37"	56.9	66	56.1	0.8
Receiver38"	56.7	66	55.8	0.9
Receiver39"	56.1	66	55.2	0.9
Receiver40"	55.8	66	54.8	1
Receiver41"	60	66	59.8	0.2
Receiver43"	57.1	66	56.1	1
Receiver44"	56.6	66	55.5	1.1
Receiver46"	60.8	66	60.6	0.2
Receiver47 "	56.9	66	56.5	0.4
Receiver49"	57.6	66	56.5	1.1
Receiver50"	57.2	66	55.8	1.4
Receiver51"	60.9	66	60.7	0.2
Receiver52"	58.3	66	57.9	0.4
Receiver55"	58	66	56.7	1.3
Receiver56"	58.8	66	57.2	1.6
Receiver57"	58.8	66	57.3	1.5
Receiver58"	58	66	57	1
Receiver59"	60.1	66	57.8	2.3
Receiver60"	59.6	66	58.4	1.2
Receiver61"	61.4	66	60.7	0.7
Receiver62"	58.5	66	57.8	0.7
Receiver63 - historic"	61.1	66	57.6	3.5
Receiver64"	60.5	66	57.8	2.7
Receiver65"	61	66	60	1
Receiver66"	59.7	66	59	0.7
Receiver67 - historic"	60.9	66	58	2.9
Receiver68 - historic"	60.5	66	59.5	1
Receiver69"	63.4	66	58.5	4.9
Receiver70 - historic"	63.1	66	59	4.1
Receiver71 - historic"	62.7	66	59.7	3
Receiver72"	63.3	66	61.8	1.5
Receiver73"	61.8	66	60.8	1
Receiver74"	66.1	66	58.9	7.2
Receiver76"	69.8	66	60.3	9.5

Receiver77 - historic"	66.6	66	61.2	5.4
Receiver78 - historic"	65.6	66	61	4.6
Receiver79 - historic"	64.7	66	61.3	3.4
Receiver80"	62.6	66	61.8	0.8
Receiver81 - historic"	56.7	66	56.1	0.6
Receiver82"	67.9	66	61.1	6.8
Receiver83"	70	66	62.5	7.5
Receiver87"	62.4	66	58.9	3.5
Receiver88"	68.2	66	61.8	6.4
Receiver89"	75	66	70.4	4.6
Receiver90"	64.4	66	60.2	4.2
Receiver91"	71.9	66	70.5	1.4
Receiver92 - historic"	56.1	66	55.6	0.5
Receiver93 - historic"	58	66	57.1	0.9
Receiver94 "	60	66	58.3	1.7
Receiver95"	60.6	66	58.5	2.1
Receiver96"	61.6	66	59.4	2.2
Receiver97 - historic"	65.6	66	64.2	1.4
Receiver98"	68.6	66	61.8	6.8
Receiver101 - historic"	57.4	66	56	1.4
Receiver102"	58.7	66	56.8	1.9
Receiver104"	65.2	66	64.2	1
Receiver105 - historic"	66.2	66	60	6.2
Receiver106 - historic"	56.5	66	55.4	1.1
Receiver107 - historic"	57.3	66	56	1.3
Receiver108 - historic"	64.6	66	63.7	0.9
Receiver109 - historic"	64.7	66	59.5	5.2
Receiver110 - historic"	57.5	66	56.8	0.7
Receiver111"	58.4	66	57.5	0.9
Receiver112 - historic"	63.9	66	63.2	0.7
Receiver113"	64.3	66	63.7	0.6
Receiver114 - historic"	63.7	66	58.9	4.8
Receiver115"	63.4	66	58.4	5
Receiver116 - historic"	56.8	66	56.4	0.4

Receiver117 - historic"	57.5	66	57	0.5
Receiver118"	56.8	66	56.1	0.7
Receiver119 - historic"	65.1	66	64.8	0.3
Receiver120"	61.6	66	59.4	2.2
Receiver121"	63.6	66	59.3	4.3
Receiver122 - historic"	55.2	66	54.7	0.5
Receiver123"	56.2	66	55.5	0.7
Receiver124"	65.2	66	65	0.2
Receiver125"	61.2	66	59.5	1.7
Receiver126 - historic"	55.5	66	55.2	0.3
Receiver127"	55.9	66	55.4	0.5
Receiver128 - historic"	64.5	66	64.3	0.2
Receiver129"	64.1	66	63.9	0.2
Receiver130 - historic"	60.8	66	59.5	1.3
Receiver131"	60.7	66	59.6	1.1
Receiver132"	56.5	66	56.2	0.3
Receiver133 "	58.3	66	58.1	0.2
Receiver134"	60.2	66	60	0.2
Receiver135"	62.5	66	62.3	0.2
Receiver136"	60.4	66	59.2	1.2
Receiver137"	62	66	61.5	0.5
Receiver138"	57.1	66	56.9	0.2
Receiver139"	58.1	66	57.9	0.2
Receiver140"	59.4	66	59.2	0.2
Receiver141"	64.5	66	64.4	0.1
Receiver142"	62.2	66	62	0.2
Receiver143"	59	66	58.9	0.1
Receiver144"	60.6	66	60.3	0.3
Receiver99 - historic"	58.6	66	56.9	1.7
Receiver103"	61.5	66	59.4	2.1
Receiver45"	56.9	66	55.8	1.1
Receiver100"	57.9	66	56.4	1.5
Receiver31"	58.1	66	57.8	0.3

Alternative D TNM Inputs/Outputs

Roadway Name	Width	Stationing	X coordinate	Y coordinate	Z coordinate	Control device	Pavement	On Structure?
harney E of RR WB	24	Sta=0.00	539357.9	298980.9	0	Stop	Average	
		Sta=1+00.00	539261.6	298990	5		Average	
		Sta=2+00.00	539165.4	298999.1	8		Average	
		Sta=3+00.00	539074.4	299013.9	11.6		Average	
		Sta=4+00.00	538969.2	299038.2	15.4		Average	
		Sta=5+00.00	538883.4	299076.9	19.2		Average	
		Sta=6+00.00	538787.1	299123.2	21		Average	Y
		Sta=7+00.00	538710.4	299170.8	23.3		Average	Y
		Sta=8+00.00	538618.1	299228.2	27.4		Average	Y
		Sta=9+00.00	538538.1	299280.1	31.5		Average	Y
		Sta=10+00.0	538458.1	299332	35.6		Average	Y
		Sta=11+00.0	538357.1	299393.7	31		Average	Y
		Sta=12+00.0	538251	299460.6	27			
harney W of RR WB"	24	Sta=12+00.0	538251	299460.6	27		Average	
		Sta=13+00.0	538180	299496.6	22		Average	
		Sta=14+00.0	538098.3	299530.2	19		Average	
		Sta=15+00.0	538040.4	299548.8	15.5		Average	
		Sta=16+00.0	537893.2	299571.8	12		Average	
		Sta=17+00.0	537799.2	299573.1	10		Average	
		Sta=18+00.0	537695	299567.3	6		Average	
		Sta=19+00.0	537592.9	299558.5	3		Average	
		Sta=20+00.0	537492.2	299550.2	0		Average	
		Sta=21+00.0	537392.2	299539.4	0		Average	
		Sta=22+00.0	537355.1	299532.7	0			
harney E of RR EB"	24	station 12+0	538233.4	299432.2	27		Average	Y
		station 11+0	538336.9	299366	31		Average	Y
		station 10+0	538434	299305	35.6		Average	Y
		station 9+00	538518.4	299251.6	31.5		Average	Y
		station 8+00	538602	299197.4	27.4		Average	Y
		station 7+00	538683.2	299145	23.3		Average	Y
		station 6+00	538773	299089.6	21		Average	
		station 5+00	538865.9	299045.6	19.2		Average	
		station 4+00	538956.1	299004.1	15.4		Average	

		station 3+00	539067.8	298980.7	11.6		Average
		station 2+00	539165.3	298962.5	8		Average
		station 1+00	539257.6	298952.6	5		Average
		station 0+00	539349.8	298942.7	0		
Cedar NB"	12	point142	537215.8	297432.7	0	Signal	Average
		point143	537247.5	297810.5	0		Average
		point144	537281.5	298204.7	0		Average
		point145	537321.4	298654	0		Average
		point146	537354.3	299046.9	0		Average
		point147	537373.4	299381.5	0		Average
		point178	537356.7	299492.6	0		
Clark EB"	12	point162	536515	297462.8	0	Stop	Average
		point163	536660.4	297457.9	0		Average
		point164	537199	297411.9	0		
Clark WB"	12	point245	538725.2	297300.8	0		Average
		point246	537966.2	297363.2	0		Average
		point247	537841.2	297374.5	0		Average
		point170	537742.2	297382.5	0		Average
		point235	537634	297391.6	0		Average
		point248	537528.5	297400.9	0		Average
		point236	537423.1	297410.1	0		Average
		point171	537212.1	297428.6	0		
Clark WB-2"	12	point176	537195.5	297429.5	0	Signal	Average
		point172	536651.2	297477.2	0		Average
		point173	536525.6	297475.6	0		
Clark EB-2"	12	point177	537215.6	297411.9	0	Signal	Average
		point240	537424.2	297391.2	0		Average
		point241	537532.8	297385	0		Average
		point239	537632.7	297376.7	0		Average
		point244	537749.9	297366.6	0		Average
		point243	537846.4	297358.1	0		Average
		point165	537970.5	297348.3	0		Average
		point249	538721.9	297280.9	0		
Harney EB"	12	point184	537365.9	299123.5	0	Stop	Average

		point185	537721	299095.6	0	Average
		point186	538294.8	299046.4	0	
Harney WB"	12	point187	538291.3	299069.8	0	Average
		point188	537514.3	299128.3	0	Average
		point189	537364.6	299141.4	0	
Cedar SB"	12	point152	537219.3	300339.8	0	Average
		point153	537294.3	299875.1	0	Average
		point154	537314.7	299623	0	Average
		point191	537329.4	299524.5	0	
harney W of RR EB-2"	24	point192	537357.6	299498.7	0 Signal	Average
		station 21+0(	537394.4	299504.9	0	Average
		station 20+0(	537494	299515.7	0	Average
		station 19+0(	537596.6	299523.4	3	Average
		station 18+0(	537696.2	299530.7	6	Average
		station 17+0(	537803.1	299537	10	Average
		station 16+0(	537895.6	299536.2	12	Average
		station 15+0(	538037.8	299511.5	15.5	Average
		station 14+0(	538089.1	299494.6	19	Average
		station 13+0(	538167.1	299464.3	22	Average
		station 12+0(	538233.4	299432.2	27	
Cedar SB-2"	12	point194	537337.1	299483.5	0 Signal	Average
		point155	537355.4	299377.2	0	Average
		point156	537324.9	298913.1	0	Average
		point157	537285.1	298461.5	0	Average
		point158	537251.1	298068.5	0	Average
		point159	537219.4	297704.7	0	Average
		point160	537197.9	297434.7	0	
Cedar NB-2"	12	point195	537350.2	299533.3	0 Signal	Average
		point148	537334.4	299629.3	0	Average
		point149	537316.8	299845.9	0	Average
		point150	537249.9	300272.9	0	Average
		point151	537240.4	300340.4	0	
harney SB"	24	point193	537322	299526.2	0 Signal	Average
		Sta=23+00.(	537215.4	299481.9	0	Average

	Sta=24+00.0	537096.7	299390.3	0	Average
	Sta=25+00.0	537053.6	299336.3	0	Average
	station 26+0(	536989.1	299231.3	0	Average
	station 27+0(	536964.7	299151.4	0	Average
	station 28+0(	536952.8	299063.7	0	Average
	station 29+0(	536955.9	298950.9	0	Average
	station 30+0(	536959.8	298856.4	0	Average
	station 31+0(	536962.9	298750.8	0	Average
	station 32+0(	536966.4	298639.8	0	Average
	station 33+0(	536967.6	298548.7	0	Average
	station 34+0(	536971.3	298450.9	0	Average
	station 35+0(	536973.1	298345	0	Average
	station 36+0(	536977.2	298244.6	0	Average
	station 37+0(	536980	298146.6	0	Average
	station 38+0(	536982.3	298040	0	Average
	station 39+0(	536980.1	297969.2	0	Average
	station 40+0(	536955	297864.1	0	Average
	station 41+0(	536914.3	297777.2	0	Average
	station 42+0(	536830.3	297681.5	0	Average
	station 43+0(	536759.2	297628.2	0	Average
	station 44+0(	536671.4	297577.1	0	Average
	station 45+0(	536576.9	297544.6	0	Average
	station 46+0(	536484.2	297512.7	0	Average
	station 47+0(	536389.4	297483.4	0	Average
	station 48+0(	536293.1	297449.8	0	Average
	station 49+0(	536216.4	297424.4	0	Average
	point129	536018	297357.3	0	Average
	point130	535833.3	297261.1	0	Average
	point131	535694.6	297125	0	Average
	point132	535594.7	296961.3	0	Average
	point133	535491.3	296696	0	Average
	point134	535235.9	296042.8	0	
harney NB"	24 point135	535270.8	296029.7	0	Average
	point136	535527.9	296695.5	0	Average

	point137	535628.6	296948.5	0		Average
	point138	535723.8	297100.7	0		Average
	point139	535863	297236.9	0		Average
	point140	536040.6	297328.4	0		Average
	station 49+0(	536237.6	297393.3	0		Average
	station 48+0(	536326.7	297421.7	0		Average
	station 47+0(	536423.6	297452.5	0		Average
	station 46+0(	536508.4	297481.7	0		Average
	station 45+0(	536599.4	297515.5	0		Average
	station 44+0(	536687.6	297545.2	0		Average
	station 43+0(	536790.9	297602.1	0		Average
	station 42+0(	536865.3	297660.2	0		Average
	station 41+0(	536944	297755.1	0		Average
	station 40+0(	536991.5	297850.6	0		Average
	station 39+0(	537013.6	297962.8	0		Average
	station 38+0(	537016.9	298035.9	0		Average
	station 37+0(	537013.6	298156.1	0		Average
	station 36+0(	537012.5	298246.1	0		Average
	station 35+0(	537009.1	298346.6	0		Average
	station 34+0(	537006.6	298451.3	0		Average
	station 33+0(	537003.6	298550.7	0		Average
	station 32+0(	537000.1	298640.7	0		Average
	station 31+0(	536997.9	298753.2	0		Average
	station 30+0(	536994.6	298853.2	0		Average
	station 29+0(	536991.8	298954.7	0		Average
	station 28+0(	536990.4	299060.7	0		Average
	station 27+0(	537001.6	299142.2	0		Average
	station 26+0(	537025.7	299214.8	0		Average
	station 25+0(	537085.8	299317.4	0		Average
	station 24+0(	537123.3	299363.8	0		Average
	point190	537237.3	299451.8	0		Average
	station 22+0(	537334.9	299493.6	0		
Roadway31"	12 point197	537307.2	298809.7	0	Stop	Average
	point198	537152	298824.9	0		

Roadway32"	12	point199	537144.9	298800.4	0		Average
		point200	537307.3	298784.9	0		
Gibbon WB"	12	point201	538045.3	298739.5	0		Average
		point227	537598.6	298782.2	0		Average
		point202	537338.1	298806	0		
Gibbon EB"	12	point203	537337.7	298781.8	0	Stop	Average
		point228	537603.6	298757.6	0		Average
		point204	538048.6	298716.5	0		
Roadway35"	12	point205	537278.1	298468	0	Stop	Average
		point206	537017.1	298492.3	0		
Roadway36"	12	point207	537017.1	298463.6	0	Stop	Average
		point208	537280.6	298438.8	0		
Flint WB"	12	point209	537864.7	298414.3	0		Average
		point210	537309.7	298465.5	0		
Flint EB"	12	point211	537308.5	298437	0	Stop	Average
		point212	537864.7	298388.1	0		
Roadway39"	12	point213	537252.4	298117	0	Stop	Average
		point214	537082.2	298131.4	0		
Roadway40"	12	point215	537086.8	298115.3	0		Average
		point216	537251	298100.9	0		
Bradley WB"	12	point217	538120.6	298041.6	0		Average
		point229	537601.4	298086.5	0		Average
		point218	537278.5	298114.5	0		
Bradley EB"	12	point219	537276.4	298099.1	0	Stop	Average
		point230	537606	298069.2	0		Average
		point220	538125.2	298023.2	0		
Roadway43"	12	point221	537222.8	297776.3	0	Stop	Average
		point222	537055.8	297793.1	0		
Roadway44"	12	point223	537051.9	297777	0		Average
		point224	537224.1	297760.2	0		
Lewis WB"	12	point225	538129.8	297696.2	0		Average
		point226	537248.9	297774	0		
Lewis EB"	12	point231	537248.1	297757.9	0	Stop	Average
		point232	538132.1	297677.8	0		

Hodgeman NB 5"	12	point250	537935.8	299106.2	0	Average
		point251	537957.4	299365.9	0	
Hodgeman SB 5"	12	point252	537938.5	299368.7	0	Average
		point253	537914.2	299108.9	0	
Hodgeman NB 4"	12	point254	537903.3	298760	0	Average
		point255	537930.4	299073.8	0	
Hodgeman SB 4"	12	point256	537911.4	299071.1	0	Average
		point257	537884.4	298768.1	0	
Hodgeman NB 3"	12	point258	537873.6	298421.8	0	Average
		point259	537900.6	298722.1	0	
Hodgeman SB 3"	12	point260	537881.7	298722.1	0	Average
		point261	537857.4	298432.6	0	
Hodgeman NB 2"	12	point262	537814.1	297740.1	0	Average
		point263	537843.8	298037.6	0	
Hodgeman SB 2"	12	point264	537827.6	298045.8	0	Average
		point265	537797.8	297745.5	0	
Hodgeman NB 1"	12	point266	537787	297391.1	0 Stop	Average
		point267	537811.4	297699.5	0	
Hodgeman SB 1"	12	point268	537789.7	297696.8	0	Average
		point269	537768.1	297393.8	0	
Pine NB 1"	12	point270	537576	297410	0 Stop	Average
		point271	537603.1	297718.4	0	
Pine SB 1"	12	point272	537584.1	297718.4	0	Average
		point273	537557.1	297407.3	0	
Pine NB 2"	12	point274	537605.8	297759	0	Average
		point275	537630.1	298056.6	0	
Pine SB 2"	12	point276	537611.2	298059.3	0	Average
		point277	537586.8	297761.7	0	
Pine NB 3"	12	point278	537635.5	298094.5	0	Average
		point279	537659.9	298397.4	0	
Pine SB 3"	12	point280	537635.5	298402.8	0	Average
		point281	537613.9	298097.2	0	
Pine NB 4"	12	point282	537662.6	298446.1	0	Average
		point283	537689.6	298741	0	

Pine SB 4"	12	point284	537668	298743.7	0		Average
		point285	537643.6	298446.1	0		
Pine NB 5"	12	point286	537692.3	298787	0		Average
		point287	537716.7	299084.6	0		
Pine SB 5"	12	point288	537697.8	299087.3	0		Average
		point289	537670.7	298792.4	0		
Pine NB 6"	12	point290	537719.4	299127.9	0		Average
		point291	537738.3	299355.1	0		
Pine SB 6"	12	point292	537719.4	299357.8	0		Average
		point293	537700.4	299130.6	0		
Roadway69"	12	point294	537191.9	299141.4	0		Average
		point295	537327.1	299127.9	0		
Roadway70"	12	point296	537329.8	299149.5	0	Stop	Average
		point297	537186.4	299160.3	0		
Cedar SB 1"	12	point298	537192.1	297401.9	0	Signal	Average
		point299	537095.8	296324.8	0		
Cedar NB 1"	12	point300	537120.2	296315.5	0		Average
		point301	537213.8	297401.9	0		

Roadway Name	Stationing	Autos		Medium Trucks		Heavy Trucks		Buses		Motorcycles	
		veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
harney E of RR WB	Sta=0.00	431	30	4	30	5	30	0	0	0	0
	Sta=1+00.00	431	30	4	30	5	30	0	0	0	0
	Sta=2+00.00	431	30	4	30	5	30	0	0	0	0
	Sta=3+00.00	431	30	4	30	5	30	0	0	0	0
	Sta=4+00.00	431	30	4	30	5	30	0	0	0	0
	Sta=5+00.00	431	30	4	30	5	30	0	0	0	0
	Sta=6+00.00	431	30	4	30	5	30	0	0	0	0
	Sta=7+00.00	431	30	4	30	5	30	0	0	0	0
	Sta=8+00.00	431	30	4	30	5	30	0	0	0	0
	Sta=9+00.00	431	30	4	30	5	30	0	0	0	0
	Sta=10+00.00	431	30	4	30	5	30	0	0	0	0
	Sta=11+00.00										
harney E of RR EB"	station 11+00	647	30	6	30	7	30	0	0	0	0
	station 10+00	647	30	6	30	7	30	0	0	0	0
	station 9+00	647	30	6	30	7	30	0	0	0	0
	station 8+00	647	30	6	30	7	30	0	0	0	0
	station 7+00	647	30	6	30	7	30	0	0	0	0
	station 6+00	647	30	6	30	7	30	0	0	0	0
	station 5+00	647	30	6	30	7	30	0	0	0	0
	station 4+00	647	30	6	30	7	30	0	0	0	0
	station 3+00	647	30	6	30	7	30	0	0	0	0
	station 2+00	647	30	6	30	7	30	0	0	0	0
	station 1+00	647	30	6	30	7	30	0	0	0	0
	station 0+00										
Clark EB"	point134	51	30	0	0	0	0	0	0	0	0
	point135	51	30	0	0	0	0	0	0	0	0
	point136										
Clark WB"	point221	75	30	1	30	1	30	0	0	0	0
	point218	75	30	1	30	1	30	0	0	0	0
	point222	75	30	1	30	1	30	0	0	0	0
	point141	75	30	1	30	1	30	0	0	0	0
	point219	75	30	1	30	1	30	0	0	0	0

	point217	75	30	1	30	1	30	0	0	0	0
	point220	75	30	1	30	1	30	0	0	0	0
	point142										
Clark WB-2"	point146	75	30	1	30	1	30	0	0	0	0
	point143	75	30	1	30	1	30	0	0	0	0
	point144	75	30	1	30	1	30	0	0	0	0
	point145										
Clark EB-2"	point147	51	30	0	0	0	0	0	0	0	0
	point224	51	30	0	0	0	0	0	0	0	0
	point228	51	30	0	0	0	0	0	0	0	0
	point223	51	30	0	0	0	0	0	0	0	0
	point225	51	30	0	0	0	0	0	0	0	0
	point137	51	30	0	0	0	0	0	0	0	0
	point227	51	30	0	0	0	0	0	0	0	0
	point226										
Cedar NB"	point198	235	25	2	25	3	25	0	0	0	0
	point116	235	25	2	25	3	25	0	0	0	0
	point117	235	25	2	25	3	25	0	0	0	0
	point118	235	25	2	25	3	25	0	0	0	0
	point166										
harney W of RR WB"	Sta=11+00.00	1059	45	10	45	11	45	0	0	0	0
	Sta=12+00.00	1059	45	10	45	11	45	0	0	0	0
	Sta=13+00.00	1059	45	10	45	11	45	0	0	0	0
	Sta=14+00.00	1059	45	10	45	11	45	0	0	0	0
	Sta=15+00.00	1059	45	10	45	11	45	0	0	0	0
	Sta=16+00.00	1059	45	10	45	11	45	0	0	0	0
	Sta=17+00.00	1059	45	10	45	11	45	0	0	0	0
	Sta=18+00.00	1059	45	10	45	11	45	0	0	0	0
	Sta=19+00.00	1059	45	10	45	11	45	0	0	0	0
	point159										
harney W of RR EB-2-:	point171	1588	45	16	45	16	45	0	0	0	0
	station 19+00	1588	45	16	45	16	45	0	0	0	0
	station 18+00	1588	45	16	45	16	45	0	0	0	0
	station 17+00	1588	45	16	45	16	45	0	0	0	0

	station 16+00	1588	45	16	45	16	45	0	0	0	0
	station 15+00	1588	45	16	45	16	45	0	0	0	0
	station 14+00	1588	45	16	45	16	45	0	0	0	0
	station 13+00	1588	45	16	45	16	45	0	0	0	0
	station 12+00	1588	45	16	45	16	45	0	0	0	0
	station 11+00										
Cedar NB-2-2-2"	point173	235	25	2	25	3	25	0	0	0	0
	point120	235	25	2	25	3	25	0	0	0	0
	point121	235	25	2	25	3	25	0	0	0	0
	point122	235	25	2	25	3	25	0	0	0	0
	point123	235	25	2	25	3	25	0	0	0	0
	point124										
Cedar SB"	point125	157	25	1	25	2	25	0	0	0	0
	point126	157	25	1	25	2	25	0	0	0	0
	point127	157	25	1	25	2	25	0	0	0	0
	point128	157	25	1	25	2	25	0	0	0	0
	point153										
Cedar SB-2"	point175	157	25	1	25	2	25	0	0	0	0
	point130	157	25	1	25	2	25	0	0	0	0
	point131	157	25	1	25	2	25	0	0	0	0
	point133										
harney SB"	point172	902	45	9	45	9	45	0	0	0	0
	Sta=21+00.00	902	45	9	45	9	45	0	0	0	0
	Sta=22+00.00	902	45	9	45	9	45	0	0	0	0
	Sta=23+00.00	902	45	9	45	9	45	0	0	0	0
	station 24+00	902	45	9	45	9	45	0	0	0	0
	station 25+00	902	45	9	45	9	45	0	0	0	0
	station 26+00	902	45	9	45	9	45	0	0	0	0
	station 29+00	902	45	9	45	9	45	0	0	0	0
	station 30+00	902	45	9	45	9	45	0	0	0	0
	station 32+00	902	45	9	45	9	45	0	0	0	0
	station 33+00	902	45	9	45	9	45	0	0	0	0
	station 34+00	902	45	9	45	9	45	0	0	0	0
	station 35+00	902	45	9	45	9	45	0	0	0	0

	station 36+00	902	45	9	45	9	45	0	0	0	0
	station 37+00	902	45	9	45	9	45	0	0	0	0
	station 38+00	902	45	9	45	9	45	0	0	0	0
	station 40+00	902	45	9	45	9	45	0	0	0	0
	station 44+00	902	45	9	45	9	45	0	0	0	0
	point100	902	45	9	45	9	45	0	0	0	0
	point101	902	45	9	45	9	45	0	0	0	0
	point102	902	45	9	45	9	45	0	0	0	0
	point103	902	45	9	45	9	45	0	0	0	0
	point104	902	45	9	45	9	45	0	0	0	0
	point105										
Roadway54"	point177	0	0	0	0	0	0	0	0	0	0
	point196										
Lewis WB"	point179	25	25	0	0	0	0	0	0	0	0
	point195										
Roadway56"	point181	0	0	0	0	0	0	0	0	0	0
	point202										
Bradley WB"	point183	25	25	0	0	0	0	0	0	0	0
	point200	25	25	0	0	0	0	0	0	0	0
	point201										
Roadway58"	point185	25	25	0	0	0	0	0	0	0	0
	point206										
Flint WB"	point187	25	25	0	0	0	0	0	0	0	0
	point205										
Roadway60"	point189	0	0	0	0	0	0	0	0	0	0
	point211										
Gibbon WB"	point191	25	25	0	0	0	0	0	0	0	0
	point210	25	25	0	0	0	0	0	0	0	0
	point212										
Bradley EB"	point203	25	25	0	0	0	0	0	0	0	0
	point199	25	25	0	0	0	0	0	0	0	0
	point182										
Roadway57-2"	point204	0	0	0	0	0	0	0	0	0	0
	point184										

Roadway59-2"	point207	25	25	0	0	0	0	0	0	0	0
	point188										
Flint EB"	point208	25	25	0	0	0	0	0	0	0	0
	point186										
Gibbon EB"	point213	25	25	0	0	0	0	0	0	0	0
	point209	25	25	0	0	0	0	0	0	0	0
	point190										
Roadway61-2"	point214	0	0	0	0	0	0	0	0	0	0
	point192										
Roadway55-2"	point215	0	0	0	0	0	0	0	0	0	0
	point180										
Lewis EB "	point216	25	25	0	0	0	0	0	0	0	0
	point178										
harney NB"	point106	1353	45	13	45	14	45	0	0	0	0
	point107	1353	45	13	45	14	45	0	0	0	0
	point108	1353	45	13	45	14	45	0	0	0	0
	point109	1353	45	13	45	14	45	0	0	0	0
	point110	1353	45	13	45	14	45	0	0	0	0
	point111	1353	45	13	45	14	45	0	0	0	0
	station 44+00	1353	45	13	45	14	45	0	0	0	0
	station 40+00	1353	45	13	45	14	45	0	0	0	0
	station 38+00	1353	45	13	45	14	45	0	0	0	0
	station 37+00	1353	45	13	45	14	45	0	0	0	0
	station 36+00	1353	45	13	45	14	45	0	0	0	0
	station 35+00	1353	45	13	45	14	45	0	0	0	0
	station 34+00	1353	45	13	45	14	45	0	0	0	0
	point98	1353	45	13	45	14	45	0	0	0	0
	station 32+00	1353	45	13	45	14	45	0	0	0	0
	station 30+00	1353	45	13	45	14	45	0	0	0	0
	station 29+00	1353	45	13	45	14	45	0	0	0	0
	station 26+00	1353	45	13	45	14	45	0	0	0	0
	station 25+00	1353	45	13	45	14	45	0	0	0	0
	point157	1353	45	13	45	14	45	0	0	0	0
	station 23+00	1353	45	13	45	14	45	0	0	0	0

	station 22+00	1353	45	13	45	14	45	0	0	0	0
	station 21+00	1353	45	13	45	14	45	0	0	0	0
	point152										
Cedar SB 1"	point229	157	25	1	25	2	25	0	0	0	0
	point230										
Cedar NB 1"	point231	235	25	2	25	3	25	0	0	0	0
	point232										
Pine NB 1"	point233	25	25	0	0	0	0	0	0	0	0
	point234										
Pine SB 1"	point235	25	25	0	0	0	0	0	0	0	0
	point236										
Pine NB 2"	point237	25	25	0	0	0	0	0	0	0	0
	point238										
Pine SB 2"	point239	25	25	0	0	0	0	0	0	0	0
	point240										
Pine NB 3"	point241	25	25	0	0	0	0	0	0	0	0
	point242										
Pine SB 3"	point243	25	25	0	0	0	0	0	0	0	0
	point244										
Pine NB 4"	point245	25	25	0	0	0	0	0	0	0	0
	point246										
Pine SB 4"	point247	25	25	0	0	0	0	0	0	0	0
	point248										
Pine NB 5"	point249	25	25	0	0	0	0	0	0	0	0
	point250										
Pine SB 5"	point251	25	25	0	0	0	0	0	0	0	0
	point252										
Pine NB 6"	point253	25	25	0	0	0	0	0	0	0	0
	point254										
Pine SB 6"	point255	25	25	0	0	0	0	0	0	0	0
	point256										
Hodgeman NB 5"	point257	25	25	0	0	0	0	0	0	0	0
	point258										
Hodgeman SB 5"	point259	25	25	0	0	0	0	0	0	0	0

	point260									
Hodgeman NB 4"	point261	25	25	0	0	0	0	0	0	0	0
	point262									
Hodgeman SB 4"	point263	25	25	0	0	0	0	0	0	0	0
	point264									
Hodgeman NB 3"	point265	25	25	0	0	0	0	0	0	0	0
	point266									
Hodgeman SB 3"	point267	25	25	0	0	0	0	0	0	0	0
	point268									
Hodgeman NB 2"	point269	25	25	0	0	0	0	0	0	0	0
	point270									
Hodgeman SB 2"	point271	25	25	0	0	0	0	0	0	0	0
	point272									
Hodgeman NB 1"	point273	25	25	0	0	0	0	0	0	0	0
	point274									
Hodgeman SB 1"	point275	25	25	0	0	0	0	0	0	0	0
	point276									

Barrier Name	Type	Height Min	Max	X coordinate	Y coordinate	Z coordinate	Height at Point	Segments Increments	# up	# down	On Structure?
barrier 5	W	0	99.99	537392.2	299481.8	0	14	1	4	2	
				537495.4	299492.6	0	14	1	4	2	
				537596.6	299497.5	3	14	1	4	2	
				537697.8	299505.8	6	14	1	4	2	
				537799.9	299510.5	10	14	1	4	2	
				537890.6	299509.4	12	14	1	4	2	
				538027.2	299489.8	15.5	14	1	4	2	
				538076.4	299474.5	19	14	1	4	2	
				538154.4	299445.5	22	14	1	4	2 Y	
				538216.3	299415.7	27	14	1	4	2 Y	
				538324.8	299345.8	31	14				
barrier 4"	W	0	99.99	536709.1	297525.1	0	8	1	4	2	
				536811.2	297580.5	0	8	1	4	2	
				536873.5	297633.1	0	8	1	4	2	
				536964.9	297748.6	0	8	1	4	2	
				537011.6	297840.2	0	8	1	4	2	
				537034.4	297941	0	8	1	4	2	
				537041.6	298029.5	0	8	1	4	2	
				537039.8	298145.1	0	8	1	4	2	
				537030.6	298353.6	0	8				

Receiver Name	Calculated Leq w/o barrier	Impact Criteria	Calculated Leq w/ barrier	Noise Reduction
Receiver1	59.3	66	54.6	4.7
Receiver2"	58.2	66	54.1	4.1
Receiver3"	59.5	66	54	5.5
Receiver4"	60.9	66	54.4	6.5
Receiver5"	62.7	66	55.8	6.9
Receiver6"	61.5	66	55.8	5.7
Receiver7"	65.5	66	64.2	1.3
Receiver8"	65.6	66	65.2	0.4
Receiver9"	57	66	55.3	1.7
Receiver10"	57.3	66	53.6	3.7
Receiver11"	58.6	66	53.7	4.9
Receiver12"	59	66	54.3	4.7
Receiver13"	60.8	66	55.8	5
Receiver14 - historic"	63.7	66	62.8	0.9
Receiver15"	64.7	66	64.4	0.3
Receiver16"	56.1	66	53.5	2.6
Receiver17"	57.1	66	53.5	3.6
Receiver18"	57.5	66	53.4	4.1
Receiver19"	58.1	66	54.2	3.9
Receiver20"	59.1	66	55.4	3.7
Receiver21"	63.1	66	62.3	0.8
Receiver22 "	55.2	66	53.2	2
Receiver23 "	56.3	66	53.8	2.5
Receiver24"	56.7	66	53.8	2.9
Receiver25"	57.3	66	54.3	3
Receiver26 "	58.4	66	55.5	2.9
Receiver27 "	60	66	58.5	1.5
Receiver28"	63.2	66	62.7	0.5
Receiver29"	62.4	66	61.9	0.5
Receiver30"	53.7	66	52	1.7
Receiver31"	55.6	66	53.4	2.2
Receiver32"	56.6	66	54.6	2
Receiver33"	57.8	66	56.3	1.5

Receiver34"	58.7	66	57.5	1.2
Receiver35 "	63.4	66	63.1	0.3
Receiver36 "	54.4	66	52.2	2.2
Receiver37"	54.6	66	52.1	2.5
Receiver38"	55.3	66	53.4	1.9
Receiver39"	56.3	66	54.4	1.9
Receiver40"	56	66	54.2	1.8
Receiver41"	62.3	66	62	0.3
Receiver42 "	52.7	66	50.6	2.1
Receiver43"	54.9	66	53	1.9
Receiver44"	55.5	66	53.8	1.7
Receiver46"	62.4	66	62.2	0.2
Receiver47 "	60.9	66	60.6	0.3
Receiver48 "	53.7	66	51.8	1.9
Receiver49"	54.5	66	52.7	1.8
Receiver50"	55.1	66	53.6	1.5
Receiver51"	61.9	66	61.6	0.3
Receiver52"	60.3	66	60	0.3
Receiver53 "	51.8	66	50.1	1.7
Receiver54 "	53.4	66	51.7	1.7
Receiver55"	54.4	66	52.8	1.6
Receiver56"	54.8	66	53.6	1.2
Receiver57"	55.4	66	54.4	1
Receiver58"	57.6	66	56.9	0.7
Receiver59"	55.1	66	54.2	0.9
Receiver60"	58.1	66	57.6	0.5
Receiver61"	60.4	66	60.1	0.3
Receiver62"	60.3	66	60	0.3
Receiver63 - historic"	53.6	66	52.5	1.1
Receiver64"	54.3	66	53.3	1
Receiver65"	59.1	66	58.6	0.5
Receiver66"	60.3	66	60	0.3
Receiver67 - historic"	54	66	53	1
Receiver68 - historic"	60.5	66	60.1	0.4

Receiver69"	53.3	66	52.1	1.2
Receiver70 - historic"	54	66	52.9	1.1
Receiver71 - historic"	55.5	66	54.5	1
Receiver72"	59	66	58.4	0.6
Receiver73"	60.7	66	60.1	0.6
Receiver74"	53	66	51.8	1.2
Receiver75"	54	66	53.2	0.8
Receiver76"	55	66	54.3	0.7
Receiver77 - historic"	55.2	66	54.4	0.8
Receiver78 - historic"	55.9	66	55.1	0.8
Receiver79 - historic"	56.5	66	55.7	0.8
Receiver80"	62.2	66	61.6	0.6
Receiver81 - historic"	48.6	66	47	1.6
Receiver82"	53.1	66	51.8	1.3
Receiver83"	54	66	52.6	1.4
Receiver84"	56.5	66	54.9	1.6
Receiver85 - historic"	61.3	66	60.4	0.9
Receiver86 - historic"	63.8	66	58.9	4.9
Receiver87"	53.3	66	52.2	1.1
Receiver88"	54.3	66	52.8	1.5
Receiver89"	60.6	66	59.3	1.3
Receiver90"	55.9	66	54.9	1
Receiver91"	62.1	66	61.1	1
Receiver92 - historic"	49.5	66	48.5	1
Receiver93 - historic"	51.9	66	51	0.9
Receiver94 "	54.2	66	53.1	1.1
Receiver95"	55.2	66	54	1.2
Receiver96"	56.4	66	54.8	1.6
Receiver97 - historic"	61.5	66	60.3	1.2
Receiver98"	63.2	66	58.4	4.8
Receiver101 - historic"	53.6	66	52.2	1.4
Receiver102"	54.5	66	52.6	1.9
Receiver104"	62.7	66	61.7	1
Receiver105 - historic"	63.8	66	58.5	5.3

Receiver106 - historic"	53.7	66	52.4	1.3
Receiver107 - historic"	54.8	66	53.1	1.7
Receiver108 - historic"	62.7	66	61.7	1
Receiver109 - historic"	63.9	66	58.5	5.4
Receiver110 - historic"	55.9	66	55.3	0.6
Receiver111"	56.9	66	55.7	1.2
Receiver112 - historic"	62.4	66	61.4	1
Receiver113"	63.2	66	62.4	0.8
Receiver114 - historic"	64.4	66	58.7	5.7
Receiver115"	64.7	66	58.8	5.9
Receiver116 - historic"	55.6	66	55.3	0.3
Receiver117 - historic"	56.6	66	56.2	0.4
Receiver118"	55.5	66	54.8	0.7
Receiver119 - historic"	64.8	66	64.3	0.5
Receiver120"	62.7	66	58.5	4.2
Receiver121"	66.5	66	59.1	7.4
Receiver122 - historic"	54.1	66	53.6	0.5
Receiver123"	55	66	54.2	0.8
Receiver124"	65.2	66	64.8	0.4
Receiver125"	61.9	66	58.5	3.4
Receiver126 - historic"	54.5	66	54.3	0.2
Receiver127"	55.1	66	54.6	0.5
Receiver128 - historic"	64.4	66	64.1	0.3
Receiver129"	64	66	63.7	0.3
Receiver130 - historic"	61.4	66	58.8	2.6
Receiver131"	61.2	66	58.9	2.3
Receiver132"	56	66	55.6	0.4
Receiver133 "	58	66	57.8	0.2
Receiver134"	60	66	59.8	0.2
Receiver135"	62.4	66	62.2	0.2
Receiver136"	61.4	66	58.7	2.7
Receiver137"	63	66	62	1
Receiver138"	56.9	66	56.6	0.3
Receiver139"	57.9	66	57.6	0.3

Receiver140"	58.9	66	58.6	0.3
Receiver141"	64.5	66	64.4	0.1
Receiver142"	62.3	66	61.7	0.6
Receiver143"	58.6	66	58.3	0.3
Receiver144"	60.8	66	60.2	0.6
Receiver99 - historic"	53.7	66	52.2	1.5
Receiver103"	57.4	66	55.3	2.1
Receiver45"	55.3	66	53.8	1.5
Receiver100"	53.7	66	52.3	1.4