

INPUT: BARRIERS

I-215/Barton Road Interchange

LSA Associates, Inc.	14 February 2012
Teak Kim	TNM 2.5

INPUT: BARRIERS

PROJECT/CONTRACT: I-215/Barton Road Interchange
 RUN: ALT 6

Barrier									Points										
Name	Type	Height		If Wall	If Berm			Add'tnl	Name	No.	Coordinates (bottom)			Height	Segment				
		Min	Max	\$ per	\$ per	Top	Run:Rise	\$ per			X	Y	Z	at	Seg	Ht	Perturbs	On	Important
				Unit	Unit	Width		Unit						Point	Incre-	#Up	#Dn	Struct?	Reflec-
		ft	ft	Area	Vol.		ft:ft	Length			ft	ft	ft	ft	ment				tions?
				\$/sq ft	\$/cu yd			\$/ft											
Existing Wall 5a	W	0.00	99.99	0.00				0.00	point1	1	6,765,620.0	1,836,382.8	976.00	5.30	0.00	0	0		
									point2	2	6,765,864.0	1,836,319.2	978.00	5.30					
Existing Wall 5b	W	0.00	99.99	0.00				0.00	point12	12	6,765,864.0	1,836,319.2	978.00	6.00	0.00	0	0		
									point3	3	6,765,829.5	1,836,147.2	979.00	6.00	0.00	0	0		
									point4	4	6,765,796.0	1,835,975.8	980.00	6.00	0.00	0	0		
									point5	5	6,765,763.5	1,835,803.6	981.00	6.00	0.00	0	0		
									point6	6	6,765,763.5	1,835,768.5	981.00	6.00	0.00	0	0		
									point7	7	6,765,732.5	1,835,698.8	981.00	6.00	0.00	0	0		
									point8	8	6,765,730.0	1,835,678.2	981.00	6.00	0.00	0	0		
									point9	9	6,765,662.0	1,835,503.8	980.00	6.00	0.00	0	0		
									point10	10	6,765,646.5	1,835,439.5	979.00	6.00	0.00	0	0		
									point11	11	6,765,594.5	1,835,438.2	980.00	6.00					
Existing Wall 4a	W	0.00	99.99	0.00				0.00	point13	13	6,765,869.5	1,836,346.2	979.00	8.00	0.00	0	0		
									point14	14	6,765,916.0	1,836,333.8	981.00	8.00	0.00	0	0		
									point15	15	6,765,915.0	1,836,327.8	979.00	8.00	0.00	0	0		
									point16	16	6,766,063.5	1,836,287.8	983.00	8.00					
Existing Wall 4b	W	0.00	99.99	0.00				0.00	point97	97	6,766,063.5	1,836,287.8	983.00	12.60	0.00	0	0		
									point96	96	6,766,033.0	1,836,126.5	983.00	12.60	0.00	0	0		
									point20	20	6,765,983.5	1,835,896.2	983.50	12.60					
Existing Wall 8	W	0.00	99.99	0.00				0.00	point21	21	6,767,611.0	1,837,334.2	1,022.00	5.30	0.00	0	0		
									point22	22	6,767,553.0	1,837,234.8	1,020.00	5.30	0.00	0	0		
									point23	23	6,767,487.5	1,837,125.2	1,017.00	5.30	0.00	0	0		
									point24	24	6,767,378.5	1,836,937.0	1,011.00	5.30	0.00	0	0		
									point25	25	6,767,307.5	1,836,819.0	1,009.00	5.30	0.00	0	0		
									point26	26	6,767,281.0	1,836,834.0	1,009.00	5.30	0.00	0	0		
									point27	27	6,767,278.0	1,836,829.9	1,009.00	5.30	0.00	0	0		
									point28	28	6,767,208.5	1,836,870.8	1,009.00	5.30	0.00	0	0		
									point29	29	6,767,191.5	1,836,819.8	1,004.00	5.30					
Existing Wall 7	W	0.00	99.99	0.00				0.00	point30	30	6,767,180.5	1,836,792.1	1,003.20	5.30	0.00	0	0		
									point31	31	6,767,171.0	1,836,693.8	998.00	5.30	0.00	0	0		
									point32	32	6,767,163.5	1,836,607.9	996.50	5.30	0.00	0	0		
									point33	33	6,767,096.0	1,836,615.8	992.80	5.30					
Bulding Barrier 7	W	0.00	99.99	0.00				0.00	point44	44	6,767,050.0	1,836,050.0	1,001.00	15.00	0.00	0	0		
									point45	45	6,767,159.5	1,835,772.5	1,002.00	15.00					
Building Barrier 14	W	0.00	99.99	0.00				0.00	point83	83	6,765,886.5	1,835,926.6	981.00	15.00	0.00	0	0		

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									point84	84	6,765,879.0	1,835,875.9	981.00	15.00				
Building Barrier 6	W	0.00	99.99	0.00			0.00	point89	89	6,766,954.5	1,836,000.5	998.00	15.00	0.00	0	0		
								point90	90	6,767,044.5	1,836,034.0	1,001.00	15.00	0.00	0	0		
								point91	91	6,767,086.0	1,835,921.8	1,001.00	15.00	0.00	0	0		
								point92	92	6,767,042.0	1,835,904.8	999.00	15.00	0.00	0	0		
								point93	93	6,767,018.5	1,835,968.4	999.00	15.00	0.00	0	0		
								point94	94	6,766,972.5	1,835,953.4	998.00	15.00	0.00	0	0		
								point96	95	6,766,954.5	1,836,000.5	998.00	15.00					
Building Barrier 1	W	0.00	99.99	0.00			0.00	point101	101	6,766,050.5	1,835,010.0	975.00	25.00	0.00	0	0		
								point100	100	6,766,152.5	1,835,101.9	975.00	25.00					
Building Barrier 2	W	0.00	99.99	0.00			0.00	point104	104	6,766,357.5	1,835,106.0	977.00	25.00	0.00	0	0		
								point103	103	6,766,379.0	1,835,124.9	977.00	25.00	0.00	0	0		
								point102	102	6,766,472.0	1,835,131.4	977.00	25.00					
Building Barrier 3	W	0.00	99.99	0.00			0.00	point107	107	6,766,508.0	1,835,099.4	985.00	25.00	0.00	0	0		
								point106	106	6,766,507.0	1,835,198.8	985.00	25.00	0.00	0	0		
								point105	105	6,766,791.5	1,835,202.0	985.00	25.00					
Building Barrier 4	W	0.00	99.99	0.00			0.00	point110	110	6,766,722.5	1,835,216.2	990.00	20.00	0.00	0	0		
								point109	109	6,766,720.5	1,835,273.1	990.00	20.00	0.00	0	0		
								point108	108	6,766,808.5	1,835,276.2	990.00	20.00					
Building Barrier 22	W	0.00	99.99	0.00			0.00	point123	123	6,765,362.5	1,836,146.8	971.00	15.00	0.00	0	0		
								point122	122	6,765,359.5	1,836,207.0	971.00	15.00					
Building Barrier 23	W	0.00	99.99	0.00			0.00	point125	125	6,765,434.5	1,836,239.1	972.00	15.00	0.00	0	0		
								point124	124	6,765,445.5	1,836,298.2	972.00	15.00					
Building Barrier 24	W	0.00	99.99	0.00			0.00	point127	127	6,765,464.0	1,836,324.2	971.80	15.00	0.00	0	0		
								point126	126	6,765,473.0	1,836,362.2	971.80	15.00					
Building Barrier 5	W	0.00	99.99	0.00			0.00	point129	129	6,768,092.5	1,835,263.4	1,022.00	15.00	0.00	0	0		
								point128	128	6,768,134.5	1,835,263.8	1,022.00	15.00					
Building Barrier 8	W	0.00	99.99	0.00			0.00	point131	131	6,767,727.5	1,835,604.6	1,009.00	15.00	0.00	0	0		
								point130	130	6,767,804.0	1,835,605.8	1,009.00	15.00					
Building Barrier 9	W	0.00	99.99	0.00			0.00	point133	133	6,767,833.5	1,835,514.8	1,012.00	15.00	0.00	0	0		
								point132	132	6,767,893.0	1,835,513.5	1,012.00	15.00					
Building Barrier 11	W	0.00	99.99	0.00			0.00	point137	137	6,768,044.5	1,835,564.4	1,018.00	15.00	0.00	0	0		
								point136	136	6,768,106.0	1,835,546.8	1,018.00	15.00					
Building Barrier 12	W	0.00	99.99	0.00			0.00	point139	139	6,768,178.0	1,835,579.8	1,021.00	15.00	0.00	0	0		
								point138	138	6,768,181.5	1,835,514.8	1,021.00	15.00					
Building Barrier 13	W	0.00	99.99	0.00			0.00	point141	141	6,768,269.0	1,835,583.4	1,024.00	15.00	0.00	0	0		
								point140	140	6,768,297.5	1,835,584.5	1,024.00	15.00					
Building Barrier 15	W	0.00	99.99	0.00			0.00	point143	143	6,765,335.5	1,835,452.5	969.00	15.00	0.00	0	0		
								point142	142	6,765,334.5	1,835,495.2	969.00	15.00					
Building Barrier 16	W	0.00	99.99	0.00			0.00	point145	145	6,765,348.0	1,835,616.6	967.00	15.00	0.00	0	0		
								point144	144	6,765,348.0	1,835,659.4	967.00	15.00					
Building Barrier 17	W	0.00	99.99	0.00			0.00	point147	147	6,765,345.0	1,835,696.2	967.00	15.00	0.00	0	0		
								point146	146	6,765,344.0	1,835,747.4	967.00	15.00					
Building Barrier 18	W	0.00	99.99	0.00			0.00	point149	149	6,765,329.0	1,835,780.8	967.50	15.00	0.00	0	0		
								point148	148	6,765,328.0	1,835,829.5	967.50	15.00					
Building Barrier 19	W	0.00	99.99	0.00			0.00	point151	151	6,765,375.0	1,835,894.9	968.00	15.00	0.00	0	0		
								point150	150	6,765,373.0	1,835,940.1	968.00	15.00					
Building Barrier 20	W	0.00	99.99	0.00			0.00	point153	153	6,765,416.5	1,835,958.0	970.00	15.00	0.00	0	0		
								point152	152	6,765,421.5	1,835,986.5	970.00	15.00					

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Building Barrier 21	W	0.00	99.99	0.00				0.00	point155	155	6,765,417.0	1,836,053.8	970.50	15.00	0.00	0	0		
									point154	154	6,765,431.0	1,836,120.9	970.50	15.00					
Building Barrier 25	W	0.00	99.99	0.00				0.00	point157	157	6,765,485.5	1,836,373.8	971.80	15.00	0.00	0	0		
									point156	156	6,765,488.5	1,836,414.1	971.80	15.00					
Building Barrier 26	W	0.00	99.99	0.00				0.00	point159	159	6,765,481.5	1,836,423.1	972.50	15.00	0.00	0	0		
									point158	158	6,765,481.5	1,836,477.8	972.50	15.00					
Building Barrier 27	W	0.00	99.99	0.00				0.00	point161	161	6,765,488.0	1,836,500.4	973.50	15.00	0.00	0	0		
									point160	160	6,765,501.0	1,836,565.8	973.50	15.00					
Building Barrier 28	W	0.00	99.99	0.00				0.00	point163	163	6,765,479.5	1,836,628.8	975.00	15.00	0.00	0	0		
									point162	162	6,765,491.5	1,836,710.2	975.00	15.00					
Building Barrier 29	W	0.00	99.99	0.00				0.00	point165	165	6,765,541.0	1,836,756.8	976.50	15.00	0.00	0	0		
									point164	164	6,765,558.5	1,836,831.6	976.50	15.00					
Building Barrier 30	W	0.00	99.99	0.00				0.00	point167	167	6,765,579.0	1,836,884.0	978.00	15.00	0.00	0	0		
									point166	166	6,765,590.0	1,836,938.8	978.00	15.00					
Building Barrier 31	W	0.00	99.99	0.00				0.00	point169	169	6,765,569.0	1,836,979.1	979.00	15.00	0.00	0	0		
									point168	168	6,765,577.0	1,837,024.2	979.00	15.00					
SB No. 15	W	0.00	99.99	0.00				0.00	point449	272	6,767,387.5	1,836,950.8	1,011.00	6.00	2.00	5	0		
									point25	273	6,767,348.0	1,836,884.0	1,010.00	6.00	2.00	5	0		
									point26	274	6,767,308.0	1,836,817.2	1,009.00	6.00	2.00	5	0		
									point446	275	6,767,281.5	1,836,832.2	1,009.00	6.00	2.00	5	0		
									point447	451	6,767,278.0	1,836,828.8	1,009.00	6.00	2.00	5	0		
									point448	452	6,767,209.0	1,836,868.6	1,007.00	6.00					
Existing wall 9	W	0.00	99.99	0.00				0.00	point97	287	6,766,520.5	1,835,483.8	986.00	6.00	0.00	0	0		
									point98	288	6,766,552.0	1,835,438.2	986.00	6.00	0.00	0	0		
									point99	289	6,766,680.5	1,835,440.1	987.00	6.00	0.00	0	0		
									point100	290	6,766,789.5	1,835,442.2	989.00	6.00	0.00	0	0		
									point101	291	6,766,909.5	1,835,440.9	993.00	6.00	0.00	0	0		
									point102	292	6,767,024.0	1,835,443.5	996.00	6.00					
Building Barrier 10	W	0.00	99.99	0.00				0.00	point126	301	6,767,945.0	1,835,556.1	1,015.00	15.00	0.00	0	0		
									point125	302	6,768,006.5	1,835,555.0	1,015.00	15.00					
Existing Wall 6	W	0.00	99.99	0.00				0.00	point121	303	6,767,308.5	1,836,361.8	1,009.00	6.00	0.00	0	0		
									point120	304	6,767,257.5	1,836,378.1	1,006.00	6.00	0.00	0	0		
									point119	305	6,767,311.5	1,836,437.0	1,007.20	6.00					
Existing Wall 6	W	0.00	99.99	0.00				0.00	point252	306	6,767,311.5	1,836,437.0	1,007.20	7.00	0.00	0	0		
									point118	307	6,767,337.5	1,836,424.8	1,009.00	7.00	0.00	0	0		
									point117	308	6,767,370.5	1,836,489.2	1,009.20	7.00	0.00	0	0		
									point116	309	6,767,383.5	1,836,494.4	1,009.20	7.00					
Existing Wall 6	W	0.00	99.99	0.00				0.00	point253	310	6,767,383.5	1,836,494.4	1,009.20	6.00	0.00	0	0		
									point115	311	6,767,440.0	1,836,538.4	1,010.00	6.00	0.00	0	0		
									point114	312	6,767,433.5	1,836,545.9	1,010.00	6.00	0.00	0	0		
									point113	313	6,767,489.0	1,836,604.6	1,009.00	6.00	0.00	0	0		
									point217	314	6,767,490.5	1,836,601.6	1,009.30	6.00	0.00	0	0		
									point218	315	6,767,515.0	1,836,627.5	1,010.00	6.00	0.00	0	0		
									point219	316	6,767,518.5	1,836,635.2	1,010.00	6.00	0.00	0	0		
									point220	317	6,767,536.5	1,836,655.9	1,009.00	6.00	0.00	0	0		
									point221	318	6,767,534.5	1,836,658.5	1,009.00	6.00	0.00	0	0		
									point245	319	6,767,540.0	1,836,664.6	1,009.00	6.00	0.00	0	0		
									point246	320	6,767,609.5	1,836,623.9	1,012.30	6.00	0.00	0	0		
									point247	321	6,767,664.5	1,836,734.8	1,012.30	6.00	0.00	0	0		

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									point248	322	6,767,627.0	1,836,757.2	1,011.00	6.00	0.00	0	0		
									point249	323	6,767,675.5	1,836,811.1	1,011.00	6.00					
Existing Wall 6	W	0.00	99.99	0.00			0.00		point255	324	6,767,729.5	1,836,868.9	1,013.00	5.00	0.00	0	0		
									point251	325	6,767,816.0	1,836,961.2	1,016.00	5.00					
Existing Wall 6	W	0.00	99.99	0.00			0.00		point256	326	6,767,675.5	1,836,811.1	1,011.00	5.00	0.00	0	0		
									point250	327	6,767,715.0	1,836,788.8	1,013.50	5.00					
SB No. 12b	W	0.00	99.99	0.00			0.00		point342	342	6,767,335.0	1,836,504.0	1,005.00	6.00	2.00	5	0		
									point343	343	6,767,422.0	1,836,600.2	1,004.50	6.00	2.00	5	0		
									point344	344	6,767,489.0	1,836,673.1	1,006.50	6.00	2.00	5	0		
									point345	345	6,767,578.5	1,836,768.8	1,008.00	6.00	2.00	5	0		
									point346	346	6,767,676.0	1,836,874.0	1,008.30	6.00	2.00	5	0		
									point405	405	6,767,701.0	1,836,900.6	1,008.72	6.00					
SB No. 12a	W	0.00	99.99	0.00			0.00		point351	351	6,766,547.5	1,835,441.2	986.00	6.00	2.00	5	0		
									point352	352	6,766,510.0	1,835,491.2	986.00	6.00	2.00	5	0		
									point353	353	6,766,564.0	1,835,563.2	986.00	6.00	2.00	5	0		
									point354	354	6,766,624.0	1,835,644.1	987.70	6.00	2.00	5	0		
									point355	355	6,766,680.0	1,835,719.8	989.00	6.00	2.00	5	0		
									point356	356	6,766,748.0	1,835,811.5	990.70	6.00	2.00	5	0		
									point357	357	6,766,810.0	1,835,891.2	992.70	6.00	2.00	5	0		
									point358	358	6,766,876.0	1,835,968.1	995.30	6.00	2.00	5	0		
									point359	359	6,766,940.0	1,836,042.8	997.30	6.00	2.00	5	0		
									point360	360	6,767,005.0	1,836,117.9	1,000.00	6.00	2.00	5	0		
									point361	361	6,767,057.0	1,836,178.4	1,002.00	6.00	2.00	5	0		
									point362	362	6,767,125.5	1,836,253.0	1,004.00	6.00	2.00	5	0		
									point363	363	6,767,199.0	1,836,332.2	1,004.50	6.00	2.00	5	0		
									point364	364	6,767,265.0	1,836,403.6	1,005.70	6.00	2.00	5	0		
									point365	365	6,767,327.5	1,836,471.1	1,007.00	6.00	2.00	5	0		
									point366	366	6,767,360.0	1,836,505.8	1,007.00	6.00	2.00	5	0		
									point367	367	6,767,405.0	1,836,542.0	1,007.00	6.00					
SB No. 14	W	0.00	99.99	0.00			0.00		point402	402	6,767,558.5	1,836,978.4	1,014.00	6.00	2.00	5	0		
									point335	335	6,767,530.0	1,836,948.0	1,013.00	6.00	2.00	5	0		
									point336	336	6,767,464.0	1,836,876.6	1,009.50	6.00	2.00	5	0		
									point337	337	6,767,375.0	1,836,781.2	1,005.00	6.00	2.00	5	0		
									point338	338	6,767,272.0	1,836,670.2	999.70	6.00	2.00	5	0		
									point368	368	6,767,206.0	1,836,599.1	995.00	6.00	2.00	5	0		
									point369	369	6,767,146.5	1,836,535.0	996.00	6.00	2.00	5	0		
									point370	370	6,767,125.5	1,836,512.1	998.50	6.00	2.00	5	0		
									point371	371	6,767,015.0	1,836,411.1	1,000.50	6.00	2.00	5	0		
									point446	446	6,766,903.5	1,836,312.2	999.30	6.00	2.00	5	0		
									point447	447	6,766,799.5	1,836,219.5	996.30	6.00	2.00	5	0		
									point448	448	6,766,692.5	1,836,182.0	994.50	6.00	2.00	5	0		
									point449	449	6,766,634.0	1,836,154.2	993.50	6.00	2.00	5	0		
									point450	450	6,766,599.0	1,836,139.1	993.50	6.00					
SB No. 16	W	0.00	99.99	0.00			0.00		point411	411	6,767,100.5	1,836,209.1	1,004.00	6.00	2.00	5	0		
									point412	412	6,767,136.5	1,836,250.6	1,004.00	6.00	2.00	5	0		
									point413	413	6,767,211.5	1,836,328.8	1,005.00	6.00	2.00	5	0		
									point432	432	6,767,233.0	1,836,352.5	1,005.30	6.00	2.00	5	0		
									point436	436	6,767,257.0	1,836,377.9	1,006.00	6.00	2.00	5	0		
									point437	437	6,767,308.5	1,836,361.2	1,009.00	6.00					

INPUT: BARRIERS

I-215/Barton Road Interchange

SB No. 13	W	0.00	99.99	0.00				0.00	point477	477	6,765,990.0	1,835,930.5	983.00	6.00	2.00	5	0		
									point476	476	6,765,953.5	1,835,882.2	981.00	6.00	2.00	5	0		
									point475	475	6,765,926.5	1,835,839.2	981.00	6.00	2.00	5	0		
									point474	474	6,765,905.5	1,835,784.4	983.00	6.00	2.00	5	0		
									point473	473	6,765,889.0	1,835,720.8	983.00	6.00	2.00	5	0		
									point472	472	6,765,877.5	1,835,656.4	982.00	6.00	2.00	5	0		
									point471	471	6,765,864.5	1,835,586.2	984.00	6.00	2.00	5	0		
									point470	470	6,765,849.0	1,835,524.2	983.00	6.00	2.00	5	0		
									point469	469	6,765,835.5	1,835,454.9	981.50	6.00	2.00	5	0		
									point468	468	6,765,752.0	1,835,438.5	978.90	6.00	2.00	5	0		
									point467	467	6,765,696.0	1,835,438.2	977.50	6.00	2.00	5	0		
									point441	441	6,765,608.0	1,835,437.2	978.00	6.00	2.00	5	0		
									point442	442	6,765,544.5	1,835,437.6	979.30	6.00	2.00	5	0		
									point443	443	6,765,492.5	1,835,435.8	978.00	6.00	2.00	5	0		
									point444	444	6,765,451.5	1,835,436.4	976.70	6.00	2.00	5	0		
									point445	445	6,765,430.0	1,835,461.5	975.00	6.00					
SB No. 11a	W	0.00	99.99	0.00				0.00	point455	455	6,764,523.0	1,833,455.1	939.10	6.00	2.00	5	0		
									point456	456	6,764,765.0	1,833,687.2	947.00	6.00	2.00	5	0		
									point457	457	6,764,915.0	1,833,818.0	947.00	6.00	2.00	5	0		
									point458	458	6,765,064.0	1,833,956.2	952.80	6.00	2.00	5	0		
									point459	459	6,765,210.0	1,834,088.1	956.50	6.00	2.00	5	0		
									point460	460	6,765,356.0	1,834,219.5	958.90	6.00	2.00	5	0		
									point461	461	6,765,435.5	1,834,258.0	960.10	6.00	2.00	5	0		
									point462	462	6,765,526.0	1,834,286.2	962.00	6.00	2.00	5	0		
									point463	463	6,765,620.5	1,834,283.1	963.80	6.00	2.00	5	0		
									point464	464	6,765,721.0	1,834,283.2	965.20	6.00	2.00	5	0		
									point454	454	6,765,821.5	1,834,285.0	967.90	6.00					
SB No. 11b	W	0.00	99.99	0.00				0.00	point466	466	6,764,460.5	1,833,366.4	942.00	6.00	2.00	5	0		
									point465	465	6,764,591.5	1,833,507.2	947.70	6.00					
SB No. 15::point449		0.00																	
SB No. 15::point25		0.00																	
SB No. 15::point26		0.00																	
SB No. 15::point446		0.00																	
SB No. 15::point447		0.00																	
SB No. 15::point448		0.00																	

RESULTS: BARRIER DESCRIPTIONS

I-215/Barton Road Interchange

LSA Associates, Inc.				14 February 2012						
Teak Kim				TNM 2.5						

RESULTS: BARRIER DESCRIPTIONS

PROJECT/CONTRACT:	I-215/Barton Road Interchange									
RUN:	ALT 6									
BARRIER DESIGN:	INPUT HEIGHTS									

Barriers										
Name	Type	Heights along Barrier			Length	If Wall	If Berm	Top	Run:Rise	Cost
		Min	Avg	Max						
		ft	ft	ft	ft	sq ft	cu yd	ft	ft:ft	\$
Existing Wall 5a	W	5.30	5.30	5.30	252	1336				0
Existing Wall 5b	W	6.00	6.00	6.00	963	5777				0
Existing Wall 4a	W	8.00	8.00	8.00	208	1664				0
Existing Wall 4b	W	12.60	12.60	12.60	400	5035				0
Existing Wall 8	W	5.30	5.30	5.30	768	4070				0
Existing Wall 7	W	5.30	5.30	5.30	253	1341				0
Bulding Barrier 7	W	15.00	15.00	15.00	298	4475				0
Building Barrier 14	W	15.00	15.00	15.00	51	770				0
Building Barrier 6	W	15.00	15.00	15.00	430	6443				0
Building Barrier 1	W	25.00	25.00	25.00	137	3432				0
Building Barrier 2	W	25.00	25.00	25.00	122	3046				0
Building Barrier 3	W	25.00	25.00	25.00	384	9597				0
Building Barrier 4	W	20.00	20.00	20.00	145	2899				0
Building Barrier 22	W	15.00	15.00	15.00	60	905				0
Building Barrier 23	W	15.00	15.00	15.00	60	902				0
Building Barrier 24	W	15.00	15.00	15.00	39	586				0
Building Barrier 5	W	15.00	15.00	15.00	42	630				0
Building Barrier 8	W	15.00	15.00	15.00	77	1148				0
Building Barrier 9	W	15.00	15.00	15.00	60	893				0
Building Barrier 11	W	15.00	15.00	15.00	64	960				0
Building Barrier 12	W	15.00	15.00	15.00	65	976				0
Building Barrier 13	W	15.00	15.00	15.00	29	428				0
Building Barrier 15	W	15.00	15.00	15.00	43	641				0

RESULTS: BARRIER DESCRIPTIONS

I-215/Barton Road Interchange

Building Barrier 16	W	15.00	15.00	15.00	43	641				0
Building Barrier 17	W	15.00	15.00	15.00	51	767				0
Building Barrier 18	W	15.00	15.00	15.00	49	731				0
Building Barrier 19	W	15.00	15.00	15.00	45	679				0
Building Barrier 20	W	15.00	15.00	15.00	29	434				0
Building Barrier 21	W	15.00	15.00	15.00	69	1029				0
Building Barrier 25	W	15.00	15.00	15.00	40	607				0
Building Barrier 26	W	15.00	15.00	15.00	55	819				0
Building Barrier 27	W	15.00	15.00	15.00	67	1000				0
Building Barrier 28	W	15.00	15.00	15.00	82	1236				0
Building Barrier 29	W	15.00	15.00	15.00	77	1153				0
Building Barrier 30	W	15.00	15.00	15.00	56	838				0
Building Barrier 31	W	15.00	15.00	15.00	46	687				0
SB No. 15	W	6.00	6.00	6.00	270	1623				0
Existing wall 9	W	6.00	6.00	6.00	527	3164				0
Building Barrier 10	W	15.00	15.00	15.00	62	923				0
Existing Wall 6	W	6.00	6.00	6.00	133	801				0
Existing Wall 6	W	7.00	7.00	7.00	115	806				0
Existing Wall 6	W	6.00	6.00	6.00	569	3416				0
Existing Wall 6	W	5.00	5.00	5.00	127	633				0
Existing Wall 6	W	5.00	5.00	5.00	45	227				0
SB No. 12b	W	6.00	6.00	6.00	540	3238				0
SB No. 12a	W	6.00	6.00	6.00	1445	8671				0
SB No. 14	W	6.00	6.00	6.00	1291	7744				0
SB No. 16	W	6.00	6.00	6.00	284	1706				0
SB No. 13	W	6.00	6.00	6.00	926	5555				0
SB No. 11a	W	6.00	6.00	6.00	1609	9657				0
SB No. 11b	W	6.00	6.00	6.00	192	1154				0
									Total Cost:	0

RESULTS: BARRIER-SEGMENT DESCRIPTIONS

I-215/Barton Road Interchange

LSA Associates, Inc.												14 February 2012
Teak Kim												TNM 2.5

RESULTS: BARRIER-SEGMENT DESCRIPTIONS

PROJECT/CONTRACT: I-215/Barton Road Interchange

RUN: ALT 6

BARRIER DESIGN: INPUT HEIGHTS

Barriers		Segments					Length	If Wall	If Berm	Cost		
Name	Type	Name	No.	Heights	Average	Second Point					Area	On Struc?
				First Point	ft	ft	ft	sq ft			cu yd	\$
Existing Wall 5a	W	point1	1	5.30	5.30	5.30	252	1336				0
Existing Wall 5b	W	point12	12	6.00	6.00	6.00	175	1053				0
		point3	3	6.00	6.00	6.00	175	1048				0
		point4	4	6.00	6.00	6.00	175	1051				0
		point5	5	6.00	6.00	6.00	35	211				0
		point6	6	6.00	6.00	6.00	76	458				0
		point7	7	6.00	6.00	6.00	21	124				0
		point8	8	6.00	6.00	6.00	187	1124				0
		point9	9	6.00	6.00	6.00	66	397				0
		point10	10	6.00	6.00	6.00	52	312				0
Existing Wall 4a	W	point13	13	8.00	8.00	8.00	48	385				0
		point14	14	8.00	8.00	8.00	6	49				0
		point15	15	8.00	8.00	8.00	154	1230				0
Existing Wall 4b	W	point97	97	12.60	12.60	12.60	164	2068				0
		point96	96	12.60	12.60	12.60	236	2967				0
Existing Wall 8	W	point21	21	5.30	5.30	5.30	115	610				0
		point22	22	5.30	5.30	5.30	128	676				0
		point23	23	5.30	5.30	5.30	218	1153				0
		point24	24	5.30	5.30	5.30	138	730				0
		point25	25	5.30	5.30	5.30	30	161				0
		point26	26	5.30	5.30	5.30	5	27				0
		point27	27	5.30	5.30	5.30	81	427				0

RESULTS: BARRIER-SEGMENT DESCRIPTIONS

I-215/Barton Road Interchange

		point28	28	5.30	5.30	5.30	54	285				0
Existing Wall 7	W	point30	30	5.30	5.30	5.30	99	524				0
		point31	31	5.30	5.30	5.30	86	457				0
		point32	32	5.30	5.30	5.30	68	360				0
Building Barrier 7	W	point44	44	15.00	15.00	15.00	298	4475				0
Building Barrier 14	W	point83	83	15.00	15.00	15.00	51	770				0
Building Barrier 6	W	point89	89	15.00	15.00	15.00	96	1440				0
		point90	90	15.00	15.00	15.00	120	1795				0
		point91	91	15.00	15.00	15.00	47	708				0
		point92	92	15.00	15.00	15.00	68	1017				0
		point93	93	15.00	15.00	15.00	48	726				0
		point94	94	15.00	15.00	15.00	50	757				0
Building Barrier 1	W	point101	101	25.00	25.00	25.00	137	3432				0
Building Barrier 2	W	point104	104	25.00	25.00	25.00	29	715				0
		point103	103	25.00	25.00	25.00	93	2331				0
Building Barrier 3	W	point107	107	25.00	25.00	25.00	99	2485				0
		point106	106	25.00	25.00	25.00	285	7113				0
Building Barrier 4	W	point110	110	20.00	20.00	20.00	57	1138				0
		point109	109	20.00	20.00	20.00	88	1761				0
Building Barrier 22	W	point123	123	15.00	15.00	15.00	60	905				0
Building Barrier 23	W	point125	125	15.00	15.00	15.00	60	902				0
Building Barrier 24	W	point127	127	15.00	15.00	15.00	39	586				0
Building Barrier 5	W	point129	129	15.00	15.00	15.00	42	630				0
Building Barrier 8	W	point131	131	15.00	15.00	15.00	77	1148				0
Building Barrier 9	W	point133	133	15.00	15.00	15.00	60	893				0

RESULTS: BARRIER-SEGMENT DESCRIPTIONS

I-215/Barton Road Interchange

Building Barrier 11	W	point137	137	15.00	15.00	15.00	64	960				0
Building Barrier 12	W	point139	139	15.00	15.00	15.00	65	976				0
Building Barrier 13	W	point141	141	15.00	15.00	15.00	29	428				0
Building Barrier 15	W	point143	143	15.00	15.00	15.00	43	641				0
Building Barrier 16	W	point145	145	15.00	15.00	15.00	43	641				0
Building Barrier 17	W	point147	147	15.00	15.00	15.00	51	767				0
Building Barrier 18	W	point149	149	15.00	15.00	15.00	49	731				0
Building Barrier 19	W	point151	151	15.00	15.00	15.00	45	679				0
Building Barrier 20	W	point153	153	15.00	15.00	15.00	29	434				0
Building Barrier 21	W	point155	155	15.00	15.00	15.00	69	1029				0
Building Barrier 25	W	point157	157	15.00	15.00	15.00	40	607				0
Building Barrier 26	W	point159	159	15.00	15.00	15.00	55	819				0
Building Barrier 27	W	point161	161	15.00	15.00	15.00	67	1000				0
Building Barrier 28	W	point163	163	15.00	15.00	15.00	82	1236				0
Building Barrier 29	W	point165	165	15.00	15.00	15.00	77	1153				0
Building Barrier 30	W	point167	167	15.00	15.00	15.00	56	838				0
Building Barrier 31	W	point169	169	15.00	15.00	15.00	46	687				0
SB No. 15	W	point449	272	6.00	6.00	6.00	78	465				0
		point25	273	6.00	6.00	6.00	78	467				0
		point26	274	6.00	6.00	6.00	30	183				0
		point446	275	6.00	6.00	6.00	5	30				0

RESULTS: BARRIER-SEGMENT DESCRIPTIONS

I-215/Barton Road Interchange

		point447	451	6.00	6.00	6.00	80	478				0
Existing wall 9	W	point97	287	6.00	6.00	6.00	55	332				0
		point98	288	6.00	6.00	6.00	129	771				0
		point99	289	6.00	6.00	6.00	109	654				0
		point100	290	6.00	6.00	6.00	120	720				0
		point101	291	6.00	6.00	6.00	115	687				0
Building Barrier 10	W	point126	301	15.00	15.00	15.00	62	923				0
Existing Wall 6	W	point121	303	6.00	6.00	6.00	54	321				0
		point120	304	6.00	6.00	6.00	80	479				0
Existing Wall 6	W	point252	306	7.00	7.00	7.00	29	201				0
		point118	307	7.00	7.00	7.00	72	507				0
		point117	308	7.00	7.00	7.00	14	98				0
Existing Wall 6	W	point253	310	6.00	6.00	6.00	72	430				0
		point115	311	6.00	6.00	6.00	10	60				0
		point114	312	6.00	6.00	6.00	81	485				0
		point113	313	6.00	6.00	6.00	3	20				0
		point217	314	6.00	6.00	6.00	36	214				0
		point218	315	6.00	6.00	6.00	9	51				0
		point219	316	6.00	6.00	6.00	27	164				0
		point220	317	6.00	6.00	6.00	3	20				0
		point221	318	6.00	6.00	6.00	8	49				0
		point245	319	6.00	6.00	6.00	81	483				0
		point246	320	6.00	6.00	6.00	124	743				0
		point247	321	6.00	6.00	6.00	44	262				0
		point248	322	6.00	6.00	6.00	72	435				0
Existing Wall 6	W	point255	324	5.00	5.00	5.00	127	633				0
Existing Wall 6	W	point256	326	5.00	5.00	5.00	45	227				0
SB No. 12b	W	point342	342	6.00	6.00	6.00	130	778				0
		point343	343	6.00	6.00	6.00	99	594				0
		point344	344	6.00	6.00	6.00	131	786				0
		point345	345	6.00	6.00	6.00	143	861				0

RESULTS: BARRIER-SEGMENT DESCRIPTIONS

I-215/Barton Road Interchange

		point346	346	6.00	6.00	6.00	37	219				0
SB No. 12a	W	point351	351	6.00	6.00	6.00	62	375				0
		point352	352	6.00	6.00	6.00	90	540				0
		point353	353	6.00	6.00	6.00	101	604				0
		point354	354	6.00	6.00	6.00	94	565				0
		point355	355	6.00	6.00	6.00	114	685				0
		point356	356	6.00	6.00	6.00	101	606				0
		point357	357	6.00	6.00	6.00	101	608				0
		point358	358	6.00	6.00	6.00	98	590				0
		point359	359	6.00	6.00	6.00	99	596				0
		point360	360	6.00	6.00	6.00	80	479				0
		point361	361	6.00	6.00	6.00	101	608				0
		point362	362	6.00	6.00	6.00	108	649				0
		point363	363	6.00	6.00	6.00	97	583				0
		point364	364	6.00	6.00	6.00	92	552				0
		point365	365	6.00	6.00	6.00	47	285				0
		point366	366	6.00	6.00	6.00	58	347				0
SB No. 14	W	point402	402	6.00	6.00	6.00	42	250				0
		point335	335	6.00	6.00	6.00	97	583				0
		point336	336	6.00	6.00	6.00	130	783				0
		point337	337	6.00	6.00	6.00	151	909				0
		point338	338	6.00	6.00	6.00	97	582				0
		point368	368	6.00	6.00	6.00	87	525				0
		point369	369	6.00	6.00	6.00	31	186				0
		point370	370	6.00	6.00	6.00	150	898				0
		point371	371	6.00	6.00	6.00	149	894				0
		point446	446	6.00	6.00	6.00	139	836				0
		point447	447	6.00	6.00	6.00	113	680				0
		point448	448	6.00	6.00	6.00	65	388				0
		point449	449	6.00	6.00	6.00	38	229				0
SB No. 16	W	point411	411	6.00	6.00	6.00	55	330				0
		point412	412	6.00	6.00	6.00	108	650				0
		point413	413	6.00	6.00	6.00	32	192				0
		point432	432	6.00	6.00	6.00	35	210				0
		point436	436	6.00	6.00	6.00	54	325				0

RESULTS: BARRIER-SEGMENT DESCRIPTIONS

I-215/Barton Road Interchange

SB No. 13	W	point477	477	6.00	6.00	6.00	61	363				0
		point476	476	6.00	6.00	6.00	51	305				0
		point475	475	6.00	6.00	6.00	59	353				0
		point474	474	6.00	6.00	6.00	66	394				0
		point473	473	6.00	6.00	6.00	65	392				0
		point472	472	6.00	6.00	6.00	71	428				0
		point471	471	6.00	6.00	6.00	64	383				0
		point470	470	6.00	6.00	6.00	71	424				0
		point469	469	6.00	6.00	6.00	85	511				0
		point468	468	6.00	6.00	6.00	56	336				0
		point467	467	6.00	6.00	6.00	88	528				0
		point441	441	6.00	6.00	6.00	64	381				0
		point442	442	6.00	6.00	6.00	52	312				0
		point443	443	6.00	6.00	6.00	41	246				0
		point444	444	6.00	6.00	6.00	33	198				0
SB No. 11a	W	point455	455	6.00	6.00	6.00	335	2012				0
		point456	456	6.00	6.00	6.00	199	1194				0
		point457	457	6.00	6.00	6.00	203	1220				0
		point458	458	6.00	6.00	6.00	197	1180				0
		point459	459	6.00	6.00	6.00	196	1178				0
		point460	460	6.00	6.00	6.00	88	530				0
		point461	461	6.00	6.00	6.00	95	569				0
		point462	462	6.00	6.00	6.00	95	567				0
		point463	463	6.00	6.00	6.00	101	603				0
		point464	464	6.00	6.00	6.00	101	603				0
SB No. 11b	W	point466	466	6.00	6.00	6.00	192	1154				0

INPUT: BUILDING ROWS

I-215/Barton Road Interchange

LSA Associates, Inc.			14 February 2012			
Teak Kim			TNM 2.5			
INPUT: BUILDING ROWS						
PROJECT/CONTRACT:			I-215/Barton Road Interchange			
RUN:			ALT 6			
Building Row			Points			
Name	Average Height	Building Percent	No.	Coordinates (ground)		
	ft	%		X	Y	Z
				ft	ft	ft
Building 1	15.00	70	1	6,767,025.0	1,835,788.8	996.00
			2	6,767,044.5	1,835,478.4	997.00
Building9	15.00	70	22	6,765,592.0	1,835,474.4	977.50
			23	6,765,604.0	1,835,545.6	977.00
			24	6,765,624.5	1,835,612.0	977.00
			25	6,765,637.5	1,835,686.2	977.00
			26	6,765,651.5	1,835,762.1	976.00
			27	6,765,681.0	1,835,876.9	975.50
			28	6,765,697.5	1,835,994.0	976.00
			29	6,765,738.5	1,836,146.9	976.00
			40	6,765,766.5	1,836,294.5	977.00
Building10	15.00	70	30	6,765,519.5	1,835,475.2	977.50
			31	6,765,541.0	1,835,555.0	975.00
			32	6,765,561.0	1,835,615.0	975.00
			33	6,765,570.5	1,835,682.9	974.50
			34	6,765,589.5	1,835,762.4	974.00
			36	6,765,622.5	1,835,884.6	974.00
			37	6,765,635.0	1,835,995.0	974.50
			38	6,765,672.0	1,836,156.9	975.00
			39	6,765,695.0	1,836,317.1	976.00
Building11	15.00	70	41	6,767,116.5	1,836,615.1	994.00
			42	6,767,133.0	1,836,792.8	1,002.00
			48	6,767,178.5	1,836,928.8	1,008.00
			43	6,767,289.0	1,836,876.6	1,010.50

INPUT: BUILDING ROWS

I-215/Barton Road Interchange

			44	6,767,384.0	1,837,041.9	1,013.80
			45	6,767,459.5	1,837,171.1	1,016.50
			46	6,767,537.0	1,837,328.2	1,019.80
Building12	15.00	70	49	6,767,252.0	1,836,961.2	1,010.00
			50	6,767,314.0	1,837,061.5	1,013.20
			51	6,767,354.5	1,837,123.5	1,014.60
			52	6,767,394.5	1,837,188.8	1,015.70
			53	6,767,443.0	1,837,284.8	1,016.90
Building6	15.00	70	73	6,767,849.0	1,836,361.1	1,023.00
			74	6,767,766.0	1,836,525.2	1,021.00
			75	6,767,752.0	1,836,656.4	1,015.00
			76	6,767,793.5	1,836,819.4	1,015.00
			77	6,767,853.5	1,836,903.6	1,017.00
			78	6,768,046.0	1,836,891.9	1,027.00
Building7	20.00	80	79	6,768,334.0	1,836,863.1	1,039.00
			80	6,768,350.0	1,837,069.9	1,039.00
Building8	20.00	80	81	6,768,634.5	1,837,260.8	1,041.00
			82	6,768,640.0	1,837,460.0	1,041.00
Building3	15.00	50	83	6,767,491.0	1,835,936.8	1,013.00
			84	6,767,511.5	1,836,192.4	1,014.00
Building4	15.00	80	111	6,767,639.0	1,836,566.8	1,013.50
			92	6,767,663.0	1,836,524.9	1,014.00
			93	6,767,683.5	1,836,473.0	1,014.00
			94	6,767,665.5	1,836,433.1	1,014.50
			95	6,767,597.0	1,836,386.5	1,014.50
			112	6,767,575.5	1,836,365.1	1,015.00
			113	6,767,524.0	1,836,367.2	1,014.00
			114	6,767,500.5	1,836,295.2	1,013.50
Building2	15.00	75	101	6,767,332.0	1,836,142.8	1,011.00
			100	6,767,395.0	1,836,353.2	1,011.00
			99	6,767,447.5	1,836,458.5	1,011.00
			98	6,767,585.0	1,836,609.2	1,012.00
Building5	15.00	80	110	6,767,589.5	1,836,564.0	1,013.50
			109	6,767,683.5	1,836,611.1	1,015.00
			108	6,767,766.5	1,836,841.2	1,014.00
			107	6,767,837.0	1,836,901.5	1,015.00

INPUT: RECEIVERS

I-215/Barton Road Interchange

R-23	25	1	6,766,800.0	1,835,732.4	991.00	5.00	0.00	66	12.0	5.0
R-24	26	1	6,766,904.0	1,835,862.9	995.00	5.00	0.00	66	12.0	5.0
R-25	27	1	6,766,949.5	1,835,989.5	998.00	5.00	0.00	66	12.0	5.0
R-26	28	1	6,767,358.0	1,836,154.8	1,010.00	5.00	0.00	66	12.0	5.0
R-27	29	1	6,767,277.5	1,836,233.9	1,010.00	5.00	0.00	66	12.0	5.0
R-28	30	1	6,767,223.0	1,836,270.5	1,007.00	5.00	0.00	66	12.0	5.0
R-29	31	1	6,767,312.0	1,836,257.5	1,011.00	5.00	0.00	66	12.0	5.0
R-30	32	1	6,767,346.0	1,836,387.4	1,010.00	5.00	0.00	66	12.0	5.0
R-31	33	1	6,767,427.5	1,836,506.8	1,010.00	5.00	0.00	66	12.0	5.0
R-32	34	1	6,767,537.5	1,836,615.4	1,011.00	5.00	0.00	66	12.0	5.0
R-33	35	1	6,767,654.5	1,836,580.0	1,014.00	5.00	0.00	66	12.0	5.0
R-43	45	1	6,767,403.0	1,835,621.4	1,010.00	5.00	0.00	66	12.0	5.0
R-44	46	1	6,767,441.0	1,835,724.9	1,012.00	5.00	0.00	66	12.0	5.0
R-45	47	1	6,767,505.0	1,835,755.1	1,012.00	5.00	0.00	66	12.0	5.0
R-46	48	1	6,767,488.0	1,836,140.5	1,013.00	5.00	0.00	66	12.0	5.0
R-47	49	1	6,767,521.0	1,836,333.1	1,014.00	5.00	0.00	66	12.0	5.0
R-48	50	1	6,767,622.0	1,836,368.2	1,020.00	5.00	0.00	66	12.0	5.0
R-49	51	1	6,767,667.0	1,836,407.6	1,015.00	5.00	0.00	66	12.0	5.0
R-50	52	1	6,767,729.5	1,836,490.5	1,021.00	5.00	0.00	66	12.0	5.0
R-51	53	1	6,767,779.5	1,836,375.9	1,025.00	5.00	0.00	66	12.0	5.0
R-60	62	1	6,765,877.0	1,835,854.8	981.00	5.00	0.00	66	12.0	5.0
R-61	63	1	6,765,898.0	1,835,977.1	980.00	5.00	0.00	66	12.0	5.0
R-62	64	1	6,765,910.5	1,836,023.6	980.00	5.00	0.00	66	12.0	5.0
R-63	65	1	6,765,920.0	1,836,066.9	979.00	5.00	0.00	66	12.0	5.0
R-64	66	1	6,765,935.5	1,836,123.2	979.40	5.00	0.00	66	12.0	5.0
R-65	67	1	6,765,941.5	1,836,167.2	979.00	5.00	0.00	66	12.0	5.0
R-66	68	1	6,765,950.5	1,836,226.0	978.50	5.00	0.00	66	12.0	5.0
R-67	174	1	6,766,741.0	1,836,294.1	998.00	5.00	0.00	66	12.0	5.0
R-68	175	1	6,766,698.5	1,836,227.2	995.00	5.00	0.00	66	12.0	5.0
R-70	177	1	6,765,632.0	1,835,524.8	979.00	5.00	0.00	66	12.0	5.0
R-71	178	1	6,765,656.0	1,835,634.1	978.00	5.00	0.00	66	12.0	5.0
R-72	179	1	6,765,701.0	1,835,772.5	979.00	5.00	0.00	66	12.0	5.0
R-73	180	1	6,765,732.0	1,835,874.2	976.00	5.00	0.00	66	12.0	5.0
R-74	181	1	6,765,718.0	1,835,959.0	976.00	5.00	0.00	66	12.0	5.0
R-75	182	1	6,765,763.5	1,836,088.0	977.00	5.00	0.00	66	12.0	5.0
R-76	183	1	6,765,784.0	1,836,232.2	977.00	5.00	0.00	66	12.0	5.0

INPUT: RECEIVERS

I-215/Barton Road Interchange

R-77	184	1	6,765,563.5	1,835,525.6	977.00	5.00	0.00	66	12.0	5.0
R-78	185	1	6,765,587.0	1,835,635.9	975.00	5.00	0.00	66	12.0	5.0
R-79	186	1	6,765,615.0	1,835,766.5	975.00	5.00	0.00	66	12.0	5.0
R-80	187	1	6,765,658.5	1,835,877.6	975.00	5.00	0.00	66	12.0	5.0
R-81	188	1	6,765,687.0	1,836,088.9	976.00	5.00	0.00	66	12.0	5.0
R-82	189	1	6,765,712.0	1,836,247.5	977.00	5.00	0.00	66	12.0	5.0
R-83	190	1	6,765,489.5	1,835,529.0	975.00	5.00	0.00	66	12.0	5.0
R-84	191	1	6,765,536.0	1,835,642.6	974.00	5.00	0.00	66	12.0	5.0
R-85	192	1	6,765,573.5	1,835,777.5	974.00	5.00	0.00	66	12.0	5.0
R-86	193	1	6,765,568.5	1,835,881.9	974.00	5.00	0.00	66	12.0	5.0
R-87	194	1	6,765,615.0	1,835,965.9	974.00	5.00	0.00	66	12.0	5.0
R-88	195	1	6,765,612.5	1,836,106.6	974.00	5.00	0.00	66	12.0	5.0
R-89	196	1	6,765,654.0	1,836,264.4	976.00	5.00	0.00	66	12.0	5.0
R-90	197	1	6,766,453.0	1,836,433.5	992.00	5.00	0.00	66	12.0	5.0
R-91	198	1	6,766,387.0	1,836,469.0	991.00	5.00	0.00	66	12.0	5.0
R-92	199	1	6,766,320.5	1,836,505.8	989.00	5.00	0.00	66	12.0	5.0
R-93	200	1	6,765,532.5	1,836,786.1	975.00	5.00	0.00	66	12.0	5.0
R-94	201	1	6,765,459.0	1,836,690.6	975.00	5.00	0.00	66	12.0	5.0
R-95	202	1	6,765,429.5	1,836,537.6	973.00	5.00	0.00	66	12.0	5.0
R-96	203	1	6,765,440.5	1,836,442.1	972.00	5.00	0.00	66	12.0	5.0
R-97	204	1	6,765,418.5	1,836,398.0	971.00	5.00	0.00	66	12.0	5.0
R-98	205	1	6,765,426.0	1,836,349.0	971.80	5.00	0.00	66	12.0	5.0
R-99	206	1	6,765,416.0	1,836,267.4	971.00	5.00	0.00	66	12.0	5.0
R-100	207	1	6,765,310.0	1,836,184.2	971.00	5.00	0.00	66	12.0	5.0
R-101	208	1	6,765,368.0	1,836,085.5	971.00	5.00	0.00	66	12.0	5.0
R-102	209	1	6,765,362.0	1,835,984.2	969.00	5.00	0.00	66	12.0	5.0
R-103	210	1	6,765,327.0	1,835,920.5	968.00	5.00	0.00	66	12.0	5.0
R-104	211	1	6,765,297.0	1,835,826.5	968.00	5.00	0.00	66	12.0	5.0
R-105	212	1	6,765,304.0	1,835,724.1	966.00	5.00	0.00	66	12.0	5.0
R-106	213	1	6,765,306.5	1,835,636.2	967.00	5.00	0.00	66	12.0	5.0
R-107	214	1	6,765,307.5	1,835,477.2	968.00	5.00	0.00	66	12.0	5.0
R-108	215	1	6,766,541.0	1,836,707.8	991.00	5.00	0.00	66	12.0	5.0
R-109	216	1	6,766,612.0	1,836,622.0	998.00	5.00	0.00	66	12.0	5.0
R-110	217	1	6,766,720.0	1,836,587.8	995.00	5.00	0.00	66	12.0	5.0
R-111	218	1	6,766,824.0	1,836,554.8	997.00	5.00	0.00	66	12.0	5.0
R-112	219	1	6,766,929.0	1,836,453.1	1,000.00	5.00	0.00	66	12.0	5.0

INPUT: RECEIVERS**I-215/Barton Road Interchange**

R-113	220	1	6,767,159.0	1,836,632.9	996.00	5.00	0.00	66	12.0	5.0	
R-114	221	1	6,767,164.0	1,836,736.6	997.50	5.00	0.00	66	12.0	5.0	
R-115	227	1	6,767,303.5	1,836,841.5	1,010.00	5.00	0.00	66	12.0	5.0	
R-121	228	1	6,767,059.0	1,836,750.2	1,000.00	5.00	0.00	66	12.0	5.0	
R-122	229	1	6,767,191.5	1,836,881.5	1,009.00	5.00	0.00	66	12.0	5.0	
R-123	230	1	6,767,257.0	1,836,858.2	1,010.00	5.00	0.00	66	12.0	5.0	
R-124	273	1	6,767,094.5	1,836,933.1	1,007.00	5.00	0.00	66	12.0	5.0	
R-131	274	1	6,763,952.0	1,832,516.0	939.00	5.00	0.00	66	12.0	5.0	Y
R-132	275	1	6,763,508.5	1,832,790.1	931.00	5.00	0.00	66	12.0	5.0	Y
R-133	276	1	6,764,050.5	1,833,322.9	940.50	5.00	0.00	66	12.0	5.0	Y
R-134	277	1	6,765,092.0	1,833,721.5	951.50	5.00	0.00	66	12.0	5.0	Y
R-135	278	1	6,764,850.5	1,834,201.0	954.50	5.00	0.00	66	12.0	5.0	Y
R-136	279	1	6,765,410.5	1,834,805.2	966.10	5.00	0.00	66	12.0	5.0	Y
R-138	280	1	6,766,287.0	1,834,683.0	976.30	5.00	0.00	66	12.0	5.0	Y
R-139	281	1	6,765,103.0	1,835,458.5	966.00	5.00	0.00	66	12.0	5.0	Y
R-140	282	1	6,765,251.0	1,835,315.6	970.00	5.00	0.00	66	12.0	5.0	Y
R-141	283	1	6,765,497.0	1,835,284.2	975.70	5.00	0.00	66	12.0	5.0	Y
R-142	284	1	6,767,362.0	1,835,298.0	1,001.60	5.00	0.00	66	12.0	5.0	Y
R-143	285	1	6,767,765.5	1,835,318.6	1,010.00	5.00	0.00	66	12.0	5.0	Y

INPUT: ROADWAYS

I-215/Barton Road Interchange

		point970	970	6,767,565.0	1,836,816.2	1,006.80				Average
		point969	969	6,767,717.0	1,836,979.8	1,007.50				Average
		point968	968	6,767,871.0	1,837,146.5	1,007.40				Average
		point967	967	6,768,042.5	1,837,331.1	1,004.80				Average
		point966	966	6,768,195.5	1,837,495.9	1,002.30				Average
		point115	115	6,768,375.5	1,837,689.5	998.70				Average
		point114	114	6,768,528.5	1,837,853.6	995.60				Average
		point113	113	6,768,685.0	1,838,014.2	993.30				Average
		point112	112	6,768,834.0	1,838,157.8	990.10				Average
		point111	111	6,768,991.0	1,838,305.2	985.20				Average
		point110	110	6,769,163.0	1,838,454.1	979.50				Average
		point109	109	6,769,343.0	1,838,609.0	973.70				Average
		point108	108	6,769,536.5	1,838,771.2	966.90				
I-215 SB Lane 3	12.0	point1054	1054	6,769,492.5	1,838,810.1	967.00				Average
		point1053	1053	6,769,298.0	1,838,648.0	973.60				Average
		point1052	1052	6,769,120.0	1,838,495.2	979.80				Average
		point1051	1051	6,768,947.5	1,838,345.2	985.60				Average
		point1050	1050	6,768,791.0	1,838,197.2	990.80				Average
		point1049	1049	6,768,642.0	1,838,053.2	993.50				Average
		point1048	1048	6,768,486.0	1,837,892.1	996.00				Average
		point1047	1047	6,768,329.5	1,837,726.0	998.70				Average
		point1046	1046	6,768,152.0	1,837,534.1	1,002.00				Average
		point1045	1045	6,768,000.0	1,837,368.9	1,004.60				Average
		point1044	1044	6,767,826.0	1,837,182.5	1,007.00				Average
		point1043	1043	6,767,673.5	1,837,018.0	1,007.30				Average
		point1042	1042	6,767,522.0	1,836,855.2	1,007.10				Average
		point1041	1041	6,767,361.5	1,836,681.6	1,006.40				Average
		point1040	1040	6,767,176.5	1,836,483.1	1,004.10				Average
		point1039	1039	6,766,996.0	1,836,287.2	999.10				Average
		point1038	1038	6,766,833.5	1,836,111.8	992.10				Average
		point1037	1037	6,766,695.0	1,835,961.9	984.90				Average
		point1036	1036	6,766,522.0	1,835,775.2	976.10				Average
		point1035	1035	6,766,353.5	1,835,594.2	967.90				Average
		point1034	1034	6,766,139.0	1,835,364.2	963.10				Average
		point1033	1033	6,766,004.5	1,835,218.9	963.00				Average
		point1032	1032	6,765,841.5	1,835,043.2	962.30				Average
		point1031	1031	6,765,653.0	1,834,838.2	961.80				Average
		point1030	1030	6,765,479.5	1,834,651.9	961.20				Average
		point1029	1029	6,765,297.0	1,834,456.8	960.40				Average

INPUT: ROADWAYS

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		point1028	1028	6,765,129.0	1,834,275.1	959.10				Average	
		point1027	1027	6,764,965.5	1,834,098.2	955.20				Average	
		point1026	1026	6,764,824.5	1,833,946.8	948.90				Average	
		point257	257	6,764,655.0	1,833,764.4	940.00				Average	
		point256	256	6,764,505.5	1,833,602.9	932.10				Average	
		point255	255	6,764,367.5	1,833,454.1	925.10				Average	
		point254	254	6,764,184.0	1,833,255.2	919.20				Average	
		point253	253	6,764,018.5	1,833,072.5	917.90				Average	
		point252	252	6,763,856.5	1,832,885.2	916.80				Average	
		point251	251	6,763,703.5	1,832,694.2	916.00				Average	
		point250	250	6,763,553.5	1,832,493.9	915.20				Average	
		point436	436	6,763,365.5	1,832,244.2	915.20					
Barton EB (Cadena to Grand Terrace)	18.0	point260	260	6,764,014.5	1,835,366.6	953.90				Average	
		point421	421	6,764,147.0	1,835,369.2	953.00				Average	
		point259	259	6,764,491.5	1,835,373.8	965.50				Average	
		point258	258	6,764,793.5	1,835,371.9	979.70					
Barton EB	24.0	point1538	1538	6,764,793.5	1,835,371.9	979.70				Average	
		point1537	1537	6,764,806.0	1,835,371.8	979.70				Average	
		point1536	1536	6,764,906.5	1,835,373.1	977.50				Average	
		point1535	1535	6,765,006.0	1,835,375.0	973.50				Average	
		point1534	1534	6,765,106.5	1,835,374.2	972.00				Average	
		point2328	2328	6,765,207.5	1,835,364.5	971.50				Average	
		point1533	1533	6,765,308.0	1,835,358.8	972.00					
Barton EB (SB Ramps to Michigan)	24.0	point1539	1539	6,765,839.5	1,835,361.1	984.00	Signal	0.00	100	Average	
		point1075	1075	6,765,985.5	1,835,359.0	986.40				Average	Y
		point1074	1074	6,766,108.0	1,835,360.9	988.80				Average	Y
		point1073	1073	6,766,205.5	1,835,361.2	989.80				Average	Y
		point1072	1072	6,766,304.0	1,835,362.5	990.00				Average	Y
		point304	304	6,766,406.0	1,835,364.6	989.30				Average	
		point432	432	6,766,506.5	1,835,364.8	988.50				Average	
		point303	303	6,766,607.0	1,835,366.0	988.50					
Barton EB (East of Michigan)	24.0	point1557	1557	6,767,178.5	1,835,370.2	997.50	Signal	0.00	100	Average	
		point1603	1603	6,767,221.0	1,835,370.8	1,001.00				Average	
		point1604	1604	6,767,275.5	1,835,370.2	999.70				Average	
		point1556	1556	6,767,323.5	1,835,372.9	1,000.30				Average	
		point1555	1555	6,767,406.5	1,835,373.1	1,002.00				Average	
		point1554	1554	6,767,506.5	1,835,375.0	1,003.50				Average	
		point1553	1553	6,767,606.5	1,835,375.5	1,006.50				Average	
		point1552	1552	6,767,705.5	1,835,376.9	1,008.70				Average	

INPUT: ROADWAYS

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		point1551	1551	6,767,807.5	1,835,378.0	1,011.00				Average	
		point1550	1550	6,767,906.0	1,835,379.4	1,014.50				Average	
		point1549	1549	6,768,005.5	1,835,386.1	1,017.00				Average	
		point1548	1548	6,768,106.5	1,835,394.5	1,018.90				Average	
		point1547	1547	6,768,205.5	1,835,396.4	1,021.00				Average	
		point1546	1546	6,768,305.5	1,835,397.4	1,024.00				Average	
		point1545	1545	6,768,405.5	1,835,398.8	1,026.70				Average	
		point1544	1544	6,768,505.5	1,835,399.2	1,029.40				Average	
		point1543	1543	6,768,740.0	1,835,398.1	1,029.00				Average	
		point1542	1542	6,768,978.0	1,835,401.8	1,029.00				Average	
		point398	1077	6,769,179.5	1,835,403.4	1,029.00				Average	
		point399	399	6,769,415.5	1,835,405.1	1,029.00				Average	
		point403	403	6,769,592.5	1,835,404.1	1,029.00					
Barton WB (Cadena to Grand Terrace)	18.0	point337	337	6,764,792.5	1,835,387.9	980.00				Average	
		point336	336	6,764,491.5	1,835,388.1	965.40				Average	
		point335	335	6,764,147.5	1,835,388.1	953.50				Average	
		point334	334	6,764,014.5	1,835,393.6	953.90					
Barton WB (Grand Terrace to SB Ramp)	36.0	point1583	1583	6,765,985.5	1,835,412.9	986.40	Signal	0.00	100	Average	
		point1595	1595	6,765,920.0	1,835,412.4	983.80				Average	
		point1596	1596	6,765,877.5	1,835,410.1	983.40				Average	
		point343	343	6,765,843.5	1,835,410.6	984.00				Average	
		point419	419	6,765,705.5	1,835,404.9	980.00				Average	
		point344	344	6,765,607.0	1,835,401.1	978.00				Average	
		point1562	1562	6,765,506.0	1,835,399.0	976.50					
Barton WB (SB Ramps to Michigan)	36.0	point1112	1112	6,766,408.5	1,835,415.2	989.30				Average	Y
		point365	365	6,766,306.0	1,835,416.4	990.00				Average	Y
		point364	364	6,766,206.5	1,835,414.8	989.80				Average	Y
		point363	1091	6,766,105.5	1,835,414.5	988.80				Average	Y
		point1117	1117	6,765,985.5	1,835,412.9	986.40					
Barton WB (SB Ramps to Michigan)	36.0	point1584	1584	6,767,324.0	1,835,420.4	1,000.30	Signal	0.00	100	Average	
		point1599	1599	6,767,286.0	1,835,419.8	999.70				Average	
		point1600	1600	6,767,244.5	1,835,420.2	998.00				Average	
		point1113	1113	6,767,221.0	1,835,419.4	997.50				Average	
		point1119	1119	6,767,105.5	1,835,417.9	995.50				Average	
		point372	372	6,767,005.5	1,835,417.9	993.50				Average	
		point1564	1564	6,766,905.5	1,835,416.4	992.00				Average	
		point1565	1565	6,766,805.0	1,835,415.6	990.90				Average	
		point1566	1566	6,766,706.0	1,835,414.8	988.10				Average	
		point1567	1567	6,766,606.0	1,835,413.2	988.50				Average	

INPUT: ROADWAYS

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		point1568	1568	6,766,506.5	1,835,412.5	988.50				Average
		point1569	1569	6,766,408.5	1,835,415.2	989.30				
Barton WB (East of Michigan)	24.0	point1095	1095	6,769,593.5	1,835,449.9	1,029.00	Signal	0.00	100	Average
		point1094	1094	6,769,415.5	1,835,445.5	1,029.00				Average
		point1093	1093	6,769,179.0	1,835,442.8	1,029.00				Average
		point377	377	6,768,978.0	1,835,440.2	1,029.00				Average
		point378	378	6,768,740.5	1,835,437.1	1,029.00				Average
		point379	379	6,768,505.5	1,835,435.6	1,028.70				Average
		point1570	1570	6,768,405.5	1,835,434.5	1,025.70				Average
		point1571	1571	6,768,305.0	1,835,434.0	1,023.70				Average
		point1572	1572	6,768,205.5	1,835,431.9	1,021.00				Average
		point1573	1573	6,768,104.5	1,835,430.1	1,018.90				Average
		point1574	1574	6,768,005.0	1,835,429.0	1,017.00				Average
		point1575	1575	6,767,906.0	1,835,427.1	1,014.50				Average
		point1576	1576	6,767,805.5	1,835,425.2	1,011.00				Average
		point1577	1577	6,767,705.5	1,835,424.2	1,008.70				Average
		point1578	1578	6,767,605.5	1,835,423.2	1,006.50				Average
		point1579	1579	6,767,505.5	1,835,421.8	1,003.50				Average
		point1580	1580	6,767,405.5	1,835,422.1	1,002.00				Average
		point1581	1581	6,767,324.0	1,835,420.4	1,000.30				
Vivienda Ct WB	14.0	point1467	1467	6,765,734.0	1,837,004.4	979.20	Stop	0.00	100	Average
		point1466	1466	6,765,713.5	1,837,015.4	978.00				Average
		point1166	1166	6,765,701.5	1,837,021.2	978.60				Average
		point392	392	6,765,684.5	1,837,028.4	978.30				Average
		point391	391	6,765,524.0	1,837,110.9	978.30				Average
		point390	390	6,765,433.5	1,837,135.9	978.30				Average
		point389	389	6,765,249.5	1,837,200.4	978.30				
Vivienda Ct WB	14.0	point395	395	6,766,870.5	1,836,321.4	999.00	Stop	0.00	100	Average
		point394	394	6,766,387.5	1,836,610.4	992.00				Average
		point393	393	6,765,952.0	1,836,871.0	985.30				Average
		point418	418	6,765,734.0	1,837,004.4	979.20				
Vivienda Ct EB	14.0	point693	693	6,765,246.0	1,837,187.5	978.40				Average
		point82	82	6,765,431.5	1,837,127.8	978.40				Average
		point81	81	6,765,520.0	1,837,101.2	978.40				Average
		point80	80	6,765,681.0	1,837,018.0	978.40				
Vivienda Ct EB	14.0	point1469	1469	6,765,681.0	1,837,018.0	978.40	Stop	0.00	100	Average
		point1468	1468	6,765,697.0	1,837,009.1	978.80				Average
		point698	698	6,765,707.0	1,837,002.5	978.70				Average
		point45	45	6,765,726.5	1,836,993.9	979.60				Average

INPUT: ROADWAYS

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		point44	44	6,765,946.5	1,836,861.4	985.30				Average	
		point43	43	6,766,385.0	1,836,601.9	992.00				Average	
		point42	42	6,766,868.5	1,836,310.5	999.00					
Vivienda NB	34.0	point1601	1601	6,767,286.0	1,835,419.8	999.70	Signal	0.00	100	Average	
		point1154	1154	6,767,293.0	1,835,459.9	1,002.00				Average	
		point1153	1153	6,767,329.0	1,835,664.8	1,003.20				Average	
		point1152	1152	6,767,372.0	1,835,924.6	1,004.50				Average	
		point1151	1151	6,767,431.0	1,836,204.8	1,010.00				Average	
		point1150	1150	6,767,464.0	1,836,350.5	1,010.50				Average	
		point1149	1149	6,767,489.5	1,836,404.0	1,011.00				Average	
		point1148	1148	6,767,538.0	1,836,447.5	1,011.30				Average	
		point1147	1147	6,767,570.5	1,836,450.9	1,011.30				Average	
		point1146	1146	6,767,603.5	1,836,483.4	1,011.70					
Vivienda SB	34.0	point2320	2320	6,767,587.0	1,836,506.8	1,011.40	Signal	0.00	100	Average	
		point2319	2319	6,767,541.0	1,836,484.5	1,011.00				Average	
		point1164	1164	6,767,474.5	1,836,413.6	1,010.50				Average	
		point1162	1162	6,767,444.0	1,836,358.0	1,010.50				Average	
		point1161	1161	6,767,414.0	1,836,206.2	1,009.80				Average	
		point1160	1160	6,767,392.5	1,836,112.9	1,008.10				Average	
		point1159	1159	6,767,374.5	1,836,033.4	1,006.40				Average	
		point1158	1158	6,767,370.0	1,836,012.4	1,004.70				Average	
		point1157	1157	6,767,297.5	1,835,671.2	1,003.30				Average	
		point1156	1156	6,767,259.5	1,835,458.6	1,001.30				Average	
		point1155	1155	6,767,244.5	1,835,420.2	998.00					
Newport WB	12.0	point1192	1192	6,768,168.5	1,837,048.9	1,028.00				Average	
		point1193	1193	6,768,095.5	1,837,089.5	1,028.00				Average	
		point1194	1194	6,767,954.5	1,837,171.9	1,026.80				Average	Y
		point1195	1195	6,767,801.0	1,837,261.8	1,025.70				Average	
		point1196	1196	6,767,549.0	1,837,409.4	1,023.30				Average	
		point1197	1197	6,767,275.5	1,837,569.2	1,021.00					
Newport EB	12.0	point1203	1203	6,767,271.0	1,837,561.9	1,021.00				Average	
		point1202	1202	6,767,544.5	1,837,402.0	1,023.30				Average	
		point1201	1201	6,767,796.5	1,837,254.2	1,025.70				Average	Y
		point1200	1200	6,767,950.0	1,837,164.5	1,026.80				Average	
		point1199	1199	6,768,091.0	1,837,082.1	1,028.00				Average	
		point1198	1198	6,768,164.0	1,837,041.5	1,028.00					
Michigan NB	26.0	point1355	1355	6,766,985.5	1,834,055.4	991.30				Average	
		point1354	1354	6,766,982.0	1,834,126.5	991.30				Average	
		point1353	1353	6,766,981.5	1,834,514.9	991.30				Average	

INPUT: ROADWAYS

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		point1352	1352	6,766,980.5	1,834,719.8	992.10				Average
		point1351	1351	6,766,978.0	1,834,887.1	992.80				Average
		point1610	1610	6,766,978.0	1,834,974.4	995.00				
Michigan NB	24.0	point1359	1359	6,767,009.0	1,832,948.9	991.30				Average
		point1358	1358	6,767,001.0	1,833,231.8	991.30				Average
		point1357	1357	6,766,990.0	1,833,648.6	991.30				Average
		point1356	1356	6,766,985.5	1,834,055.4	991.30				
Michigan SB	26.0	point1609	1609	6,766,954.0	1,834,973.2	993.80				Average
		point1363	1363	6,766,954.0	1,834,886.4	992.70				Average
		point1362	1362	6,766,955.5	1,834,718.0	992.40				Average
		point1361	1361	6,766,958.5	1,834,513.8	991.20				Average
		point1360	1360	6,766,956.0	1,834,127.6	991.20				
Michigan SB	24.0	point1372	1372	6,766,956.0	1,834,127.6	991.20				Average
		point1371	1371	6,766,961.5	1,834,054.5	991.20				Average
		point1370	1370	6,766,972.5	1,833,647.6	991.20				Average
		point1369	1369	6,766,982.5	1,833,230.0	991.20				Average
		point1368	1368	6,766,983.5	1,832,948.8	991.20				
Grand Terrace NB	24.0	point1462	1462	6,765,390.0	1,835,401.0	973.70	Stop	0.00	100	Average
		point1461	1461	6,765,393.5	1,835,410.8	972.50				Average
		point1429	1429	6,765,427.5	1,835,587.1	971.00				Average
		point1428	1428	6,765,464.5	1,835,756.8	970.50				Average
		point1427	1427	6,765,515.5	1,836,008.1	972.00				Average
		point1426	1426	6,765,566.5	1,836,269.1	974.00				Average
		point1425	1425	6,765,596.5	1,836,448.8	976.00				Average
		point1424	1424	6,765,696.5	1,836,976.8	979.30				
Grand Terrace NB	18.0	point1439	1439	6,765,696.5	1,836,976.8	979.30	Stop	0.00	100	Average
		point1438	1438	6,765,707.0	1,837,002.5	978.70				Average
		point1437	1437	6,765,713.5	1,837,015.4	978.00				Average
		point1436	1436	6,765,725.5	1,837,037.5	977.40				Average
		point1435	1435	6,765,777.5	1,837,150.5	969.50				Average
		point1434	1434	6,765,800.5	1,837,183.2	969.50				Average
		point1433	1433	6,765,829.5	1,837,210.5	969.50				Average
		point1432	1432	6,765,853.0	1,837,247.2	969.50				Average
		point1431	1431	6,765,892.0	1,837,349.2	969.50				Average
		point1430	1430	6,765,991.0	1,837,558.8	969.50				
Grand Terrace SB	24.0	point1440	1440	6,765,711.0	1,837,042.0	977.10	Stop	0.00	100	Average
		point1472	1472	6,765,701.5	1,837,021.2	978.60				Average
		point1473	1473	6,765,697.0	1,837,009.1	978.80				Average
		point1441	1441	6,765,687.5	1,836,981.9	979.30				Average

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		point1442	1442	6,765,583.0	1,836,449.9	976.00				Average
		point1443	1443	6,765,546.5	1,836,273.5	974.00				Average
		point1444	1444	6,765,495.5	1,836,012.1	972.00				Average
		point1448	1448	6,765,443.0	1,835,759.0	970.50				Average
		point1449	1449	6,765,409.5	1,835,580.6	971.00				Average
		point1450	1450	6,765,379.5	1,835,410.8	972.30				Average
		point1451	1451	6,765,376.5	1,835,400.6	973.30				
Grand Terrace SB	18.0	point1460	1460	6,765,977.0	1,837,563.9	968.90				Average
		point1459	1459	6,765,879.5	1,837,352.8	968.90				Average
		point1458	1458	6,765,839.5	1,837,252.1	968.90				Average
		point1457	1457	6,765,817.5	1,837,216.2	968.90				Average
		point1456	1456	6,765,789.5	1,837,190.9	968.90				Average
		point1455	1455	6,765,764.0	1,837,157.6	968.90				Average
		point1454	1454	6,765,711.0	1,837,042.0	977.10				
Commerce NB	40.0	point1486	1486	6,765,960.0	1,834,052.1	969.00				Average
		point2230	2230	6,765,957.5	1,834,151.1	969.30				Average
		point1485	1485	6,765,955.0	1,834,274.6	969.70				
Commerce NB	24.0	point1529	1529	6,765,955.0	1,834,274.6	969.70	Signal	0.00	100	Average
		point1506	1506	6,765,952.5	1,834,413.2	970.30				Average
		point1505	1505	6,765,958.0	1,834,546.6	971.00				Average
		point1504	1504	6,765,986.5	1,834,638.8	971.10				Average
		point1503	1503	6,766,037.5	1,834,719.6	971.20				Average
		point1502	1502	6,766,103.5	1,834,792.9	971.70				Average
		point1501	1501	6,766,177.0	1,834,853.1	971.80				Average
		point1500	1500	6,766,260.5	1,834,901.8	972.50				Average
		point1499	1499	6,766,352.0	1,834,936.8	976.00				Average
		point1498	1498	6,766,447.5	1,834,957.2	977.00				Average
		point1497	1497	6,766,546.0	1,834,963.2	979.50				Average
		point1496	1496	6,766,645.5	1,834,965.6	981.00				Average
		point1495	1495	6,766,745.0	1,834,968.6	983.00				Average
		point1494	1494	6,766,844.5	1,834,971.2	985.00				Average
		point1493	1493	6,766,940.5	1,834,973.8	987.00				Average
		point1607	1607	6,766,954.0	1,834,973.2	993.80				Average
		point1608	1608	6,766,978.0	1,834,974.4	995.00				Average
		point1492	1492	6,767,042.0	1,834,995.2	989.50				Average
		point1491	1491	6,767,127.0	1,835,043.2	991.50				Average
		point1490	1490	6,767,196.5	1,835,122.2	993.00				Average
		point1489	1489	6,767,239.5	1,835,213.9	995.00				Average
		point1488	1488	6,767,266.5	1,835,317.6	997.00				Average

INPUT: ROADWAYS

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		point1606	1606	6,767,275.5	1,835,370.2	999.70					
Commerce SB	40.0	point1613	1613	6,765,922.0	1,834,413.4	970.30	Signal	0.00	100	Average	
		point1614	1614	6,765,922.5	1,834,367.8	970.30				Average	
		point1612	1612	6,765,922.5	1,834,316.0	969.80				Average	
		point1507	1507	6,765,923.5	1,834,274.2	969.70				Average	
		point1508	1508	6,765,925.0	1,834,151.8	969.30				Average	
		point1509	1509	6,765,925.5	1,834,051.2	969.00					
Commerce SB	24.0	point1605	1605	6,767,221.0	1,835,370.8	1,001.00	Signal	0.00	100	Average	
		point1510	1510	6,767,206.0	1,835,309.8	997.00				Average	
		point1511	1511	6,767,189.0	1,835,222.4	995.00				Average	
		point1512	1512	6,767,157.0	1,835,148.8	993.00				Average	
		point1513	1513	6,767,099.5	1,835,083.8	991.50				Average	
		point1514	1514	6,767,026.5	1,835,040.6	989.50				Average	
		point1515	1515	6,766,938.5	1,835,023.5	987.00				Average	
		point1516	1516	6,766,844.0	1,835,017.0	985.00				Average	
		point1517	1517	6,766,743.5	1,835,011.2	983.00				Average	
		point1518	1518	6,766,644.0	1,835,006.1	981.00				Average	
		point1519	1519	6,766,543.5	1,835,000.2	979.50				Average	
		point1520	1520	6,766,442.5	1,834,991.8	977.00				Average	
		point1521	1521	6,766,342.5	1,834,969.2	976.00				Average	
		point1522	1522	6,766,247.5	1,834,931.9	972.50				Average	
		point1523	1523	6,766,159.0	1,834,879.4	971.80				Average	
		point1524	1524	6,766,081.0	1,834,814.2	971.70				Average	
		point1525	1525	6,766,013.0	1,834,738.4	971.20				Average	
		point1526	1526	6,765,958.5	1,834,651.8	971.10				Average	
		point1527	1527	6,765,929.5	1,834,554.6	971.00				Average	
		point1528	1528	6,765,922.0	1,834,413.4	970.30					
Vivienda Ct WB	20.0	point1620	1620	6,767,374.5	1,836,033.4	1,006.40				Average	
		point1619	1619	6,767,360.0	1,836,041.5	1,006.50				Average	
		point1618	1618	6,767,204.0	1,836,136.2	1,007.50				Average	
		point1617	1617	6,767,103.0	1,836,197.5	1,003.60					
Vivienda Ct EB	20.0	point1624	1624	6,767,094.0	1,836,184.8	1,003.60				Average	
		point1623	1623	6,767,197.5	1,836,120.8	1,007.50				Average	
		point1622	1622	6,767,352.0	1,836,022.4	1,006.50				Average	
		point1621	1621	6,767,370.0	1,836,012.4	1,004.70					
Barton Median	24.0	point1643	1643	6,765,307.0	1,835,378.4	972.00				Average	
		point1642	1642	6,765,407.0	1,835,376.5	974.40				Average	
		point1641	1641	6,765,506.5	1,835,381.9	976.50				Average	
		point1640	1640	6,765,607.0	1,835,380.4	978.00				Average	

INPUT: ROADWAYS

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		point1639	1639	6,765,707.0	1,835,381.1	980.00				Average	
		point1638	1638	6,765,841.0	1,835,382.9	984.00				Average	
		point1637	1637	6,765,986.5	1,835,381.9	986.40				Average	Y
		point1636	1636	6,766,104.5	1,835,384.5	988.80				Average	Y
		point1635	1635	6,766,205.5	1,835,387.2	989.80				Average	Y
		point1634	1634	6,766,305.5	1,835,386.4	990.00				Average	Y
		point1633	1633	6,766,406.5	1,835,387.8	989.30				Average	
		point1632	1632	6,766,506.5	1,835,389.1	988.50				Average	
		point1631	1631	6,766,606.5	1,835,390.2	988.50				Average	
		point1630	1630	6,766,707.5	1,835,390.2	988.10				Average	
		point1629	1629	6,766,807.0	1,835,391.5	990.90				Average	
		point1628	1628	6,766,907.0	1,835,392.1	992.00				Average	
		point1627	1627	6,767,006.0	1,835,393.4	993.50				Average	
		point1626	1626	6,767,107.5	1,835,395.2	995.50				Average	
		point2329	2329	6,767,193.5	1,835,394.5	997.50				Average	
		point2330	2330	6,767,323.5	1,835,397.0	1,000.30				Average	
		point2331	2331	6,767,406.5	1,835,397.1	1,002.00				Average	
		point2332	2332	6,767,506.5	1,835,399.0	1,003.50				Average	
		point2333	2333	6,767,606.5	1,835,399.5	1,006.50				Average	
		point2334	2334	6,767,705.5	1,835,400.9	1,008.70				Average	
		point2335	2335	6,767,807.5	1,835,402.0	1,011.00				Average	
		point2336	2336	6,767,906.0	1,835,403.4	1,014.50				Average	
		point2337	2337	6,768,005.5	1,835,410.1	1,017.00				Average	
		point2338	2338	6,768,105.5	1,835,411.6	1,018.90				Average	
		point2339	2339	6,768,205.5	1,835,414.9	1,021.00				Average	
		point2340	2340	6,768,305.5	1,835,416.0	1,024.00				Average	
		point2341	2341	6,768,405.5	1,835,417.2	1,026.70				Average	
		point2342	2342	6,768,505.5	1,835,417.9	1,029.40				Average	
		point2343	2343	6,768,740.0	1,835,416.8	1,029.00				Average	
		point2345	2345	6,768,978.0	1,835,420.4	1,029.00				Average	
		point2344	2344	6,769,179.5	1,835,422.0	1,029.00				Average	
		point1625	1625	6,769,415.5	1,835,425.2	1,029.00					
Commerce Median	32.0	point1665	1665	6,765,935.5	1,834,052.0	969.00				Average	
		point1664	1664	6,765,935.0	1,834,151.8	969.30				Average	
		point1663	1663	6,765,934.0	1,834,273.9	969.70				Average	
		point1662	1662	6,765,934.0	1,834,413.8	970.30				Average	
		point1661	1661	6,765,941.0	1,834,551.6	971.00				Average	
		point1660	1660	6,765,970.5	1,834,647.0	971.10				Average	
		point1659	1659	6,766,023.5	1,834,730.8	971.20				Average	

INPUT: ROADWAYS

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		point1658	1658	6,766,090.0	1,834,805.6	971.70				Average
		point1657	1657	6,766,167.5	1,834,868.4	971.80				Average
		point1656	1656	6,766,253.5	1,834,918.2	972.50				Average
		point1655	1655	6,766,347.0	1,834,954.5	976.00				Average
		point1654	1654	6,766,445.0	1,834,974.8	977.00				Average
		point1653	1653	6,766,544.5	1,834,981.0	979.50				Average
		point1652	1652	6,766,644.5	1,834,985.8	981.00				Average
		point1651	1651	6,766,744.5	1,834,990.8	983.00				Average
		point1650	1650	6,766,845.0	1,834,995.0	985.00				Average
		point1649	1649	6,766,939.5	1,834,996.2	987.00				Average
		point1648	1648	6,767,033.0	1,835,020.1	989.50				Average
		point1647	1647	6,767,113.0	1,835,065.0	991.50				Average
		point1646	1646	6,767,176.0	1,835,135.8	993.00				Average
		point1645	1645	6,767,211.5	1,835,218.0	995.00				Average
		point1666	1666	6,767,237.0	1,835,312.2	997.00				Average
		point1644	1644	6,767,245.5	1,835,370.4	998.00				
Barton NB Off-Ramp	35.0	point1235	1235	6,764,572.5	1,833,546.6	932.00				Average
		point1234	1234	6,764,674.5	1,833,641.4	936.60				Average
		point1233	1233	6,764,750.0	1,833,710.5	940.80				Average
		point1232	1232	6,764,823.0	1,833,776.8	944.00				Average
		point1231	1231	6,764,898.0	1,833,844.6	947.00				Average
		point1230	1230	6,764,971.5	1,833,911.8	950.00				Average
		point1801	1801	6,765,046.0	1,833,979.8	952.80				Average
		point1803	1803	6,765,119.5	1,834,046.8	954.80				Average
		point1804	1804	6,765,193.5	1,834,113.2	956.50				Average
		point1805	1805	6,765,267.0	1,834,180.8	957.70				Average
		point1806	1806	6,765,344.0	1,834,242.6	958.90				Average
		point1807	1807	6,765,429.0	1,834,287.2	960.10				Average
		point1808	1808	6,765,522.5	1,834,313.8	962.00				Average
		point1809	1809	6,765,620.0	1,834,316.5	963.80				Average
		point1810	1810	6,765,721.0	1,834,316.5	965.20				Average
		point1811	1811	6,765,821.0	1,834,317.2	967.90				Average
		point1812	1812	6,765,922.5	1,834,316.0	969.80				
Barton SB On Ramp 1	40.0	point1820	1820	6,765,920.0	1,835,412.4	983.80	Onramp	10.00	100	Average
		point1822	1822	6,765,933.5	1,835,473.9	983.00				Average
		point1823	1823	6,765,958.0	1,835,569.6	981.60				Average
		point1824	1824	6,765,983.5	1,835,668.8	979.80				Average
		point1825	1825	6,766,011.0	1,835,759.1	977.60				Average
		point1826	1826	6,766,078.5	1,835,819.8	974.90				Average

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		point1827	1827	6,766,173.5	1,835,824.4	972.30				Average
		point1828	1828	6,766,243.0	1,835,775.0	969.60				Average
		point1829	1829	6,766,270.0	1,835,686.5	966.90				Average
		point1830	1830	6,766,235.5	1,835,601.5	964.00				
Barton SB On Ramp 2	40.0	point1844	1844	6,766,235.5	1,835,601.5	964.00	Onramp	35.00	100	Average
		point1831	1831	6,766,171.5	1,835,528.9	962.00				Average
		point1832	1832	6,766,107.5	1,835,455.8	960.80				Average
		point1833	1833	6,766,041.5	1,835,381.1	960.00				Average
		point1834	1834	6,765,974.5	1,835,303.2	959.70				Average
		point1835	1835	6,765,912.0	1,835,225.8	960.30				Average
		point1836	1836	6,765,848.0	1,835,145.4	960.50				Average
		point1837	1837	6,765,789.5	1,835,064.8	960.80				Average
		point1838	1838	6,765,728.5	1,834,986.2	961.00				Average
		point1839	1839	6,765,664.5	1,834,909.0	961.20				Average
		point1840	1840	6,765,601.5	1,834,833.0	961.30				Average
		point1841	1841	6,765,535.5	1,834,756.9	961.00				Average
		point1842	1842	6,765,468.0	1,834,681.9	960.70				Average
		point1843	1843	6,765,403.0	1,834,608.4	960.30				Average
		point1731	1731	6,765,285.0	1,834,466.8	960.40				Average
		point1730	1730	6,765,122.0	1,834,283.0	958.70				Average
		point1729	1729	6,764,958.0	1,834,105.6	954.80				Average
		point1728	1728	6,764,817.0	1,833,954.8	948.40				Average
		point1727	1727	6,764,646.0	1,833,773.8	939.80				Average
		point1726	1726	6,764,495.0	1,833,613.5	932.00				Average
		point1725	1725	6,764,357.0	1,833,466.1	925.50				Average
		point1724	1724	6,764,169.0	1,833,268.2	919.50				Average
		point1723	1723	6,764,003.5	1,833,086.0	918.20				Average
		point1722	1722	6,763,841.0	1,832,895.9	917.10				Average
		point1721	1721	6,763,688.0	1,832,705.5	916.30				Average
		point1720	1720	6,763,536.5	1,832,506.6	915.40				Average
		point1719	1719	6,763,352.0	1,832,260.6	915.40				
Barton NB On Ramp	35.0	point1846	1846	6,765,922.5	1,834,367.8	970.30	Onramp	10.00	100	Average
		point1848	1848	6,765,802.5	1,834,368.9	967.30				Average
		point1849	1849	6,765,703.0	1,834,367.4	965.30				Average
		point1850	1850	6,765,619.5	1,834,375.6	964.10				Average
		point1851	1851	6,765,556.0	1,834,488.2	963.50				Average
		point1852	1852	6,765,603.0	1,834,563.8	963.00				Average
		point1853	1853	6,765,668.0	1,834,637.0	962.50				Average
		point1854	1854	6,765,736.5	1,834,711.0	962.00				Average

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		point1855	1855	6,765,802.5	1,834,783.4	961.50				Average
		point1856	1856	6,765,870.0	1,834,856.8	961.00				Average
		point1857	1857	6,765,938.0	1,834,930.2	960.50				Average
		point1858	1858	6,766,007.0	1,835,004.1	960.00				Average
		point1859	1859	6,766,075.0	1,835,075.4	959.50				Average
		point1860	1860	6,766,143.5	1,835,149.8	959.00				Average
		point1861	1861	6,766,210.5	1,835,224.0	959.00				Average
		point1862	1862	6,766,278.0	1,835,296.9	961.00				Average
		point1863	1863	6,766,346.5	1,835,370.0	962.50				Average
		point1864	1864	6,766,414.5	1,835,443.9	965.00				Average
		point1865	1865	6,766,481.5	1,835,516.4	968.00				Average
		point1866	1866	6,766,548.0	1,835,593.9	971.80				Average
		point1867	1867	6,766,610.5	1,835,671.2	975.00				Average
		point1868	1868	6,766,668.5	1,835,754.6	978.00				Average
		point1869	1869	6,766,729.5	1,835,833.5	982.50				Average
		point1870	1870	6,766,791.0	1,835,911.9	985.50				Average
		point1871	1871	6,766,855.0	1,835,988.0	988.50				Average
		point1872	1872	6,766,921.5	1,836,062.2	992.00				Average
		point1873	1873	6,766,987.0	1,836,136.6	995.00				Average
		point1874	1874	6,767,053.5	1,836,211.9	999.40				Average
		point2010	2010	6,767,149.5	1,836,335.2	991.00				Average
		point2011	2011	6,767,237.0	1,836,432.8	992.40				Average
		point2012	2012	6,767,419.0	1,836,628.9	995.00				Average
		point2013	2013	6,767,492.0	1,836,706.9	996.50				Average
		point2014	2014	6,767,580.0	1,836,801.8	997.90				Average
		point2016	2016	6,767,729.5	1,836,966.0	1,007.10				Average
		point1684	1684	6,767,885.5	1,837,133.5	1,007.00				Average
		point1683	1683	6,768,057.5	1,837,319.2	1,004.90				Average
		point1682	1682	6,768,208.5	1,837,481.8	1,002.00				Average
		point1681	1681	6,768,391.0	1,837,677.0	998.40				Average
		point1680	1680	6,768,541.5	1,837,840.9	995.40				Average
		point1679	1679	6,768,698.0	1,838,001.5	993.00				Average
		point1678	1678	6,768,847.0	1,838,143.2	990.00				Average
		point1677	1677	6,769,004.0	1,838,291.8	985.00				Average
		point1676	1676	6,769,175.5	1,838,440.0	979.50				Average
		point1675	1675	6,769,355.5	1,838,594.9	973.60				Average
		point1674	1674	6,769,549.0	1,838,757.0	966.40				
Barton SB Off Ramp	25.0	point2019	2019	6,767,097.0	1,836,445.2	1,001.90				Average
		point2021	2021	6,767,023.5	1,836,378.1	999.70				Average

INPUT: ROADWAYS

I-215/Barton Road Interchange

		point2022	2022	6,766,948.5	1,836,311.2	997.50				Average
		point2023	2023	6,766,874.0	1,836,243.4	995.40				Average
		point2024	2024	6,766,800.5	1,836,177.2	992.30				Average
		point2025	2025	6,766,722.0	1,836,116.8	989.20				Average
		point2026	2026	6,766,635.5	1,836,071.2	988.00				Average
		point2035	2035	6,766,541.5	1,836,040.2	986.70				Average
		point2036	2036	6,766,446.0	1,836,013.9	983.50				Average
		point2037	2037	6,766,348.5	1,835,989.0	981.50				Average
		point2038	2038	6,766,252.0	1,835,962.8	979.50				Average
		point2027	2027	6,766,153.5	1,835,945.0	978.30				Average
		point2039	2039	6,766,057.5	1,835,897.4	978.00				Average
		point2040	2040	6,765,988.5	1,835,819.2	977.50				Average
		point2028	2028	6,765,952.5	1,835,717.9	978.00				Average
		point2029	2029	6,765,928.5	1,835,621.4	979.00				Average
		point2030	2030	6,765,902.5	1,835,524.9	981.00				Average
		point2031	2031	6,765,881.0	1,835,427.2	983.00				Average
		point2032	2032	6,765,877.5	1,835,410.9	983.40				
Barton EB (SB Ramps to Michigan)	36.0	point2226	2226	6,766,607.0	1,835,366.0	988.50	Signal	0.00	100	Average
		point1076	1076	6,766,706.5	1,835,366.5	988.10				Average
		point313	424	6,766,806.0	1,835,367.1	990.90				Average
		point312	312	6,766,906.5	1,835,368.9	992.00				Average
		point311	311	6,767,005.5	1,835,369.5	993.50				Average
		point310	310	6,767,107.5	1,835,370.0	995.50				Average
		point309	309	6,767,178.5	1,835,370.2	997.50				
Barton WB (Cadena to Grand Terrace)	24.0	point2227	2227	6,765,506.0	1,835,399.0	976.50	Signal	0.00	100	Average
		point1563	1563	6,765,405.5	1,835,400.8	974.40				Average
		point1593	1593	6,765,389.5	1,835,400.4	972.40				Average
		point1594	1594	6,765,375.5	1,835,400.0	972.40				Average
		point411	411	6,765,306.5	1,835,396.9	972.00				Average
		point338	338	6,765,205.5	1,835,396.9	971.50				Average
		point1111	1111	6,765,106.0	1,835,392.0	972.00				Average
		point1558	1558	6,765,006.0	1,835,388.1	973.50				Average
		point1559	1559	6,764,906.5	1,835,387.9	977.50				Average
		point1560	1560	6,764,806.0	1,835,387.9	980.00				Average
		point1561	1561	6,764,792.5	1,835,387.9	980.00				
I-215 NB HOV	34.0	point2241	2241	6,763,403.5	1,832,218.2	915.20				Average
		point2242	2242	6,763,590.0	1,832,465.5	915.20				Average
		point2243	2243	6,763,739.5	1,832,665.0	915.60				Average
		point2244	2244	6,763,893.5	1,832,857.4	916.50				Average

INPUT: ROADWAYS

I-215/Barton Road Interchange

		point2245	2245	6,764,053.0	1,833,044.1	917.70				Average	
		point2246	2246	6,764,220.5	1,833,226.8	919.20				Average	
		point2247	2247	6,764,401.0	1,833,421.8	925.20				Average	
		point2248	2248	6,764,541.0	1,833,573.0	932.10				Average	
		point2249	2249	6,764,691.5	1,833,735.8	940.00				Average	
		point2250	2250	6,764,859.5	1,833,916.4	949.00				Average	
		point2251	2251	6,765,000.0	1,834,068.5	955.20				Average	
		point2252	2252	6,765,163.5	1,834,244.4	959.20				Average	
		point2253	2253	6,765,332.5	1,834,426.5	960.40				Average	
		point2254	2254	6,765,514.0	1,834,622.8	961.20				Average	
		point2255	2255	6,765,687.5	1,834,809.5	961.90				Average	
		point2256	2256	6,765,877.0	1,835,014.1	962.30				Average	
		point2257	2257	6,766,037.0	1,835,185.5	962.90				Average	
		point2258	2258	6,766,205.5	1,835,367.5	963.00				Average	
		point2259	2259	6,766,389.5	1,835,566.2	968.10				Average	
		point2260	2260	6,766,557.5	1,835,747.2	976.00				Average	
		point2261	2261	6,766,730.0	1,835,932.2	985.00				Average	
		point2262	2262	6,766,868.5	1,836,083.5	992.00				Average	
		point2263	2263	6,767,032.0	1,836,259.1	999.10				Average	
		point2264	2264	6,767,212.5	1,836,453.1	1,004.30				Average	
		point2265	2265	6,767,395.0	1,836,650.9	1,006.70				Average	
		point2266	2266	6,767,556.0	1,836,824.1	1,006.80				Average	
		point2267	2267	6,767,708.0	1,836,987.5	1,007.50				Average	
		point2268	2268	6,767,862.0	1,837,154.2	1,007.40				Average	
		point2269	2269	6,768,033.5	1,837,338.9	1,004.80				Average	
		point2270	2270	6,768,186.5	1,837,503.8	1,002.30				Average	
		point2271	2271	6,768,366.5	1,837,697.2	998.70				Average	
		point2272	2272	6,768,519.5	1,837,861.4	995.60				Average	
		point2273	2273	6,768,676.0	1,838,022.1	993.30				Average	
		point2274	2274	6,768,825.0	1,838,165.5	990.10				Average	
		point2275	2275	6,768,982.0	1,838,313.1	985.20				Average	
		point2276	2276	6,769,154.0	1,838,461.9	979.50				Average	
		point2277	2277	6,769,334.0	1,838,616.8	973.70				Average	
		point2240	2240	6,769,527.5	1,838,779.1	966.90					
I-215 SB HOV	34.0	point2279	2279	6,769,501.0	1,838,802.5	967.00				Average	
		point2280	2280	6,769,306.5	1,838,640.4	973.60				Average	
		point2281	2281	6,769,128.5	1,838,487.8	979.80				Average	
		point2282	2282	6,768,956.0	1,838,337.6	985.60				Average	
		point2283	2283	6,768,799.5	1,838,189.8	990.80				Average	

INPUT: ROADWAYS

I-215/Barton Road Interchange

		point2284	2284	6,768,650.5	1,838,045.8	993.50				Average
		point2285	2285	6,768,494.5	1,837,884.5	996.00				Average
		point2286	2286	6,768,338.0	1,837,718.4	998.70				Average
		point2287	2287	6,768,160.5	1,837,526.5	1,002.00				Average
		point2288	2288	6,768,008.5	1,837,361.2	1,004.60				Average
		point2289	2289	6,767,834.5	1,837,174.9	1,007.00				Average
		point2290	2290	6,767,682.0	1,837,010.4	1,007.30				Average
		point2291	2291	6,767,530.5	1,836,847.8	1,007.10				Average
		point2292	2292	6,767,370.0	1,836,674.0	1,006.40				Average
		point2293	2293	6,767,186.0	1,836,475.1	1,004.10				Average
		point2294	2294	6,767,004.5	1,836,279.8	999.10				Average
		point2295	2295	6,766,842.0	1,836,104.1	992.10				Average
		point2296	2296	6,766,703.5	1,835,954.2	984.90				Average
		point2297	2297	6,766,530.5	1,835,767.8	976.10				Average
		point2298	2298	6,766,362.0	1,835,586.6	967.90				Average
		point2299	2299	6,766,148.0	1,835,356.8	963.10				Average
		point2300	2300	6,766,013.0	1,835,211.2	963.00				Average
		point2301	2301	6,765,850.5	1,835,035.4	962.30				Average
		point2302	2302	6,765,661.5	1,834,830.8	961.80				Average
		point2303	2303	6,765,488.0	1,834,644.2	961.20				Average
		point2304	2304	6,765,306.0	1,834,448.9	960.40				Average
		point2305	2305	6,765,137.5	1,834,267.5	959.10				Average
		point2306	2306	6,764,974.0	1,834,090.8	955.20				Average
		point2307	2307	6,764,833.0	1,833,939.1	948.90				Average
		point2308	2308	6,764,663.5	1,833,756.9	940.00				Average
		point2309	2309	6,764,514.5	1,833,594.9	932.10				Average
		point2310	2310	6,764,376.0	1,833,445.8	925.10				Average
		point2311	2311	6,764,192.5	1,833,247.8	919.20				Average
		point2312	2312	6,764,027.0	1,833,064.9	917.90				Average
		point2313	2313	6,763,866.0	1,832,877.9	916.80				Average
		point2314	2314	6,763,712.0	1,832,686.6	916.00				Average
		point2315	2296	6,763,562.0	1,832,486.2	915.20				Average
		point2278	2278	6,763,374.0	1,832,236.8	915.20				
Barton EB (Grand Terrace to SB Ramps)	36.0	point2326	2326	6,765,308.0	1,835,358.8	972.00	Signal	0.00	100	Average
		point2325	2325	6,765,406.5	1,835,360.8	974.40				Average
		point2324	2324	6,765,506.5	1,835,361.4	976.50				Average
		point2323	2323	6,765,608.0	1,835,360.9	978.00				Average
		point2322	2322	6,765,707.0	1,835,361.6	980.00				Average
		point2321	2321	6,765,839.5	1,835,361.1	984.00				

INPUT: ROADWAYS

I-215/Barton Road Interchange

I-215 NB Aux Lane	12.0	point2348	2348	6,763,440.5	1,832,188.2	914.50				Average
		point2349	2349	6,763,627.5	1,832,435.5	914.50				Average
		point2350	2350	6,763,777.5	1,832,634.9	915.10				Average
		point2351	2351	6,763,931.0	1,832,826.8	916.10				Average
		point2352	2352	6,764,089.0	1,833,012.2	917.00				Average
		point2353	2353	6,764,256.5	1,833,195.6	918.50				Average
		point2354	2354	6,764,436.5	1,833,390.0	925.00				Average
		point2347	2347	6,764,577.5	1,833,541.6	932.00				
I-215 NB Lanes 1 & 2	24.0	point2346	2346	6,763,426.5	1,832,199.9	914.50				Average
		point2237	2237	6,763,613.5	1,832,447.1	914.50				Average
		point2236	2236	6,763,763.5	1,832,646.5	915.10				Average
		point2235	2235	6,763,917.0	1,832,838.2	916.10				Average
		point2234	2234	6,764,075.5	1,833,023.5	917.00				Average
		point2233	2233	6,764,242.5	1,833,207.2	918.50				Average
		point2232	2232	6,764,422.0	1,833,401.6	925.00				Average
		point962	962	6,764,563.5	1,833,553.2	932.00				Average
		point961	961	6,764,713.5	1,833,715.5	940.00				Average
		point960	960	6,764,881.5	1,833,896.2	949.00				Average
		point959	959	6,765,022.5	1,834,048.8	955.00				Average
		point2239	2239	6,765,185.5	1,834,224.4	958.90				Average
		point958	958	6,765,355.0	1,834,406.8	960.20				Average
		point957	957	6,765,536.5	1,834,602.8	960.80				Average
		point956	956	6,765,709.5	1,834,788.9	961.60				Average
		point955	955	6,765,900.0	1,834,994.6	962.10				Average
		point954	954	6,766,058.0	1,835,164.9	962.90				Average
		point1746	1746	6,766,228.0	1,835,348.8	963.20				Average
		point952	952	6,766,412.5	1,835,547.1	968.00				Average
		point951	951	6,766,580.5	1,835,727.4	976.00				Average
		point950	950	6,766,751.5	1,835,912.1	985.00				Average
		point949	949	6,766,891.5	1,836,063.8	992.00				Average
		point948	948	6,767,054.5	1,836,239.2	999.00				Average
		point947	947	6,767,235.5	1,836,433.4	1,004.00				Average
		point946	946	6,767,417.5	1,836,631.0	1,006.20				Average
		point945	945	6,767,578.5	1,836,804.0	1,006.40				Average
		point944	944	6,767,729.0	1,836,966.8	1,007.10				Average
		point943	943	6,767,884.5	1,837,134.2	1,007.00				Average
		point942	942	6,768,057.0	1,837,320.1	1,004.90				Average
		point941	941	6,768,208.0	1,837,482.4	1,002.00				Average
		point940	940	6,768,390.0	1,837,678.5	998.40				Average

INPUT: ROADWAYS

I-215/Barton Road Interchange

		point939	939	6,768,541.0	1,837,841.4	995.40				Average
		point938	938	6,768,698.0	1,838,002.0	993.00				Average
		point937	937	6,768,846.5	1,838,143.8	990.00				Average
		point936	936	6,769,004.0	1,838,292.2	985.00				Average
		point935	935	6,769,175.5	1,838,440.5	979.50				Average
		point934	934	6,769,355.5	1,838,595.4	973.60				Average
		point38	38	6,769,549.0	1,838,757.5	966.40				
I-215 SB Lanes 1 & 2	24.0	point1025	1025	6,769,477.5	1,838,823.0	966.50				Average
		point1024	1024	6,769,284.0	1,838,661.8	973.10				Average
		point1023	1023	6,769,106.0	1,838,508.8	979.80				Average
		point1022	1022	6,768,933.5	1,838,359.0	985.80				Average
		point1021	1021	6,768,779.0	1,838,210.1	991.00				Average
		point1020	1020	6,768,629.5	1,838,067.2	994.00				Average
		point1019	1019	6,768,473.5	1,837,908.0	996.50				Average
		point1018	1018	6,768,316.5	1,837,739.8	998.70				Average
		point1017	1017	6,768,138.5	1,837,547.4	1,001.90				Average
		point1016	1016	6,767,986.0	1,837,383.0	1,004.80				Average
		point1015	1015	6,767,812.5	1,837,195.1	1,006.90				Average
		point1014	1014	6,767,660.0	1,837,030.8	1,007.10				Average
		point2316	2316	6,767,508.5	1,836,867.2	1,006.70				Average
		point2317	2317	6,767,347.0	1,836,693.6	1,006.20				Average
		point1011	1011	6,767,163.0	1,836,494.9	1,004.00				Average
		point1010	1010	6,766,982.0	1,836,299.6	998.90				Average
		point1009	1009	6,766,819.5	1,836,124.2	992.00				Average
		point1008	1008	6,766,681.0	1,835,973.9	984.50				Average
		point1007	1007	6,766,508.5	1,835,788.1	976.00				Average
		point1006	1006	6,766,339.5	1,835,606.5	967.80				Average
		point1005	1005	6,766,124.5	1,835,375.2	963.30				Average
		point1748	1748	6,766,127.0	1,835,370.6	963.30				Average
		point1004	1004	6,765,997.5	1,835,223.5	962.80				Average
		point1003	1003	6,765,835.5	1,835,048.2	962.20				Average
		point1002	1002	6,765,646.5	1,834,844.8	961.70				Average
		point1001	1001	6,765,472.5	1,834,657.2	960.90				Average
		point1000	1000	6,765,290.5	1,834,461.1	960.40				Average
		point999	999	6,765,123.5	1,834,281.2	958.70				Average
		point998	998	6,764,959.5	1,834,104.2	954.80				Average
		point997	997	6,764,818.0	1,833,953.6	948.40				Average
		point996	996	6,764,647.0	1,833,772.8	939.80				Average
		point157	157	6,764,496.0	1,833,612.2	932.00				Average

INPUT: ROADWAYS**I-215/Barton Road Interchange**

		point156	156	6,764,357.5	1,833,465.6	925.50				Average	
		point155	155	6,764,170.0	1,833,267.6	919.50				Average	
		point154	154	6,764,004.0	1,833,085.2	918.20				Average	
		point153	153	6,763,841.5	1,832,895.2	917.10				Average	
		point152	152	6,763,689.0	1,832,704.4	916.30				Average	
		point151	151	6,763,537.0	1,832,505.9	915.40				Average	
		point150	150	6,763,353.0	1,832,259.9	915.40					

INPUT: TERRAIN LINES

I-215/Barton Road Interchange

LSA Associates, Inc.			14 February 2012	
Teak Kim			TNM 2.5	
INPUT: TERRAIN LINES				
PROJECT/CONTRACT:	I-215/Barton Road Interchange			
RUN:	ALT 6			
Terrain Line	Points			
Name	No.	Coordinates (ground)		
		X	Y	Z
		ft	ft	ft
Terrain Line7	39	6,767,978.0	1,837,172.2	1,025.00
	40	6,768,233.0	1,837,429.4	1,029.00
	41	6,768,377.0	1,837,567.2	1,034.00
	42	6,768,576.0	1,837,758.8	1,041.00
	43	6,768,746.5	1,837,915.9	1,045.00
	44	6,768,841.5	1,838,004.2	1,047.00
Terrain Line2	45	6,764,494.0	1,832,926.2	924.00
	46	6,764,638.5	1,833,187.1	925.00
	47	6,764,766.0	1,833,421.2	930.00
	48	6,764,985.5	1,833,803.5	925.00
Terrain Line3	50	6,764,705.0	1,833,226.8	918.00
	51	6,764,789.0	1,833,305.8	927.00
	52	6,764,855.0	1,833,425.2	930.00
	53	6,764,934.0	1,833,562.2	932.00
	54	6,765,013.5	1,833,712.8	933.00
	55	6,765,116.0	1,833,891.8	934.00
Terrain Line4	57	6,764,490.5	1,832,773.4	942.00
	58	6,764,662.5	1,833,022.9	942.00
	59	6,764,786.0	1,833,228.0	941.00
	60	6,764,916.0	1,833,469.8	948.00
	61	6,765,021.5	1,833,646.2	950.00
	62	6,765,132.5	1,833,841.2	953.00
	63	6,765,197.5	1,833,923.8	955.00
	64	6,765,284.5	1,834,005.1	958.00

INPUT: TERRAIN LINES

I-215/Barton Road Interchange

	65	6,765,341.0	1,834,033.8	958.00
	66	6,765,352.5	1,833,955.9	958.00
	67	6,765,401.0	1,833,994.2	958.00
	68	6,765,399.5	1,834,028.6	958.00
	69	6,765,485.5	1,834,044.5	959.00
	70	6,765,619.0	1,834,045.1	962.00
Terrain Line13	71	6,768,573.0	1,838,171.6	1,060.00
	72	6,768,506.0	1,838,095.1	1,055.00
	73	6,768,407.5	1,837,982.2	1,052.00
	74	6,768,335.0	1,837,893.2	1,049.00
	75	6,768,229.5	1,837,766.8	1,044.00
	76	6,768,119.0	1,837,633.9	1,038.00
	77	6,768,046.0	1,837,532.1	1,032.00
	78	6,767,959.0	1,837,420.8	1,027.00
	79	6,767,826.0	1,837,264.5	1,021.00
Terrain Line12	80	6,767,782.5	1,837,238.9	1,024.00
	81	6,767,742.5	1,837,189.8	1,019.00
	82	6,767,696.0	1,837,126.5	1,018.00
	83	6,767,589.5	1,837,009.4	1,015.00
	84	6,767,492.0	1,836,902.8	1,011.00
	85	6,767,415.5	1,836,819.2	1,008.00
Terrain Line8	95	6,766,721.0	1,836,062.0	993.00
	96	6,766,564.5	1,835,911.9	994.00
	97	6,766,455.5	1,835,809.6	995.00
	98	6,766,337.0	1,835,690.9	991.00
	99	6,766,171.0	1,835,508.8	985.00
	100	6,766,103.5	1,835,420.1	982.00
Terrain Line11	122	6,767,189.0	1,836,790.6	1,003.20
	118	6,767,168.5	1,836,608.0	997.00
	124	6,767,149.0	1,836,589.2	992.00
Terrain Line5	129	6,764,796.5	1,833,654.6	943.50
	130	6,764,928.5	1,833,776.2	939.00
	131	6,765,234.0	1,834,056.8	946.00
	132	6,765,393.0	1,834,199.4	950.50
	133	6,765,477.5	1,834,231.0	948.90
	134	6,765,847.5	1,834,245.2	959.40

INPUT: TERRAIN LINES**I-215/Barton Road Interchange**

Terrain Line10	141	6,766,662.5	1,836,058.0	993.00
	142	6,766,611.0	1,836,021.8	993.90
	143	6,766,532.5	1,835,993.5	993.00
	144	6,766,439.5	1,835,953.1	994.00
	145	6,766,354.5	1,835,924.4	993.80
	146	6,766,296.5	1,835,904.6	993.20
	147	6,766,292.0	1,835,878.5	993.40
	148	6,766,339.5	1,835,837.0	994.00
	149	6,766,376.5	1,835,775.0	994.00
	150	6,766,379.5	1,835,740.9	993.00
Terrain Line6	162	6,766,242.5	1,835,206.8	975.10
	155	6,766,309.0	1,835,190.2	979.00
	156	6,766,337.5	1,835,203.2	980.20
	157	6,766,392.5	1,835,259.1	982.00
	158	6,766,441.0	1,835,309.8	983.90
	159	6,766,471.0	1,835,325.6	985.00
	160	6,766,524.5	1,835,317.2	983.50
	161	6,766,554.5	1,835,330.5	987.00
Terrain Line9	177	6,765,873.0	1,835,711.2	982.55
	175	6,765,858.5	1,835,659.2	982.10
	169	6,765,832.0	1,835,558.9	982.50
	170	6,765,807.5	1,835,460.8	980.00

INPUT: TRAFFIC FOR LAeq1h Volumes

I-215/Barton Road Interchange

LSA Associates, Inc.		14 February 2012										
Teak Kim		TNM 2.5										
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:		I-215/Barton Road Interchange										
RUN:		ALT 6										
Roadway	Points											
Name	Name	No.	Segment		MTrucks		HTrucks		Buses		Motorcycles	
			Autos		V	S	V	S	V	S	V	S
					veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
I-215 NB Lane 3	point995	995	1794	65	78	65	78	55	0	0	0	0
	point994	994	1794	65	78	65	78	55	0	0	0	0
	point993	993	1794	65	78	65	78	55	0	0	0	0
	point992	992	1794	65	78	65	78	55	0	0	0	0
	point991	991	1794	65	78	65	78	55	0	0	0	0
	point990	990	1794	65	78	65	78	55	0	0	0	0
	point989	989	1794	65	78	65	78	55	0	0	0	0
	point988	988	1794	65	78	65	78	55	0	0	0	0
	point987	987	1794	65	78	65	78	55	0	0	0	0
	point986	986	1794	65	78	65	78	55	0	0	0	0
	point985	985	1794	65	78	65	78	55	0	0	0	0
	point984	984	1794	65	78	65	78	55	0	0	0	0
	point983	983	1794	65	78	65	78	55	0	0	0	0
	point982	982	1794	65	78	65	78	55	0	0	0	0
	point981	981	1794	65	78	65	78	55	0	0	0	0
	point980	980	1794	65	78	65	78	55	0	0	0	0
	point979	979	1794	65	78	65	78	55	0	0	0	0
	point978	978	1794	65	78	65	78	55	0	0	0	0
	point977	977	1794	65	78	65	78	55	0	0	0	0
	point976	976	1794	65	78	65	78	55	0	0	0	0
	point975	975	1794	65	78	65	78	55	0	0	0	0
	point974	974	1794	65	78	65	78	55	0	0	0	0
	point973	973	1794	65	78	65	78	55	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes

I-215/Barton Road Interchange

	point972	972	1794	65	78	65	78	55	0	0	0	0
	point971	971	1794	65	78	65	78	55	0	0	0	0
	point970	970	1794	65	78	65	78	55	0	0	0	0
	point969	969	1794	65	78	65	78	55	0	0	0	0
	point968	968	1794	65	78	65	78	55	0	0	0	0
	point967	967	1794	65	78	65	78	55	0	0	0	0
	point966	966	1794	65	78	65	78	55	0	0	0	0
	point115	115	1794	65	78	65	78	55	0	0	0	0
	point114	114	1794	65	78	65	78	55	0	0	0	0
	point113	113	1794	65	78	65	78	55	0	0	0	0
	point112	112	1794	65	78	65	78	55	0	0	0	0
	point111	111	1794	65	78	65	78	55	0	0	0	0
	point110	110	1794	65	78	65	78	55	0	0	0	0
	point109	109	1794	65	78	65	78	55	0	0	0	0
	point108	108										
I-215 SB Lane 3	point1054	1054	1794	65	78	65	78	55	0	0	0	0
	point1053	1053	1794	65	78	65	78	55	0	0	0	0
	point1052	1052	1794	65	78	65	78	55	0	0	0	0
	point1051	1051	1794	65	78	65	78	55	0	0	0	0
	point1050	1050	1794	65	78	65	78	55	0	0	0	0
	point1049	1049	1794	65	78	65	78	55	0	0	0	0
	point1048	1048	1794	65	78	65	78	55	0	0	0	0
	point1047	1047	1794	65	78	65	78	55	0	0	0	0
	point1046	1046	1794	65	78	65	78	55	0	0	0	0
	point1045	1045	1794	65	78	65	78	55	0	0	0	0
	point1044	1044	1794	65	78	65	78	55	0	0	0	0
	point1043	1043	1794	65	78	65	78	55	0	0	0	0
	point1042	1042	1794	65	78	65	78	55	0	0	0	0
	point1041	1041	1794	65	78	65	78	55	0	0	0	0
	point1040	1040	1794	65	78	65	78	55	0	0	0	0
	point1039	1039	1794	65	78	65	78	55	0	0	0	0
	point1038	1038	1794	65	78	65	78	55	0	0	0	0
	point1037	1037	1794	65	78	65	78	55	0	0	0	0
	point1036	1036	1794	65	78	65	78	55	0	0	0	0
	point1035	1035	1794	65	78	65	78	55	0	0	0	0
	point1034	1034	1794	65	78	65	78	55	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes

I-215/Barton Road Interchange

	point1033	1033	1794	65	78	65	78	55	0	0	0	0
	point1032	1032	1794	65	78	65	78	55	0	0	0	0
	point1031	1031	1794	65	78	65	78	55	0	0	0	0
	point1030	1030	1794	65	78	65	78	55	0	0	0	0
	point1029	1029	1794	65	78	65	78	55	0	0	0	0
	point1028	1028	1794	65	78	65	78	55	0	0	0	0
	point1027	1027	1794	65	78	65	78	55	0	0	0	0
	point1026	1026	1794	65	78	65	78	55	0	0	0	0
	point257	257	1794	65	78	65	78	55	0	0	0	0
	point256	256	1794	65	78	65	78	55	0	0	0	0
	point255	255	1794	65	78	65	78	55	0	0	0	0
	point254	254	1794	65	78	65	78	55	0	0	0	0
	point253	253	1794	65	78	65	78	55	0	0	0	0
	point252	252	1794	65	78	65	78	55	0	0	0	0
	point251	251	1794	65	78	65	78	55	0	0	0	0
	point250	250	1794	65	78	65	78	55	0	0	0	0
	point436	436										
Barton EB (Cadena to Grand Terrace)	point260	260	1139	40	48	40	24	35	0	0	0	0
	point421	421	1139	40	48	40	24	35	0	0	0	0
	point259	259	1139	40	48	40	24	35	0	0	0	0
	point258	258										
Barton EB	point1538	1538	1139	40	48	40	24	35	0	0	0	0
	point1537	1537	1139	40	48	40	24	35	0	0	0	0
	point1536	1536	1139	40	48	40	24	35	0	0	0	0
	point1535	1535	1139	40	48	40	24	35	0	0	0	0
	point1534	1534	1139	40	48	40	24	35	0	0	0	0
	point2328	2328	1139	40	48	40	24	35	0	0	0	0
	point1533	1533										
Barton EB (SB Ramps to Michigan)	point1539	1539	1672	40	71	40	36	35	0	0	0	0
	point1075	1075	1672	40	71	40	36	35	0	0	0	0
	point1074	1074	1672	40	71	40	36	35	0	0	0	0
	point1073	1073	1672	40	71	40	36	35	0	0	0	0
	point1072	1072	1672	40	71	40	36	35	0	0	0	0
	point304	304	1672	40	71	40	36	35	0	0	0	0
	point432	432	1672	40	71	40	36	35	0	0	0	0
	point303	303										

INPUT: TRAFFIC FOR LAeq1h Volumes

I-215/Barton Road Interchange

Barton EB (East of Michigan)	point1557	1557	1923	40	82	40	41	35	0	0	0	0
	point1603	1603	1923	40	82	40	41	35	0	0	0	0
	point1604	1604	1923	40	82	40	41	35	0	0	0	0
	point1556	1556	1923	40	82	40	41	35	0	0	0	0
	point1555	1555	1923	40	82	40	41	35	0	0	0	0
	point1554	1554	1923	40	82	40	41	35	0	0	0	0
	point1553	1553	1923	40	82	40	41	35	0	0	0	0
	point1552	1552	1923	40	82	40	41	35	0	0	0	0
	point1551	1551	1923	40	82	40	41	35	0	0	0	0
	point1550	1550	1923	40	82	40	41	35	0	0	0	0
	point1549	1549	1923	40	82	40	41	35	0	0	0	0
	point1548	1548	1923	40	82	40	41	35	0	0	0	0
	point1547	1547	1923	40	82	40	41	35	0	0	0	0
	point1546	1546	1923	40	82	40	41	35	0	0	0	0
	point1545	1545	1923	40	82	40	41	35	0	0	0	0
	point1544	1544	1923	40	82	40	41	35	0	0	0	0
	point1543	1543	1923	40	82	40	41	35	0	0	0	0
	point1542	1542	1923	40	82	40	41	35	0	0	0	0
	point398	1077	1923	40	82	40	41	35	0	0	0	0
	point399	399	1923	40	82	40	41	35	0	0	0	0
	point403	403										
Barton WB (Cadena to Grand Terrace)	point337	337	808	40	34	40	17	35	0	0	0	0
	point336	336	808	40	34	40	17	35	0	0	0	0
	point335	335	808	40	34	40	17	35	0	0	0	0
	point334	334										
Barton WB (Grand Terrace to SB Ramp)	point1583	1583	826	40	35	40	18	35	0	0	0	0
	point1595	1595	826	40	35	40	18	35	0	0	0	0
	point1596	1596	826	40	35	40	18	35	0	0	0	0
	point343	343	826	40	35	40	18	35	0	0	0	0
	point419	419	826	40	35	40	18	35	0	0	0	0
	point344	344	826	40	35	40	18	35	0	0	0	0
	point1562	1562										
Barton WB (SB Ramps to Michigan)	point1112	1112	1408	40	60	40	30	35	0	0	0	0
	point365	365	1408	40	60	40	30	35	0	0	0	0
	point364	364	1408	40	60	40	30	35	0	0	0	0
	point363	1091	1408	40	60	40	30	35	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes

I-215/Barton Road Interchange

	point1117	1117										
Barton WB (SB Ramps to Michigan)	point1584	1584	1408	40	60	40	30	35	0	0	0	0
	point1599	1599	1408	40	60	40	30	35	0	0	0	0
	point1600	1600	1408	40	60	40	30	35	0	0	0	0
	point1113	1113	1408	40	60	40	30	35	0	0	0	0
	point1119	1119	1408	40	60	40	30	35	0	0	0	0
	point372	372	1408	40	60	40	30	35	0	0	0	0
	point1564	1564	1408	40	60	40	30	35	0	0	0	0
	point1565	1565	1408	40	60	40	30	35	0	0	0	0
	point1566	1566	1408	40	60	40	30	35	0	0	0	0
	point1567	1567	1408	40	60	40	30	35	0	0	0	0
	point1568	1568	1408	40	60	40	30	35	0	0	0	0
	point1569	1569										
Barton WB (East of Michigan)	point1095	1095	1358	40	58	40	29	35	0	0	0	0
	point1094	1094	1358	40	58	40	29	35	0	0	0	0
	point1093	1093	1358	40	58	40	29	35	0	0	0	0
	point377	377	1358	40	58	40	29	35	0	0	0	0
	point378	378	1358	40	58	40	29	35	0	0	0	0
	point379	379	1358	40	58	40	29	35	0	0	0	0
	point1570	1570	1358	40	58	40	29	35	0	0	0	0
	point1571	1571	1358	40	58	40	29	35	0	0	0	0
	point1572	1572	1358	40	58	40	29	35	0	0	0	0
	point1573	1573	1358	40	58	40	29	35	0	0	0	0
	point1574	1574	1358	40	58	40	29	35	0	0	0	0
	point1575	1575	1358	40	58	40	29	35	0	0	0	0
	point1576	1576	1358	40	58	40	29	35	0	0	0	0
	point1577	1577	1358	40	58	40	29	35	0	0	0	0
	point1578	1578	1358	40	58	40	29	35	0	0	0	0
	point1579	1579	1358	40	58	40	29	35	0	0	0	0
	point1580	1580	1358	40	58	40	29	35	0	0	0	0
	point1581	1581										
Vivienda Ct WB	point1467	1467	0	0	0	0	0	0	0	0	0	0
	point1466	1466	0	0	0	0	0	0	0	0	0	0
	point1166	1166	0	0	0	0	0	0	0	0	0	0
	point392	392	0	0	0	0	0	0	0	0	0	0
	point391	391	0	0	0	0	0	0	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes

I-215/Barton Road Interchange

	point390	390	0	0	0	0	0	0	0	0	0	0
	point389	389										
Vivienda Ct WB	point395	395	0	0	0	0	0	0	0	0	0	0
	point394	394	0	0	0	0	0	0	0	0	0	0
	point393	393	0	0	0	0	0	0	0	0	0	0
	point418	418										
Vivienda Ct EB	point693	693	0	0	0	0	0	0	0	0	0	0
	point82	82	0	0	0	0	0	0	0	0	0	0
	point81	81	0	0	0	0	0	0	0	0	0	0
	point80	80										
Vivienda Ct EB	point1469	1469	0	0	0	0	0	0	0	0	0	0
	point1468	1468	0	0	0	0	0	0	0	0	0	0
	point698	698	0	0	0	0	0	0	0	0	0	0
	point45	45	0	0	0	0	0	0	0	0	0	0
	point44	44	0	0	0	0	0	0	0	0	0	0
	point43	43	0	0	0	0	0	0	0	0	0	0
	point42	42										
Vivienda NB	point1601	1601	192	30	0	0	0	0	0	0	0	0
	point1154	1154	192	30	0	0	0	0	0	0	0	0
	point1153	1153	192	30	0	0	0	0	0	0	0	0
	point1152	1152	192	30	0	0	0	0	0	0	0	0
	point1151	1151	192	30	0	0	0	0	0	0	0	0
	point1150	1150	192	30	0	0	0	0	0	0	0	0
	point1149	1149	192	30	0	0	0	0	0	0	0	0
	point1148	1148	192	30	0	0	0	0	0	0	0	0
	point1147	1147	192	30	0	0	0	0	0	0	0	0
	point1146	1146										
Vivienda SB	point2320	2320	0	0	0	0	0	0	0	0	0	0
	point2319	2319	0	0	0	0	0	0	0	0	0	0
	point1164	1164	70	30	0	0	0	0	0	0	0	0
	point1162	1162	70	30	0	0	0	0	0	0	0	0
	point1161	1161	70	30	0	0	0	0	0	0	0	0
	point1160	1160	70	30	0	0	0	0	0	0	0	0
	point1159	1159	70	30	0	0	0	0	0	0	0	0
	point1158	1158	70	30	0	0	0	0	0	0	0	0
	point1157	1157	70	30	0	0	0	0	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes

I-215/Barton Road Interchange

	point1156	1156	70	30	0	0	0	0	0	0	0	0
	point1155	1155										
Newport WB	point1192	1192	0	0	0	0	0	0	0	0	0	0
	point1193	1193	0	0	0	0	0	0	0	0	0	0
	point1194	1194	0	0	0	0	0	0	0	0	0	0
	point1195	1195	0	0	0	0	0	0	0	0	0	0
	point1196	1196	0	0	0	0	0	0	0	0	0	0
	point1197	1197										
Newport EB	point1203	1203	0	0	0	0	0	0	0	0	0	0
	point1202	1202	0	0	0	0	0	0	0	0	0	0
	point1201	1201	0	0	0	0	0	0	0	0	0	0
	point1200	1200	0	0	0	0	0	0	0	0	0	0
	point1199	1199	0	0	0	0	0	0	0	0	0	0
	point1198	1198										
Michigan NB	point1355	1355	0	0	0	0	0	0	0	0	0	0
	point1354	1354	0	0	0	0	0	0	0	0	0	0
	point1353	1353	0	0	0	0	0	0	0	0	0	0
	point1352	1352	0	0	0	0	0	0	0	0	0	0
	point1351	1351	0	0	0	0	0	0	0	0	0	0
	point1610	1610										
Michigan NB	point1359	1359	0	0	0	0	0	0	0	0	0	0
	point1358	1358	0	0	0	0	0	0	0	0	0	0
	point1357	1357	0	0	0	0	0	0	0	0	0	0
	point1356	1356										
Michigan SB	point1609	1609	0	0	0	0	0	0	0	0	0	0
	point1363	1363	0	0	0	0	0	0	0	0	0	0
	point1362	1362	0	0	0	0	0	0	0	0	0	0
	point1361	1361	0	0	0	0	0	0	0	0	0	0
	point1360	1360										
Michigan SB	point1372	1372	0	0	0	0	0	0	0	0	0	0
	point1371	1371	0	0	0	0	0	0	0	0	0	0
	point1370	1370	0	0	0	0	0	0	0	0	0	0
	point1369	1369	0	0	0	0	0	0	0	0	0	0
	point1368	1368										
Grand Terrace NB	point1462	1462	244	30	13	30	0	0	0	0	0	0
	point1461	1461	244	30	13	30	0	0	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes

I-215/Barton Road Interchange

	point1429	1429	244	30	13	30	0	0	0	0	0	0
	point1428	1428	244	30	13	30	0	0	0	0	0	0
	point1427	1427	244	30	13	30	0	0	0	0	0	0
	point1426	1426	244	30	13	30	0	0	0	0	0	0
	point1425	1425	244	30	13	30	0	0	0	0	0	0
	point1424	1424										
Grand Terrace NB	point1439	1439	244	30	13	30	0	0	0	0	0	0
	point1438	1438	244	30	13	30	0	0	0	0	0	0
	point1437	1437	244	30	13	30	0	0	0	0	0	0
	point1436	1436	244	30	13	30	0	0	0	0	0	0
	point1435	1435	244	30	13	30	0	0	0	0	0	0
	point1434	1434	244	30	13	30	0	0	0	0	0	0
	point1433	1433	244	30	13	30	0	0	0	0	0	0
	point1432	1432	244	30	13	30	0	0	0	0	0	0
	point1431	1431	244	30	13	30	0	0	0	0	0	0
	point1430	1430										
Grand Terrace SB	point1440	1440	203	30	11	30	0	0	0	0	0	0
	point1472	1472	203	30	11	30	0	0	0	0	0	0
	point1473	1473	203	30	11	30	0	0	0	0	0	0
	point1441	1441	203	30	11	30	0	0	0	0	0	0
	point1442	1442	203	30	11	30	0	0	0	0	0	0
	point1443	1443	203	30	11	30	0	0	0	0	0	0
	point1444	1444	203	30	11	30	0	0	0	0	0	0
	point1448	1448	203	30	11	30	0	0	0	0	0	0
	point1449	1449	203	30	11	30	0	0	0	0	0	0
	point1450	1450	203	30	11	30	0	0	0	0	0	0
	point1451	1451										
Grand Terrace SB	point1460	1460	203	30	11	30	0	0	0	0	0	0
	point1459	1459	203	30	11	30	0	0	0	0	0	0
	point1458	1458	203	30	11	30	0	0	0	0	0	0
	point1457	1457	203	30	11	30	0	0	0	0	0	0
	point1456	1456	203	30	11	30	0	0	0	0	0	0
	point1455	1455	203	30	11	30	0	0	0	0	0	0
	point1454	1454										
Commerce NB	point1486	1486	920	35	60	35	20	30	0	0	0	0
	point2230	2230	920	35	60	35	20	30	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes

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	point1485	1485										
Commerce NB	point1529	1529	920	35	60	35	20	30	0	0	0	0
	point1506	1506	920	35	60	35	20	30	0	0	0	0
	point1505	1505	920	35	60	35	20	30	0	0	0	0
	point1504	1504	920	35	60	35	20	30	0	0	0	0
	point1503	1503	920	35	60	35	20	30	0	0	0	0
	point1502	1502	920	35	60	35	20	30	0	0	0	0
	point1501	1501	920	35	60	35	20	30	0	0	0	0
	point1500	1500	920	35	60	35	20	30	0	0	0	0
	point1499	1499	920	35	60	35	20	30	0	0	0	0
	point1498	1498	920	35	60	35	20	30	0	0	0	0
	point1497	1497	920	35	60	35	20	30	0	0	0	0
	point1496	1496	920	35	60	35	20	30	0	0	0	0
	point1495	1495	920	35	60	35	20	30	0	0	0	0
	point1494	1494	920	35	60	35	20	30	0	0	0	0
	point1493	1493	920	35	60	35	20	30	0	0	0	0
	point1607	1607	920	35	60	35	20	30	0	0	0	0
	point1608	1608	920	35	60	35	20	30	0	0	0	0
	point1492	1492	920	35	60	35	20	30	0	0	0	0
	point1491	1491	920	35	60	35	20	30	0	0	0	0
	point1490	1490	920	35	60	35	20	30	0	0	0	0
	point1489	1489	920	35	60	35	20	30	0	0	0	0
	point1488	1488	920	35	60	35	20	30	0	0	0	0
	point1606	1606										
Commerce SB	point1613	1613	920	35	60	35	20	30	0	0	0	0
	point1614	1614	920	35	60	35	20	30	0	0	0	0
	point1612	1612	920	35	60	35	20	30	0	0	0	0
	point1507	1507	920	35	60	35	20	30	0	0	0	0
	point1508	1508	920	35	60	35	20	30	0	0	0	0
	point1509	1509										
Commerce SB	point1605	1605	1476	35	63	35	31	30	0	0	0	0
	point1510	1510	920	35	60	35	20	30	0	0	0	0
	point1511	1511	1476	35	63	35	31	30	0	0	0	0
	point1512	1512	1476	35	63	35	31	30	0	0	0	0
	point1513	1513	1476	35	63	35	31	30	0	0	0	0
	point1514	1514	1476	35	63	35	31	30	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes

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	point1515	1515	1476	35	63	35	31	30	0	0	0	0
	point1516	1516	1476	35	63	35	31	30	0	0	0	0
	point1517	1517	1476	35	63	35	31	30	0	0	0	0
	point1518	1518	1476	35	63	35	31	30	0	0	0	0
	point1519	1519	1476	35	63	35	31	30	0	0	0	0
	point1520	1520	1476	35	63	35	31	30	0	0	0	0
	point1521	1521	1476	35	63	35	31	30	0	0	0	0
	point1522	1522	1476	35	63	35	31	30	0	0	0	0
	point1523	1523	1476	35	63	35	31	30	0	0	0	0
	point1524	1524	1476	35	63	35	31	30	0	0	0	0
	point1525	1525	1476	35	63	35	31	30	0	0	0	0
	point1526	1526	1476	35	63	35	31	30	0	0	0	0
	point1527	1527	1476	35	63	35	31	30	0	0	0	0
	point1528	1528										
Vivienda Ct WB	point1620	1620	0	0	0	0	0	0	0	0	0	0
	point1619	1619	0	0	0	0	0	0	0	0	0	0
	point1618	1618	0	0	0	0	0	0	0	0	0	0
	point1617	1617										
Vivienda Ct EB	point1624	1624	0	0	0	0	0	0	0	0	0	0
	point1623	1623	0	0	0	0	0	0	0	0	0	0
	point1622	1622	0	0	0	0	0	0	0	0	0	0
	point1621	1621										
Barton Median	point1643	1643	0	0	0	0	0	0	0	0	0	0
	point1642	1642	0	0	0	0	0	0	0	0	0	0
	point1641	1641	0	0	0	0	0	0	0	0	0	0
	point1640	1640	0	0	0	0	0	0	0	0	0	0
	point1639	1639	0	0	0	0	0	0	0	0	0	0
	point1638	1638	0	0	0	0	0	0	0	0	0	0
	point1637	1637	0	0	0	0	0	0	0	0	0	0
	point1636	1636	0	0	0	0	0	0	0	0	0	0
	point1635	1635	0	0	0	0	0	0	0	0	0	0
	point1634	1634	0	0	0	0	0	0	0	0	0	0
	point1633	1633	0	0	0	0	0	0	0	0	0	0
	point1632	1632	0	0	0	0	0	0	0	0	0	0
	point1631	1631	0	0	0	0	0	0	0	0	0	0
	point1630	1630	0	0	0	0	0	0	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes

I-215/Barton Road Interchange

	point1629	1629	0	0	0	0	0	0	0	0	0	0
	point1628	1628	0	0	0	0	0	0	0	0	0	0
	point1627	1627	0	0	0	0	0	0	0	0	0	0
	point1626	1626	0	0	0	0	0	0	0	0	0	0
	point2329	2329	0	0	0	0	0	0	0	0	0	0
	point2330	2330	0	0	0	0	0	0	0	0	0	0
	point2331	2331	0	0	0	0	0	0	0	0	0	0
	point2332	2332	0	0	0	0	0	0	0	0	0	0
	point2333	2333	0	0	0	0	0	0	0	0	0	0
	point2334	2334	0	0	0	0	0	0	0	0	0	0
	point2335	2335	0	0	0	0	0	0	0	0	0	0
	point2336	2336	0	0	0	0	0	0	0	0	0	0
	point2337	2337	0	0	0	0	0	0	0	0	0	0
	point2338	2338	0	0	0	0	0	0	0	0	0	0
	point2339	2339	0	0	0	0	0	0	0	0	0	0
	point2340	2340	0	0	0	0	0	0	0	0	0	0
	point2341	2341	0	0	0	0	0	0	0	0	0	0
	point2342	2342	0	0	0	0	0	0	0	0	0	0
	point2343	2343	0	0	0	0	0	0	0	0	0	0
	point2345	2345	0	0	0	0	0	0	0	0	0	0
	point2344	2344	0	0	0	0	0	0	0	0	0	0
	point1625	1625										
Commerce Median	point1665	1665	0	0	0	0	0	0	0	0	0	0
	point1664	1664	0	0	0	0	0	0	0	0	0	0
	point1663	1663	0	0	0	0	0	0	0	0	0	0
	point1662	1662	0	0	0	0	0	0	0	0	0	0
	point1661	1661	0	0	0	0	0	0	0	0	0	0
	point1660	1660	0	0	0	0	0	0	0	0	0	0
	point1659	1659	0	0	0	0	0	0	0	0	0	0
	point1658	1658	0	0	0	0	0	0	0	0	0	0
	point1657	1657	0	0	0	0	0	0	0	0	0	0
	point1656	1656	0	0	0	0	0	0	0	0	0	0
	point1655	1655	0	0	0	0	0	0	0	0	0	0
	point1654	1654	0	0	0	0	0	0	0	0	0	0
	point1653	1653	0	0	0	0	0	0	0	0	0	0
	point1652	1652	0	0	0	0	0	0	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes

I-215/Barton Road Interchange

	point1651	1651	0	0	0	0	0	0	0	0	0	0
	point1650	1650	0	0	0	0	0	0	0	0	0	0
	point1649	1649	0	0	0	0	0	0	0	0	0	0
	point1648	1648	0	0	0	0	0	0	0	0	0	0
	point1647	1647	0	0	0	0	0	0	0	0	0	0
	point1646	1646	0	0	0	0	0	0	0	0	0	0
	point1645	1645	0	0	0	0	0	0	0	0	0	0
	point1666	1666	0	0	0	0	0	0	0	0	0	0
	point1644	1644										
Barton NB Off-Ramp	point1235	1235	851	45	56	45	28	40	0	0	0	0
	point1234	1234	851	45	56	45	28	40	0	0	0	0
	point1233	1233	851	45	56	45	28	40	0	0	0	0
	point1232	1232	851	45	56	45	28	40	0	0	0	0
	point1231	1231	851	45	56	45	28	40	0	0	0	0
	point1230	1230	851	45	56	45	28	40	0	0	0	0
	point1801	1801	851	45	56	45	28	40	0	0	0	0
	point1803	1803	851	45	56	45	28	40	0	0	0	0
	point1804	1804	851	45	56	45	28	40	0	0	0	0
	point1805	1805	851	45	56	45	28	40	0	0	0	0
	point1806	1806	851	45	56	45	28	40	0	0	0	0
	point1807	1807	851	45	56	45	28	40	0	0	0	0
	point1808	1808	851	45	56	45	28	40	0	0	0	0
	point1809	1809	851	45	56	45	28	40	0	0	0	0
	point1810	1810	851	40	56	40	28	35	0	0	0	0
	point1811	1811	851	35	56	35	28	30	0	0	0	0
	point1812	1812										
Barton SB On Ramp 1	point1820	1820	934	35	62	35	31	30	0	0	0	0
	point1822	1822	934	35	62	35	31	30	0	0	0	0
	point1823	1823	934	35	62	35	31	30	0	0	0	0
	point1824	1824	934	35	62	35	31	30	0	0	0	0
	point1825	1825	934	35	62	35	31	30	0	0	0	0
	point1826	1826	934	35	62	35	31	30	0	0	0	0
	point1827	1827	934	35	62	35	31	30	0	0	0	0
	point1828	1828	934	35	62	35	31	30	0	0	0	0
	point1829	1829	934	35	62	35	31	30	0	0	0	0
	point1830	1830										

INPUT: TRAFFIC FOR LAeq1h Volumes

I-215/Barton Road Interchange

Barton SB On Ramp 2	point1844	1844	934	65	62	65	31	55	0	0	0	0
	point1831	1831	934	65	62	65	31	55	0	0	0	0
	point1832	1832	934	65	62	65	31	55	0	0	0	0
	point1833	1833	934	65	62	65	31	55	0	0	0	0
	point1834	1834	934	65	62	65	31	55	0	0	0	0
	point1835	1835	934	65	62	65	31	55	0	0	0	0
	point1836	1836	934	65	62	65	31	55	0	0	0	0
	point1837	1837	934	65	62	65	31	55	0	0	0	0
	point1838	1838	934	65	62	65	31	55	0	0	0	0
	point1839	1839	934	65	62	65	31	55	0	0	0	0
	point1840	1840	934	65	62	65	31	55	0	0	0	0
	point1841	1841	934	65	62	65	31	55	0	0	0	0
	point1842	1842	934	65	62	65	31	55	0	0	0	0
	point1843	1843	934	65	62	65	31	55	0	0	0	0
	point1731	1731	934	65	62	65	31	55	0	0	0	0
	point1730	1730	934	65	62	65	31	55	0	0	0	0
	point1729	1729	934	65	62	65	31	55	0	0	0	0
	point1728	1728	934	65	62	65	31	55	0	0	0	0
	point1727	1727	934	65	62	65	31	55	0	0	0	0
	point1726	1726	934	65	62	65	31	55	0	0	0	0
	point1725	1725	934	65	62	65	31	55	0	0	0	0
	point1724	1724	934	65	62	65	31	55	0	0	0	0
	point1723	1723	934	65	62	65	31	55	0	0	0	0
	point1722	1722	934	65	62	65	31	55	0	0	0	0
	point1721	1721	934	65	62	65	31	55	0	0	0	0
	point1720	1720	934	65	62	65	31	55	0	0	0	0
	point1719	1719										
Barton NB On Ramp	point1846	1846	996	65	66	65	33	55	0	0	0	0
	point1848	1848	996	65	66	65	33	55	0	0	0	0
	point1849	1849	996	65	66	65	33	55	0	0	0	0
	point1850	1850	996	65	66	65	33	55	0	0	0	0
	point1851	1851	996	65	66	65	33	55	0	0	0	0
	point1852	1852	996	65	66	65	33	55	0	0	0	0
	point1853	1853	996	65	66	65	33	55	0	0	0	0
	point1854	1854	996	65	66	65	33	55	0	0	0	0
	point1855	1855	996	65	66	65	33	55	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes

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	point1856	1856	996	65	66	65	33	55	0	0	0	0
	point1857	1857	996	65	66	65	33	55	0	0	0	0
	point1858	1858	996	65	66	65	33	55	0	0	0	0
	point1859	1859	996	65	66	65	33	55	0	0	0	0
	point1860	1860	996	65	66	65	33	55	0	0	0	0
	point1861	1861	996	65	66	65	33	55	0	0	0	0
	point1862	1862	996	65	66	65	33	55	0	0	0	0
	point1863	1863	996	65	66	65	33	55	0	0	0	0
	point1864	1864	996	65	66	65	33	55	0	0	0	0
	point1865	1865	996	65	66	65	33	55	0	0	0	0
	point1866	1866	996	65	66	65	33	55	0	0	0	0
	point1867	1867	996	65	66	65	33	55	0	0	0	0
	point1868	1868	996	65	66	65	33	55	0	0	0	0
	point1869	1869	996	65	66	65	33	55	0	0	0	0
	point1870	1870	996	65	66	65	33	55	0	0	0	0
	point1871	1871	996	65	66	65	33	55	0	0	0	0
	point1872	1872	996	65	66	65	33	55	0	0	0	0
	point1873	1873	996	65	66	65	33	55	0	0	0	0
	point1874	1874	996	65	66	65	33	55	0	0	0	0
	point2010	2010	996	65	66	65	33	55	0	0	0	0
	point2011	2011	996	65	66	65	33	55	0	0	0	0
	point2012	2012	996	65	66	65	33	55	0	0	0	0
	point2013	2013	996	65	66	65	33	55	0	0	0	0
	point2014	2014	996	65	66	65	33	55	0	0	0	0
	point2016	2016	996	65	66	65	33	55	0	0	0	0
	point1684	1684	996	65	66	65	33	55	0	0	0	0
	point1683	1683	996	65	66	65	33	55	0	0	0	0
	point1682	1682	996	65	66	65	33	55	0	0	0	0
	point1681	1681	996	65	66	65	33	55	0	0	0	0
	point1680	1680	996	65	66	65	33	55	0	0	0	0
	point1679	1679	996	65	66	65	33	55	0	0	0	0
	point1678	1678	996	65	66	65	33	55	0	0	0	0
	point1677	1677	996	65	66	65	33	55	0	0	0	0
	point1676	1676	996	65	66	65	33	55	0	0	0	0
	point1675	1675	996	65	66	65	33	55	0	0	0	0
	point1674	1674										

INPUT: TRAFFIC FOR LAeq1h Volumes

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Barton SB Off Ramp	point2019	2019	804	45	53	45	26	40	0	0	0	0
	point2021	2021	804	45	53	45	26	40	0	0	0	0
	point2022	2022	804	45	53	45	26	40	0	0	0	0
	point2023	2023	804	45	53	45	26	40	0	0	0	0
	point2024	2024	804	45	53	45	26	40	0	0	0	0
	point2025	2025	804	45	53	45	26	40	0	0	0	0
	point2026	2026	804	45	53	45	26	40	0	0	0	0
	point2035	2035	804	45	53	45	26	40	0	0	0	0
	point2036	2036	804	45	53	45	26	40	0	0	0	0
	point2037	2037	804	45	53	45	26	40	0	0	0	0
	point2038	2038	804	45	53	45	26	40	0	0	0	0
	point2027	2027	804	45	53	45	26	40	0	0	0	0
	point2039	2039	804	45	53	45	26	40	0	0	0	0
	point2040	2040	804	45	53	45	26	40	0	0	0	0
	point2028	2028	804	45	53	45	26	40	0	0	0	0
	point2029	2029	804	45	53	45	26	40	0	0	0	0
	point2030	2030	804	45	53	45	26	40	0	0	0	0
	point2031	2031	804	40	53	40	26	35	0	0	0	0
	point2032	2032										
Barton EB (SB Ramps to Michigan)	point2226	2226	1672	40	71	40	36	35	0	0	0	0
	point1076	1076	1672	40	71	40	36	35	0	0	0	0
	point313	424	1672	40	71	40	36	35	0	0	0	0
	point312	312	1672	40	71	40	36	35	0	0	0	0
	point311	311	1672	40	71	40	36	35	0	0	0	0
	point310	310	1672	40	71	40	36	35	0	0	0	0
	point309	309										
Barton WB (Cadena to Grand Terrace)	point2227	2227	808	40	34	40	17	35	0	0	0	0
	point1563	1563	808	40	34	40	17	35	0	0	0	0
	point1593	1593	808	40	34	40	17	35	0	0	0	0
	point1594	1594	808	40	34	40	17	35	0	0	0	0
	point411	411	808	40	34	40	17	35	0	0	0	0
	point338	338	808	40	34	40	17	35	0	0	0	0
	point1111	1111	808	40	34	40	17	35	0	0	0	0
	point1558	1558	808	40	34	40	17	35	0	0	0	0
	point1559	1559	808	40	34	40	17	35	0	0	0	0
	point1560	1560	808	40	34	40	17	35	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes

I-215/Barton Road Interchange

	point1561	1561										
I-215 NB HOV	point2241	2241	1410	65	90	65	0	0	0	0	0	0
	point2242	2242	1410	65	90	65	0	0	0	0	0	0
	point2243	2243	1410	65	90	65	0	0	0	0	0	0
	point2244	2244	1410	65	90	65	0	0	0	0	0	0
	point2245	2245	1410	65	90	65	0	0	0	0	0	0
	point2246	2246	1410	65	90	65	0	0	0	0	0	0
	point2247	2247	1410	65	90	65	0	0	0	0	0	0
	point2248	2248	1410	65	90	65	0	0	0	0	0	0
	point2249	2249	1410	65	90	65	0	0	0	0	0	0
	point2250	2250	1410	65	90	65	0	0	0	0	0	0
	point2251	2251	1410	65	90	65	0	0	0	0	0	0
	point2252	2252	1410	65	90	65	0	0	0	0	0	0
	point2253	2253	1410	65	90	65	0	0	0	0	0	0
	point2254	2254	1410	65	90	65	0	0	0	0	0	0
	point2255	2255	1410	65	90	65	0	0	0	0	0	0
	point2256	2256	1410	65	90	65	0	0	0	0	0	0
	point2257	2257	1410	65	90	65	0	0	0	0	0	0
	point2258	2258	1410	65	90	65	0	0	0	0	0	0
	point2259	2259	1410	65	90	65	0	0	0	0	0	0
	point2260	2260	1410	65	90	65	0	0	0	0	0	0
	point2261	2261	1410	65	90	65	0	0	0	0	0	0
	point2262	2262	1410	65	90	65	0	0	0	0	0	0
	point2263	2263	1410	65	90	65	0	0	0	0	0	0
	point2264	2264	1410	65	90	65	0	0	0	0	0	0
	point2265	2265	1410	65	90	65	0	0	0	0	0	0
	point2266	2266	1410	65	90	65	0	0	0	0	0	0
	point2267	2267	1410	65	90	65	0	0	0	0	0	0
	point2268	2268	1410	65	90	65	0	0	0	0	0	0
	point2269	2269	1410	65	90	65	0	0	0	0	0	0
	point2270	2270	1410	65	90	65	0	0	0	0	0	0
	point2271	2271	1410	65	90	65	0	0	0	0	0	0
	point2272	2272	1410	65	90	65	0	0	0	0	0	0
	point2273	2273	1410	65	90	65	0	0	0	0	0	0
	point2274	2274	1410	65	90	65	0	0	0	0	0	0
	point2275	2275	1410	65	90	65	0	0	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes

I-215/Barton Road Interchange

	point2276	2276	1410	65	90	65	0	0	0	0	0	0
	point2277	2277	1410	65	90	65	0	0	0	0	0	0
	point2240	2240										
I-215 SB HOV	point2279	2279	1410	65	90	65	0	0	0	0	0	0
	point2280	2280	1410	65	90	65	0	0	0	0	0	0
	point2281	2281	1410	65	90	65	0	0	0	0	0	0
	point2282	2282	1410	65	90	65	0	0	0	0	0	0
	point2283	2283	1410	65	90	65	0	0	0	0	0	0
	point2284	2284	1410	65	90	65	0	0	0	0	0	0
	point2285	2285	1410	65	90	65	0	0	0	0	0	0
	point2286	2286	1410	65	90	65	0	0	0	0	0	0
	point2287	2287	1410	65	90	65	0	0	0	0	0	0
	point2288	2288	1410	65	90	65	0	0	0	0	0	0
	point2289	2289	1410	65	90	65	0	0	0	0	0	0
	point2290	2290	1410	65	90	65	0	0	0	0	0	0
	point2291	2291	1410	65	90	65	0	0	0	0	0	0
	point2292	2292	1410	65	90	65	0	0	0	0	0	0
	point2293	2293	1410	65	90	65	0	0	0	0	0	0
	point2294	2294	1410	65	90	65	0	0	0	0	0	0
	point2295	2295	1410	65	90	65	0	0	0	0	0	0
	point2296	2296	1410	65	90	65	0	0	0	0	0	0
	point2297	2297	1410	65	90	65	0	0	0	0	0	0
	point2298	2298	1410	65	90	65	0	0	0	0	0	0
	point2299	2299	1410	65	90	65	0	0	0	0	0	0
	point2300	2300	1410	65	90	65	0	0	0	0	0	0
	point2301	2301	1410	65	90	65	0	0	0	0	0	0
	point2302	2302	1410	65	90	65	0	0	0	0	0	0
	point2303	2303	1410	65	90	65	0	0	0	0	0	0
	point2304	2304	1410	65	90	65	0	0	0	0	0	0
	point2305	2305	1410	65	90	65	0	0	0	0	0	0
	point2306	2306	1410	65	90	65	0	0	0	0	0	0
	point2307	2307	1410	65	90	65	0	0	0	0	0	0
	point2308	2308	1410	65	90	65	0	0	0	0	0	0
	point2309	2309	1410	65	90	65	0	0	0	0	0	0
	point2310	2310	1410	65	90	65	0	0	0	0	0	0
	point2311	2311	1410	65	90	65	0	0	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes

I-215/Barton Road Interchange

	point2312	2312	1410	65	90	65	0	0	0	0	0	0
	point2313	2313	1410	65	90	65	0	0	0	0	0	0
	point2314	2314	1410	65	90	65	0	0	0	0	0	0
	point2315	2315	1410	65	90	65	0	0	0	0	0	0
	point2278	2278										
Barton EB (Grand Terrace to SB Ramps)	point2326	2326	1423	40	61	40	30	35	0	0	0	0
	point2325	2325	1423	40	61	40	30	35	0	0	0	0
	point2324	2324	1423	40	61	40	30	35	0	0	0	0
	point2323	2323	1423	40	61	40	30	35	0	0	0	0
	point2322	2322	1423	40	61	40	30	35	0	0	0	0
	point2321	2321										
I-215 NB Aux Lane	point2348	2348	851	65	56	65	28	55	0	0	0	0
	point2349	2349	851	65	56	65	28	55	0	0	0	0
	point2350	2350	851	65	56	65	28	55	0	0	0	0
	point2351	2351	851	65	56	65	28	55	0	0	0	0
	point2352	2352	851	65	56	65	28	55	0	0	0	0
	point2353	2353	851	65	56	65	28	55	0	0	0	0
	point2354	2354	851	65	56	65	28	55	0	0	0	0
	point2347	2347										
I-215 NB Lanes 1 & 2	point2346	2346	2392	65	104	65	104	55	0	0	0	0
	point2237	2237	2392	65	104	65	104	55	0	0	0	0
	point2236	2236	2392	65	104	65	104	55	0	0	0	0
	point2235	2235	2392	65	104	65	104	55	0	0	0	0
	point2234	2234	2392	65	104	65	104	55	0	0	0	0
	point2233	2233	2392	65	104	65	104	55	0	0	0	0
	point2232	2232	2392	65	104	65	104	55	0	0	0	0
	point962	962	2392	65	104	65	104	55	0	0	0	0
	point961	961	2392	65	104	65	104	55	0	0	0	0
	point960	960	2392	65	104	65	104	55	0	0	0	0
	point959	959	2392	65	104	65	104	55	0	0	0	0
	point2239	2239	2392	65	104	65	104	55	0	0	0	0
	point958	958	2392	65	104	65	104	55	0	0	0	0
	point957	957	2392	65	104	65	104	55	0	0	0	0
	point956	956	2392	65	104	65	104	55	0	0	0	0
	point955	955	2392	65	104	65	104	55	0	0	0	0
	point954	954	2392	65	104	65	104	55	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes

I-215/Barton Road Interchange

	point1746	1746	2392	65	104	65	104	55	0	0	0	0
	point952	952	2392	65	104	65	104	55	0	0	0	0
	point951	951	2392	65	104	65	104	55	0	0	0	0
	point950	950	2392	65	104	65	104	55	0	0	0	0
	point949	949	2392	65	104	65	104	55	0	0	0	0
	point948	948	2392	65	104	65	104	55	0	0	0	0
	point947	947	2392	65	104	65	104	55	0	0	0	0
	point946	946	2392	65	104	65	104	55	0	0	0	0
	point945	945	2392	65	104	65	104	55	0	0	0	0
	point944	944	2392	65	104	65	104	55	0	0	0	0
	point943	943	2392	65	104	65	104	55	0	0	0	0
	point942	942	2392	65	104	65	104	55	0	0	0	0
	point941	941	2392	65	104	65	104	55	0	0	0	0
	point940	940	2392	65	104	65	104	55	0	0	0	0
	point939	939	2392	65	104	65	104	55	0	0	0	0
	point938	938	2392	65	104	65	104	55	0	0	0	0
	point937	937	2392	65	104	65	104	55	0	0	0	0
	point936	936	2392	65	104	65	104	55	0	0	0	0
	point935	935	2392	65	104	65	104	55	0	0	0	0
	point934	934	2392	65	104	65	104	55	0	0	0	0
	point38	38										
I-215 SB Lanes 1 & 2	point1025	1025	2392	65	104	65	104	55	0	0	0	0
	point1024	1024	2392	65	104	65	104	55	0	0	0	0
	point1023	1023	2392	65	104	65	104	55	0	0	0	0
	point1022	1022	2392	65	104	65	104	55	0	0	0	0
	point1021	1021	2392	65	104	65	104	55	0	0	0	0
	point1020	1020	2392	65	104	65	104	55	0	0	0	0
	point1019	1019	2392	65	104	65	104	55	0	0	0	0
	point1018	1018	2392	65	104	65	104	55	0	0	0	0
	point1017	1017	2392	65	104	65	104	55	0	0	0	0
	point1016	1016	2392	65	104	65	104	55	0	0	0	0
	point1015	1015	2392	65	104	65	104	55	0	0	0	0
	point1014	1014	2392	65	104	65	104	55	0	0	0	0
	point2316	2316	2392	65	104	65	104	55	0	0	0	0
	point2317	2317	2392	65	104	65	104	55	0	0	0	0
	point1011	1011	2392	65	104	65	104	55	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes

I-215/Barton Road Interchange

	point1010	1010	2392	65	104	65	104	55	0	0	0	0
	point1009	1009	2392	65	104	65	104	55	0	0	0	0
	point1008	1008	2392	65	104	65	104	55	0	0	0	0
	point1007	1007	2392	65	104	65	104	55	0	0	0	0
	point1006	1006	2392	65	104	65	104	55	0	0	0	0
	point1005	1005	2392	65	104	65	104	55	0	0	0	0
	point1748	1748	2392	65	104	65	104	55	0	0	0	0
	point1004	1004	2392	65	104	65	104	55	0	0	0	0
	point1003	1003	2392	65	104	65	104	55	0	0	0	0
	point1002	1002	2392	65	104	65	104	55	0	0	0	0
	point1001	1001	2392	65	104	65	104	55	0	0	0	0
	point1000	1000	2392	65	104	65	104	55	0	0	0	0
	point999	999	2392	65	104	65	104	55	0	0	0	0
	point998	998	2392	65	104	65	104	55	0	0	0	0
	point997	997	2392	65	104	65	104	55	0	0	0	0
	point996	996	2392	65	104	65	104	55	0	0	0	0
	point157	157	2392	65	104	65	104	55	0	0	0	0
	point156	156	2392	65	104	65	104	55	0	0	0	0
	point155	155	2392	65	104	65	104	55	0	0	0	0
	point154	154	2392	65	104	65	104	55	0	0	0	0
	point153	153	2392	65	104	65	104	55	0	0	0	0
	point152	152	2392	65	104	65	104	55	0	0	0	0
	point151	151	2392	65	104	65	104	55	0	0	0	0
	point150	150										

INPUT: BARRIERS

I-215/Barton Road Interchange

LSA Associates, Inc.	14 February 2012
Teak Kim	TNM 2.5

INPUT: BARRIERS

PROJECT/CONTRACT: I-215/Barton Road Interchange
 RUN: ALT 6

Barrier									Points										
Name	Type	Height		If Wall	If Berm			Add'tnl	Name	No.	Coordinates (bottom)			Height	Segment				
		Min	Max	\$ per	\$ per	Top	Run:Rise	\$ per			X	Y	Z	at	Seg	Ht	Perturbs	On	Important
				Unit	Unit	Width		Unit						Point	Incre-	#Up	#Dn	Struct?	Reflec-
		ft	ft	Area	Vol.		ft:ft	Length			ft	ft	ft	ft	ment				tions?
				\$/sq ft	\$/cu yd			\$/ft											
Existing Wall 5a	W	0.00	99.99	0.00				0.00	point1	1	6,765,620.0	1,836,382.8	976.00	5.30	0.00	0	0		
									point2	2	6,765,864.0	1,836,319.2	978.00	5.30					
Existing Wall 5b	W	0.00	99.99	0.00				0.00	point12	12	6,765,864.0	1,836,319.2	978.00	6.00	0.00	0	0		
									point3	3	6,765,829.5	1,836,147.2	979.00	6.00	0.00	0	0		
									point4	4	6,765,796.0	1,835,975.8	980.00	6.00	0.00	0	0		
									point5	5	6,765,763.5	1,835,803.6	981.00	6.00	0.00	0	0		
									point6	6	6,765,763.5	1,835,768.5	981.00	6.00	0.00	0	0		
									point7	7	6,765,732.5	1,835,698.8	981.00	6.00	0.00	0	0		
									point8	8	6,765,730.0	1,835,678.2	981.00	6.00	0.00	0	0		
									point9	9	6,765,662.0	1,835,503.8	980.00	6.00	0.00	0	0		
									point10	10	6,765,646.5	1,835,439.5	979.00	6.00	0.00	0	0		
									point11	11	6,765,594.5	1,835,438.2	980.00	6.00					
Existing Wall 4a	W	0.00	99.99	0.00				0.00	point13	13	6,765,869.5	1,836,346.2	979.00	8.00	0.00	0	0		
									point14	14	6,765,916.0	1,836,333.8	981.00	8.00	0.00	0	0		
									point15	15	6,765,915.0	1,836,327.8	979.00	8.00	0.00	0	0		
									point16	16	6,766,063.5	1,836,287.8	983.00	8.00					
Existing Wall 4b	W	0.00	99.99	0.00				0.00	point97	97	6,766,063.5	1,836,287.8	983.00	12.60	0.00	0	0		
									point96	96	6,766,033.0	1,836,126.5	983.00	12.60	0.00	0	0		
									point20	20	6,765,983.5	1,835,896.2	983.50	12.60					
Existing Wall 8	W	0.00	99.99	0.00				0.00	point21	21	6,767,611.0	1,837,334.2	1,022.00	5.30	0.00	0	0		
									point22	22	6,767,553.0	1,837,234.8	1,020.00	5.30	0.00	0	0		
									point23	23	6,767,487.5	1,837,125.2	1,017.00	5.30	0.00	0	0		
									point24	24	6,767,378.5	1,836,937.0	1,011.00	5.30	0.00	0	0		
									point25	25	6,767,307.5	1,836,819.0	1,009.00	5.30	0.00	0	0		
									point26	26	6,767,281.0	1,836,834.0	1,009.00	5.30	0.00	0	0		
									point27	27	6,767,278.0	1,836,829.9	1,009.00	5.30	0.00	0	0		
									point28	28	6,767,208.5	1,836,870.8	1,009.00	5.30	0.00	0	0		
									point29	29	6,767,191.5	1,836,819.8	1,004.00	5.30					
Existing Wall 7	W	0.00	99.99	0.00				0.00	point30	30	6,767,180.5	1,836,792.1	1,003.20	5.30	0.00	0	0		
									point31	31	6,767,171.0	1,836,693.8	998.00	5.30	0.00	0	0		
									point32	32	6,767,163.5	1,836,607.9	996.50	5.30	0.00	0	0		
									point33	33	6,767,096.0	1,836,615.8	992.80	5.30					
Bulding Barrier 7	W	0.00	99.99	0.00				0.00	point44	44	6,767,050.0	1,836,050.0	1,001.00	15.00	0.00	0	0		
									point45	45	6,767,159.5	1,835,772.5	1,002.00	15.00					
Building Barrier 14	W	0.00	99.99	0.00				0.00	point83	83	6,765,886.5	1,835,926.6	981.00	15.00	0.00	0	0		

INPUT: BARRIERS

I-215/Barton Road Interchange

									point84	84	6,765,879.0	1,835,875.9	981.00	15.00				
Building Barrier 6	W	0.00	99.99	0.00			0.00	point89	89	6,766,954.5	1,836,000.5	998.00	15.00	0.00	0	0		
								point90	90	6,767,044.5	1,836,034.0	1,001.00	15.00	0.00	0	0		
								point91	91	6,767,086.0	1,835,921.8	1,001.00	15.00	0.00	0	0		
								point92	92	6,767,042.0	1,835,904.8	999.00	15.00	0.00	0	0		
								point93	93	6,767,018.5	1,835,968.4	999.00	15.00	0.00	0	0		
								point94	94	6,766,972.5	1,835,953.4	998.00	15.00	0.00	0	0		
								point96	95	6,766,954.5	1,836,000.5	998.00	15.00					
Building Barrier 1	W	0.00	99.99	0.00			0.00	point101	101	6,766,050.5	1,835,010.0	975.00	25.00	0.00	0	0		
								point100	100	6,766,152.5	1,835,101.9	975.00	25.00					
Building Barrier 2	W	0.00	99.99	0.00			0.00	point104	104	6,766,357.5	1,835,106.0	977.00	25.00	0.00	0	0		
								point103	103	6,766,379.0	1,835,124.9	977.00	25.00	0.00	0	0		
								point102	102	6,766,472.0	1,835,131.4	977.00	25.00					
Building Barrier 3	W	0.00	99.99	0.00			0.00	point107	107	6,766,508.0	1,835,099.4	985.00	25.00	0.00	0	0		
								point106	106	6,766,507.0	1,835,198.8	985.00	25.00	0.00	0	0		
								point105	105	6,766,791.5	1,835,202.0	985.00	25.00					
Building Barrier 4	W	0.00	99.99	0.00			0.00	point110	110	6,766,722.5	1,835,216.2	990.00	20.00	0.00	0	0		
								point109	109	6,766,720.5	1,835,273.1	990.00	20.00	0.00	0	0		
								point108	108	6,766,808.5	1,835,276.2	990.00	20.00					
Building Barrier 22	W	0.00	99.99	0.00			0.00	point123	123	6,765,362.5	1,836,146.8	971.00	15.00	0.00	0	0		
								point122	122	6,765,359.5	1,836,207.0	971.00	15.00					
Building Barrier 23	W	0.00	99.99	0.00			0.00	point125	125	6,765,434.5	1,836,239.1	972.00	15.00	0.00	0	0		
								point124	124	6,765,445.5	1,836,298.2	972.00	15.00					
Building Barrier 24	W	0.00	99.99	0.00			0.00	point127	127	6,765,464.0	1,836,324.2	971.80	15.00	0.00	0	0		
								point126	126	6,765,473.0	1,836,362.2	971.80	15.00					
Building Barrier 5	W	0.00	99.99	0.00			0.00	point129	129	6,768,092.5	1,835,263.4	1,022.00	15.00	0.00	0	0		
								point128	128	6,768,134.5	1,835,263.8	1,022.00	15.00					
Building Barrier 8	W	0.00	99.99	0.00			0.00	point131	131	6,767,727.5	1,835,604.6	1,009.00	15.00	0.00	0	0		
								point130	130	6,767,804.0	1,835,605.8	1,009.00	15.00					
Building Barrier 9	W	0.00	99.99	0.00			0.00	point133	133	6,767,833.5	1,835,514.8	1,012.00	15.00	0.00	0	0		
								point132	132	6,767,893.0	1,835,513.5	1,012.00	15.00					
Building Barrier 11	W	0.00	99.99	0.00			0.00	point137	137	6,768,044.5	1,835,564.4	1,018.00	15.00	0.00	0	0		
								point136	136	6,768,106.0	1,835,546.8	1,018.00	15.00					
Building Barrier 12	W	0.00	99.99	0.00			0.00	point139	139	6,768,178.0	1,835,579.8	1,021.00	15.00	0.00	0	0		
								point138	138	6,768,181.5	1,835,514.8	1,021.00	15.00					
Building Barrier 13	W	0.00	99.99	0.00			0.00	point141	141	6,768,269.0	1,835,583.4	1,024.00	15.00	0.00	0	0		
								point140	140	6,768,297.5	1,835,584.5	1,024.00	15.00					
Building Barrier 15	W	0.00	99.99	0.00			0.00	point143	143	6,765,335.5	1,835,452.5	969.00	15.00	0.00	0	0		
								point142	142	6,765,334.5	1,835,495.2	969.00	15.00					
Building Barrier 16	W	0.00	99.99	0.00			0.00	point145	145	6,765,348.0	1,835,616.6	967.00	15.00	0.00	0	0		
								point144	144	6,765,348.0	1,835,659.4	967.00	15.00					
Building Barrier 17	W	0.00	99.99	0.00			0.00	point147	147	6,765,345.0	1,835,696.2	967.00	15.00	0.00	0	0		
								point146	146	6,765,344.0	1,835,747.4	967.00	15.00					
Building Barrier 18	W	0.00	99.99	0.00			0.00	point149	149	6,765,329.0	1,835,780.8	967.50	15.00	0.00	0	0		
								point148	148	6,765,328.0	1,835,829.5	967.50	15.00					
Building Barrier 19	W	0.00	99.99	0.00			0.00	point151	151	6,765,375.0	1,835,894.9	968.00	15.00	0.00	0	0		
								point150	150	6,765,373.0	1,835,940.1	968.00	15.00					
Building Barrier 20	W	0.00	99.99	0.00			0.00	point153	153	6,765,416.5	1,835,958.0	970.00	15.00	0.00	0	0		
								point152	152	6,765,421.5	1,835,986.5	970.00	15.00					

INPUT: BARRIERS

I-215/Barton Road Interchange

Building Barrier 21	W	0.00	99.99	0.00				0.00	point155	155	6,765,417.0	1,836,053.8	970.50	15.00	0.00	0	0			
									point154	154	6,765,431.0	1,836,120.9	970.50	15.00						
Building Barrier 25	W	0.00	99.99	0.00				0.00	point157	157	6,765,485.5	1,836,373.8	971.80	15.00	0.00	0	0			
									point156	156	6,765,488.5	1,836,414.1	971.80	15.00						
Building Barrier 26	W	0.00	99.99	0.00				0.00	point159	159	6,765,481.5	1,836,423.1	972.50	15.00	0.00	0	0			
									point158	158	6,765,481.5	1,836,477.8	972.50	15.00						
Building Barrier 27	W	0.00	99.99	0.00				0.00	point161	161	6,765,488.0	1,836,500.4	973.50	15.00	0.00	0	0			
									point160	160	6,765,501.0	1,836,565.8	973.50	15.00						
Building Barrier 28	W	0.00	99.99	0.00				0.00	point163	163	6,765,479.5	1,836,628.8	975.00	15.00	0.00	0	0			
									point162	162	6,765,491.5	1,836,710.2	975.00	15.00						
Building Barrier 29	W	0.00	99.99	0.00				0.00	point165	165	6,765,541.0	1,836,756.8	976.50	15.00	0.00	0	0			
									point164	164	6,765,558.5	1,836,831.6	976.50	15.00						
Building Barrier 30	W	0.00	99.99	0.00				0.00	point167	167	6,765,579.0	1,836,884.0	978.00	15.00	0.00	0	0			
									point166	166	6,765,590.0	1,836,938.8	978.00	15.00						
Building Barrier 31	W	0.00	99.99	0.00				0.00	point169	169	6,765,569.0	1,836,979.1	979.00	15.00	0.00	0	0			
									point168	168	6,765,577.0	1,837,024.2	979.00	15.00						
SB No. 15	W	0.00	99.99	0.00				0.00	point449	272	6,767,387.5	1,836,950.8	1,011.00	6.00	2.00	5	0			
									point25	273	6,767,348.0	1,836,884.0	1,010.00	6.00	2.00	5	0			
									point26	274	6,767,308.0	1,836,817.2	1,009.00	6.00	2.00	5	0			
									point446	275	6,767,281.5	1,836,832.2	1,009.00	6.00	2.00	5	0			
									point447	451	6,767,278.0	1,836,828.8	1,009.00	6.00	2.00	5	0			
									point448	452	6,767,209.0	1,836,868.6	1,007.00	6.00						
Existing wall 9	W	0.00	99.99	0.00				0.00	point97	287	6,766,520.5	1,835,483.8	986.00	6.00	0.00	0	0			
									point98	288	6,766,552.0	1,835,438.2	986.00	6.00	0.00	0	0			
									point99	289	6,766,680.5	1,835,440.1	987.00	6.00	0.00	0	0			
									point100	290	6,766,789.5	1,835,442.2	989.00	6.00	0.00	0	0			
									point101	291	6,766,909.5	1,835,440.9	993.00	6.00	0.00	0	0			
									point102	292	6,767,024.0	1,835,443.5	996.00	6.00						
Building Barrier 10	W	0.00	99.99	0.00				0.00	point126	301	6,767,945.0	1,835,556.1	1,015.00	15.00	0.00	0	0			
									point125	302	6,768,006.5	1,835,555.0	1,015.00	15.00						
Existing Wall 6	W	0.00	99.99	0.00				0.00	point121	303	6,767,308.5	1,836,361.8	1,009.00	6.00	0.00	0	0			
									point120	304	6,767,257.5	1,836,378.1	1,006.00	6.00	0.00	0	0			
									point119	305	6,767,311.5	1,836,437.0	1,007.20	6.00						
Existing Wall 6	W	0.00	99.99	0.00				0.00	point252	306	6,767,311.5	1,836,437.0	1,007.20	7.00	0.00	0	0			
									point118	307	6,767,337.5	1,836,424.8	1,009.00	7.00	0.00	0	0			
									point117	308	6,767,370.5	1,836,489.2	1,009.20	7.00	0.00	0	0			
									point116	309	6,767,383.5	1,836,494.4	1,009.20	7.00						
Existing Wall 6	W	0.00	99.99	0.00				0.00	point253	310	6,767,383.5	1,836,494.4	1,009.20	6.00	0.00	0	0			
									point115	311	6,767,440.0	1,836,538.4	1,010.00	6.00	0.00	0	0			
									point114	312	6,767,433.5	1,836,545.9	1,010.00	6.00	0.00	0	0			
									point113	313	6,767,489.0	1,836,604.6	1,009.00	6.00	0.00	0	0			
									point217	314	6,767,490.5	1,836,601.6	1,009.30	6.00	0.00	0	0			
									point218	315	6,767,515.0	1,836,627.5	1,010.00	6.00	0.00	0	0			
									point219	316	6,767,518.5	1,836,635.2	1,010.00	6.00	0.00	0	0			
									point220	317	6,767,536.5	1,836,655.9	1,009.00	6.00	0.00	0	0			
									point221	318	6,767,534.5	1,836,658.5	1,009.00	6.00	0.00	0	0			
									point245	319	6,767,540.0	1,836,664.6	1,009.00	6.00	0.00	0	0			
									point246	320	6,767,609.5	1,836,623.9	1,012.30	6.00	0.00	0	0			
									point247	321	6,767,664.5	1,836,734.8	1,012.30	6.00	0.00	0	0			

INPUT: BARRIERS

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									point248	322	6,767,627.0	1,836,757.2	1,011.00	6.00	0.00	0	0		
									point249	323	6,767,675.5	1,836,811.1	1,011.00	6.00					
Existing Wall 6	W	0.00	99.99	0.00			0.00		point255	324	6,767,729.5	1,836,868.9	1,013.00	5.00	0.00	0	0		
									point251	325	6,767,816.0	1,836,961.2	1,016.00	5.00					
Existing Wall 6	W	0.00	99.99	0.00			0.00		point256	326	6,767,675.5	1,836,811.1	1,011.00	5.00	0.00	0	0		
									point250	327	6,767,715.0	1,836,788.8	1,013.50	5.00					
SB No. 12b	W	0.00	99.99	0.00			0.00		point342	342	6,767,335.0	1,836,504.0	1,005.00	6.00	2.00	5	0		
									point343	343	6,767,422.0	1,836,600.2	1,004.50	6.00	2.00	5	0		
									point344	344	6,767,489.0	1,836,673.1	1,006.50	6.00	2.00	5	0		
									point345	345	6,767,578.5	1,836,768.8	1,008.00	6.00	2.00	5	0		
									point346	346	6,767,676.0	1,836,874.0	1,008.30	6.00	2.00	5	0		
									point405	405	6,767,701.0	1,836,900.6	1,008.72	6.00					
SB No. 12a	W	0.00	99.99	0.00			0.00		point351	351	6,766,547.5	1,835,441.2	986.00	6.00	2.00	5	0		
									point352	352	6,766,510.0	1,835,491.2	986.00	6.00	2.00	5	0		
									point353	353	6,766,564.0	1,835,563.2	986.00	6.00	2.00	5	0		
									point354	354	6,766,624.0	1,835,644.1	987.70	6.00	2.00	5	0		
									point355	355	6,766,680.0	1,835,719.8	989.00	6.00	2.00	5	0		
									point356	356	6,766,748.0	1,835,811.5	990.70	6.00	2.00	5	0		
									point357	357	6,766,810.0	1,835,891.2	992.70	6.00	2.00	5	0		
									point358	358	6,766,876.0	1,835,968.1	995.30	6.00	2.00	5	0		
									point359	359	6,766,940.0	1,836,042.8	997.30	6.00	2.00	5	0		
									point360	360	6,767,005.0	1,836,117.9	1,000.00	6.00	2.00	5	0		
									point361	361	6,767,057.0	1,836,178.4	1,002.00	6.00	2.00	5	0		
									point362	362	6,767,125.5	1,836,253.0	1,004.00	6.00	2.00	5	0		
									point363	363	6,767,199.0	1,836,332.2	1,004.50	6.00	2.00	5	0		
									point364	364	6,767,265.0	1,836,403.6	1,005.70	6.00	2.00	5	0		
									point365	365	6,767,327.5	1,836,471.1	1,007.00	6.00	2.00	5	0		
									point366	366	6,767,360.0	1,836,505.8	1,007.00	6.00	2.00	5	0		
									point367	367	6,767,405.0	1,836,542.0	1,007.00	6.00					
SB No. 14	W	0.00	99.99	0.00			0.00		point402	402	6,767,558.5	1,836,978.4	1,014.00	6.00	2.00	5	0		
									point335	335	6,767,530.0	1,836,948.0	1,013.00	6.00	2.00	5	0		
									point336	336	6,767,464.0	1,836,876.6	1,009.50	6.00	2.00	5	0		
									point337	337	6,767,375.0	1,836,781.2	1,005.00	6.00	2.00	5	0		
									point338	338	6,767,272.0	1,836,670.2	999.70	6.00	2.00	5	0		
									point368	368	6,767,206.0	1,836,599.1	995.00	6.00	2.00	5	0		
									point369	369	6,767,146.5	1,836,535.0	996.00	6.00	2.00	5	0		
									point370	370	6,767,125.5	1,836,512.1	998.50	6.00	2.00	5	0		
									point371	371	6,767,015.0	1,836,411.1	1,000.50	6.00	2.00	5	0		
									point446	446	6,766,903.5	1,836,312.2	999.30	6.00	2.00	5	0		
									point447	447	6,766,799.5	1,836,219.5	996.30	6.00	2.00	5	0		
									point448	448	6,766,692.5	1,836,182.0	994.50	6.00	2.00	5	0		
									point449	449	6,766,634.0	1,836,154.2	993.50	6.00	2.00	5	0		
									point450	450	6,766,599.0	1,836,139.1	993.50	6.00					
SB No. 16	W	0.00	99.99	0.00			0.00		point411	411	6,767,100.5	1,836,209.1	1,004.00	6.00	2.00	5	0		
									point412	412	6,767,136.5	1,836,250.6	1,004.00	6.00	2.00	5	0		
									point413	413	6,767,211.5	1,836,328.8	1,005.00	6.00	2.00	5	0		
									point432	432	6,767,233.0	1,836,352.5	1,005.30	6.00	2.00	5	0		
									point436	436	6,767,257.0	1,836,377.9	1,006.00	6.00	2.00	5	0		
									point437	437	6,767,308.5	1,836,361.2	1,009.00	6.00					

INPUT: BARRIERS

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SB No. 13	W	0.00	99.99	0.00				0.00	point477	477	6,765,990.0	1,835,930.5	983.00	6.00	2.00	5	0		
									point476	476	6,765,953.5	1,835,882.2	981.00	6.00	2.00	5	0		
									point475	475	6,765,926.5	1,835,839.2	981.00	6.00	2.00	5	0		
									point474	474	6,765,905.5	1,835,784.4	983.00	6.00	2.00	5	0		
									point473	473	6,765,889.0	1,835,720.8	983.00	6.00	2.00	5	0		
									point472	472	6,765,877.5	1,835,656.4	982.00	6.00	2.00	5	0		
									point471	471	6,765,864.5	1,835,586.2	984.00	6.00	2.00	5	0		
									point470	470	6,765,849.0	1,835,524.2	983.00	6.00	2.00	5	0		
									point469	469	6,765,835.5	1,835,454.9	981.50	6.00	2.00	5	0		
									point468	468	6,765,752.0	1,835,438.5	978.90	6.00	2.00	5	0		
									point467	467	6,765,696.0	1,835,438.2	977.50	6.00	2.00	5	0		
									point441	441	6,765,608.0	1,835,437.2	978.00	6.00	2.00	5	0		
									point442	442	6,765,544.5	1,835,437.6	979.30	6.00	2.00	5	0		
									point443	443	6,765,492.5	1,835,435.8	978.00	6.00	2.00	5	0		
									point444	444	6,765,451.5	1,835,436.4	976.70	6.00	2.00	5	0		
									point445	445	6,765,430.0	1,835,461.5	975.00	6.00					
SB No. 11a	W	0.00	99.99	0.00				0.00	point455	455	6,764,523.0	1,833,455.1	939.10	6.00	2.00	5	0		
									point456	456	6,764,765.0	1,833,687.2	947.00	6.00	2.00	5	0		
									point457	457	6,764,915.0	1,833,818.0	947.00	6.00	2.00	5	0		
									point458	458	6,765,064.0	1,833,956.2	952.80	6.00	2.00	5	0		
									point459	459	6,765,210.0	1,834,088.1	956.50	6.00	2.00	5	0		
									point460	460	6,765,356.0	1,834,219.5	958.90	6.00	2.00	5	0		
									point461	461	6,765,435.5	1,834,258.0	960.10	6.00	2.00	5	0		
									point462	462	6,765,526.0	1,834,286.2	962.00	6.00	2.00	5	0		
									point463	463	6,765,620.5	1,834,283.1	963.80	6.00	2.00	5	0		
									point464	464	6,765,721.0	1,834,283.2	965.20	6.00	2.00	5	0		
									point454	454	6,765,821.5	1,834,285.0	967.90	6.00					
SB No. 11b	W	0.00	99.99	0.00				0.00	point466	466	6,764,460.5	1,833,366.4	942.00	6.00	2.00	5	0		
									point465	465	6,764,591.5	1,833,507.2	947.70	6.00					
SB No. 15::point449		0.00																	
SB No. 15::point25		0.00																	
SB No. 15::point26		0.00																	
SB No. 15::point446		0.00																	
SB No. 15::point447		0.00																	
SB No. 15::point448		0.00																	

RESULTS: BARRIER DESCRIPTIONS

I-215/Barton Road Interchange

LSA Associates, Inc.				14 February 2012						
Teak Kim				TNM 2.5						

RESULTS: BARRIER DESCRIPTIONS

PROJECT/CONTRACT: I-215/Barton Road Interchange

RUN: ALT 6

BARRIER DESIGN: INPUT HEIGHTS

Barriers										
Name	Type	Heights along Barrier			Length	If Wall Area	If Berm Volume	Top Width	Run:Rise	Cost
		Min	Avg	Max						
		ft	ft	ft	ft	sq ft	cu yd	ft	ft:ft	\$
Existing Wall 5a	W	5.30	5.30	5.30	252	1336				0
Existing Wall 5b	W	6.00	6.00	6.00	963	5777				0
Existing Wall 4a	W	8.00	8.00	8.00	208	1664				0
Existing Wall 4b	W	12.60	12.60	12.60	400	5035				0
Existing Wall 8	W	5.30	5.30	5.30	768	4070				0
Existing Wall 7	W	5.30	5.30	5.30	253	1341				0
Bulding Barrier 7	W	15.00	15.00	15.00	298	4475				0
Building Barrier 14	W	15.00	15.00	15.00	51	770				0
Building Barrier 6	W	15.00	15.00	15.00	430	6443				0
Building Barrier 1	W	25.00	25.00	25.00	137	3432				0
Building Barrier 2	W	25.00	25.00	25.00	122	3046				0
Building Barrier 3	W	25.00	25.00	25.00	384	9597				0
Building Barrier 4	W	20.00	20.00	20.00	145	2899				0
Building Barrier 22	W	15.00	15.00	15.00	60	905				0
Building Barrier 23	W	15.00	15.00	15.00	60	902				0
Building Barrier 24	W	15.00	15.00	15.00	39	586				0
Building Barrier 5	W	15.00	15.00	15.00	42	630				0
Building Barrier 8	W	15.00	15.00	15.00	77	1148				0
Building Barrier 9	W	15.00	15.00	15.00	60	893				0
Building Barrier 11	W	15.00	15.00	15.00	64	960				0
Building Barrier 12	W	15.00	15.00	15.00	65	976				0
Building Barrier 13	W	15.00	15.00	15.00	29	428				0
Building Barrier 15	W	15.00	15.00	15.00	43	641				0

RESULTS: BARRIER DESCRIPTIONS

I-215/Barton Road Interchange

Building Barrier 16	W	15.00	15.00	15.00	43	641				0
Building Barrier 17	W	15.00	15.00	15.00	51	767				0
Building Barrier 18	W	15.00	15.00	15.00	49	731				0
Building Barrier 19	W	15.00	15.00	15.00	45	679				0
Building Barrier 20	W	15.00	15.00	15.00	29	434				0
Building Barrier 21	W	15.00	15.00	15.00	69	1029				0
Building Barrier 25	W	15.00	15.00	15.00	40	607				0
Building Barrier 26	W	15.00	15.00	15.00	55	819				0
Building Barrier 27	W	15.00	15.00	15.00	67	1000				0
Building Barrier 28	W	15.00	15.00	15.00	82	1236				0
Building Barrier 29	W	15.00	15.00	15.00	77	1153				0
Building Barrier 30	W	15.00	15.00	15.00	56	838				0
Building Barrier 31	W	15.00	15.00	15.00	46	687				0
SB No. 15	W	6.00	6.00	6.00	270	1623				0
Existing wall 9	W	6.00	6.00	6.00	527	3164				0
Building Barrier 10	W	15.00	15.00	15.00	62	923				0
Existing Wall 6	W	6.00	6.00	6.00	133	801				0
Existing Wall 6	W	7.00	7.00	7.00	115	806				0
Existing Wall 6	W	6.00	6.00	6.00	569	3416				0
Existing Wall 6	W	5.00	5.00	5.00	127	633				0
Existing Wall 6	W	5.00	5.00	5.00	45	227				0
SB No. 12b	W	6.00	6.00	6.00	540	3238				0
SB No. 12a	W	6.00	6.00	6.00	1445	8671				0
SB No. 14	W	6.00	6.00	6.00	1291	7744				0
SB No. 16	W	6.00	6.00	6.00	284	1706				0
SB No. 13	W	6.00	6.00	6.00	926	5555				0
SB No. 11a	W	6.00	6.00	6.00	1609	9657				0
SB No. 11b	W	6.00	6.00	6.00	192	1154				0
									Total Cost:	0

RESULTS: BARRIER-SEGMENT DESCRIPTIONS

I-215/Barton Road Interchange

		point28	28	5.30	5.30	5.30	54	285				0
Existing Wall 7	W	point30	30	5.30	5.30	5.30	99	524				0
		point31	31	5.30	5.30	5.30	86	457				0
		point32	32	5.30	5.30	5.30	68	360				0
Building Barrier 7	W	point44	44	15.00	15.00	15.00	298	4475				0
Building Barrier 14	W	point83	83	15.00	15.00	15.00	51	770				0
Building Barrier 6	W	point89	89	15.00	15.00	15.00	96	1440				0
		point90	90	15.00	15.00	15.00	120	1795				0
		point91	91	15.00	15.00	15.00	47	708				0
		point92	92	15.00	15.00	15.00	68	1017				0
		point93	93	15.00	15.00	15.00	48	726				0
		point94	94	15.00	15.00	15.00	50	757				0
Building Barrier 1	W	point101	101	25.00	25.00	25.00	137	3432				0
Building Barrier 2	W	point104	104	25.00	25.00	25.00	29	715				0
		point103	103	25.00	25.00	25.00	93	2331				0
Building Barrier 3	W	point107	107	25.00	25.00	25.00	99	2485				0
		point106	106	25.00	25.00	25.00	285	7113				0
Building Barrier 4	W	point110	110	20.00	20.00	20.00	57	1138				0
		point109	109	20.00	20.00	20.00	88	1761				0
Building Barrier 22	W	point123	123	15.00	15.00	15.00	60	905				0
Building Barrier 23	W	point125	125	15.00	15.00	15.00	60	902				0
Building Barrier 24	W	point127	127	15.00	15.00	15.00	39	586				0
Building Barrier 5	W	point129	129	15.00	15.00	15.00	42	630				0
Building Barrier 8	W	point131	131	15.00	15.00	15.00	77	1148				0
Building Barrier 9	W	point133	133	15.00	15.00	15.00	60	893				0

RESULTS: BARRIER-SEGMENT DESCRIPTIONS

I-215/Barton Road Interchange

Building Barrier 11	W	point137	137	15.00	15.00	15.00	64	960				0
Building Barrier 12	W	point139	139	15.00	15.00	15.00	65	976				0
Building Barrier 13	W	point141	141	15.00	15.00	15.00	29	428				0
Building Barrier 15	W	point143	143	15.00	15.00	15.00	43	641				0
Building Barrier 16	W	point145	145	15.00	15.00	15.00	43	641				0
Building Barrier 17	W	point147	147	15.00	15.00	15.00	51	767				0
Building Barrier 18	W	point149	149	15.00	15.00	15.00	49	731				0
Building Barrier 19	W	point151	151	15.00	15.00	15.00	45	679				0
Building Barrier 20	W	point153	153	15.00	15.00	15.00	29	434				0
Building Barrier 21	W	point155	155	15.00	15.00	15.00	69	1029				0
Building Barrier 25	W	point157	157	15.00	15.00	15.00	40	607				0
Building Barrier 26	W	point159	159	15.00	15.00	15.00	55	819				0
Building Barrier 27	W	point161	161	15.00	15.00	15.00	67	1000				0
Building Barrier 28	W	point163	163	15.00	15.00	15.00	82	1236				0
Building Barrier 29	W	point165	165	15.00	15.00	15.00	77	1153				0
Building Barrier 30	W	point167	167	15.00	15.00	15.00	56	838				0
Building Barrier 31	W	point169	169	15.00	15.00	15.00	46	687				0
SB No. 15	W	point449	272	6.00	6.00	6.00	78	465				0
		point25	273	6.00	6.00	6.00	78	467				0
		point26	274	6.00	6.00	6.00	30	183				0
		point446	275	6.00	6.00	6.00	5	30				0

RESULTS: BARRIER-SEGMENT DESCRIPTIONS

I-215/Barton Road Interchange

		point447	451	6.00	6.00	6.00	80	478				0
Existing wall 9	W	point97	287	6.00	6.00	6.00	55	332				0
		point98	288	6.00	6.00	6.00	129	771				0
		point99	289	6.00	6.00	6.00	109	654				0
		point100	290	6.00	6.00	6.00	120	720				0
		point101	291	6.00	6.00	6.00	115	687				0
Building Barrier 10	W	point126	301	15.00	15.00	15.00	62	923				0
Existing Wall 6	W	point121	303	6.00	6.00	6.00	54	321				0
		point120	304	6.00	6.00	6.00	80	479				0
Existing Wall 6	W	point252	306	7.00	7.00	7.00	29	201				0
		point118	307	7.00	7.00	7.00	72	507				0
		point117	308	7.00	7.00	7.00	14	98				0
Existing Wall 6	W	point253	310	6.00	6.00	6.00	72	430				0
		point115	311	6.00	6.00	6.00	10	60				0
		point114	312	6.00	6.00	6.00	81	485				0
		point113	313	6.00	6.00	6.00	3	20				0
		point217	314	6.00	6.00	6.00	36	214				0
		point218	315	6.00	6.00	6.00	9	51				0
		point219	316	6.00	6.00	6.00	27	164				0
		point220	317	6.00	6.00	6.00	3	20				0
		point221	318	6.00	6.00	6.00	8	49				0
		point245	319	6.00	6.00	6.00	81	483				0
		point246	320	6.00	6.00	6.00	124	743				0
		point247	321	6.00	6.00	6.00	44	262				0
		point248	322	6.00	6.00	6.00	72	435				0
Existing Wall 6	W	point255	324	5.00	5.00	5.00	127	633				0
Existing Wall 6	W	point256	326	5.00	5.00	5.00	45	227				0
SB No. 12b	W	point342	342	6.00	6.00	6.00	130	778				0
		point343	343	6.00	6.00	6.00	99	594				0
		point344	344	6.00	6.00	6.00	131	786				0
		point345	345	6.00	6.00	6.00	143	861				0

RESULTS: BARRIER-SEGMENT DESCRIPTIONS

I-215/Barton Road Interchange

		point346	346	6.00	6.00	6.00	37	219					0
SB No. 12a	W	point351	351	6.00	6.00	6.00	62	375					0
		point352	352	6.00	6.00	6.00	90	540					0
		point353	353	6.00	6.00	6.00	101	604					0
		point354	354	6.00	6.00	6.00	94	565					0
		point355	355	6.00	6.00	6.00	114	685					0
		point356	356	6.00	6.00	6.00	101	606					0
		point357	357	6.00	6.00	6.00	101	608					0
		point358	358	6.00	6.00	6.00	98	590					0
		point359	359	6.00	6.00	6.00	99	596					0
		point360	360	6.00	6.00	6.00	80	479					0
		point361	361	6.00	6.00	6.00	101	608					0
		point362	362	6.00	6.00	6.00	108	649					0
		point363	363	6.00	6.00	6.00	97	583					0
		point364	364	6.00	6.00	6.00	92	552					0
		point365	365	6.00	6.00	6.00	47	285					0
		point366	366	6.00	6.00	6.00	58	347					0
SB No. 14	W	point402	402	6.00	6.00	6.00	42	250					0
		point335	335	6.00	6.00	6.00	97	583					0
		point336	336	6.00	6.00	6.00	130	783					0
		point337	337	6.00	6.00	6.00	151	909					0
		point338	338	6.00	6.00	6.00	97	582					0
		point368	368	6.00	6.00	6.00	87	525					0
		point369	369	6.00	6.00	6.00	31	186					0
		point370	370	6.00	6.00	6.00	150	898					0
		point371	371	6.00	6.00	6.00	149	894					0
		point446	446	6.00	6.00	6.00	139	836					0
		point447	447	6.00	6.00	6.00	113	680					0
		point448	448	6.00	6.00	6.00	65	388					0
		point449	449	6.00	6.00	6.00	38	229					0
SB No. 16	W	point411	411	6.00	6.00	6.00	55	330					0
		point412	412	6.00	6.00	6.00	108	650					0
		point413	413	6.00	6.00	6.00	32	192					0
		point432	432	6.00	6.00	6.00	35	210					0
		point436	436	6.00	6.00	6.00	54	325					0

RESULTS: BARRIER-SEGMENT DESCRIPTIONS

I-215/Barton Road Interchange

SB No. 13	W	point477	477	6.00	6.00	6.00	61	363				0
		point476	476	6.00	6.00	6.00	51	305				0
		point475	475	6.00	6.00	6.00	59	353				0
		point474	474	6.00	6.00	6.00	66	394				0
		point473	473	6.00	6.00	6.00	65	392				0
		point472	472	6.00	6.00	6.00	71	428				0
		point471	471	6.00	6.00	6.00	64	383				0
		point470	470	6.00	6.00	6.00	71	424				0
		point469	469	6.00	6.00	6.00	85	511				0
		point468	468	6.00	6.00	6.00	56	336				0
		point467	467	6.00	6.00	6.00	88	528				0
		point441	441	6.00	6.00	6.00	64	381				0
		point442	442	6.00	6.00	6.00	52	312				0
		point443	443	6.00	6.00	6.00	41	246				0
		point444	444	6.00	6.00	6.00	33	198				0
SB No. 11a	W	point455	455	6.00	6.00	6.00	335	2012				0
		point456	456	6.00	6.00	6.00	199	1194				0
		point457	457	6.00	6.00	6.00	203	1220				0
		point458	458	6.00	6.00	6.00	197	1180				0
		point459	459	6.00	6.00	6.00	196	1178				0
		point460	460	6.00	6.00	6.00	88	530				0
		point461	461	6.00	6.00	6.00	95	569				0
		point462	462	6.00	6.00	6.00	95	567				0
		point463	463	6.00	6.00	6.00	101	603				0
		point464	464	6.00	6.00	6.00	101	603				0
SB No. 11b	W	point466	466	6.00	6.00	6.00	192	1154				0

INPUT: BUILDING ROWS

I-215/Barton Road Interchange

LSA Associates, Inc.			14 February 2012			
Teak Kim			TNM 2.5			
INPUT: BUILDING ROWS						
PROJECT/CONTRACT:			I-215/Barton Road Interchange			
RUN:			ALT 6			
Building Row			Points			
Name	Average Height	Building Percent	No.	Coordinates (ground)		
	ft	%		X	Y	Z
				ft	ft	ft
Building 1	15.00	70	1	6,767,025.0	1,835,788.8	996.00
			2	6,767,044.5	1,835,478.4	997.00
Building9	15.00	70	22	6,765,592.0	1,835,474.4	977.50
			23	6,765,604.0	1,835,545.6	977.00
			24	6,765,624.5	1,835,612.0	977.00
			25	6,765,637.5	1,835,686.2	977.00
			26	6,765,651.5	1,835,762.1	976.00
			27	6,765,681.0	1,835,876.9	975.50
			28	6,765,697.5	1,835,994.0	976.00
			29	6,765,738.5	1,836,146.9	976.00
			40	6,765,766.5	1,836,294.5	977.00
Building10	15.00	70	30	6,765,519.5	1,835,475.2	977.50
			31	6,765,541.0	1,835,555.0	975.00
			32	6,765,561.0	1,835,615.0	975.00
			33	6,765,570.5	1,835,682.9	974.50
			34	6,765,589.5	1,835,762.4	974.00
			36	6,765,622.5	1,835,884.6	974.00
			37	6,765,635.0	1,835,995.0	974.50
			38	6,765,672.0	1,836,156.9	975.00
			39	6,765,695.0	1,836,317.1	976.00
Building11	15.00	70	41	6,767,116.5	1,836,615.1	994.00
			42	6,767,133.0	1,836,792.8	1,002.00
			48	6,767,178.5	1,836,928.8	1,008.00
			43	6,767,289.0	1,836,876.6	1,010.50

INPUT: BUILDING ROWS

I-215/Barton Road Interchange

			44	6,767,384.0	1,837,041.9	1,013.80
			45	6,767,459.5	1,837,171.1	1,016.50
			46	6,767,537.0	1,837,328.2	1,019.80
Building12	15.00	70	49	6,767,252.0	1,836,961.2	1,010.00
			50	6,767,314.0	1,837,061.5	1,013.20
			51	6,767,354.5	1,837,123.5	1,014.60
			52	6,767,394.5	1,837,188.8	1,015.70
			53	6,767,443.0	1,837,284.8	1,016.90
Building6	15.00	70	73	6,767,849.0	1,836,361.1	1,023.00
			74	6,767,766.0	1,836,525.2	1,021.00
			75	6,767,752.0	1,836,656.4	1,015.00
			76	6,767,793.5	1,836,819.4	1,015.00
			77	6,767,853.5	1,836,903.6	1,017.00
			78	6,768,046.0	1,836,891.9	1,027.00
Building7	20.00	80	79	6,768,334.0	1,836,863.1	1,039.00
			80	6,768,350.0	1,837,069.9	1,039.00
Building8	20.00	80	81	6,768,634.5	1,837,260.8	1,041.00
			82	6,768,640.0	1,837,460.0	1,041.00
Building3	15.00	50	83	6,767,491.0	1,835,936.8	1,013.00
			84	6,767,511.5	1,836,192.4	1,014.00
Building4	15.00	80	111	6,767,639.0	1,836,566.8	1,013.50
			92	6,767,663.0	1,836,524.9	1,014.00
			93	6,767,683.5	1,836,473.0	1,014.00
			94	6,767,665.5	1,836,433.1	1,014.50
			95	6,767,597.0	1,836,386.5	1,014.50
			112	6,767,575.5	1,836,365.1	1,015.00
			113	6,767,524.0	1,836,367.2	1,014.00
			114	6,767,500.5	1,836,295.2	1,013.50
Building2	15.00	75	101	6,767,332.0	1,836,142.8	1,011.00
			100	6,767,395.0	1,836,353.2	1,011.00
			99	6,767,447.5	1,836,458.5	1,011.00
			98	6,767,585.0	1,836,609.2	1,012.00
Building5	15.00	80	110	6,767,589.5	1,836,564.0	1,013.50
			109	6,767,683.5	1,836,611.1	1,015.00
			108	6,767,766.5	1,836,841.2	1,014.00
			107	6,767,837.0	1,836,901.5	1,015.00

INPUT: RECEIVERS

I-215/Barton Road Interchange

LSA Associates, Inc.						14 February 2012					
Teak Kim						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:		I-215/Barton Road Interchange									
RUN:		ALT 6									
Receiver											
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active
			X	Y	Z	above	Existing	Impact Criteria		NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Exterior/Interior 1	1	1	6,767,040.0	1,836,048.1	1,000.00	5.00	0.00	66	12.0	5.0	

INPUT: ROADWAYS

I-215/Barton Road Interchange

		point970	970	6,767,565.0	1,836,816.2	1,006.80				Average
		point969	969	6,767,717.0	1,836,979.8	1,007.50				Average
		point968	968	6,767,871.0	1,837,146.5	1,007.40				Average
		point967	967	6,768,042.5	1,837,331.1	1,004.80				Average
		point966	966	6,768,195.5	1,837,495.9	1,002.30				Average
		point115	115	6,768,375.5	1,837,689.5	998.70				Average
		point114	114	6,768,528.5	1,837,853.6	995.60				Average
		point113	113	6,768,685.0	1,838,014.2	993.30				Average
		point112	112	6,768,834.0	1,838,157.8	990.10				Average
		point111	111	6,768,991.0	1,838,305.2	985.20				Average
		point110	110	6,769,163.0	1,838,454.1	979.50				Average
		point109	109	6,769,343.0	1,838,609.0	973.70				Average
		point108	108	6,769,536.5	1,838,771.2	966.90				
I-215 SB Lane 3	12.0	point1054	1054	6,769,492.5	1,838,810.1	967.00				Average
		point1053	1053	6,769,298.0	1,838,648.0	973.60				Average
		point1052	1052	6,769,120.0	1,838,495.2	979.80				Average
		point1051	1051	6,768,947.5	1,838,345.2	985.60				Average
		point1050	1050	6,768,791.0	1,838,197.2	990.80				Average
		point1049	1049	6,768,642.0	1,838,053.2	993.50				Average
		point1048	1048	6,768,486.0	1,837,892.1	996.00				Average
		point1047	1047	6,768,329.5	1,837,726.0	998.70				Average
		point1046	1046	6,768,152.0	1,837,534.1	1,002.00				Average
		point1045	1045	6,768,000.0	1,837,368.9	1,004.60				Average
		point1044	1044	6,767,826.0	1,837,182.5	1,007.00				Average
		point1043	1043	6,767,673.5	1,837,018.0	1,007.30				Average
		point1042	1042	6,767,522.0	1,836,855.2	1,007.10				Average
		point1041	1041	6,767,361.5	1,836,681.6	1,006.40				Average
		point1040	1040	6,767,176.5	1,836,483.1	1,004.10				Average
		point1039	1039	6,766,996.0	1,836,287.2	999.10				Average
		point1038	1038	6,766,833.5	1,836,111.8	992.10				Average
		point1037	1037	6,766,695.0	1,835,961.9	984.90				Average
		point1036	1036	6,766,522.0	1,835,775.2	976.10				Average
		point1035	1035	6,766,353.5	1,835,594.2	967.90				Average
		point1034	1034	6,766,139.0	1,835,364.2	963.10				Average
		point1033	1033	6,766,004.5	1,835,218.9	963.00				Average
		point1032	1032	6,765,841.5	1,835,043.2	962.30				Average
		point1031	1031	6,765,653.0	1,834,838.2	961.80				Average
		point1030	1030	6,765,479.5	1,834,651.9	961.20				Average
		point1029	1029	6,765,297.0	1,834,456.8	960.40				Average

INPUT: ROADWAYS

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		point1028	1028	6,765,129.0	1,834,275.1	959.10				Average	
		point1027	1027	6,764,965.5	1,834,098.2	955.20				Average	
		point1026	1026	6,764,824.5	1,833,946.8	948.90				Average	
		point257	257	6,764,655.0	1,833,764.4	940.00				Average	
		point256	256	6,764,505.5	1,833,602.9	932.10				Average	
		point255	255	6,764,367.5	1,833,454.1	925.10				Average	
		point254	254	6,764,184.0	1,833,255.2	919.20				Average	
		point253	253	6,764,018.5	1,833,072.5	917.90				Average	
		point252	252	6,763,856.5	1,832,885.2	916.80				Average	
		point251	251	6,763,703.5	1,832,694.2	916.00				Average	
		point250	250	6,763,553.5	1,832,493.9	915.20				Average	
		point436	436	6,763,365.5	1,832,244.2	915.20					
Barton EB (Cadena to Grand Terrace)	18.0	point260	260	6,764,014.5	1,835,366.6	953.90				Average	
		point421	421	6,764,147.0	1,835,369.2	953.00				Average	
		point259	259	6,764,491.5	1,835,373.8	965.50				Average	
		point258	258	6,764,793.5	1,835,371.9	979.70					
Barton EB	24.0	point1538	1538	6,764,793.5	1,835,371.9	979.70				Average	
		point1537	1537	6,764,806.0	1,835,371.8	979.70				Average	
		point1536	1536	6,764,906.5	1,835,373.1	977.50				Average	
		point1535	1535	6,765,006.0	1,835,375.0	973.50				Average	
		point1534	1534	6,765,106.5	1,835,374.2	972.00				Average	
		point2328	2328	6,765,207.5	1,835,364.5	971.50				Average	
		point1533	1533	6,765,308.0	1,835,358.8	972.00					
Barton EB (SB Ramps to Michigan)	24.0	point1539	1539	6,765,839.5	1,835,361.1	984.00	Signal	0.00	100	Average	
		point1075	1075	6,765,985.5	1,835,359.0	986.40				Average	Y
		point1074	1074	6,766,108.0	1,835,360.9	988.80				Average	Y
		point1073	1073	6,766,205.5	1,835,361.2	989.80				Average	Y
		point1072	1072	6,766,304.0	1,835,362.5	990.00				Average	Y
		point304	304	6,766,406.0	1,835,364.6	989.30				Average	
		point432	432	6,766,506.5	1,835,364.8	988.50				Average	
		point303	303	6,766,607.0	1,835,366.0	988.50					
Barton EB (East of Michigan)	24.0	point1557	1557	6,767,178.5	1,835,370.2	997.50	Signal	0.00	100	Average	
		point1603	1603	6,767,221.0	1,835,370.8	1,001.00				Average	
		point1604	1604	6,767,275.5	1,835,370.2	999.70				Average	
		point1556	1556	6,767,323.5	1,835,372.9	1,000.30				Average	
		point1555	1555	6,767,406.5	1,835,373.1	1,002.00				Average	
		point1554	1554	6,767,506.5	1,835,375.0	1,003.50				Average	
		point1553	1553	6,767,606.5	1,835,375.5	1,006.50				Average	
		point1552	1552	6,767,705.5	1,835,376.9	1,008.70				Average	

INPUT: ROADWAYS

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		point1551	1551	6,767,807.5	1,835,378.0	1,011.00				Average	
		point1550	1550	6,767,906.0	1,835,379.4	1,014.50				Average	
		point1549	1549	6,768,005.5	1,835,386.1	1,017.00				Average	
		point1548	1548	6,768,106.5	1,835,394.5	1,018.90				Average	
		point1547	1547	6,768,205.5	1,835,396.4	1,021.00				Average	
		point1546	1546	6,768,305.5	1,835,397.4	1,024.00				Average	
		point1545	1545	6,768,405.5	1,835,398.8	1,026.70				Average	
		point1544	1544	6,768,505.5	1,835,399.2	1,029.40				Average	
		point1543	1543	6,768,740.0	1,835,398.1	1,029.00				Average	
		point1542	1542	6,768,978.0	1,835,401.8	1,029.00				Average	
		point398	1077	6,769,179.5	1,835,403.4	1,029.00				Average	
		point399	399	6,769,415.5	1,835,405.1	1,029.00				Average	
		point403	403	6,769,592.5	1,835,404.1	1,029.00					
Barton WB (Cadena to Grand Terrace)	18.0	point337	337	6,764,792.5	1,835,387.9	980.00				Average	
		point336	336	6,764,491.5	1,835,388.1	965.40				Average	
		point335	335	6,764,147.5	1,835,388.1	953.50				Average	
		point334	334	6,764,014.5	1,835,393.6	953.90					
Barton WB (Grand Terrace to SB Ramp)	36.0	point1583	1583	6,765,985.5	1,835,412.9	986.40	Signal	0.00	100	Average	
		point1595	1595	6,765,920.0	1,835,412.4	983.80				Average	
		point1596	1596	6,765,877.5	1,835,410.1	983.40				Average	
		point343	343	6,765,843.5	1,835,410.6	984.00				Average	
		point419	419	6,765,705.5	1,835,404.9	980.00				Average	
		point344	344	6,765,607.0	1,835,401.1	978.00				Average	
		point1562	1562	6,765,506.0	1,835,399.0	976.50					
Barton WB (SB Ramps to Michigan)	36.0	point1112	1112	6,766,408.5	1,835,415.2	989.30				Average	Y
		point365	365	6,766,306.0	1,835,416.4	990.00				Average	Y
		point364	364	6,766,206.5	1,835,414.8	989.80				Average	Y
		point363	1091	6,766,105.5	1,835,414.5	988.80				Average	Y
		point1117	1117	6,765,985.5	1,835,412.9	986.40					
Barton WB (SB Ramps to Michigan)	36.0	point1584	1584	6,767,324.0	1,835,420.4	1,000.30	Signal	0.00	100	Average	
		point1599	1599	6,767,286.0	1,835,419.8	999.70				Average	
		point1600	1600	6,767,244.5	1,835,420.2	998.00				Average	
		point1113	1113	6,767,221.0	1,835,419.4	997.50				Average	
		point1119	1119	6,767,105.5	1,835,417.9	995.50				Average	
		point372	372	6,767,005.5	1,835,417.9	993.50				Average	
		point1564	1564	6,766,905.5	1,835,416.4	992.00				Average	
		point1565	1565	6,766,805.0	1,835,415.6	990.90				Average	
		point1566	1566	6,766,706.0	1,835,414.8	988.10				Average	
		point1567	1567	6,766,606.0	1,835,413.2	988.50				Average	

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		point1568	1568	6,766,506.5	1,835,412.5	988.50				Average
		point1569	1569	6,766,408.5	1,835,415.2	989.30				
Barton WB (East of Michigan)	24.0	point1095	1095	6,769,593.5	1,835,449.9	1,029.00	Signal	0.00	100	Average
		point1094	1094	6,769,415.5	1,835,445.5	1,029.00				Average
		point1093	1093	6,769,179.0	1,835,442.8	1,029.00				Average
		point377	377	6,768,978.0	1,835,440.2	1,029.00				Average
		point378	378	6,768,740.5	1,835,437.1	1,029.00				Average
		point379	379	6,768,505.5	1,835,435.6	1,028.70				Average
		point1570	1570	6,768,405.5	1,835,434.5	1,025.70				Average
		point1571	1571	6,768,305.0	1,835,434.0	1,023.70				Average
		point1572	1572	6,768,205.5	1,835,431.9	1,021.00				Average
		point1573	1573	6,768,104.5	1,835,430.1	1,018.90				Average
		point1574	1574	6,768,005.0	1,835,429.0	1,017.00				Average
		point1575	1575	6,767,906.0	1,835,427.1	1,014.50				Average
		point1576	1576	6,767,805.5	1,835,425.2	1,011.00				Average
		point1577	1577	6,767,705.5	1,835,424.2	1,008.70				Average
		point1578	1578	6,767,605.5	1,835,423.2	1,006.50				Average
		point1579	1579	6,767,505.5	1,835,421.8	1,003.50				Average
		point1580	1580	6,767,405.5	1,835,422.1	1,002.00				Average
		point1581	1581	6,767,324.0	1,835,420.4	1,000.30				
Vivienda Ct WB	14.0	point1467	1467	6,765,734.0	1,837,004.4	979.20	Stop	0.00	100	Average
		point1466	1466	6,765,713.5	1,837,015.4	978.00				Average
		point1166	1166	6,765,701.5	1,837,021.2	978.60				Average
		point392	392	6,765,684.5	1,837,028.4	978.30				Average
		point391	391	6,765,524.0	1,837,110.9	978.30				Average
		point390	390	6,765,433.5	1,837,135.9	978.30				Average
		point389	389	6,765,249.5	1,837,200.4	978.30				
Vivienda Ct WB	14.0	point395	395	6,766,870.5	1,836,321.4	999.00	Stop	0.00	100	Average
		point394	394	6,766,387.5	1,836,610.4	992.00				Average
		point393	393	6,765,952.0	1,836,871.0	985.30				Average
		point418	418	6,765,734.0	1,837,004.4	979.20				
Vivienda Ct EB	14.0	point693	693	6,765,246.0	1,837,187.5	978.40				Average
		point82	82	6,765,431.5	1,837,127.8	978.40				Average
		point81	81	6,765,520.0	1,837,101.2	978.40				Average
		point80	80	6,765,681.0	1,837,018.0	978.40				
Vivienda Ct EB	14.0	point1469	1469	6,765,681.0	1,837,018.0	978.40	Stop	0.00	100	Average
		point1468	1468	6,765,697.0	1,837,009.1	978.80				Average
		point698	698	6,765,707.0	1,837,002.5	978.70				Average
		point45	45	6,765,726.5	1,836,993.9	979.60				Average

INPUT: ROADWAYS

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		point44	44	6,765,946.5	1,836,861.4	985.30				Average	
		point43	43	6,766,385.0	1,836,601.9	992.00				Average	
		point42	42	6,766,868.5	1,836,310.5	999.00					
Vivienda NB	34.0	point1601	1601	6,767,286.0	1,835,419.8	999.70	Signal	0.00	100	Average	
		point1154	1154	6,767,293.0	1,835,459.9	1,002.00				Average	
		point1153	1153	6,767,329.0	1,835,664.8	1,003.20				Average	
		point1152	1152	6,767,372.0	1,835,924.6	1,004.50				Average	
		point1151	1151	6,767,431.0	1,836,204.8	1,010.00				Average	
		point1150	1150	6,767,464.0	1,836,350.5	1,010.50				Average	
		point1149	1149	6,767,489.5	1,836,404.0	1,011.00				Average	
		point1148	1148	6,767,538.0	1,836,447.5	1,011.30				Average	
		point1147	1147	6,767,570.5	1,836,450.9	1,011.30				Average	
		point1146	1146	6,767,603.5	1,836,483.4	1,011.70					
Vivienda SB	34.0	point2320	2320	6,767,587.0	1,836,506.8	1,011.40	Signal	0.00	100	Average	
		point2319	2319	6,767,541.0	1,836,484.5	1,011.00				Average	
		point1164	1164	6,767,474.5	1,836,413.6	1,010.50				Average	
		point1162	1162	6,767,444.0	1,836,358.0	1,010.50				Average	
		point1161	1161	6,767,414.0	1,836,206.2	1,009.80				Average	
		point1160	1160	6,767,392.5	1,836,112.9	1,008.10				Average	
		point1159	1159	6,767,374.5	1,836,033.4	1,006.40				Average	
		point1158	1158	6,767,370.0	1,836,012.4	1,004.70				Average	
		point1157	1157	6,767,297.5	1,835,671.2	1,003.30				Average	
		point1156	1156	6,767,259.5	1,835,458.6	1,001.30				Average	
		point1155	1155	6,767,244.5	1,835,420.2	998.00					
Newport WB	12.0	point1192	1192	6,768,168.5	1,837,048.9	1,028.00				Average	
		point1193	1193	6,768,095.5	1,837,089.5	1,028.00				Average	
		point1194	1194	6,767,954.5	1,837,171.9	1,026.80				Average	Y
		point1195	1195	6,767,801.0	1,837,261.8	1,025.70				Average	
		point1196	1196	6,767,549.0	1,837,409.4	1,023.30				Average	
		point1197	1197	6,767,275.5	1,837,569.2	1,021.00					
Newport EB	12.0	point1203	1203	6,767,271.0	1,837,561.9	1,021.00				Average	
		point1202	1202	6,767,544.5	1,837,402.0	1,023.30				Average	
		point1201	1201	6,767,796.5	1,837,254.2	1,025.70				Average	Y
		point1200	1200	6,767,950.0	1,837,164.5	1,026.80				Average	
		point1199	1199	6,768,091.0	1,837,082.1	1,028.00				Average	
		point1198	1198	6,768,164.0	1,837,041.5	1,028.00					
Michigan NB	26.0	point1355	1355	6,766,985.5	1,834,055.4	991.30				Average	
		point1354	1354	6,766,982.0	1,834,126.5	991.30				Average	
		point1353	1353	6,766,981.5	1,834,514.9	991.30				Average	

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		point1352	1352	6,766,980.5	1,834,719.8	992.10				Average
		point1351	1351	6,766,978.0	1,834,887.1	992.80				Average
		point1610	1610	6,766,978.0	1,834,974.4	995.00				
Michigan NB	24.0	point1359	1359	6,767,009.0	1,832,948.9	991.30				Average
		point1358	1358	6,767,001.0	1,833,231.8	991.30				Average
		point1357	1357	6,766,990.0	1,833,648.6	991.30				Average
		point1356	1356	6,766,985.5	1,834,055.4	991.30				
Michigan SB	26.0	point1609	1609	6,766,954.0	1,834,973.2	993.80				Average
		point1363	1363	6,766,954.0	1,834,886.4	992.70				Average
		point1362	1362	6,766,955.5	1,834,718.0	992.40				Average
		point1361	1361	6,766,958.5	1,834,513.8	991.20				Average
		point1360	1360	6,766,956.0	1,834,127.6	991.20				
Michigan SB	24.0	point1372	1372	6,766,956.0	1,834,127.6	991.20				Average
		point1371	1371	6,766,961.5	1,834,054.5	991.20				Average
		point1370	1370	6,766,972.5	1,833,647.6	991.20				Average
		point1369	1369	6,766,982.5	1,833,230.0	991.20				Average
		point1368	1368	6,766,983.5	1,832,948.8	991.20				
Grand Terrace NB	24.0	point1462	1462	6,765,390.0	1,835,401.0	973.70	Stop	0.00	100	Average
		point1461	1461	6,765,393.5	1,835,410.8	972.50				Average
		point1429	1429	6,765,427.5	1,835,587.1	971.00				Average
		point1428	1428	6,765,464.5	1,835,756.8	970.50				Average
		point1427	1427	6,765,515.5	1,836,008.1	972.00				Average
		point1426	1426	6,765,566.5	1,836,269.1	974.00				Average
		point1425	1425	6,765,596.5	1,836,448.8	976.00				Average
		point1424	1424	6,765,696.5	1,836,976.8	979.30				
Grand Terrace NB	18.0	point1439	1439	6,765,696.5	1,836,976.8	979.30	Stop	0.00	100	Average
		point1438	1438	6,765,707.0	1,837,002.5	978.70				Average
		point1437	1437	6,765,713.5	1,837,015.4	978.00				Average
		point1436	1436	6,765,725.5	1,837,037.5	977.40				Average
		point1435	1435	6,765,777.5	1,837,150.5	969.50				Average
		point1434	1434	6,765,800.5	1,837,183.2	969.50				Average
		point1433	1433	6,765,829.5	1,837,210.5	969.50				Average
		point1432	1432	6,765,853.0	1,837,247.2	969.50				Average
		point1431	1431	6,765,892.0	1,837,349.2	969.50				Average
		point1430	1430	6,765,991.0	1,837,558.8	969.50				
Grand Terrace SB	24.0	point1440	1440	6,765,711.0	1,837,042.0	977.10	Stop	0.00	100	Average
		point1472	1472	6,765,701.5	1,837,021.2	978.60				Average
		point1473	1473	6,765,697.0	1,837,009.1	978.80				Average
		point1441	1441	6,765,687.5	1,836,981.9	979.30				Average

INPUT: ROADWAYS

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		point1442	1442	6,765,583.0	1,836,449.9	976.00				Average
		point1443	1443	6,765,546.5	1,836,273.5	974.00				Average
		point1444	1444	6,765,495.5	1,836,012.1	972.00				Average
		point1448	1448	6,765,443.0	1,835,759.0	970.50				Average
		point1449	1449	6,765,409.5	1,835,580.6	971.00				Average
		point1450	1450	6,765,379.5	1,835,410.8	972.30				Average
		point1451	1451	6,765,376.5	1,835,400.6	973.30				
Grand Terrace SB	18.0	point1460	1460	6,765,977.0	1,837,563.9	968.90				Average
		point1459	1459	6,765,879.5	1,837,352.8	968.90				Average
		point1458	1458	6,765,839.5	1,837,252.1	968.90				Average
		point1457	1457	6,765,817.5	1,837,216.2	968.90				Average
		point1456	1456	6,765,789.5	1,837,190.9	968.90				Average
		point1455	1455	6,765,764.0	1,837,157.6	968.90				Average
		point1454	1454	6,765,711.0	1,837,042.0	977.10				
Commerce NB	40.0	point1486	1486	6,765,960.0	1,834,052.1	969.00				Average
		point2230	2230	6,765,957.5	1,834,151.1	969.30				Average
		point1485	1485	6,765,955.0	1,834,274.6	969.70				
Commerce NB	24.0	point1529	1529	6,765,955.0	1,834,274.6	969.70	Signal	0.00	100	Average
		point1506	1506	6,765,952.5	1,834,413.2	970.30				Average
		point1505	1505	6,765,958.0	1,834,546.6	971.00				Average
		point1504	1504	6,765,986.5	1,834,638.8	971.10				Average
		point1503	1503	6,766,037.5	1,834,719.6	971.20				Average
		point1502	1502	6,766,103.5	1,834,792.9	971.70				Average
		point1501	1501	6,766,177.0	1,834,853.1	971.80				Average
		point1500	1500	6,766,260.5	1,834,901.8	972.50				Average
		point1499	1499	6,766,352.0	1,834,936.8	976.00				Average
		point1498	1498	6,766,447.5	1,834,957.2	977.00				Average
		point1497	1497	6,766,546.0	1,834,963.2	979.50				Average
		point1496	1496	6,766,645.5	1,834,965.6	981.00				Average
		point1495	1495	6,766,745.0	1,834,968.6	983.00				Average
		point1494	1494	6,766,844.5	1,834,971.2	985.00				Average
		point1493	1493	6,766,940.5	1,834,973.8	987.00				Average
		point1607	1607	6,766,954.0	1,834,973.2	993.80				Average
		point1608	1608	6,766,978.0	1,834,974.4	995.00				Average
		point1492	1492	6,767,042.0	1,834,995.2	989.50				Average
		point1491	1491	6,767,127.0	1,835,043.2	991.50				Average
		point1490	1490	6,767,196.5	1,835,122.2	993.00				Average
		point1489	1489	6,767,239.5	1,835,213.9	995.00				Average
		point1488	1488	6,767,266.5	1,835,317.6	997.00				Average

INPUT: ROADWAYS

I-215/Barton Road Interchange

		point1606	1606	6,767,275.5	1,835,370.2	999.70					
Commerce SB	40.0	point1613	1613	6,765,922.0	1,834,413.4	970.30	Signal	0.00	100	Average	
		point1614	1614	6,765,922.5	1,834,367.8	970.30				Average	
		point1612	1612	6,765,922.5	1,834,316.0	969.80				Average	
		point1507	1507	6,765,923.5	1,834,274.2	969.70				Average	
		point1508	1508	6,765,925.0	1,834,151.8	969.30				Average	
		point1509	1509	6,765,925.5	1,834,051.2	969.00					
Commerce SB	24.0	point1605	1605	6,767,221.0	1,835,370.8	1,001.00	Signal	0.00	100	Average	
		point1510	1510	6,767,206.0	1,835,309.8	997.00				Average	
		point1511	1511	6,767,189.0	1,835,222.4	995.00				Average	
		point1512	1512	6,767,157.0	1,835,148.8	993.00				Average	
		point1513	1513	6,767,099.5	1,835,083.8	991.50				Average	
		point1514	1514	6,767,026.5	1,835,040.6	989.50				Average	
		point1515	1515	6,766,938.5	1,835,023.5	987.00				Average	
		point1516	1516	6,766,844.0	1,835,017.0	985.00				Average	
		point1517	1517	6,766,743.5	1,835,011.2	983.00				Average	
		point1518	1518	6,766,644.0	1,835,006.1	981.00				Average	
		point1519	1519	6,766,543.5	1,835,000.2	979.50				Average	
		point1520	1520	6,766,442.5	1,834,991.8	977.00				Average	
		point1521	1521	6,766,342.5	1,834,969.2	976.00				Average	
		point1522	1522	6,766,247.5	1,834,931.9	972.50				Average	
		point1523	1523	6,766,159.0	1,834,879.4	971.80				Average	
		point1524	1524	6,766,081.0	1,834,814.2	971.70				Average	
		point1525	1525	6,766,013.0	1,834,738.4	971.20				Average	
		point1526	1526	6,765,958.5	1,834,651.8	971.10				Average	
		point1527	1527	6,765,929.5	1,834,554.6	971.00				Average	
		point1528	1528	6,765,922.0	1,834,413.4	970.30					
Vivienda Ct WB	20.0	point1620	1620	6,767,374.5	1,836,033.4	1,006.40				Average	
		point1619	1619	6,767,360.0	1,836,041.5	1,006.50				Average	
		point1618	1618	6,767,204.0	1,836,136.2	1,007.50				Average	
		point1617	1617	6,767,103.0	1,836,197.5	1,003.60					
Vivienda Ct EB	20.0	point1624	1624	6,767,094.0	1,836,184.8	1,003.60				Average	
		point1623	1623	6,767,197.5	1,836,120.8	1,007.50				Average	
		point1622	1622	6,767,352.0	1,836,022.4	1,006.50				Average	
		point1621	1621	6,767,370.0	1,836,012.4	1,004.70					
Barton Median	24.0	point1643	1643	6,765,307.0	1,835,378.4	972.00				Average	
		point1642	1642	6,765,407.0	1,835,376.5	974.40				Average	
		point1641	1641	6,765,506.5	1,835,381.9	976.50				Average	
		point1640	1640	6,765,607.0	1,835,380.4	978.00				Average	

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		point1639	1639	6,765,707.0	1,835,381.1	980.00				Average	
		point1638	1638	6,765,841.0	1,835,382.9	984.00				Average	
		point1637	1637	6,765,986.5	1,835,381.9	986.40				Average	Y
		point1636	1636	6,766,104.5	1,835,384.5	988.80				Average	Y
		point1635	1635	6,766,205.5	1,835,387.2	989.80				Average	Y
		point1634	1634	6,766,305.5	1,835,386.4	990.00				Average	Y
		point1633	1633	6,766,406.5	1,835,387.8	989.30				Average	
		point1632	1632	6,766,506.5	1,835,389.1	988.50				Average	
		point1631	1631	6,766,606.5	1,835,390.2	988.50				Average	
		point1630	1630	6,766,707.5	1,835,390.2	988.10				Average	
		point1629	1629	6,766,807.0	1,835,391.5	990.90				Average	
		point1628	1628	6,766,907.0	1,835,392.1	992.00				Average	
		point1627	1627	6,767,006.0	1,835,393.4	993.50				Average	
		point1626	1626	6,767,107.5	1,835,395.2	995.50				Average	
		point2329	2329	6,767,193.5	1,835,394.5	997.50				Average	
		point2330	2330	6,767,323.5	1,835,397.0	1,000.30				Average	
		point2331	2331	6,767,406.5	1,835,397.1	1,002.00				Average	
		point2332	2332	6,767,506.5	1,835,399.0	1,003.50				Average	
		point2333	2333	6,767,606.5	1,835,399.5	1,006.50				Average	
		point2334	2334	6,767,705.5	1,835,400.9	1,008.70				Average	
		point2335	2335	6,767,807.5	1,835,402.0	1,011.00				Average	
		point2336	2336	6,767,906.0	1,835,403.4	1,014.50				Average	
		point2337	2337	6,768,005.5	1,835,410.1	1,017.00				Average	
		point2338	2338	6,768,105.5	1,835,411.6	1,018.90				Average	
		point2339	2339	6,768,205.5	1,835,414.9	1,021.00				Average	
		point2340	2340	6,768,305.5	1,835,416.0	1,024.00				Average	
		point2341	2341	6,768,405.5	1,835,417.2	1,026.70				Average	
		point2342	2342	6,768,505.5	1,835,417.9	1,029.40				Average	
		point2343	2343	6,768,740.0	1,835,416.8	1,029.00				Average	
		point2345	2345	6,768,978.0	1,835,420.4	1,029.00				Average	
		point2344	2344	6,769,179.5	1,835,422.0	1,029.00				Average	
		point1625	1625	6,769,415.5	1,835,425.2	1,029.00					
Commerce Median	32.0	point1665	1665	6,765,935.5	1,834,052.0	969.00				Average	
		point1664	1664	6,765,935.0	1,834,151.8	969.30				Average	
		point1663	1663	6,765,934.0	1,834,273.9	969.70				Average	
		point1662	1662	6,765,934.0	1,834,413.8	970.30				Average	
		point1661	1661	6,765,941.0	1,834,551.6	971.00				Average	
		point1660	1660	6,765,970.5	1,834,647.0	971.10				Average	
		point1659	1659	6,766,023.5	1,834,730.8	971.20				Average	

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		point1658	1658	6,766,090.0	1,834,805.6	971.70				Average
		point1657	1657	6,766,167.5	1,834,868.4	971.80				Average
		point1656	1656	6,766,253.5	1,834,918.2	972.50				Average
		point1655	1655	6,766,347.0	1,834,954.5	976.00				Average
		point1654	1654	6,766,445.0	1,834,974.8	977.00				Average
		point1653	1653	6,766,544.5	1,834,981.0	979.50				Average
		point1652	1652	6,766,644.5	1,834,985.8	981.00				Average
		point1651	1651	6,766,744.5	1,834,990.8	983.00				Average
		point1650	1650	6,766,845.0	1,834,995.0	985.00				Average
		point1649	1649	6,766,939.5	1,834,996.2	987.00				Average
		point1648	1648	6,767,033.0	1,835,020.1	989.50				Average
		point1647	1647	6,767,113.0	1,835,065.0	991.50				Average
		point1646	1646	6,767,176.0	1,835,135.8	993.00				Average
		point1645	1645	6,767,211.5	1,835,218.0	995.00				Average
		point1666	1666	6,767,237.0	1,835,312.2	997.00				Average
		point1644	1644	6,767,245.5	1,835,370.4	998.00				
Barton NB Off-Ramp	35.0	point1235	1235	6,764,572.5	1,833,546.6	932.00				Average
		point1234	1234	6,764,674.5	1,833,641.4	936.60				Average
		point1233	1233	6,764,750.0	1,833,710.5	940.80				Average
		point1232	1232	6,764,823.0	1,833,776.8	944.00				Average
		point1231	1231	6,764,898.0	1,833,844.6	947.00				Average
		point1230	1230	6,764,971.5	1,833,911.8	950.00				Average
		point1801	1801	6,765,046.0	1,833,979.8	952.80				Average
		point1803	1803	6,765,119.5	1,834,046.8	954.80				Average
		point1804	1804	6,765,193.5	1,834,113.2	956.50				Average
		point1805	1805	6,765,267.0	1,834,180.8	957.70				Average
		point1806	1806	6,765,344.0	1,834,242.6	958.90				Average
		point1807	1807	6,765,429.0	1,834,287.2	960.10				Average
		point1808	1808	6,765,522.5	1,834,313.8	962.00				Average
		point1809	1809	6,765,620.0	1,834,316.5	963.80				Average
		point1810	1810	6,765,721.0	1,834,316.5	965.20				Average
		point1811	1811	6,765,821.0	1,834,317.2	967.90				Average
		point1812	1812	6,765,922.5	1,834,316.0	969.80				
Barton SB On Ramp 1	40.0	point1820	1820	6,765,920.0	1,835,412.4	983.80	Onramp	10.00	100	Average
		point1822	1822	6,765,933.5	1,835,473.9	983.00				Average
		point1823	1823	6,765,958.0	1,835,569.6	981.60				Average
		point1824	1824	6,765,983.5	1,835,668.8	979.80				Average
		point1825	1825	6,766,011.0	1,835,759.1	977.60				Average
		point1826	1826	6,766,078.5	1,835,819.8	974.90				Average

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		point1827	1827	6,766,173.5	1,835,824.4	972.30				Average
		point1828	1828	6,766,243.0	1,835,775.0	969.60				Average
		point1829	1829	6,766,270.0	1,835,686.5	966.90				Average
		point1830	1830	6,766,235.5	1,835,601.5	964.00				
Barton SB On Ramp 2	40.0	point1844	1844	6,766,235.5	1,835,601.5	964.00	Onramp	35.00	100	Average
		point1831	1831	6,766,171.5	1,835,528.9	962.00				Average
		point1832	1832	6,766,107.5	1,835,455.8	960.80				Average
		point1833	1833	6,766,041.5	1,835,381.1	960.00				Average
		point1834	1834	6,765,974.5	1,835,303.2	959.70				Average
		point1835	1835	6,765,912.0	1,835,225.8	960.30				Average
		point1836	1836	6,765,848.0	1,835,145.4	960.50				Average
		point1837	1837	6,765,789.5	1,835,064.8	960.80				Average
		point1838	1838	6,765,728.5	1,834,986.2	961.00				Average
		point1839	1839	6,765,664.5	1,834,909.0	961.20				Average
		point1840	1840	6,765,601.5	1,834,833.0	961.30				Average
		point1841	1841	6,765,535.5	1,834,756.9	961.00				Average
		point1842	1842	6,765,468.0	1,834,681.9	960.70				Average
		point1843	1843	6,765,403.0	1,834,608.4	960.30				Average
		point1731	1731	6,765,285.0	1,834,466.8	960.40				Average
		point1730	1730	6,765,122.0	1,834,283.0	958.70				Average
		point1729	1729	6,764,958.0	1,834,105.6	954.80				Average
		point1728	1728	6,764,817.0	1,833,954.8	948.40				Average
		point1727	1727	6,764,646.0	1,833,773.8	939.80				Average
		point1726	1726	6,764,495.0	1,833,613.5	932.00				Average
		point1725	1725	6,764,357.0	1,833,466.1	925.50				Average
		point1724	1724	6,764,169.0	1,833,268.2	919.50				Average
		point1723	1723	6,764,003.5	1,833,086.0	918.20				Average
		point1722	1722	6,763,841.0	1,832,895.9	917.10				Average
		point1721	1721	6,763,688.0	1,832,705.5	916.30				Average
		point1720	1720	6,763,536.5	1,832,506.6	915.40				Average
		point1719	1719	6,763,352.0	1,832,260.6	915.40				
Barton NB On Ramp	35.0	point1846	1846	6,765,922.5	1,834,367.8	970.30	Onramp	10.00	100	Average
		point1848	1848	6,765,802.5	1,834,368.9	967.30				Average
		point1849	1849	6,765,703.0	1,834,367.4	965.30				Average
		point1850	1850	6,765,619.5	1,834,375.6	964.10				Average
		point1851	1851	6,765,556.0	1,834,488.2	963.50				Average
		point1852	1852	6,765,603.0	1,834,563.8	963.00				Average
		point1853	1853	6,765,668.0	1,834,637.0	962.50				Average
		point1854	1854	6,765,736.5	1,834,711.0	962.00				Average

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		point1855	1855	6,765,802.5	1,834,783.4	961.50				Average
		point1856	1856	6,765,870.0	1,834,856.8	961.00				Average
		point1857	1857	6,765,938.0	1,834,930.2	960.50				Average
		point1858	1858	6,766,007.0	1,835,004.1	960.00				Average
		point1859	1859	6,766,075.0	1,835,075.4	959.50				Average
		point1860	1860	6,766,143.5	1,835,149.8	959.00				Average
		point1861	1861	6,766,210.5	1,835,224.0	959.00				Average
		point1862	1862	6,766,278.0	1,835,296.9	961.00				Average
		point1863	1863	6,766,346.5	1,835,370.0	962.50				Average
		point1864	1864	6,766,414.5	1,835,443.9	965.00				Average
		point1865	1865	6,766,481.5	1,835,516.4	968.00				Average
		point1866	1866	6,766,548.0	1,835,593.9	971.80				Average
		point1867	1867	6,766,610.5	1,835,671.2	975.00				Average
		point1868	1868	6,766,668.5	1,835,754.6	978.00				Average
		point1869	1869	6,766,729.5	1,835,833.5	982.50				Average
		point1870	1870	6,766,791.0	1,835,911.9	985.50				Average
		point1871	1871	6,766,855.0	1,835,988.0	988.50				Average
		point1872	1872	6,766,921.5	1,836,062.2	992.00				Average
		point1873	1873	6,766,987.0	1,836,136.6	995.00				Average
		point1874	1874	6,767,053.5	1,836,211.9	999.40				Average
		point2010	2010	6,767,149.5	1,836,335.2	991.00				Average
		point2011	2011	6,767,237.0	1,836,432.8	992.40				Average
		point2012	2012	6,767,419.0	1,836,628.9	995.00				Average
		point2013	2013	6,767,492.0	1,836,706.9	996.50				Average
		point2014	2014	6,767,580.0	1,836,801.8	997.90				Average
		point2016	2016	6,767,729.5	1,836,966.0	1,007.10				Average
		point1684	1684	6,767,885.5	1,837,133.5	1,007.00				Average
		point1683	1683	6,768,057.5	1,837,319.2	1,004.90				Average
		point1682	1682	6,768,208.5	1,837,481.8	1,002.00				Average
		point1681	1681	6,768,391.0	1,837,677.0	998.40				Average
		point1680	1680	6,768,541.5	1,837,840.9	995.40				Average
		point1679	1679	6,768,698.0	1,838,001.5	993.00				Average
		point1678	1678	6,768,847.0	1,838,143.2	990.00				Average
		point1677	1677	6,769,004.0	1,838,291.8	985.00				Average
		point1676	1676	6,769,175.5	1,838,440.0	979.50				Average
		point1675	1675	6,769,355.5	1,838,594.9	973.60				Average
		point1674	1674	6,769,549.0	1,838,757.0	966.40				
Barton SB Off Ramp	25.0	point2019	2019	6,767,097.0	1,836,445.2	1,001.90				Average
		point2021	2021	6,767,023.5	1,836,378.1	999.70				Average

INPUT: ROADWAYS

I-215/Barton Road Interchange

		point2022	2022	6,766,948.5	1,836,311.2	997.50				Average
		point2023	2023	6,766,874.0	1,836,243.4	995.40				Average
		point2024	2024	6,766,800.5	1,836,177.2	992.30				Average
		point2025	2025	6,766,722.0	1,836,116.8	989.20				Average
		point2026	2026	6,766,635.5	1,836,071.2	988.00				Average
		point2035	2035	6,766,541.5	1,836,040.2	986.70				Average
		point2036	2036	6,766,446.0	1,836,013.9	983.50				Average
		point2037	2037	6,766,348.5	1,835,989.0	981.50				Average
		point2038	2038	6,766,252.0	1,835,962.8	979.50				Average
		point2027	2027	6,766,153.5	1,835,945.0	978.30				Average
		point2039	2039	6,766,057.5	1,835,897.4	978.00				Average
		point2040	2040	6,765,988.5	1,835,819.2	977.50				Average
		point2028	2028	6,765,952.5	1,835,717.9	978.00				Average
		point2029	2029	6,765,928.5	1,835,621.4	979.00				Average
		point2030	2030	6,765,902.5	1,835,524.9	981.00				Average
		point2031	2031	6,765,881.0	1,835,427.2	983.00				Average
		point2032	2032	6,765,877.5	1,835,410.9	983.40				
Barton EB (SB Ramps to Michigan)	36.0	point2226	2226	6,766,607.0	1,835,366.0	988.50	Signal	0.00	100	Average
		point1076	1076	6,766,706.5	1,835,366.5	988.10				Average
		point313	424	6,766,806.0	1,835,367.1	990.90				Average
		point312	312	6,766,906.5	1,835,368.9	992.00				Average
		point311	311	6,767,005.5	1,835,369.5	993.50				Average
		point310	310	6,767,107.5	1,835,370.0	995.50				Average
		point309	309	6,767,178.5	1,835,370.2	997.50				
Barton WB (Cadena to Grand Terrace)	24.0	point2227	2227	6,765,506.0	1,835,399.0	976.50	Signal	0.00	100	Average
		point1563	1563	6,765,405.5	1,835,400.8	974.40				Average
		point1593	1593	6,765,389.5	1,835,400.4	972.40				Average
		point1594	1594	6,765,375.5	1,835,400.0	972.40				Average
		point411	411	6,765,306.5	1,835,396.9	972.00				Average
		point338	338	6,765,205.5	1,835,396.9	971.50				Average
		point1111	1111	6,765,106.0	1,835,392.0	972.00				Average
		point1558	1558	6,765,006.0	1,835,388.1	973.50				Average
		point1559	1559	6,764,906.5	1,835,387.9	977.50				Average
		point1560	1560	6,764,806.0	1,835,387.9	980.00				Average
		point1561	1561	6,764,792.5	1,835,387.9	980.00				
I-215 NB HOV	34.0	point2241	2241	6,763,403.5	1,832,218.2	915.20				Average
		point2242	2242	6,763,590.0	1,832,465.5	915.20				Average
		point2243	2243	6,763,739.5	1,832,665.0	915.60				Average
		point2244	2244	6,763,893.5	1,832,857.4	916.50				Average

INPUT: ROADWAYS

I-215/Barton Road Interchange

		point2245	2245	6,764,053.0	1,833,044.1	917.70				Average	
		point2246	2246	6,764,220.5	1,833,226.8	919.20				Average	
		point2247	2247	6,764,401.0	1,833,421.8	925.20				Average	
		point2248	2248	6,764,541.0	1,833,573.0	932.10				Average	
		point2249	2249	6,764,691.5	1,833,735.8	940.00				Average	
		point2250	2250	6,764,859.5	1,833,916.4	949.00				Average	
		point2251	2251	6,765,000.0	1,834,068.5	955.20				Average	
		point2252	2252	6,765,163.5	1,834,244.4	959.20				Average	
		point2253	2253	6,765,332.5	1,834,426.5	960.40				Average	
		point2254	2254	6,765,514.0	1,834,622.8	961.20				Average	
		point2255	2255	6,765,687.5	1,834,809.5	961.90				Average	
		point2256	2256	6,765,877.0	1,835,014.1	962.30				Average	
		point2257	2257	6,766,037.0	1,835,185.5	962.90				Average	
		point2258	2258	6,766,205.5	1,835,367.5	963.00				Average	
		point2259	2259	6,766,389.5	1,835,566.2	968.10				Average	
		point2260	2260	6,766,557.5	1,835,747.2	976.00				Average	
		point2261	2261	6,766,730.0	1,835,932.2	985.00				Average	
		point2262	2262	6,766,868.5	1,836,083.5	992.00				Average	
		point2263	2263	6,767,032.0	1,836,259.1	999.10				Average	
		point2264	2257	6,767,212.5	1,836,453.1	1,004.30				Average	
		point2265	2265	6,767,395.0	1,836,650.9	1,006.70				Average	
		point2266	2266	6,767,556.0	1,836,824.1	1,006.80				Average	
		point2267	2267	6,767,708.0	1,836,987.5	1,007.50				Average	
		point2268	2268	6,767,862.0	1,837,154.2	1,007.40				Average	
		point2269	2269	6,768,033.5	1,837,338.9	1,004.80				Average	
		point2270	2270	6,768,186.5	1,837,503.8	1,002.30				Average	
		point2271	2271	6,768,366.5	1,837,697.2	998.70				Average	
		point2272	2272	6,768,519.5	1,837,861.4	995.60				Average	
		point2273	2273	6,768,676.0	1,838,022.1	993.30				Average	
		point2274	2274	6,768,825.0	1,838,165.5	990.10				Average	
		point2275	2275	6,768,982.0	1,838,313.1	985.20				Average	
		point2276	2276	6,769,154.0	1,838,461.9	979.50				Average	
		point2277	2277	6,769,334.0	1,838,616.8	973.70				Average	
		point2240	2240	6,769,527.5	1,838,779.1	966.90					
I-215 SB HOV	34.0	point2279	2279	6,769,501.0	1,838,802.5	967.00				Average	
		point2280	2280	6,769,306.5	1,838,640.4	973.60				Average	
		point2281	2281	6,769,128.5	1,838,487.8	979.80				Average	
		point2282	2282	6,768,956.0	1,838,337.6	985.60				Average	
		point2283	2283	6,768,799.5	1,838,189.8	990.80				Average	

INPUT: ROADWAYS

I-215/Barton Road Interchange

		point2284	2284	6,768,650.5	1,838,045.8	993.50				Average
		point2285	2285	6,768,494.5	1,837,884.5	996.00				Average
		point2286	2286	6,768,338.0	1,837,718.4	998.70				Average
		point2287	2287	6,768,160.5	1,837,526.5	1,002.00				Average
		point2288	2288	6,768,008.5	1,837,361.2	1,004.60				Average
		point2289	2289	6,767,834.5	1,837,174.9	1,007.00				Average
		point2290	2290	6,767,682.0	1,837,010.4	1,007.30				Average
		point2291	2291	6,767,530.5	1,836,847.8	1,007.10				Average
		point2292	2292	6,767,370.0	1,836,674.0	1,006.40				Average
		point2293	2293	6,767,186.0	1,836,475.1	1,004.10				Average
		point2294	2294	6,767,004.5	1,836,279.8	999.10				Average
		point2295	2295	6,766,842.0	1,836,104.1	992.10				Average
		point2296	2296	6,766,703.5	1,835,954.2	984.90				Average
		point2297	2297	6,766,530.5	1,835,767.8	976.10				Average
		point2298	2298	6,766,362.0	1,835,586.6	967.90				Average
		point2299	2299	6,766,148.0	1,835,356.8	963.10				Average
		point2300	2300	6,766,013.0	1,835,211.2	963.00				Average
		point2301	2301	6,765,850.5	1,835,035.4	962.30				Average
		point2302	2302	6,765,661.5	1,834,830.8	961.80				Average
		point2303	2303	6,765,488.0	1,834,644.2	961.20				Average
		point2304	2304	6,765,306.0	1,834,448.9	960.40				Average
		point2305	2305	6,765,137.5	1,834,267.5	959.10				Average
		point2306	2306	6,764,974.0	1,834,090.8	955.20				Average
		point2307	2307	6,764,833.0	1,833,939.1	948.90				Average
		point2308	2308	6,764,663.5	1,833,756.9	940.00				Average
		point2309	2309	6,764,514.5	1,833,594.9	932.10				Average
		point2310	2310	6,764,376.0	1,833,445.8	925.10				Average
		point2311	2311	6,764,192.5	1,833,247.8	919.20				Average
		point2312	2312	6,764,027.0	1,833,064.9	917.90				Average
		point2313	2313	6,763,866.0	1,832,877.9	916.80				Average
		point2314	2314	6,763,712.0	1,832,686.6	916.00				Average
		point2315	2315	6,763,562.0	1,832,486.2	915.20				Average
		point2278	2278	6,763,374.0	1,832,236.8	915.20				
Barton EB (Grand Terrace to SB Ramps)	36.0	point2326	2326	6,765,308.0	1,835,358.8	972.00	Signal	0.00	100	Average
		point2325	2325	6,765,406.5	1,835,360.8	974.40				Average
		point2324	2324	6,765,506.5	1,835,361.4	976.50				Average
		point2323	2323	6,765,608.0	1,835,360.9	978.00				Average
		point2322	2322	6,765,707.0	1,835,361.6	980.00				Average
		point2321	2321	6,765,839.5	1,835,361.1	984.00				

INPUT: ROADWAYS

I-215/Barton Road Interchange

I-215 NB Aux Lane	12.0	point2348	2348	6,763,440.5	1,832,188.2	914.50				Average
		point2349	2349	6,763,627.5	1,832,435.5	914.50				Average
		point2350	2350	6,763,777.5	1,832,634.9	915.10				Average
		point2351	2351	6,763,931.0	1,832,826.8	916.10				Average
		point2352	2352	6,764,089.0	1,833,012.2	917.00				Average
		point2353	2353	6,764,256.5	1,833,195.6	918.50				Average
		point2354	2354	6,764,436.5	1,833,390.0	925.00				Average
		point2347	2347	6,764,577.5	1,833,541.6	932.00				
I-215 NB Lanes 1 & 2	24.0	point2346	2346	6,763,426.5	1,832,199.9	914.50				Average
		point2237	2237	6,763,613.5	1,832,447.1	914.50				Average
		point2236	2236	6,763,763.5	1,832,646.5	915.10				Average
		point2235	2235	6,763,917.0	1,832,838.2	916.10				Average
		point2234	2234	6,764,075.5	1,833,023.5	917.00				Average
		point2233	2233	6,764,242.5	1,833,207.2	918.50				Average
		point2232	2232	6,764,422.0	1,833,401.6	925.00				Average
		point962	962	6,764,563.5	1,833,553.2	932.00				Average
		point961	961	6,764,713.5	1,833,715.5	940.00				Average
		point960	960	6,764,881.5	1,833,896.2	949.00				Average
		point959	959	6,765,022.5	1,834,048.8	955.00				Average
		point2239	2239	6,765,185.5	1,834,224.4	958.90				Average
		point958	958	6,765,355.0	1,834,406.8	960.20				Average
		point957	957	6,765,536.5	1,834,602.8	960.80				Average
		point956	956	6,765,709.5	1,834,788.9	961.60				Average
		point955	955	6,765,900.0	1,834,994.6	962.10				Average
		point954	954	6,766,058.0	1,835,164.9	962.90				Average
		point1746	1746	6,766,228.0	1,835,348.8	963.20				Average
		point952	952	6,766,412.5	1,835,547.1	968.00				Average
		point951	951	6,766,580.5	1,835,727.4	976.00				Average
		point950	950	6,766,751.5	1,835,912.1	985.00				Average
		point949	949	6,766,891.5	1,836,063.8	992.00				Average
		point948	948	6,767,054.5	1,836,239.2	999.00				Average
		point947	947	6,767,235.5	1,836,433.4	1,004.00				Average
		point946	946	6,767,417.5	1,836,631.0	1,006.20				Average
		point945	945	6,767,578.5	1,836,804.0	1,006.40				Average
		point944	944	6,767,729.0	1,836,966.8	1,007.10				Average
		point943	943	6,767,884.5	1,837,134.2	1,007.00				Average
		point942	942	6,768,057.0	1,837,320.1	1,004.90				Average
		point941	941	6,768,208.0	1,837,482.4	1,002.00				Average
		point940	940	6,768,390.0	1,837,678.5	998.40				Average

INPUT: ROADWAYS

I-215/Barton Road Interchange

		point939	939	6,768,541.0	1,837,841.4	995.40				Average
		point938	938	6,768,698.0	1,838,002.0	993.00				Average
		point937	937	6,768,846.5	1,838,143.8	990.00				Average
		point936	936	6,769,004.0	1,838,292.2	985.00				Average
		point935	935	6,769,175.5	1,838,440.5	979.50				Average
		point934	934	6,769,355.5	1,838,595.4	973.60				Average
		point38	38	6,769,549.0	1,838,757.5	966.40				
I-215 SB Lanes 1 & 2	24.0	point1025	1025	6,769,477.5	1,838,823.0	966.50				Average
		point1024	1024	6,769,284.0	1,838,661.8	973.10				Average
		point1023	1023	6,769,106.0	1,838,508.8	979.80				Average
		point1022	1022	6,768,933.5	1,838,359.0	985.80				Average
		point1021	1021	6,768,779.0	1,838,210.1	991.00				Average
		point1020	1020	6,768,629.5	1,838,067.2	994.00				Average
		point1019	1019	6,768,473.5	1,837,908.0	996.50				Average
		point1018	1018	6,768,316.5	1,837,739.8	998.70				Average
		point1017	1017	6,768,138.5	1,837,547.4	1,001.90				Average
		point1016	1016	6,767,986.0	1,837,383.0	1,004.80				Average
		point1015	1015	6,767,812.5	1,837,195.1	1,006.90				Average
		point1014	1014	6,767,660.0	1,837,030.8	1,007.10				Average
		point2316	2316	6,767,508.5	1,836,867.2	1,006.70				Average
		point2317	2317	6,767,347.0	1,836,693.6	1,006.20				Average
		point1011	1011	6,767,163.0	1,836,494.9	1,004.00				Average
		point1010	1010	6,766,982.0	1,836,299.6	998.90				Average
		point1009	1009	6,766,819.5	1,836,124.2	992.00				Average
		point1008	1008	6,766,681.0	1,835,973.9	984.50				Average
		point1007	1007	6,766,508.5	1,835,788.1	976.00				Average
		point1006	1006	6,766,339.5	1,835,606.5	967.80				Average
		point1005	1005	6,766,124.5	1,835,375.2	963.30				Average
		point1748	1748	6,766,127.0	1,835,370.6	963.30				Average
		point1004	1004	6,765,997.5	1,835,223.5	962.80				Average
		point1003	1003	6,765,835.5	1,835,048.2	962.20				Average
		point1002	1002	6,765,646.5	1,834,844.8	961.70				Average
		point1001	1001	6,765,472.5	1,834,657.2	960.90				Average
		point1000	1000	6,765,290.5	1,834,461.1	960.40				Average
		point999	999	6,765,123.5	1,834,281.2	958.70				Average
		point998	998	6,764,959.5	1,834,104.2	954.80				Average
		point997	997	6,764,818.0	1,833,953.6	948.40				Average
		point996	996	6,764,647.0	1,833,772.8	939.80				Average
		point157	157	6,764,496.0	1,833,612.2	932.00				Average

INPUT: ROADWAYS**I-215/Barton Road Interchange**

		point156	156	6,764,357.5	1,833,465.6	925.50				Average	
		point155	155	6,764,170.0	1,833,267.6	919.50				Average	
		point154	154	6,764,004.0	1,833,085.2	918.20				Average	
		point153	153	6,763,841.5	1,832,895.2	917.10				Average	
		point152	152	6,763,689.0	1,832,704.4	916.30				Average	
		point151	151	6,763,537.0	1,832,505.9	915.40				Average	
		point150	150	6,763,353.0	1,832,259.9	915.40					

INPUT: TERRAIN LINES

I-215/Barton Road Interchange

LSA Associates, Inc.			14 February 2012	
Teak Kim			TNM 2.5	
INPUT: TERRAIN LINES				
PROJECT/CONTRACT:	I-215/Barton Road Interchange			
RUN:	ALT 6			
Terrain Line	Points			
Name	No.	Coordinates (ground)		
		X	Y	Z
		ft	ft	ft
Terrain Line7	39	6,767,978.0	1,837,172.2	1,025.00
	40	6,768,233.0	1,837,429.4	1,029.00
	41	6,768,377.0	1,837,567.2	1,034.00
	42	6,768,576.0	1,837,758.8	1,041.00
	43	6,768,746.5	1,837,915.9	1,045.00
	44	6,768,841.5	1,838,004.2	1,047.00
Terrain Line2	45	6,764,494.0	1,832,926.2	924.00
	46	6,764,638.5	1,833,187.1	925.00
	47	6,764,766.0	1,833,421.2	930.00
	48	6,764,985.5	1,833,803.5	925.00
Terrain Line3	50	6,764,705.0	1,833,226.8	918.00
	51	6,764,789.0	1,833,305.8	927.00
	52	6,764,855.0	1,833,425.2	930.00
	53	6,764,934.0	1,833,562.2	932.00
	54	6,765,013.5	1,833,712.8	933.00
	55	6,765,116.0	1,833,891.8	934.00
Terrain Line4	57	6,764,490.5	1,832,773.4	942.00
	58	6,764,662.5	1,833,022.9	942.00
	59	6,764,786.0	1,833,228.0	941.00
	60	6,764,916.0	1,833,469.8	948.00
	61	6,765,021.5	1,833,646.2	950.00
	62	6,765,132.5	1,833,841.2	953.00
	63	6,765,197.5	1,833,923.8	955.00
	64	6,765,284.5	1,834,005.1	958.00

INPUT: TERRAIN LINES

I-215/Barton Road Interchange

	65	6,765,341.0	1,834,033.8	958.00
	66	6,765,352.5	1,833,955.9	958.00
	67	6,765,401.0	1,833,994.2	958.00
	68	6,765,399.5	1,834,028.6	958.00
	69	6,765,485.5	1,834,044.5	959.00
	70	6,765,619.0	1,834,045.1	962.00
Terrain Line13	71	6,768,573.0	1,838,171.6	1,060.00
	72	6,768,506.0	1,838,095.1	1,055.00
	73	6,768,407.5	1,837,982.2	1,052.00
	74	6,768,335.0	1,837,893.2	1,049.00
	75	6,768,229.5	1,837,766.8	1,044.00
	76	6,768,119.0	1,837,633.9	1,038.00
	77	6,768,046.0	1,837,532.1	1,032.00
	78	6,767,959.0	1,837,420.8	1,027.00
	79	6,767,826.0	1,837,264.5	1,021.00
Terrain Line12	80	6,767,782.5	1,837,238.9	1,024.00
	81	6,767,742.5	1,837,189.8	1,019.00
	82	6,767,696.0	1,837,126.5	1,018.00
	83	6,767,589.5	1,837,009.4	1,015.00
	84	6,767,492.0	1,836,902.8	1,011.00
	85	6,767,415.5	1,836,819.2	1,008.00
Terrain Line8	95	6,766,721.0	1,836,062.0	993.00
	96	6,766,564.5	1,835,911.9	994.00
	97	6,766,455.5	1,835,809.6	995.00
	98	6,766,337.0	1,835,690.9	991.00
	99	6,766,171.0	1,835,508.8	985.00
	100	6,766,103.5	1,835,420.1	982.00
Terrain Line11	122	6,767,189.0	1,836,790.6	1,003.20
	118	6,767,168.5	1,836,608.0	997.00
	124	6,767,149.0	1,836,589.2	992.00
Terrain Line5	129	6,764,796.5	1,833,654.6	943.50
	130	6,764,928.5	1,833,776.2	939.00
	131	6,765,234.0	1,834,056.8	946.00
	132	6,765,393.0	1,834,199.4	950.50
	133	6,765,477.5	1,834,231.0	948.90
	134	6,765,847.5	1,834,245.2	959.40

INPUT: TERRAIN LINES**I-215/Barton Road Interchange**

Terrain Line10	141	6,766,662.5	1,836,058.0	993.00
	142	6,766,611.0	1,836,021.8	993.90
	143	6,766,532.5	1,835,993.5	993.00
	144	6,766,439.5	1,835,953.1	994.00
	145	6,766,354.5	1,835,924.4	993.80
	146	6,766,296.5	1,835,904.6	993.20
	147	6,766,292.0	1,835,878.5	993.40
	148	6,766,339.5	1,835,837.0	994.00
	149	6,766,376.5	1,835,775.0	994.00
	150	6,766,379.5	1,835,740.9	993.00
Terrain Line6	162	6,766,242.5	1,835,206.8	975.10
	155	6,766,309.0	1,835,190.2	979.00
	156	6,766,337.5	1,835,203.2	980.20
	157	6,766,392.5	1,835,259.1	982.00
	158	6,766,441.0	1,835,309.8	983.90
	159	6,766,471.0	1,835,325.6	985.00
	160	6,766,524.5	1,835,317.2	983.50
	161	6,766,554.5	1,835,330.5	987.00
Terrain Line9	177	6,765,873.0	1,835,711.2	982.55
	175	6,765,858.5	1,835,659.2	982.10
	169	6,765,832.0	1,835,558.9	982.50
	170	6,765,807.5	1,835,460.8	980.00

INPUT: TRAFFIC FOR LAeq1h Volumes

I-215/Barton Road Interchange

LSA Associates, Inc.		14 February 2012										
Teak Kim		TNM 2.5										
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:		I-215/Barton Road Interchange										
RUN:		ALT 6										
Roadway	Points											
Name	Name	No.	Segment		MTrucks		HTrucks		Buses		Motorcycles	
			Autos		V	S	V	S	V	S	V	S
					veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
I-215 NB Lane 3	point995	995	1794	65	78	65	78	55	0	0	0	0
	point994	994	1794	65	78	65	78	55	0	0	0	0
	point993	993	1794	65	78	65	78	55	0	0	0	0
	point992	992	1794	65	78	65	78	55	0	0	0	0
	point991	991	1794	65	78	65	78	55	0	0	0	0
	point990	990	1794	65	78	65	78	55	0	0	0	0
	point989	989	1794	65	78	65	78	55	0	0	0	0
	point988	988	1794	65	78	65	78	55	0	0	0	0
	point987	987	1794	65	78	65	78	55	0	0	0	0
	point986	986	1794	65	78	65	78	55	0	0	0	0
	point985	985	1794	65	78	65	78	55	0	0	0	0
	point984	984	1794	65	78	65	78	55	0	0	0	0
	point983	983	1794	65	78	65	78	55	0	0	0	0
	point982	982	1794	65	78	65	78	55	0	0	0	0
	point981	981	1794	65	78	65	78	55	0	0	0	0
	point980	980	1794	65	78	65	78	55	0	0	0	0
	point979	979	1794	65	78	65	78	55	0	0	0	0
	point978	978	1794	65	78	65	78	55	0	0	0	0
	point977	977	1794	65	78	65	78	55	0	0	0	0
	point976	976	1794	65	78	65	78	55	0	0	0	0
	point975	975	1794	65	78	65	78	55	0	0	0	0
	point974	974	1794	65	78	65	78	55	0	0	0	0
	point973	973	1794	65	78	65	78	55	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes

I-215/Barton Road Interchange

	point972	972	1794	65	78	65	78	55	0	0	0	0
	point971	971	1794	65	78	65	78	55	0	0	0	0
	point970	970	1794	65	78	65	78	55	0	0	0	0
	point969	969	1794	65	78	65	78	55	0	0	0	0
	point968	968	1794	65	78	65	78	55	0	0	0	0
	point967	967	1794	65	78	65	78	55	0	0	0	0
	point966	966	1794	65	78	65	78	55	0	0	0	0
	point115	115	1794	65	78	65	78	55	0	0	0	0
	point114	114	1794	65	78	65	78	55	0	0	0	0
	point113	113	1794	65	78	65	78	55	0	0	0	0
	point112	112	1794	65	78	65	78	55	0	0	0	0
	point111	111	1794	65	78	65	78	55	0	0	0	0
	point110	110	1794	65	78	65	78	55	0	0	0	0
	point109	109	1794	65	78	65	78	55	0	0	0	0
	point108	108										
I-215 SB Lane 3	point1054	1054	1794	65	78	65	78	55	0	0	0	0
	point1053	1053	1794	65	78	65	78	55	0	0	0	0
	point1052	1052	1794	65	78	65	78	55	0	0	0	0
	point1051	1051	1794	65	78	65	78	55	0	0	0	0
	point1050	1050	1794	65	78	65	78	55	0	0	0	0
	point1049	1049	1794	65	78	65	78	55	0	0	0	0
	point1048	1048	1794	65	78	65	78	55	0	0	0	0
	point1047	1047	1794	65	78	65	78	55	0	0	0	0
	point1046	1046	1794	65	78	65	78	55	0	0	0	0
	point1045	1045	1794	65	78	65	78	55	0	0	0	0
	point1044	1044	1794	65	78	65	78	55	0	0	0	0
	point1043	1043	1794	65	78	65	78	55	0	0	0	0
	point1042	1042	1794	65	78	65	78	55	0	0	0	0
	point1041	1041	1794	65	78	65	78	55	0	0	0	0
	point1040	1040	1794	65	78	65	78	55	0	0	0	0
	point1039	1039	1794	65	78	65	78	55	0	0	0	0
	point1038	1038	1794	65	78	65	78	55	0	0	0	0
	point1037	1037	1794	65	78	65	78	55	0	0	0	0
	point1036	1036	1794	65	78	65	78	55	0	0	0	0
	point1035	1035	1794	65	78	65	78	55	0	0	0	0
	point1034	1034	1794	65	78	65	78	55	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes

I-215/Barton Road Interchange

	point1033	1033	1794	65	78	65	78	55	0	0	0	0
	point1032	1032	1794	65	78	65	78	55	0	0	0	0
	point1031	1031	1794	65	78	65	78	55	0	0	0	0
	point1030	1030	1794	65	78	65	78	55	0	0	0	0
	point1029	1029	1794	65	78	65	78	55	0	0	0	0
	point1028	1028	1794	65	78	65	78	55	0	0	0	0
	point1027	1027	1794	65	78	65	78	55	0	0	0	0
	point1026	1026	1794	65	78	65	78	55	0	0	0	0
	point257	257	1794	65	78	65	78	55	0	0	0	0
	point256	256	1794	65	78	65	78	55	0	0	0	0
	point255	255	1794	65	78	65	78	55	0	0	0	0
	point254	254	1794	65	78	65	78	55	0	0	0	0
	point253	253	1794	65	78	65	78	55	0	0	0	0
	point252	252	1794	65	78	65	78	55	0	0	0	0
	point251	251	1794	65	78	65	78	55	0	0	0	0
	point250	250	1794	65	78	65	78	55	0	0	0	0
	point436	436										
Barton EB (Cadena to Grand Terrace)	point260	260	1139	40	48	40	24	35	0	0	0	0
	point421	421	1139	40	48	40	24	0	0	0	0	0
	point259	259	1139	40	48	40	24	35	0	0	0	0
	point258	258										
Barton EB	point1538	1538	1139	40	48	40	24	35	0	0	0	0
	point1537	1537	1139	40	48	40	24	35	0	0	0	0
	point1536	1536	1139	40	48	40	24	35	0	0	0	0
	point1535	1535	1139	40	48	40	24	35	0	0	0	0
	point1534	1534	1139	40	48	40	24	35	0	0	0	0
	point2328	2328	1139	40	48	40	24	35	0	0	0	0
	point1533	1533										
Barton EB (SB Ramps to Michigan)	point1539	1539	1672	40	71	40	36	35	0	0	0	0
	point1075	1075	1672	40	71	40	36	35	0	0	0	0
	point1074	1074	1672	40	71	40	36	35	0	0	0	0
	point1073	1073	1672	40	71	40	36	35	0	0	0	0
	point1072	1072	1672	40	71	40	36	35	0	0	0	0
	point304	304	1672	40	71	40	36	35	0	0	0	0
	point432	432	1672	40	71	40	36	35	0	0	0	0
	point303	303										

INPUT: TRAFFIC FOR LAeq1h Volumes

I-215/Barton Road Interchange

Barton EB (East of Michigan)	point1557	1557	1923	40	82	40	41	35	0	0	0	0
	point1603	1603	1923	40	82	40	41	35	0	0	0	0
	point1604	1604	1923	40	82	40	41	35	0	0	0	0
	point1556	1556	1923	40	82	40	41	35	0	0	0	0
	point1555	1555	1923	40	82	40	41	35	0	0	0	0
	point1554	1554	1923	40	82	40	41	35	0	0	0	0
	point1553	1553	1923	40	82	40	41	35	0	0	0	0
	point1552	1552	1923	40	82	40	41	35	0	0	0	0
	point1551	1551	1923	40	82	40	41	35	0	0	0	0
	point1550	1550	1923	40	82	40	41	35	0	0	0	0
	point1549	1549	1923	40	82	40	41	35	0	0	0	0
	point1548	1548	1923	40	82	40	41	35	0	0	0	0
	point1547	1547	1923	40	82	40	41	35	0	0	0	0
	point1546	1546	1923	40	82	40	41	35	0	0	0	0
	point1545	1545	1923	40	82	40	41	35	0	0	0	0
	point1544	1544	1923	40	82	40	41	35	0	0	0	0
	point1543	1543	1923	40	82	40	41	35	0	0	0	0
	point1542	1542	1923	40	82	40	41	35	0	0	0	0
	point398	1077	1923	40	82	40	41	35	0	0	0	0
	point399	399	1923	40	82	40	41	35	0	0	0	0
	point403	403										
Barton WB (Cadena to Grand Terrace)	point337	337	808	40	34	40	17	35	0	0	0	0
	point336	336	808	40	34	40	17	35	0	0	0	0
	point335	335	808	40	34	40	17	35	0	0	0	0
	point334	334										
Barton WB (Grand Terrace to SB Ramp)	point1583	1583	826	40	35	40	18	35	0	0	0	0
	point1595	1595	826	40	35	40	18	35	0	0	0	0
	point1596	1596	826	40	35	40	18	35	0	0	0	0
	point343	343	826	40	35	40	18	35	0	0	0	0
	point419	419	826	40	35	40	18	35	0	0	0	0
	point344	344	826	40	35	40	18	35	0	0	0	0
	point1562	1562										
Barton WB (SB Ramps to Michigan)	point1112	1112	1408	40	60	40	30	35	0	0	0	0
	point365	365	1408	40	60	40	30	35	0	0	0	0
	point364	364	1408	40	60	40	30	35	0	0	0	0
	point363	1091	1408	40	60	40	30	35	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes

I-215/Barton Road Interchange

	point1117	1117										
Barton WB (SB Ramps to Michigan)	point1584	1584	1408	40	60	40	30	35	0	0	0	0
	point1599	1599	1408	40	60	40	30	35	0	0	0	0
	point1600	1600	1408	40	60	40	30	35	0	0	0	0
	point1113	1113	1408	40	60	40	30	35	0	0	0	0
	point1119	1119	1408	40	60	40	30	35	0	0	0	0
	point372	372	1408	40	60	40	30	35	0	0	0	0
	point1564	1564	1408	40	60	40	30	35	0	0	0	0
	point1565	1565	1408	40	60	40	30	35	0	0	0	0
	point1566	1566	1408	40	60	40	30	35	0	0	0	0
	point1567	1567	1408	40	60	40	30	35	0	0	0	0
	point1568	1568	1408	40	60	40	30	35	0	0	0	0
	point1569	1569										
Barton WB (East of Michigan)	point1095	1095	1358	40	58	40	29	35	0	0	0	0
	point1094	1094	1358	40	58	40	29	35	0	0	0	0
	point1093	1093	1358	40	58	40	29	35	0	0	0	0
	point377	377	1358	40	58	40	29	35	0	0	0	0
	point378	378	1358	40	58	40	29	35	0	0	0	0
	point379	379	1358	40	58	40	29	35	0	0	0	0
	point1570	1570	1358	40	58	40	29	35	0	0	0	0
	point1571	1571	1358	40	58	40	29	35	0	0	0	0
	point1572	1572	1358	40	58	40	29	35	0	0	0	0
	point1573	1573	1358	40	58	40	29	35	0	0	0	0
	point1574	1574	1358	40	58	40	29	35	0	0	0	0
	point1575	1575	1358	40	58	40	29	35	0	0	0	0
	point1576	1576	1358	40	58	40	29	35	0	0	0	0
	point1577	1577	1358	40	58	40	29	35	0	0	0	0
	point1578	1578	1358	40	58	40	29	35	0	0	0	0
	point1579	1579	1358	40	58	40	29	35	0	0	0	0
	point1580	1580	1358	40	58	40	29	35	0	0	0	0
	point1581	1581										
Vivienda Ct WB	point1467	1467	0	0	0	0	0	0	0	0	0	0
	point1466	1466	0	0	0	0	0	0	0	0	0	0
	point1166	1166	0	0	0	0	0	0	0	0	0	0
	point392	392	0	0	0	0	0	0	0	0	0	0
	point391	391	0	0	0	0	0	0	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes

I-215/Barton Road Interchange

	point390	390	0	0	0	0	0	0	0	0	0	0
	point389	389										
Vivienda Ct WB	point395	395	0	0	0	0	0	0	0	0	0	0
	point394	394	0	0	0	0	0	0	0	0	0	0
	point393	393	0	0	0	0	0	0	0	0	0	0
	point418	418										
Vivienda Ct EB	point693	693	0	0	0	0	0	0	0	0	0	0
	point82	82	0	0	0	0	0	0	0	0	0	0
	point81	81	0	0	0	0	0	0	0	0	0	0
	point80	80										
Vivienda Ct EB	point1469	1469	0	0	0	0	0	0	0	0	0	0
	point1468	1468	0	0	0	0	0	0	0	0	0	0
	point698	698	0	0	0	0	0	0	0	0	0	0
	point45	45	0	0	0	0	0	0	0	0	0	0
	point44	44	0	0	0	0	0	0	0	0	0	0
	point43	43	0	0	0	0	0	0	0	0	0	0
	point42	42										
Vivienda NB	point1601	1601	192	30	0	0	0	0	0	0	0	0
	point1154	1154	192	30	0	0	0	0	0	0	0	0
	point1153	1153	192	30	0	0	0	0	0	0	0	0
	point1152	1152	192	30	0	0	0	0	0	0	0	0
	point1151	1151	192	30	0	0	0	0	0	0	0	0
	point1150	1150	192	30	0	0	0	0	0	0	0	0
	point1149	1149	192	30	0	0	0	0	0	0	0	0
	point1148	1148	192	30	0	0	0	0	0	0	0	0
	point1147	1147	192	30	0	0	0	0	0	0	0	0
	point1146	1146										
Vivienda SB	point2320	2320	0	0	0	0	0	0	0	0	0	0
	point2319	2319	0	0	0	0	0	0	0	0	0	0
	point1164	1164	70	30	0	0	0	0	0	0	0	0
	point1162	1162	70	30	0	0	0	0	0	0	0	0
	point1161	1161	70	30	0	0	0	0	0	0	0	0
	point1160	1160	70	30	0	0	0	0	0	0	0	0
	point1159	1159	70	30	0	0	0	0	0	0	0	0
	point1158	1158	70	30	0	0	0	0	0	0	0	0
	point1157	1157	70	30	0	0	0	0	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes

I-215/Barton Road Interchange

	point1156	1156	70	30	0	0	0	0	0	0	0	0
	point1155	1155										
Newport WB	point1192	1192	0	0	0	0	0	0	0	0	0	0
	point1193	1193	0	0	0	0	0	0	0	0	0	0
	point1194	1194	0	0	0	0	0	0	0	0	0	0
	point1195	1195	0	0	0	0	0	0	0	0	0	0
	point1196	1196	0	0	0	0	0	0	0	0	0	0
	point1197	1197										
Newport EB	point1203	1203	0	0	0	0	0	0	0	0	0	0
	point1202	1202	0	0	0	0	0	0	0	0	0	0
	point1201	1201	0	0	0	0	0	0	0	0	0	0
	point1200	1200	0	0	0	0	0	0	0	0	0	0
	point1199	1199	0	0	0	0	0	0	0	0	0	0
	point1198	1198										
Michigan NB	point1355	1355	0	0	0	0	0	0	0	0	0	0
	point1354	1354	0	0	0	0	0	0	0	0	0	0
	point1353	1353	0	0	0	0	0	0	0	0	0	0
	point1352	1352	0	0	0	0	0	0	0	0	0	0
	point1351	1351	0	0	0	0	0	0	0	0	0	0
	point1610	1610										
Michigan NB	point1359	1359	0	0	0	0	0	0	0	0	0	0
	point1358	1358	0	0	0	0	0	0	0	0	0	0
	point1357	1357	0	0	0	0	0	0	0	0	0	0
	point1356	1356										
Michigan SB	point1609	1609	0	0	0	0	0	0	0	0	0	0
	point1363	1363	0	0	0	0	0	0	0	0	0	0
	point1362	1362	0	0	0	0	0	0	0	0	0	0
	point1361	1361	0	0	0	0	0	0	0	0	0	0
	point1360	1360										
Michigan SB	point1372	1372	0	0	0	0	0	0	0	0	0	0
	point1371	1371	0	0	0	0	0	0	0	0	0	0
	point1370	1370	0	0	0	0	0	0	0	0	0	0
	point1369	1369	0	0	0	0	0	0	0	0	0	0
	point1368	1368										
Grand Terrace NB	point1462	1462	244	30	13	30	0	0	0	0	0	0
	point1461	1461	244	30	13	30	0	0	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes

I-215/Barton Road Interchange

	point1429	1429	244	30	13	30	0	0	0	0	0	0
	point1428	1428	244	30	13	30	0	0	0	0	0	0
	point1427	1427	244	30	13	30	0	0	0	0	0	0
	point1426	1426	244	30	13	30	0	0	0	0	0	0
	point1425	1425	244	30	13	30	0	0	0	0	0	0
	point1424	1424										
Grand Terrace NB	point1439	1439	244	30	13	30	0	0	0	0	0	0
	point1438	1438	244	30	13	30	0	0	0	0	0	0
	point1437	1437	244	30	13	30	0	0	0	0	0	0
	point1436	1436	244	30	13	30	0	0	0	0	0	0
	point1435	1435	244	30	13	30	0	0	0	0	0	0
	point1434	1434	244	30	13	30	0	0	0	0	0	0
	point1433	1433	244	30	13	30	0	0	0	0	0	0
	point1432	1432	244	30	13	30	0	0	0	0	0	0
	point1431	1431	244	30	13	30	0	0	0	0	0	0
	point1430	1430										
Grand Terrace SB	point1440	1440	203	30	11	30	0	0	0	0	0	0
	point1472	1472	203	30	11	30	0	0	0	0	0	0
	point1473	1473	203	30	11	30	0	0	0	0	0	0
	point1441	1441	203	30	11	30	0	0	0	0	0	0
	point1442	1442	203	30	11	30	0	0	0	0	0	0
	point1443	1443	203	30	11	30	0	0	0	0	0	0
	point1444	1444	203	30	11	30	0	0	0	0	0	0
	point1448	1448	203	30	11	30	0	0	0	0	0	0
	point1449	1449	203	30	11	30	0	0	0	0	0	0
	point1450	1450	203	30	11	30	0	0	0	0	0	0
	point1451	1451										
Grand Terrace SB	point1460	1460	203	30	11	30	0	0	0	0	0	0
	point1459	1459	203	30	11	30	0	0	0	0	0	0
	point1458	1458	203	30	11	30	0	0	0	0	0	0
	point1457	1457	203	30	11	30	0	0	0	0	0	0
	point1456	1456	203	30	11	30	0	0	0	0	0	0
	point1455	1455	203	30	11	30	0	0	0	0	0	0
	point1454	1454										
Commerce NB	point1486	1486	920	35	60	35	20	30	0	0	0	0
	point2230	2230	920	35	60	35	20	30	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes

I-215/Barton Road Interchange

	point1485	1485										
Commerce NB	point1529	1529	920	35	60	35	20	30	0	0	0	0
	point1506	1506	920	35	60	35	20	30	0	0	0	0
	point1505	1505	920	35	60	35	20	30	0	0	0	0
	point1504	1504	920	35	60	35	20	30	0	0	0	0
	point1503	1503	920	35	60	35	20	30	0	0	0	0
	point1502	1502	920	35	60	35	20	30	0	0	0	0
	point1501	1501	920	35	60	35	20	30	0	0	0	0
	point1500	1500	920	35	60	35	20	30	0	0	0	0
	point1499	1499	920	35	60	35	20	30	0	0	0	0
	point1498	1498	920	35	60	35	20	30	0	0	0	0
	point1497	1497	920	35	60	35	20	30	0	0	0	0
	point1496	1496	920	35	60	35	20	30	0	0	0	0
	point1495	1495	920	35	60	35	20	30	0	0	0	0
	point1494	1494	920	35	60	35	20	30	0	0	0	0
	point1493	1493	920	35	60	35	20	30	0	0	0	0
	point1607	1607	920	35	60	35	20	30	0	0	0	0
	point1608	1608	920	35	60	35	20	30	0	0	0	0
	point1492	1492	920	35	60	35	20	30	0	0	0	0
	point1491	1491	920	35	60	35	20	30	0	0	0	0
	point1490	1490	920	35	60	35	20	30	0	0	0	0
	point1489	1489	920	35	60	35	20	30	0	0	0	0
	point1488	1488	920	35	60	35	20	30	0	0	0	0
	point1606	1606										
Commerce SB	point1613	1613	920	35	60	35	20	30	0	0	0	0
	point1614	1614	920	35	60	35	20	30	0	0	0	0
	point1612	1612	920	35	60	35	20	30	0	0	0	0
	point1507	1507	920	35	60	35	20	30	0	0	0	0
	point1508	1508	920	35	60	35	20	30	0	0	0	0
	point1509	1509										
Commerce SB	point1605	1605	1476	35	63	35	31	30	0	0	0	0
	point1510	1510	920	35	60	35	20	30	0	0	0	0
	point1511	1511	1476	35	63	35	31	30	0	0	0	0
	point1512	1512	1476	35	63	35	31	30	0	0	0	0
	point1513	1513	1476	35	63	35	31	30	0	0	0	0
	point1514	1514	1476	35	63	35	31	30	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes

I-215/Barton Road Interchange

	point1515	1515	1476	35	63	35	31	30	0	0	0	0
	point1516	1516	1476	35	63	35	31	30	0	0	0	0
	point1517	1517	1476	35	63	35	31	30	0	0	0	0
	point1518	1518	1476	35	63	35	31	30	0	0	0	0
	point1519	1519	1476	35	63	35	31	30	0	0	0	0
	point1520	1520	1476	35	63	35	31	30	0	0	0	0
	point1521	1521	1476	35	63	35	31	30	0	0	0	0
	point1522	1522	1476	35	63	35	31	30	0	0	0	0
	point1523	1523	1476	35	63	35	31	30	0	0	0	0
	point1524	1524	1476	35	63	35	31	30	0	0	0	0
	point1525	1525	1476	35	63	35	31	30	0	0	0	0
	point1526	1526	1476	35	63	35	31	30	0	0	0	0
	point1527	1527	1476	35	63	35	31	30	0	0	0	0
	point1528	1528										
Vivienda Ct WB	point1620	1620	0	0	0	0	0	0	0	0	0	0
	point1619	1619	0	0	0	0	0	0	0	0	0	0
	point1618	1618	0	0	0	0	0	0	0	0	0	0
	point1617	1617										
Vivienda Ct EB	point1624	1624	0	0	0	0	0	0	0	0	0	0
	point1623	1623	0	0	0	0	0	0	0	0	0	0
	point1622	1622	0	0	0	0	0	0	0	0	0	0
	point1621	1621										
Barton Median	point1643	1643	0	0	0	0	0	0	0	0	0	0
	point1642	1642	0	0	0	0	0	0	0	0	0	0
	point1641	1641	0	0	0	0	0	0	0	0	0	0
	point1640	1640	0	0	0	0	0	0	0	0	0	0
	point1639	1639	0	0	0	0	0	0	0	0	0	0
	point1638	1638	0	0	0	0	0	0	0	0	0	0
	point1637	1637	0	0	0	0	0	0	0	0	0	0
	point1636	1636	0	0	0	0	0	0	0	0	0	0
	point1635	1635	0	0	0	0	0	0	0	0	0	0
	point1634	1634	0	0	0	0	0	0	0	0	0	0
	point1633	1633	0	0	0	0	0	0	0	0	0	0
	point1632	1632	0	0	0	0	0	0	0	0	0	0
	point1631	1631	0	0	0	0	0	0	0	0	0	0
	point1630	1630	0	0	0	0	0	0	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes

I-215/Barton Road Interchange

	point1629	1629	0	0	0	0	0	0	0	0	0	0
	point1628	1628	0	0	0	0	0	0	0	0	0	0
	point1627	1627	0	0	0	0	0	0	0	0	0	0
	point1626	1626	0	0	0	0	0	0	0	0	0	0
	point2329	2329	0	0	0	0	0	0	0	0	0	0
	point2330	2330	0	0	0	0	0	0	0	0	0	0
	point2331	2331	0	0	0	0	0	0	0	0	0	0
	point2332	2332	0	0	0	0	0	0	0	0	0	0
	point2333	2333	0	0	0	0	0	0	0	0	0	0
	point2334	2334	0	0	0	0	0	0	0	0	0	0
	point2335	2335	0	0	0	0	0	0	0	0	0	0
	point2336	2336	0	0	0	0	0	0	0	0	0	0
	point2337	2337	0	0	0	0	0	0	0	0	0	0
	point2338	2338	0	0	0	0	0	0	0	0	0	0
	point2339	2339	0	0	0	0	0	0	0	0	0	0
	point2340	2340	0	0	0	0	0	0	0	0	0	0
	point2341	2341	0	0	0	0	0	0	0	0	0	0
	point2342	2342	0	0	0	0	0	0	0	0	0	0
	point2343	2343	0	0	0	0	0	0	0	0	0	0
	point2345	2345	0	0	0	0	0	0	0	0	0	0
	point2344	2344	0	0	0	0	0	0	0	0	0	0
	point1625	1625										
Commerce Median	point1665	1665	0	0	0	0	0	0	0	0	0	0
	point1664	1664	0	0	0	0	0	0	0	0	0	0
	point1663	1663	0	0	0	0	0	0	0	0	0	0
	point1662	1662	0	0	0	0	0	0	0	0	0	0
	point1661	1661	0	0	0	0	0	0	0	0	0	0
	point1660	1660	0	0	0	0	0	0	0	0	0	0
	point1659	1659	0	0	0	0	0	0	0	0	0	0
	point1658	1658	0	0	0	0	0	0	0	0	0	0
	point1657	1657	0	0	0	0	0	0	0	0	0	0
	point1656	1656	0	0	0	0	0	0	0	0	0	0
	point1655	1655	0	0	0	0	0	0	0	0	0	0
	point1654	1654	0	0	0	0	0	0	0	0	0	0
	point1653	1653	0	0	0	0	0	0	0	0	0	0
	point1652	1652	0	0	0	0	0	0	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes

I-215/Barton Road Interchange

	point1651	1651	0	0	0	0	0	0	0	0	0	0
	point1650	1650	0	0	0	0	0	0	0	0	0	0
	point1649	1649	0	0	0	0	0	0	0	0	0	0
	point1648	1648	0	0	0	0	0	0	0	0	0	0
	point1647	1647	0	0	0	0	0	0	0	0	0	0
	point1646	1646	0	0	0	0	0	0	0	0	0	0
	point1645	1645	0	0	0	0	0	0	0	0	0	0
	point1666	1666	0	0	0	0	0	0	0	0	0	0
	point1644	1644										
Barton NB Off-Ramp	point1235	1235	851	45	56	45	28	40	0	0	0	0
	point1234	1234	851	45	56	45	28	40	0	0	0	0
	point1233	1233	851	45	56	45	28	40	0	0	0	0
	point1232	1232	851	45	56	45	28	40	0	0	0	0
	point1231	1231	851	45	56	45	28	40	0	0	0	0
	point1230	1230	851	45	56	45	28	40	0	0	0	0
	point1801	1801	851	45	56	45	28	40	0	0	0	0
	point1803	1803	851	45	56	45	28	40	0	0	0	0
	point1804	1804	851	45	56	45	28	40	0	0	0	0
	point1805	1805	851	45	56	45	28	40	0	0	0	0
	point1806	1806	851	45	56	45	28	40	0	0	0	0
	point1807	1807	851	45	56	45	28	40	0	0	0	0
	point1808	1808	851	45	56	45	28	40	0	0	0	0
	point1809	1809	851	45	56	45	28	40	0	0	0	0
	point1810	1810	851	40	56	40	28	35	0	0	0	0
	point1811	1811	851	35	56	35	28	30	0	0	0	0
	point1812	1812										
Barton SB On Ramp 1	point1820	1820	934	35	62	35	31	30	0	0	0	0
	point1822	1822	934	35	62	35	31	30	0	0	0	0
	point1823	1823	934	35	62	35	31	30	0	0	0	0
	point1824	1824	934	35	62	35	31	30	0	0	0	0
	point1825	1825	934	35	62	35	31	30	0	0	0	0
	point1826	1826	934	35	62	35	31	30	0	0	0	0
	point1827	1827	934	35	62	35	31	30	0	0	0	0
	point1828	1828	934	35	62	35	31	30	0	0	0	0
	point1829	1829	934	35	62	35	31	30	0	0	0	0
	point1830	1830										

INPUT: TRAFFIC FOR LAeq1h Volumes

I-215/Barton Road Interchange

Barton SB On Ramp 2	point1844	1844	934	65	62	65	31	55	0	0	0	0
	point1831	1831	934	65	62	65	31	55	0	0	0	0
	point1832	1832	934	65	62	65	31	55	0	0	0	0
	point1833	1833	934	65	62	65	31	55	0	0	0	0
	point1834	1834	934	65	62	65	31	55	0	0	0	0
	point1835	1835	934	65	62	65	31	55	0	0	0	0
	point1836	1836	934	65	62	65	31	55	0	0	0	0
	point1837	1837	934	65	62	65	31	55	0	0	0	0
	point1838	1838	934	65	62	65	31	55	0	0	0	0
	point1839	1839	934	65	62	65	31	55	0	0	0	0
	point1840	1840	934	65	62	65	31	55	0	0	0	0
	point1841	1841	934	65	62	65	31	55	0	0	0	0
	point1842	1842	934	65	62	65	31	55	0	0	0	0
	point1843	1843	934	65	62	65	31	55	0	0	0	0
	point1731	1731	934	65	62	65	31	55	0	0	0	0
	point1730	1730	934	65	62	65	31	55	0	0	0	0
	point1729	1729	934	65	62	65	31	55	0	0	0	0
	point1728	1728	934	65	62	65	31	55	0	0	0	0
	point1727	1727	934	65	62	65	31	55	0	0	0	0
	point1726	1726	934	65	62	65	31	55	0	0	0	0
	point1725	1725	934	65	62	65	31	55	0	0	0	0
	point1724	1724	934	65	62	65	31	55	0	0	0	0
	point1723	1723	934	65	62	65	31	55	0	0	0	0
	point1722	1722	934	65	62	65	31	55	0	0	0	0
	point1721	1721	934	65	62	65	31	55	0	0	0	0
	point1720	1720	934	65	62	65	31	55	0	0	0	0
	point1719	1719										
Barton NB On Ramp	point1846	1846	996	65	66	65	33	55	0	0	0	0
	point1848	1848	996	65	66	65	33	55	0	0	0	0
	point1849	1849	996	65	66	65	33	55	0	0	0	0
	point1850	1850	996	65	66	65	33	55	0	0	0	0
	point1851	1851	996	65	66	65	33	55	0	0	0	0
	point1852	1852	996	65	66	65	33	55	0	0	0	0
	point1853	1853	996	65	66	65	33	55	0	0	0	0
	point1854	1854	996	65	66	65	33	55	0	0	0	0
	point1855	1855	996	65	66	65	33	55	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes

I-215/Barton Road Interchange

	point1856	1856	996	65	66	65	33	55	0	0	0	0
	point1857	1857	996	65	66	65	33	55	0	0	0	0
	point1858	1858	996	65	66	65	33	55	0	0	0	0
	point1859	1859	996	65	66	65	33	55	0	0	0	0
	point1860	1860	996	65	66	65	33	55	0	0	0	0
	point1861	1861	996	65	66	65	33	55	0	0	0	0
	point1862	1862	996	65	66	65	33	55	0	0	0	0
	point1863	1863	996	65	66	65	33	55	0	0	0	0
	point1864	1864	996	65	66	65	33	55	0	0	0	0
	point1865	1865	996	65	66	65	33	55	0	0	0	0
	point1866	1866	996	65	66	65	33	55	0	0	0	0
	point1867	1867	996	65	66	65	33	55	0	0	0	0
	point1868	1868	996	65	66	65	33	55	0	0	0	0
	point1869	1869	996	65	66	65	33	55	0	0	0	0
	point1870	1870	996	65	66	65	33	55	0	0	0	0
	point1871	1871	996	65	66	65	33	55	0	0	0	0
	point1872	1872	996	65	66	65	33	55	0	0	0	0
	point1873	1873	996	65	66	65	33	55	0	0	0	0
	point1874	1874	996	65	66	65	33	55	0	0	0	0
	point2010	2010	996	65	66	65	33	55	0	0	0	0
	point2011	2011	996	65	66	65	33	55	0	0	0	0
	point2012	2012	996	65	66	65	33	55	0	0	0	0
	point2013	2013	996	65	66	65	33	55	0	0	0	0
	point2014	2014	996	65	66	65	33	55	0	0	0	0
	point2016	2016	996	65	66	65	33	55	0	0	0	0
	point1684	1684	996	65	66	65	33	55	0	0	0	0
	point1683	1683	996	65	66	65	33	55	0	0	0	0
	point1682	1682	996	65	66	65	33	55	0	0	0	0
	point1681	1681	996	65	66	65	33	55	0	0	0	0
	point1680	1680	996	65	66	65	33	55	0	0	0	0
	point1679	1679	996	65	66	65	33	55	0	0	0	0
	point1678	1678	996	65	66	65	33	55	0	0	0	0
	point1677	1677	996	65	66	65	33	55	0	0	0	0
	point1676	1676	996	65	66	65	33	55	0	0	0	0
	point1675	1675	996	65	66	65	33	55	0	0	0	0
	point1674	1674										

INPUT: TRAFFIC FOR LAeq1h Volumes

I-215/Barton Road Interchange

Barton SB Off Ramp	point2019	2019	804	45	53	45	26	40	0	0	0	0
	point2021	2021	804	45	53	45	26	40	0	0	0	0
	point2022	2022	804	45	53	45	26	40	0	0	0	0
	point2023	2023	804	45	53	45	26	40	0	0	0	0
	point2024	2024	804	45	53	45	26	40	0	0	0	0
	point2025	2025	804	45	53	45	26	40	0	0	0	0
	point2026	2026	804	45	53	45	26	40	0	0	0	0
	point2035	2035	804	45	53	45	26	40	0	0	0	0
	point2036	2036	804	45	53	45	26	40	0	0	0	0
	point2037	2037	804	45	53	45	26	40	0	0	0	0
	point2038	2038	804	45	53	45	26	40	0	0	0	0
	point2027	2027	804	45	53	45	26	40	0	0	0	0
	point2039	2039	804	45	53	45	26	40	0	0	0	0
	point2040	2040	804	45	53	45	26	40	0	0	0	0
	point2028	2028	804	45	53	45	26	40	0	0	0	0
	point2029	2029	804	45	53	45	26	40	0	0	0	0
	point2030	2030	804	45	53	45	26	40	0	0	0	0
	point2031	2031	804	40	53	40	26	35	0	0	0	0
	point2032	2032										
Barton EB (SB Ramps to Michigan)	point2226	2226	1672	40	71	40	36	35	0	0	0	0
	point1076	1076	1672	40	71	40	36	35	0	0	0	0
	point313	424	1672	40	71	40	36	35	0	0	0	0
	point312	312	1672	40	71	40	36	35	0	0	0	0
	point311	311	1672	40	71	40	36	35	0	0	0	0
	point310	310	1672	40	71	40	36	35	0	0	0	0
	point309	309										
Barton WB (Cadena to Grand Terrace)	point2227	2227	808	40	34	40	17	35	0	0	0	0
	point1563	1563	808	40	34	40	17	35	0	0	0	0
	point1593	1593	808	40	34	40	17	35	0	0	0	0
	point1594	1594	808	40	34	40	17	35	0	0	0	0
	point411	411	808	40	34	40	17	35	0	0	0	0
	point338	338	808	40	34	40	17	35	0	0	0	0
	point1111	1111	808	40	34	40	17	35	0	0	0	0
	point1558	1558	808	40	34	40	17	35	0	0	0	0
	point1559	1559	808	40	34	40	17	35	0	0	0	0
	point1560	1560	808	40	34	40	17	35	0	0	0	0

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	point1561	1561										
I-215 NB HOV	point2241	2241	1410	65	90	65	0	0	0	0	0	0
	point2242	2242	1410	65	90	65	0	0	0	0	0	0
	point2243	2243	1410	65	90	65	0	0	0	0	0	0
	point2244	2244	1410	65	90	65	0	0	0	0	0	0
	point2245	2245	1410	65	90	65	0	0	0	0	0	0
	point2246	2246	1410	65	90	65	0	0	0	0	0	0
	point2247	2247	1410	65	90	65	0	0	0	0	0	0
	point2248	2248	1410	65	90	65	0	0	0	0	0	0
	point2249	2249	1410	65	90	65	0	0	0	0	0	0
	point2250	2250	1410	65	90	65	0	0	0	0	0	0
	point2251	2251	1410	65	90	65	0	0	0	0	0	0
	point2252	2252	1410	65	90	65	0	0	0	0	0	0
	point2253	2253	1410	65	90	65	0	0	0	0	0	0
	point2254	2254	1410	65	90	65	0	0	0	0	0	0
	point2255	2255	1410	65	90	65	0	0	0	0	0	0
	point2256	2256	1410	65	90	65	0	0	0	0	0	0
	point2257	2257	1410	65	90	65	0	0	0	0	0	0
	point2258	2258	1410	65	90	65	0	0	0	0	0	0
	point2259	2259	1410	65	90	65	0	0	0	0	0	0
	point2260	2260	1410	65	90	65	0	0	0	0	0	0
	point2261	2261	1410	65	90	65	0	0	0	0	0	0
	point2262	2262	1410	65	90	65	0	0	0	0	0	0
	point2263	2263	1410	65	90	65	0	0	0	0	0	0
	point2264	2264	1410	65	90	65	0	0	0	0	0	0
	point2265	2265	1410	65	90	65	0	0	0	0	0	0
	point2266	2266	1410	65	90	65	0	0	0	0	0	0
	point2267	2267	1410	65	90	65	0	0	0	0	0	0
	point2268	2268	1410	65	90	65	0	0	0	0	0	0
	point2269	2269	1410	65	90	65	0	0	0	0	0	0
	point2270	2270	1410	65	90	65	0	0	0	0	0	0
	point2271	2271	1410	65	90	65	0	0	0	0	0	0
	point2272	2272	1410	65	90	65	0	0	0	0	0	0
	point2273	2273	1410	65	90	65	0	0	0	0	0	0
	point2274	2274	1410	65	90	65	0	0	0	0	0	0
	point2275	2275	1410	65	90	65	0	0	0	0	0	0

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	point2276	2276	1410	65	90	65	0	0	0	0	0	0
	point2277	2277	1410	65	90	65	0	0	0	0	0	0
	point2240	2240										
I-215 SB HOV	point2279	2279	1410	65	90	65	0	0	0	0	0	0
	point2280	2280	1410	65	90	65	0	0	0	0	0	0
	point2281	2281	1410	65	90	65	0	0	0	0	0	0
	point2282	2282	1410	65	90	65	0	0	0	0	0	0
	point2283	2283	1410	65	90	65	0	0	0	0	0	0
	point2284	2284	1410	65	90	65	0	0	0	0	0	0
	point2285	2285	1410	65	90	65	0	0	0	0	0	0
	point2286	2286	1410	65	90	65	0	0	0	0	0	0
	point2287	2287	1410	65	90	65	0	0	0	0	0	0
	point2288	2288	1410	65	90	65	0	0	0	0	0	0
	point2289	2289	1410	65	90	65	0	0	0	0	0	0
	point2290	2290	1410	65	90	65	0	0	0	0	0	0
	point2291	2291	1410	65	90	65	0	0	0	0	0	0
	point2292	2292	1410	65	90	65	0	0	0	0	0	0
	point2293	2293	1410	65	90	65	0	0	0	0	0	0
	point2294	2294	1410	65	90	65	0	0	0	0	0	0
	point2295	2295	1410	65	90	65	0	0	0	0	0	0
	point2296	2296	1410	65	90	65	0	0	0	0	0	0
	point2297	2297	1410	65	90	65	0	0	0	0	0	0
	point2298	2298	1410	65	90	65	0	0	0	0	0	0
	point2299	2299	1410	65	90	65	0	0	0	0	0	0
	point2300	2300	1410	65	90	65	0	0	0	0	0	0
	point2301	2301	1410	65	90	65	0	0	0	0	0	0
	point2302	2302	1410	65	90	65	0	0	0	0	0	0
	point2303	2303	1410	65	90	65	0	0	0	0	0	0
	point2304	2304	1410	65	90	65	0	0	0	0	0	0
	point2305	2305	1410	65	90	65	0	0	0	0	0	0
	point2306	2306	1410	65	90	65	0	0	0	0	0	0
	point2307	2307	1410	65	90	65	0	0	0	0	0	0
	point2308	2308	1410	65	90	65	0	0	0	0	0	0
	point2309	2309	1410	65	90	65	0	0	0	0	0	0
	point2310	2310	1410	65	90	65	0	0	0	0	0	0
	point2311	2311	1410	65	90	65	0	0	0	0	0	0

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	point2312	2312	1410	65	90	65	0	0	0	0	0	0
	point2313	2313	1410	65	90	65	0	0	0	0	0	0
	point2314	2314	1410	65	90	65	0	0	0	0	0	0
	point2315	2315	1410	65	90	65	0	0	0	0	0	0
	point2278	2278										
Barton EB (Grand Terrace to SB Ramps)	point2326	2326	1423	40	61	40	30	35	0	0	0	0
	point2325	2325	1423	40	61	40	30	35	0	0	0	0
	point2324	2324	1423	40	61	40	30	35	0	0	0	0
	point2323	2323	1423	40	61	40	30	35	0	0	0	0
	point2322	2322	1423	40	61	40	30	35	0	0	0	0
	point2321	2321										
I-215 NB Aux Lane	point2348	2348	851	65	56	65	28	55	0	0	0	0
	point2349	2349	851	65	56	65	28	55	0	0	0	0
	point2350	2350	851	65	56	65	28	55	0	0	0	0
	point2351	2351	851	65	56	65	28	55	0	0	0	0
	point2352	2352	851	65	56	65	28	55	0	0	0	0
	point2353	2353	851	65	56	65	28	55	0	0	0	0
	point2354	2354	851	65	56	65	28	55	0	0	0	0
	point2347	2347										
I-215 NB Lanes 1 & 2	point2346	2346	2392	65	104	65	104	55	0	0	0	0
	point2237	2237	2392	65	104	65	104	55	0	0	0	0
	point2236	2236	2392	65	104	65	104	55	0	0	0	0
	point2235	2235	2392	65	104	65	104	55	0	0	0	0
	point2234	2234	2392	65	104	65	104	55	0	0	0	0
	point2233	2233	2392	65	104	65	104	55	0	0	0	0
	point2232	2232	2392	65	104	65	104	55	0	0	0	0
	point962	962	2392	65	104	65	104	55	0	0	0	0
	point961	961	2392	65	104	65	104	55	0	0	0	0
	point960	960	2392	65	104	65	104	55	0	0	0	0
	point959	959	2392	65	104	65	104	55	0	0	0	0
	point2239	2239	2392	65	104	65	104	55	0	0	0	0
	point958	958	2392	65	104	65	104	55	0	0	0	0
	point957	957	2392	65	104	65	104	55	0	0	0	0
	point956	956	2392	65	104	65	104	55	0	0	0	0
	point955	955	2392	65	104	65	104	55	0	0	0	0
	point954	954	2392	65	104	65	104	55	0	0	0	0

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	point1746	1746	2392	65	104	65	104	55	0	0	0	0
	point952	952	2392	65	104	65	104	55	0	0	0	0
	point951	951	2392	65	104	65	104	55	0	0	0	0
	point950	950	2392	65	104	65	104	55	0	0	0	0
	point949	949	2392	65	104	65	104	55	0	0	0	0
	point948	948	2392	65	104	65	104	55	0	0	0	0
	point947	947	2392	65	104	65	104	55	0	0	0	0
	point946	946	2392	65	104	65	104	55	0	0	0	0
	point945	945	2392	65	104	65	104	55	0	0	0	0
	point944	944	2392	65	104	65	104	55	0	0	0	0
	point943	943	2392	65	104	65	104	55	0	0	0	0
	point942	942	2392	65	104	65	104	55	0	0	0	0
	point941	941	2392	65	104	65	104	55	0	0	0	0
	point940	940	2392	65	104	65	104	55	0	0	0	0
	point939	939	2392	65	104	65	104	55	0	0	0	0
	point938	938	2392	65	104	65	104	55	0	0	0	0
	point937	937	2392	65	104	65	104	55	0	0	0	0
	point936	936	2392	65	104	65	104	55	0	0	0	0
	point935	935	2392	65	104	65	104	55	0	0	0	0
	point934	934	2392	65	104	65	104	55	0	0	0	0
	point38	38										
I-215 SB Lanes 1 & 2	point1025	1025	2392	65	104	65	104	55	0	0	0	0
	point1024	1024	2392	65	104	65	104	55	0	0	0	0
	point1023	1023	2392	65	104	65	104	55	0	0	0	0
	point1022	1022	2392	65	104	65	104	55	0	0	0	0
	point1021	1021	2392	65	104	65	104	55	0	0	0	0
	point1020	1020	2392	65	104	65	104	55	0	0	0	0
	point1019	1019	2392	65	104	65	104	55	0	0	0	0
	point1018	1018	2392	65	104	65	104	55	0	0	0	0
	point1017	1017	2392	65	104	65	104	55	0	0	0	0
	point1016	1016	2392	65	104	65	104	55	0	0	0	0
	point1015	1015	2392	65	104	65	104	55	0	0	0	0
	point1014	1014	2392	65	104	65	104	55	0	0	0	0
	point2316	2316	2392	65	104	65	104	55	0	0	0	0
	point2317	2317	2392	65	104	65	104	55	0	0	0	0
	point1011	1011	2392	65	104	65	104	55	0	0	0	0

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	point1010	1010	2392	65	104	65	104	55	0	0	0	0
	point1009	1009	2392	65	104	65	104	55	0	0	0	0
	point1008	1008	2392	65	104	65	104	55	0	0	0	0
	point1007	1007	2392	65	104	65	104	55	0	0	0	0
	point1006	1006	2392	65	104	65	104	55	0	0	0	0
	point1005	1005	2392	65	104	65	104	55	0	0	0	0
	point1748	1748	2392	65	104	65	104	55	0	0	0	0
	point1004	1004	2392	65	104	65	104	55	0	0	0	0
	point1003	1003	2392	65	104	65	104	55	0	0	0	0
	point1002	1002	2392	65	104	65	104	55	0	0	0	0
	point1001	1001	2392	65	104	65	104	55	0	0	0	0
	point1000	1000	2392	65	104	65	104	55	0	0	0	0
	point999	999	2392	65	104	65	104	55	0	0	0	0
	point998	998	2392	65	104	65	104	55	0	0	0	0
	point997	997	2392	65	104	65	104	55	0	0	0	0
	point996	996	2392	65	104	65	104	55	0	0	0	0
	point157	157	2392	65	104	65	104	55	0	0	0	0
	point156	156	2392	65	104	65	104	55	0	0	0	0
	point155	155	2392	65	104	65	104	55	0	0	0	0
	point154	154	2392	65	104	65	104	55	0	0	0	0
	point153	153	2392	65	104	65	104	55	0	0	0	0
	point152	152	2392	65	104	65	104	55	0	0	0	0
	point151	151	2392	65	104	65	104	55	0	0	0	0
	point150	150										