

DAVIDSON / SUMNER COUNTIES, TENNESSEE TODAY'S DATE 11/20/2024 DAH
 I-65 FROM NEAR RIVERGATE PARKWAY
 TO NEAR SR-41 (US-31W)(IA) SECTION 1
 DAVIDSON CO EARTHWORK TOTALS
 T:\TDOT\Davidson-Sumner_I65\Quants\DV165Earthwork-Davidson.xls

	EXC	ROCK EXC	EMB	GSR	UNDERCUT
GROSS MAINLINE TOTALS	44685	13274	24997	5411	3181
GROSS APPROACH TOTALS	8454	0	627	95	43
GROSS HAUL ROAD TOTALS	1519	0	0	15	0

RAW NUMBERS

ROADWAY	EXC (C.Y.)	ROCK EXC (C.Y.)	EMB (C.Y.)	GSR (C.Y.)	UNDERCUT (C.Y.)
I-65	44,685	13,274	24,997	5,411	3,181
RAMPS	8,454	0	627	95	43
E CEDAR HAUL ROAD	1,519	0	0		0
TOTALS	54,657	13,274	25,625	5,506	3,224

DAVIDSON COUNTY			
TOPSOIL CALCULATIONS	I-65 (CY)	RAMPS (CY)	TOTAL (CY)
IN CUT	11126	2682	13808
IN FILL	11605	676	12281
TOTAL TOPSOIL AVAILABLE			26089
TOPSOIL REQUIRED	I-65 (C.Y.)	RAMPS (C.Y.)	TOTAL (C.Y.)
TOPSOIL	1776	1195	2971
TOTAL TOPSOIL NEEDED			2971

ROADWAY	EXC (C.Y.)	ROCK EXC (C.Y.)	EMB (C.Y.)	GSR (C.Y.)	SEMB (C.Y.)
E CEDAR RD HAUL RD	1,519	0	0	15	0
TOTALS	1,519	0	0	15	0

Station	Exc (S.F.)	Rock Exc (S.F.)	Emb (S.F.)	GSR (S.F.)	Undercut (S.F.) I-65	Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
100398	0	0	0	0	0					
100400	0	0	0	0	0	0	0	0	0	0
100450	31	0	34	32	22	29	0	31	30	20
100500	28	0	23	41	19	55	0	53	68	38
100550	27	0	0	30	12	51	0	21	66	29
100600	73	0	0	0	0	93	0	0	28	11
100614.17	25	0	0	0	0	26	0	0	0	0
100650	27	0	0	0	0	35	0	0	0	0
100700	24	0	0	0	0	47	0	0	0	0
100750	23	0	0	0	0	44	0	0	0	0
100800	22	0	0	0	0	42	0	0	0	0
100850	218	144	0	0	0	222	133	0	0	0
100874.17	241	168	0	0	0	205	140	0	0	0
100900	276	228	0	0	0	247	189	0	0	0
100950	368	287	0	0	0	596	477	0	0	0
101000	268	540	0	0	0	589	766	0	0	0
101050	299	687	0	0	0	525	1136	0	0	0
101100	286	691	0	0	0	542	1276	0	0	0
101134.17	279	655	0	0	0	358	852	0	0	0
101150	284	628	0	0	0	165	376	0	0	0
101200	277	554	0	0	0	519	1094	0	0	0
101250	279	580	0	0	0	515	1050	0	0	0
101283.82	279	613	0	0	0	349	747	0	0	0
101300	280	621	0	0	0	167	370	0	0	0
101350	300	655	0	0	0	537	1181	0	0	0
101400	310	600	0	0	0	565	1162	0	0	0
101450	365	465	0	0	0	625	986	0	0	0
101500	406	266	0	0	0	714	677	0	0	0
101550	355	166	0	0	0	705	400	0	0	0
101600	322	58	0	0	0	627	207	0	0	0
101650	122	0	12	0	0	411	54	11	0	0
101700	115	0	35	0	0	219	0	44	0	0
101750	96	0	2	0	0	195	0	34	0	0
101800	93	0	4	0	0	175	0	6	0	0
101850	93	0	7	0	0	172	0	10	0	0
101900	95	0	10	0	0	174	0	16	0	0
101950	96	0	10	0	0	177	0	19	0	0
102000	97	0	13	0	0	179	0	21	0	0
102050	96	0	20	0	0	179	0	31	0	0
102100	97	0	22	0	0	179	0	39	0	0
102150	94	0	22	0	0	177	0	41	0	0
102200	91	0	22	0	0	171	0	41	0	0
102211.54	94	0	19	0	0	40	0	9	0	0
102250	99	0	17	0	0	137	0	26	0	0
102300	102	0	19	0	0	186	0	33	0	0
102350	103	0	15	0	0	190	0	31	0	0
102375	108	0	15	0	0	98	0	14	0	0
102400	101	0	95	0	0	97	0	51	0	0
102450	100	0	62	0	0	186	0	145	0	0
102500	104	0	53	0	0	189	0	106	0	0
102550	96	0	38	0	0	185	0	84	0	0
102586.25	101	0	38	0	0	132	0	51	0	0
102600	100	0	37	0	0	51	0	19	0	0
102650	92	0	31	0	0	178	0	63	0	0
102700	94	0	24	0	0	172	0	51	0	0
102750	145	0	16	0	0	221	0	37	0	0
102755	204	0	16	0	0	32	0	3	0	0
102800	185	0	14	0	0	324	0	25	0	0
102850	216	0	211	60	37	371	0	208	56	34
102899.04	187	0	150	35	22	366	0	328	86	54
102900	187	0	150	33	21	7	0	5	1	1
102950	236	0	127	90	45	392	0	256	114	61
103000	277	0	89	56	46	475	0	200	135	84
103050	270	0	34	0	0	506	0	114	52	43
103100	258	0	8	0	0	489	0	39	0	0
103150	300	0	4	0	0	517	0	11	0	0
103200	303	0	3	22	20	558	0	6	20	19
103250	333	0	4	24	21	589	0	6	43	38
103300	397	0	4	22	19	676	0	7	43	37
103350	434	0	6	22	19	769	0	9	41	35

103400	475	0	9	22	17	842	0	14	41	33
103450	435	0	12	23	18	843	0	19	42	32
103500	386	0	15	25	20	760	0	25	44	35
103539.37	296	0	14	23	19	497	0	21	35	28
103550	276	0	16	22	18	113	0	6	9	7
103600	256	0	29	22	20	493	0	42	41	35
103650	196	0	40	21	20	419	0	64	40	37
103700	151	0	65	0	0	321	0	97	19	19
103750	129	0	69	0	0	259	0	124	0	0
103799.37	107	0	81	0	0	216	0	137	0	0
103800	107	0	81	0	0	2	0	2	0	0
103850	107	0	96	0	0	198	0	164	0	0
103900	98	0	116	0	0	190	0	196	0	0
103950	93	0	130	0	0	177	0	228	0	0
104000	96	0	115	0	0	175	0	227	0	0
104050	104	0	72	0	0	185	0	173	0	0
104059.37	108	0	64	0	0	37	0	24	0	0
104100	107	0	77	0	0	162	0	106	0	0
104150	114	0	108	0	0	205	0	171	0	0
104200	110	0	89	0	0	207	0	182	0	0
104250	113	0	67	0	0	206	0	144	0	0
104300	103	0	54	0	0	200	0	112	0	0
104350	104	0	51	0	0	192	0	97	0	0
104400	110	0	42	0	0	198	0	86	0	0
104450	88	0	26	0	0	183	0	63	0	0
104500	88	0	26	0	0	163	0	48	0	0
104550	89	0	32	0	0	164	0	54	0	0
104600	91	0	38	0	0	167	0	65	0	0
104650	93	0	56	0	0	170	0	87	0	0
104700	97	0	66	0	0	176	0	113	0	0
104750	101	0	73	0	0	183	0	129	0	0
104800	92	0	73	0	0	179	0	135	0	0
104850	93	0	74	0	0	171	0	136	0	0
104900	96	0	82	0	0	175	0	144	0	0
104904.04	97	0	83	0	0	14	0	12	0	0
104950	99	0	93	0	0	167	0	150	0	0
105000	98	0	104	0	0	182	0	182	0	0
105050	101	0	81	0	0	184	0	171	0	0
105100	77	0	72	0	0	165	0	142	0	0
105150	79	0	60	0	0	144	0	122	0	0
105200	72	0	51	0	0	140	0	103	0	0
105230.03	45	0	10	0	0	65	0	34	0	0
105250	47	0	9	0	0	34	0	7	0	0
105300	61	0	9	0	0	100	0	17	0	0
105350	81	0	11	0	0	131	0	19	0	0
105400	108	0	11	0	0	175	0	20	0	0
105450	125	0	9	0	0	216	0	19	0	0
105500	121	0	18	0	0	228	0	25	0	0
105550	38	0	13	0	0	147	0	29	0	0
105600	47	0	10	0	0	79	0	21	0	0
105650	69	0	9	0	0	107	0	18	0	0
105700	97	0	13	0	0	154	0	20	0	0
105750	122	0	19	0	0	203	0	30	0	0
105800	35	0	20	0	0	145	0	36	0	0
105850	34	0	16	0	0	64	0	33	0	0
105900	36	0	19	0	0	65	0	32	0	0
105950	37	0	19	0	0	68	0	35	0	0
106000	59	0	13	0	0	89	0	30	0	0
106050	73	0	2	0	0	122	0	14	0	0
106100	90	0	0	0	0	151	0	2	0	0
106150	94	0	0	0	0	170	0	0	0	0
106200	150	0	0	0	0	226	0	0	0	0
106250	0	0	0	0	0	139	0	0	0	0
106285.14	0	0	0	0	0	0	0	0	0	0
106300	0	0	0	0	0	0	0	0	0	0
106350	0	0	0	0	0	0	0	0	0	0
106400	100	0	0	0	0	93	0	0	0	0
106450	65	0	0	0	0	153	0	0	0	0
106500	60	0	1	0	0	116	0	1	0	0
106550	53	0	3	0	0	105	0	4	0	0
106553.7	52	0	4	0	0	7	0	0	0	0
106600	137	0	4	0	0	162	0	7	0	0
106650	107	0	7	0	0	226	0	10	0	0
106700	67	0	12	0	0	161	0	18	0	0
106750	64	0	14	0	0	121	0	24	0	0

BRIDGE
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106800	60	0	6	0	0	115	0	19	0	0	
106850	54	0	0	0	0	106	0	6	0	0	
106900	73	0	0	0	0	118	0	0	0	0	
106950	83	0	0	0	0	144	0	0	0	0	
107000	0	0	1600	0	0	77	0	1481	0	0	
107011.25	0	0	2366	0	0	0	0	826	0	0	
107050	0	0	0	0	0	0	0	1698	0	0	BRIDGE
107091.25	0	0	2359	0	0	0	0	1802	0	0	
107100	0	0	2209	0	0	0	0	740	0	0	
107150	97	0	104	0	0	90	0	2142	0	0	
107200	83	0	86	0	0	167	0	176	0	0	
107250	69	0	18	0	0	141	0	96	0	0	
107300	40	0	59	0	0	101	0	71	0	0	
107350	28	0	62	0	0	63	0	112	0	0	
107400	31	0	66	0	0	55	0	119	0	0	
107450	31	0	83	0	0	57	0	138	0	0	
107500	30	0	71	0	0	56	0	143	0	0	
107550	27	0	79	0	0	53	0	139	0	0	
107600	26	0	71	0	0	49	0	139	0	0	
107650	59	0	61	0	0	79	0	122	0	0	
107700	67	0	38	0	0	117	0	92	0	0	
107750	72	0	24	0	0	129	0	57	0	0	
107800	67	0	29	0	0	129	0	49	0	0	
107850	60	0	38	0	0	118	0	62	0	0	
107900	58	0	42	0	0	109	0	74	0	0	
107950	96	0	62	0	0	143	0	96	0	0	
108000	96	0	76	0	0	178	0	128	0	0	
108050	102	0	81	0	0	183	0	145	0	0	
108100	98	0	109	50	35	185	0	176	46	32	
108150	103	0	90	28	23	186	0	184	72	54	
108200	97	0	103	79	44	185	0	179	99	62	
108250	96	0	46	58	43	179	0	138	127	81	
108300	94	0	116	68	47	176	0	150	117	83	
108350	90	0	123	51	34	170	0	221	110	75	
108400	87	0	154	42	26	164	0	256	86	56	
108450	88	0	158	59	34	162	0	289	94	56	
108500	84	0	179	55	31	159	0	312	106	60	
108550	85	0	162	75	34	156	0	316	120	60	
108600	85	0	168	83	36	157	0	306	146	65	
108650	87	0	165	69	35	159	0	308	141	66	
108700	89	0	172	62	33	163	0	312	121	63	
108750	89	0	134	126	60	165	0	283	174	86	
108800	89	0	106	74	36	165	0	222	185	89	
108850	91	0	126	58	28	167	0	215	122	59	
108900	91	0	105	69	35	169	0	214	118	58	
108950	94	0	99	67	33	171	0	189	126	63	
109000	94	0	88	87	48	174	0	173	143	75	
109031.72	92	0	107	81	50	109	0	115	99	58	
109043.71	94	0	92	118	59	41	0	44	44	24	
109050	96	0	104	94	52	22	0	23	25	13	
109100	96	0	117	47	26	178	0	205	131	72	
109150	98	0	147	45	26	180	0	244	85	48	
109200	92	0	132	50	30	176	0	258	88	52	
109250	92	0	136	80	34	170	0	248	120	59	
109300	95	0	120	87	47	173	0	237	155	75	
109350	94	0	79	79	51	175	0	184	154	91	
109400	93	0	73	83	55	173	0	141	150	98	
109450	94	0	85	43	27	173	0	146	117	76	
109500	96	0	56	80	42	176	0	131	114	64	
109550	95	0	74	61	38	177	0	120	131	74	
109600	96	0	20	104	55	177	0	87	153	86	
109650	99	0	34	91	51	181	0	50	181	98	
109700	97	0	28	78	45	181	0	57	156	89	
109750	109	0	15	72	48	191	0	40	139	86	
109800	124	0	29	0	0	216	0	41	67	44	
109850	149	0	31	0	0	253	0	56	0	0	
109900	169	0	40	0	0	294	0	66	0	0	
109950	227	0	26	0	0	367	0	61	0	0	
110000	272	0	19	0	0	462	0	42	0	0	
110030	320	0	20	0	0	329	0	22	0	0	
110050	245	0	44	0	0	209	0	24	0	0	
110100	166	0	11	0	0	381	0	51	0	0	BRIDGE
110150	0	0	0	0	0	154	0	10	0	0	BRIDGE

	Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
GROSS I-65 TOTALS	44685	13274	24997	5411	3181

Station	Exc (S.F.)	Rock Exc (S.F.)	Emb (S.F.)	GSR (S.F.)	Undercut (S.F.)	Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
RGP NB On Ramp										
43150	0	0	0	0	0					
43191.39	67	0	2	0	0	51	0	2	0	0
43200	60	0	4	0	0	20	0	1	0	0
43250	73	0	7	0	0	123	0	10	0	0
43287.9	89	0	8	0	0	114	0	11	0	0
43300	88	0	8	0	0	40	0	4	0	0
43350	148	0	2	0	0	219	0	9	0	0
43399.34	196	0	1	0	0	314	0	3	0	0
43400	197	0	1	0	0	5	0	0	0	0
43407.27	207	0	0	0	0	54	0	0	0	0
43450	295	0	0	0	0	397	0	0	0	0
43485.72	212	0	0	0	0	335	0	0	0	0
43486.94	216	0	0	0	0	10	0	0	0	0
GROSS RGP NB On Ramp						Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
						1682	0	39	0	0

Station	Exc (S.F.)	Rock Exc (S.F.)	Emb (S.F.)	GSR (S.F.)	Undercut (S.F.)	Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
RGP SB Off Ramp										
50891.01	26	0	11	33	11					
50900	47	0	6	36	17	12	0	3	11	6
50950	43	0	1	27	20	83	0	6	58	37
51000	4	0	2	0	0	44	0	3	25	0
51050	2	0	0	0	0	6	0	2	0	0
51100	0	0	0	0	0	2	0	0	0	0
51141.16	0	0	0	0	0	0	0	0	0	0
51146.34	0	0	0	0	0	0	0	0	0	0
51150	0	0	0	0	0	0	0	0	0	0
51200	0	0	0	0	0	0	0	0	0	0
GROSS RGP SB Off Ramp						Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
						146	0	14	95	43

Station	Exc (S.F.)	Rock Exc (S.F.)	Emb (S.F.)	GSR (S.F.)	Undercut (S.F.)	Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
LHP NB Off Ramp										
55769.12	37	0	0	0	0					
55800	40	0	0	0	0	44	0	0	0	0
55850	45	0	0	0	0	79	0	0	0	0
55900	59	0	0	0	0	96	0	0	0	0
55950	77	0	0	0	0	126	0	0	0	0
56000	76	0	0	0	0	142	0	0	0	0
56050	60	0	0	0	0	126	0	0	0	0
56100	49	0	0	0	0	101	0	0	0	0
56150	58	0	0	0	0	99	0	0	0	0
56152.11	57	0	0	0	0	4	0	0	0	0
56200	59	0	0	0	0	103	0	0	0	0
56250	62	0	0	0	0	112	0	0	0	0
56300	64	0	2	0	0	117	0	2	0	0
56350	66	0	0	0	0	120	0	2	0	0
56400	54	0	0	0	0	111	0	0	0	0
56468.17	0	0	0	0	0	68	0	0	0	0
GROSS LHP NB Off Ramp						Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
						1448	0	4	0	0

Station	Exc (S.F.)	Rock Exc (S.F.)	Emb (S.F.)	GSR (S.F.)	Undercut (S.F.)	Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
LHP SB On Ramp										
63150	0	0	0	0	0					
63200	40	0	7	0	0	37	0	6	0	0
63250	26	0	0	0	0	61	0	6	0	0
63300	20	0	0	0	0	43	0	0	0	0
63350	65	0	1	0	0	79	0	1	0	0
63400	92	0	2	0	0	145	0	3	0	0
63450	169	0	2	0	0	242	0	4	0	0
63500	204	0	2	0	0	345	0	4	0	0
63550	219	0	1	0	0	392	0	3	0	0
63600	214	0	0	0	0	401	0	1	0	0
63650	206	0	0	0	0	389	0	0	0	0
63700	103	0	2	0	0	286	0	2	0	0
63750	104	0	3	0	0	192	0	5	0	0
63800	122	0	1	0	0	209	0	4	0	0
63850	55	0	0	0	0	164	0	1	0	0
63900	59	0	0	0	0	106	0	0	0	0
63950	46	0	0	0	0	97	0	0	0	0
64000	39	0	0	0	0	79	0	0	0	0
64050	32	0	3	0	0	66	0	3	0	0
64100	25	0	14	0	0	53	0	16	0	0
64150	22	0	25	0	0	44	0	36	0	0
64200	22	0	32	0	0	41	0	53	0	0
64242.6	21	0	45	0	0	34	0	61	0	0
GROSS LHP SB On Ramp						Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
						3502	0	207	0	0

Station	Exc (S.F.)	Rock Exc (S.F.)	Emb (S.F.)	GSR (S.F.)	Undercut (S.F.)	Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
LHP SB On Ramp Tie										
80130	0	0	0	0	0					
80150	18	0	0	0	0	7	0	0	0	0
80200	21	0	0	0	0	36	0	0	0	0
80250	45	0	0	0	0	61	0	0	0	0
80298.58	39	0	0	0	0	76	0	0	0	0
GROSS LHP SB On Ramp Tie						Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
						179	0	0	0	0

Station	Exc (S.F.)	Rock Exc (S.F.)	Emb (S.F.)	GSR (S.F.)	Undercut (S.F.)	Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
LHP SB Off Ramp										
62450	0	0	0	0	0					
62500	5	0	86	0	0	5	0	80	0	0
62550	17	0	11	0	0	20	0	90	0	0
62600	20	0	6	0	0	34	0	16	0	0
62608.54	20	0	7	0	0	6	0	2	0	0
62650	37	0	7	0	0	44	0	11	0	0
62668.92	41	0	5	0	0	27	0	4	0	0
62700	49	0	3	0	0	52	0	5	0	0
62750	57	0	1	0	0	98	0	4	0	0
62800	86	0	0	0	0	132	0	1	0	0
62814.41	77	0	1	0	0	43	0	0	0	0
62850	58	0	0	0	0	89	0	1	0	0
62900	44	0	7	0	0	94	0	6	0	0
62950	44	0	0	0	0	81	0	6	0	0
62961.21	44	0	0	0	0	18	0	0	0	0
63000	44	0	0	0	0	63	0	0	0	0
63015.45	40	0	0	0	0	24	0	0	0	0
63050	40	0	0	0	0	51	0	0	0	0
63054.79	40	0	0	0	0	7	0	0	0	0
63083.32	41	0	0	0	0	43	0	0	0	0
63100	23	0	0	0	0	20	0	0	0	0
63133.84	23	0	0	0	0	29	0	0	0	0
63150	0	0	0	0	0	7	0	0	0	0
GROSS LHP SB Off Ramp						Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
						990	0	225	0	0

Station	Exc (S.F.)	Rock Exc (S.F.)	Emb (S.F.)	GSR (S.F.)	Undercut (S.F.)	Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
LHP Tie Ramp										
63000	17	0	0	0	0					
63050	24	0	0	0	0	38	0	0	0	0
63087.4	29	0	0	0	0	37	0	0	0	0
63100	22	0	2	0	0	12	0	0	0	0
63144.56	0	0	0	0	0	18	0	2	0	0
GROSS LHP Tie Ramp						Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
						105	0	2	0	0

Station	Exc (S.F.)	Rock Exc (S.F.)	Emb (S.F.)	GSR (S.F.)	Undercut (S.F.)	Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
LHP NB On Ramp										
60400	0	0	0	0	0					
60450	25	0	2	0	0	23	0	2	0	0
60500	31	0	2	0	0	52	0	4	0	0
60550	26	0	1	0	0	53	0	3	0	0
60600	50	0	3	0	0	70	0	4	0	0
60642.95	32	0	13	0	0	65	0	13	0	0
60650	30	0	15	0	0	8	0	4	0	0
60652.16	29	0	15	0	0	2	0	1	0	0
60700	14	0	27	0	0	38	0	37	0	0
60750	16	0	13	0	0	28	0	37	0	0
60800	25	0	11	0	0	38	0	22	0	0
60850	0	0	0	0	0	23	0	10	0	0
GROSS LHP NB On Ramp						Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
						401	0	136	0	0

Station	Exc (S.F.)	Rock Exc (S.F.)	Emb (S.F.)	GSR (S.F.)	Undercut (S.F.)	Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
E Cedar Rd Haul Rd										
5000	14	0	0	0	0					
5020	0	0	0	20	0	5	0	0	7	0
5040	294	0	0	0	0	109	0	0	7	0
5060	571	0	0	0	0	320	0	0	0	0
5080	481	0	0	0	0	390	0	0	0	0
5100	331	0	0	0	0	301	0	0	0	0
5120	202	0	0	0	0	197	0	0	0	0
5140	93	0	0	0	0	109	0	0	0	0
5160	38	0	0	0	0	49	0	0	0	0
5180	24	0	0	0	0	23	0	0	0	0
5200	18	0	0	0	0	16	0	0	0	0
GROSS E Cedar Rd Haul Rd						Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
						1519	0	0	15	0

DAVIDSON / SUMNER COUNTIES, TENNESSEE TODAY'S DATE 11/20/2024 DAH
I-65 FROM NEAR RIVERGATE PARKWAY CHECKED BY
TO NEAR SR-41 (US-31W)(IA) SECTION 1
SUMNER CO EARTHWORK TOTALS
T:\TDOT\Davidson-Sumner_I65\Quants\DWI65Earthwork-Sumner.xls

	EXC	ROCK EXC	EMB	GSR	UNDERCUT
GROSS MAINLINE TOTALS	42695	37084	14770	7098	6010
GROSS APPROACH TOTALS	5222	0	0	0	0
GROSS HAUL ROAD TOTALS	5222	0	0	2788	0

RAW NUMBERS

ROADWAY	EXC (C.Y.)	ROCK EXC (C.Y.)	EMB (C.Y.)	GSR (C.Y.)	UNDERCUT (C.Y.)
I-65	42,695	37,084	14,770	7,098	6,010
RAMPS & US-31W	32,660	0	5,732	792	750
HAUL ROADS	5,222	0	0	0	0
END OF PROJECT MOT	2,607	0	3,667	0	0
TOTALS	83,184	37,084	24,169	7,889	6,760

			SUMNER COUNTY		
TOPSOIL CALCULATIONS			I-65 (CY)	RAMPS (CY)	TOTAL (CY)
IN CUT			9478	4300	13778
IN FILL			9885	3289	13174
TOTAL TOPSOIL AVAILABLE					26952
TOPSOIL REQUIRED			I-65 (C.Y.)	RAMPS (C.Y.)	TOTAL (C.Y.)
TOPSOIL			1513	1086	2599
TOTAL TOPSOIL NEEDED					2599

sf from report file x 0.5' depth
(3"-100% shrinkage = 6" depth) / 27 cf/cy

ROADWAY	EXC (C.Y.)	ROCK EXC (C.Y.)	EMB (C.Y.)	GSR (C.Y.)	UNDERCUT (C.Y.)
NB_HAUL1	109	0	0	917	0
NB_HAUL2	647	0	0	57	0
NB_HAUL3	1	0	0	565	0
NB_HAUL4	1,026	0	0	0	0
SB_HAUL1	1,070	0	0	730	0
SB_HAUL2	214	0	0	505	0
SB_HAUL3	2,154	0	0	13	0
TOTALS	5,222	0	0	2,788	0

Station	Exc (S.F.)	Rock Exc (S.F.)	Emb (S.F.)	GSR (S.F.)	Undercut (S.F.) I-65	Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)	
110100	166	0	11	0	0	154	0	10	0	0	BRIDGE
110150	0	0	0	0	0	154	0	10	0	0	BRIDGE
110200	0	0	0	0	0	0	0	0	0	0	BRIDGE
110250	496	0	0	0	0	459	0	0	0	0	BRIDGE
110300	379	0	12	0	0	810	0	11	0	0	
110350	328	0	4	0	0	655	0	15	0	0	
110400	127	0	13	0	0	421	0	16	0	0	
110450	138	0	34	0	0	245	0	44	0	0	
110500	147	0	32	0	0	264	0	61	0	0	
110550	135	0	22	0	0	261	0	50	0	0	
110600	129	0	32	0	0	244	0	50	0	0	
110650	129	0	33	0	0	239	0	60	0	0	
110700	133	0	39	0	0	243	0	67	0	0	
110750	144	0	46	0	0	256	0	79	0	0	
110800	141	0	46	0	0	264	0	85	0	0	
110850	138	0	47	0	0	258	0	86	0	0	
110900	157	0	37	0	0	273	0	78	0	0	
110950	176	0	33	0	0	308	0	65	0	0	
111000	144	0	37	201	185	296	0	65	186	171	
111050	116	0	56	202	182	241	0	86	373	340	
111100	133	0	60	202	181	231	0	107	374	336	
111150	137	0	51	203	182	250	0	103	375	336	
111200	120	0	64	204	174	238	0	106	377	330	
111250	113	0	108	0	0	216	0	159	189	161	
111300	106	0	116	0	0	203	0	207	0	0	
111350	104	0	144	0	0	194	0	241	0	0	
111400	107	0	160	0	0	195	0	281	0	0	
111450	85	0	140	0	0	178	0	278	0	0	
111500	88	0	119	0	0	160	0	240	0	0	
111550	89	0	98	0	0	164	0	201	0	0	
111600	92	0	93	0	0	168	0	177	0	0	
111650	90	0	114	0	0	169	0	192	0	0	
111700	88	0	106	0	0	165	0	204	0	0	
111750	90	0	95	0	0	165	0	186	0	0	
111800	90	0	106	0	0	167	0	186	0	0	
111850	91	0	169	63	63	168	0	255	58	58	
111900	92	0	174	61	61	169	0	318	115	115	
111950	91	0	136	60	60	169	0	287	112	112	
112000	99	0	66	0	0	176	0	187	56	56	
112050	105	0	53	0	0	189	0	110	0	0	
112100	106	0	51	0	0	195	0	96	0	0	
112150	106	0	0	288	222	196	0	47	267	206	
112200	97	0	56	297	238	188	0	52	542	426	
112250	90	0	401	203	191	173	0	423	463	397	
112300	126	0	71	281	230	200	0	437	448	390	
112350	115	0	18	308	248	223	0	82	545	443	
112400	157	0	10	271	230	252	0	26	536	443	
112450	215	0	55	0	0	344	0	60	251	213	
112500	270	0	55	0	0	449	0	102	0	0	
112550	257	0	52	0	0	488	0	99	0	0	
112600	208	0	84	0	0	431	0	126	0	0	
112650	271	9	31	0	0	444	8	106	0	0	
112700	217	313	18	0	0	452	298	45	0	0	
112750	286	399	16	0	0	466	659	31	0	0	
112800	484	547	15	0	0	713	876	29	0	0	
112850	562	751	21	0	0	969	1202	33	0	0	
112900	405	566	26	0	0	895	1219	44	0	0	
112950	387	593	28	0	0	733	1073	50	0	0	
113000	383	550	28	0	0	713	1058	52	0	0	
113050	412	532	24	0	0	736	1002	48	0	0	
113100	412	532	22	0	0	763	985	43	0	0	
113150	428	444	21	0	0	778	904	40	0	0	
113200	641	396	23	0	0	990	778	41	0	0	
113250	473	327	24	0	0	1031	669	44	0	0	
113300	514	291	31	0	0	914	572	51	0	0	
113350	529	265	34	0	0	966	515	60	0	0	
113400	510	247	30	0	0	962	474	59	0	0	
113450	513	256	36	0	0	947	466	61	0	0	
113500	485	262	38	0	0	924	480	69	0	0	
113550	435	308	34	0	0	852	528	67	0	0	

113600	437	335	27	0	0	807	595	56	0	0
113650	355	542	25	0	0	733	812	48	0	0
113700	187	812	17	0	0	502	1254	39	0	0
113750	183	946	14	0	0	343	1628	29	0	0
113800	189	940	16	0	0	344	1746	28	0	0
113850	193	887	16	0	0	354	1692	30	0	0
113900	196	946	10	0	0	360	1697	24	0	0
113950	182	944	9	0	0	350	1750	18	0	0
114000	178	867	12	0	0	333	1677	19	0	0
114050	179	829	13	0	0	331	1570	23	0	0
114100	121	579	0	0	0	278	1304	12	0	0
114150	118	541	1	0	0	221	1037	1	0	0
114200	149	437	2	0	0	247	906	3	0	0
114250	148	336	6	0	0	275	716	7	0	0
114300	150	332	3	0	0	276	619	8	0	0
114350	136	370	8	0	0	265	650	10	0	0
114400	201	433	19	0	0	312	744	25	0	0
114450	147	120	27	0	0	322	512	43	0	0
114467.83	133	44	31	0	0	92	54	19	0	0
114500	99	33	32	0	0	138	46	38	0	0
114550	69	7	32	0	0	156	37	59	0	0
114600	28	0	44	0	0	90	6	70	0	0
114650	19	0	23	0	0	44	0	62	0	0
114692.93	17	0	23	0	0	29	0	37	0	0
114700	33	0	29	0	0	7	0	7	0	0
114750	32	0	40	0	0	60	0	64	0	0
114800	40	0	48	0	0	67	0	81	0	0
114850	44	0	54	0	0	78	0	94	0	0
114900	57	0	62	0	0	94	0	107	0	0
114950	7	0	54	196	169	59	0	107	181	156
115000	15	0	54	195	161	20	0	100	362	306
115008.45	20	0	49	190	157	5	0	16	60	50
115050	7	0	46	195	156	21	0	73	296	241
115100	9	0	76	0	0	15	0	113	181	144
115150	12	0	43	0	0	19	0	110	0	0
115200	9	0	7	0	0	19	0	46	0	0
115250	8	0	0	0	0	16	0	6	0	0
115267.91	6	0	0	0	0	5	0	0	0	0
115300	0	0	0	0	0	4	0	0	0	0
115350	0	0	0	0	0	0	0	0	0	0
115400	0	0	0	0	0	0	0	0	0	0
115450	0	0	0	0	0	0	0	0	0	0
115500	0	0	0	0	0	0	0	0	0	0
115550	0	0	0	0	0	0	0	0	0	0
115600	0	0	149	31	31	0	0	138	29	29
115650	0	0	144	34	34	0	0	271	60	60
115700	0	0	175	33	33	0	0	295	62	62
115750	0	0	96	31	31	0	0	251	59	59
115800	1	0	159	30	30	1	0	236	56	56
115850	4	0	133	29	29	5	0	270	55	55
115888.58	8	0	112	27	27	9	0	175	40	40
115900	17	0	78	26	26	5	0	40	11	11
115950	19	0	72	0	0	33	0	139	24	24
115965.43	25	0	53	0	0	13	0	36	0	0
116000	40	0	38	0	0	42	0	58	0	0
116050	41	0	33	0	0	75	0	66	0	0
116100	56	0	19	0	0	90	0	48	0	0
116150	65	0	21	0	0	112	0	37	0	0
116200	69	0	22	0	0	124	0	40	0	0
116250	65	0	20	0	0	124	0	39	0	0
116300	68	0	13	0	0	123	0	31	0	0
116350	67	0	18	0	0	125	0	29	0	0
116400	104	0	30	0	0	158	0	44	0	0
116450	133	0	18	0	0	219	0	44	0	0
116500	138	0	12	0	0	251	0	28	0	0
116550	109	0	15	0	0	229	0	25	0	0
116600	83	0	21	0	0	178	0	33	0	0
116650	72	0	81	0	0	144	0	94	0	0
116700	70	0	115	0	0	131	0	181	0	0
116750	65	0	59	69	34	125	0	161	64	31
116800	66	0	75	44	25	121	0	124	105	55
116850	73	0	77	78	41	129	0	141	113	61
116900	75	0	195	0	0	137	0	252	72	38
116950	68	0	268	0	0	132	0	429	0	0
117000	68	0	147	0	0	126	0	384	0	0

BRIDGE
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117050	65	0	96	0	0	123	0	225	0	0
117100	64	0	50	0	0	119	0	135	0	0
117150	63	0	25	0	0	118	0	69	0	0
117200	68	0	10	0	0	121	0	32	0	0
117250	40	0	5	0	0	100	0	14	0	0
117300	39	0	9	0	0	73	0	13	0	0
117350	43	0	9	0	0	76	0	17	0	0
117400	42	0	10	0	0	79	0	18	0	0
117413.07	41	0	12	0	0	20	0	5	0	0
117450	40	0	13	0	0	55	0	17	0	0
117500	221	216	13	0	0	242	200	24	0	0
117550	246	280	16	0	0	432	459	27	0	0
117600	271	280	20	0	0	479	519	33	0	0
117650	172	202	20	0	0	410	446	37	0	0
117655.32	167	241	21	0	0	33	44	4	0	0
117700	134	228	17	0	0	249	388	31	0	0
117750	45	0	20	0	0	166	211	34	0	0
117800	41	0	17	0	0	80	0	34	0	0
117843.07	44	0	16	0	0	68	0	26	0	0
117850	42	0	17	0	0	11	0	4	0	0
117900	36	0	24	0	0	72	0	38	0	0
117950	34	0	36	0	0	65	0	56	0	0
118000	33	0	38	0	0	62	0	69	0	0
118050	33	0	37	0	0	61	0	69	0	0
118100	33	0	37	0	0	61	0	69	0	0
118150	40	0	36	0	0	68	0	68	0	0
118200	41	0	35	0	0	75	0	66	0	0
118250	42	0	42	0	0	77	0	71	0	0
118300	42	0	32	0	0	78	0	69	0	0
118350	45	0	32	0	0	81	0	59	0	0
118400	45	0	25	0	0	83	0	53	0	0
118450	0	0	0	0	0	42	0	23	0	0

	Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
GROSS I-65 TOTALS	42695	37084	14770	7098	6010

Station	Exc (S.F.)	Rock Exc (S.F.)	Emb (S.F.)	GSR (S.F.)	Undercut (S.F.) I-65	Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)	
118350	0	0	0	0	0						
118400	26	0	55	0	0	24	0	51	0	0	BRIDGE
118450	26	0	55	0	0	48	0	102	0	0	BRIDGE
118500	28	0	50	0	0	50	0	97	0	0	BRIDGE
118550	29	0	46	0	0	53	0	89	0	0	BRIDGE
118600	27	0	57	0	0	52	0	95	0	0	
118650	27	0	55	0	0	50	0	104	0	0	
118700	28	0	57	0	0	51	0	104	0	0	
118750	27	0	58	0	0	51	0	106	0	0	
118800	29	0	55	0	0	52	0	105	0	0	
118850	29	0	48	0	0	54	0	95	0	0	
118900	30	0	44	0	0	55	0	85	0	0	
118950	28	0	44	0	0	54	0	81	0	0	
119000	28	0	44	0	0	52	0	81	0	0	
119050	28	0	48	0	0	52	0	85	0	0	
119100	28	0	46	0	0	52	0	87	0	0	
119150	29	0	32	0	0	53	0	72	0	0	
119200	27	0	44	0	0	52	0	70	0	0	
119250	28	0	45	0	0	51	0	82	0	0	
119300	29	0	44	0	0	53	0	82	0	0	
119350	29	0	46	0	0	54	0	83	0	0	
119400	28	0	50	0	0	53	0	89	0	0	
119450	29	0	45	0	0	53	0	88	0	0	
119500	28	0	44	0	0	53	0	82	0	0	
119550	28	0	44	0	0	52	0	81	0	0	
119600	27	0	42	0	0	51	0	80	0	0	
119650	29	0	38	0	0	52	0	74	0	0	
119700	28	0	38	0	0	53	0	70	0	0	
119750	28	0	38	0	0	52	0	70	0	0	
119800	27	0	39	0	0	51	0	71	0	0	
119850	26	0	46	0	0	49	0	79	0	0	
119900	25	0	43	0	0	47	0	82	0	0	
119950	26	0	48	0	0	47	0	84	0	0	
120000	27	0	45	0	0	49	0	86	0	0	
120050	28	0	35	0	0	51	0	74	0	0	
120100	28	0	31	0	0	52	0	61	0	0	
120150	29	0	29	0	0	53	0	56	0	0	
120200	28	0	30	0	0	53	0	55	0	0	
120250	28	0	29	0	0	52	0	55	0	0	
120300	28	0	25	0	0	52	0	50	0	0	
120350	15	0	22	0	0	40	0	44	0	0	
120400	16	0	24	0	0	29	0	43	0	0	
120450	16	0	20	0	0	30	0	41	0	0	
120500	16	0	18	0	0	30	0	35	0	0	
120550	16	0	16	0	0	30	0	31	0	0	
120600	15	0	15	0	0	29	0	29	0	0	
120650	16	0	13	0	0	29	0	26	0	0	
120700	15	0	16	0	0	29	0	27	0	0	
120750	15	0	15	0	0	28	0	29	0	0	
120800	14	0	15	0	0	27	0	28	0	0	
120850	15	0	15	0	0	27	0	28	0	0	
120900	16	0	12	0	0	29	0	25	0	0	
120950	16	0	10	0	0	30	0	20	0	0	
121000	16	0	9	0	0	30	0	18	0	0	
121050	14	0	12	0	0	28	0	19	0	0	
121100	16	0	9	0	0	28	0	19	0	0	
121150	15	0	6	0	0	29	0	14	0	0	
121200	15	0	4	0	0	28	0	9	0	0	
121250	16	0	6	0	0	29	0	9	0	0	
121300	15	0	6	0	0	29	0	11	0	0	
121350	15	0	5	0	0	28	0	10	0	0	
121400	0	0	0	0	0	14	0	5	0	0	

	Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
GROSS MOT I-65 TOTALS	2607	0	3667	0	0

Station	Exc (S.F.)	Rock Exc (S.F.)	Emb (S.F.)	GSR (S.F.)	Undercut (S.F.) US31W	Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
20100	0	0	0	0	0					
20150	0	0	0	0	0	0	0	0	0	0
20200	1	0	0	0	0	1	0	0	0	0
20250	10	0	0	0	0	10	0	0	0	0
20300	13	0	6	14	9	21	0	6	13	8
20350	36	0	6	16	10	45	0	11	28	18
20400	43	0	0	0	0	73	0	6	15	9
20450	41	0	0	0	0	78	0	0	0	0
20500	33	0	0	0	0	69	0	0	0	0
20550	30	0	0	0	0	58	0	0	0	0
20600	31	0	0	0	0	56	0	0	0	0
20650	34	0	0	0	0	60	0	0	0	0
20700	23	0	0	0	0	53	0	0	0	0
20750	53	0	0	0	0	70	0	0	0	0
20800	24	0	0	0	0	71	0	0	0	0
20850	22	0	0	0	0	43	0	0	0	0
20900	878	0	0	0	0	833	0	0	0	0
20950	1148	0	0	0	0	1876	0	0	0	0
21000	1185	0	0	0	0	2160	0	0	0	0
21050	1242	0	0	0	0	2247	0	0	0	0
21100	1243	0	0	0	0	2301	0	0	0	0
21150	1211	0	0	0	0	2272	0	0	0	0
21200	1002	0	0	0	0	2049	0	0	0	0
21250	928	0	0	0	0	1787	0	0	0	0
21300	869	0	0	0	0	1664	0	0	0	0
21350	651	0	0	0	0	1407	0	0	0	0
21400	375	0	0	0	0	950	0	0	0	0
21450	40	0	0	0	0	384	0	0	0	0
21500	57	0	0	0	0	90	0	0	0	0
21550	32	0	4	0	0	82	0	4	0	0
21600	14	0	6	0	0	43	0	9	0	0
21650	50	0	0	0	0	59	0	6	0	0
21700	36	0	0	0	0	80	0	0	0	0
21743.99	30	0	0	0	0	54	0	0	0	0
21750	28	0	0	0	0	6	0	0	0	0
21800	0	0	0	0	0	26	0	0	0	0
21850	0	0	0	0	0	0	0	0	0	0
21900	0	0	0	0	0	0	0	0	0	0
21950	0	0	0	0	0	0	0	0	0	0
22000	0	0	0	0	0	0	0	0	0	0
GROSS US31W						Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
						21081	0	41	56	35

Station	Exc (S.F.)	Rock Exc (S.F.)	Emb (S.F.)	GSR (S.F.)	Undercut (S.F.)	Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
US31W NB Off Ramp										
67509.98	1	0	30	0	0					
67550	2	0	22	0	0	2	0	39	0	0
67600	2	0	40	0	0	4	0	57	0	0
67650	4	0	54	0	0	6	0	87	0	0
67700	5	0	72	0	0	8	0	117	0	0
67719.16	5	0	89	0	0	4	0	57	0	0
67750	9	0	7	0	0	8	0	55	0	0
67800	9	0	10	0	0	17	0	16	0	0
67850	8	0	12	0	0	16	0	20	0	0
67866.1	7	0	15	0	0	4	0	8	0	0
67900	11	0	24	0	0	11	0	24	0	0
67950	15	0	68	0	0	24	0	85	0	0
68000	54	0	82	0	0	64	0	139	0	0
68042.01	107	0	80	0	0	125	0	126	0	0
68050	114	0	79	0	0	33	0	24	0	0
68100	114	0	54	0	0	211	0	123	0	0
68150	39	0	21	0	0	142	0	69	0	0
68192.45	12	0	24	0	0	40	0	35	0	0
68200	9	0	21	0	0	3	0	6	0	0
68242.75	17	0	32	0	0	21	0	42	0	0
68250	17	0	33	0	0	5	0	9	0	0
68300	79	0	17	0	0	89	0	46	0	0
68350	85	0	11	0	0	152	0	26	0	0
68400	97	0	0	0	0	169	0	10	0	0
68409.95	10	0	2	0	0	20	0	0	0	0
68450	12	0	0	0	0	16	0	1	0	0
68466.87	11	0	0	0	0	7	0	0	0	0
68500	8	0	0	0	0	12	0	0	0	0
68550	3	0	0	0	0	10	0	0	0	0
68599.33	18	0	0	0	0	19	0	0	0	0
68600	19	0	0	0	0	0	0	0	0	0
68650	26	0	0	0	0	42	0	0	0	0
68700	19	0	0	0	0	42	0	0	0	0
68721.9	0	0	0	0	0	8	0	0	0	0
						Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
GROSS US31W NB Off Ramp						1332	0	1223	0	0

Station	Exc (S.F.)	Rock Exc (S.F.)	Emb (S.F.)	GSR (S.F.)	Undercut (S.F.)	Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
US31W Tie Ramp 2										
69000	51	0	11	0	0					
69050	131	0	0	0	0	169	0	10	0	0
69100	186	0	0	0	0	294	0	0	0	0
69132.13	126	0	0	0	0	186	0	0	0	0
GROSS US31W Tie Ramp 2						Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
						648	0	10	0	0

Station	Exc (S.F.)	Rock Exc (S.F.)	Emb (S.F.)	GSR (S.F.)	Undercut (S.F.)	Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
US31W Tie Ramp										
68000	100	0	0	0	0					
68050	152	0	0	0	0	233	0	0	0	0
68100	128	0	0	0	0	259	0	0	0	0
68117.25	116	0	0	0	0	78	0	0	0	0
GROSS US31W Tie Ramp						Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
						571	0	0	0	0

Station	Exc (S.F.)	Rock Exc (S.F.)	Emb (S.F.)	GSR (S.F.)	Undercut (S.F.)	Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
US31W NB On Ramp										
69845.22	525	0	0	0	0					
69850	454	0	0	0	0	87	0	0	0	0
69900	84	0	0	0	0	498	0	0	0	0
69950	104	0	0	0	0	174	0	0	0	0
69951.68	104	0	0	0	0	6	0	0	0	0
70000	192	0	15	34	34	265	0	13	30	30
70049.72	166	0	49	21	21	330	0	59	51	51
70050	165	0	49	21	21	2	0	1	0	0
70100	73	0	7	48	48	220	0	52	64	64
70150	49	0	1	32	32	113	0	7	74	74
70197.38	81	0	1	35	35	114	0	2	59	59
70200	84	0	1	35	35	8	0	0	3	3
70250	50	0	6	35	35	124	0	6	65	65
70300	42	0	7	19	19	85	0	12	50	50
70350	39	0	19	29	27	75	0	24	44	43
70400	46	0	23	35	32	79	0	39	59	55
70450	81	0	20	33	30	118	0	40	63	57
70500	84	0	18	25	24	153	0	35	54	50
70530.01	98	0	10	17	17	101	0	44	74	70
70550	97	0	6	12	12	72	0	22	34	33
70600	23	0	34	0	0	111	0	37	11	11
70650	25	0	8	0	0	44	0	39	0	0
70700	25	0	10	0	0	46	0	17	0	0
70750	23	0	11	0	0	44	0	19	0	0
70800	0	0	0	0	0	21	0	10	0	0
70850	0	0	0	0	0	0	0	0	0	0
70900	0	0	0	0	0	0	0	0	0	0
70950	0	0	0	0	0	0	0	0	0	0
71000	0	0	0	0	0	0	0	0	0	0
71050	0	0	0	0	0	0	0	0	0	0
71100	0	0	0	0	0	0	0	0	0	0
71150	0	0	0	0	0	0	0	0	0	0
71200	0	0	0	0	0	0	0	0	0	0
71250	0	0	0	0	0	0	0	0	0	0
71300	0	0	0	0	0	0	0	0	0	0
71350	0	0	0	0	0	0	0	0	0	0
71400	0	0	0	0	0	0	0	0	0	0
71450	0	0	0	0	0	0	0	0	0	0
71500	0	0	0	0	0	0	0	0	0	0
71550	0	0	0	0	0	0	0	0	0	0
71554.6	0	0	0	0	0	0	0	0	0	0
71600	0	0	0	0	0	0	0	0	0	0
71650	0	0	0	0	0	0	0	0	0	0
71700	0	0	0	0	0	0	0	0	0	0
71750	0	0	0	0	0	0	0	0	0	0
71787.32	0	0	0	0	0	0	0	0	0	0
71800	0	0	0	0	0	0	0	0	0	0
71850	0	0	0	0	0	0	0	0	0	0
71900	0	0	0	0	0	0	0	0	0	0
71925.08	0	0	0	0	0	0	0	0	0	0
71950	0	0	0	0	0	0	0	0	0	0
72000	0	0	0	0	0	0	0	0	0	0
72050	0	0	0	0	0	0	0	0	0	0
72100	0	0	0	0	0	0	0	0	0	0
72150	0	0	0	0	0	0	0	0	0	0
72200	0	0	0	0	0	0	0	0	0	0
72219.16	0	0	0	0	0	0	0	0	0	0
GROSS US31W NB On Ramp						Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
						2891	0	479	736	715

Station	Exc (S.F.)	Rock Exc (S.F.)	Emb (S.F.)	GSR (S.F.)	Undercut (S.F.)	Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
US31W Tie Ramp 3										
69983.88	0	0	0	0	0					
70000	0	0	0	0	0	0	0	0	0	0
70026.09	0	0	0	0	0	0	0	0	0	0
70050	0	0	0	0	0	0	0	0	0	0
70100	7	0	0	0	0	6	0	0	0	0
70150	6	0	0	0	0	12	0	0	0	0
70200	2	0	0	0	0	7	0	0	0	0
70243.11	0	0	0	0	0	2	0	0	0	0
70250	0	0	0	0	0	0	0	0	0	0
70264.38	0	0	0	0	0	0	0	0	0	0
70300	0	0	0	0	0	0	0	0	0	0
70350	20	0	13	0	0	19	0	12	0	0
70400	22	0	13	0	0	39	0	24	0	0
70430.88	24	0	13	0	0	26	0	15	0	0
GROSS US31W Tie Ramp 3						Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
						111	0	51	0	0

Station	Exc (S.F.)	Rock Exc (S.F.)	Emb (S.F.)	GSR (S.F.)	Undercut (S.F.)	Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
US31W SB Off Ramp										
75024.68	21	0	18	0	0					
75050	22	0	18	0	0	20	0	17	0	0
75100	23	0	7	0	0	42	0	23	0	0
75150	31	0	6	0	0	50	0	12	0	0
75200	28	0	18	0	0	55	0	22	0	0
75201.68	27	0	17	0	0	2	0	1	0	0
75250	28	0	22	0	0	49	0	35	0	0
75300	24	0	24	0	0	48	0	43	0	0
75332.23	20	0	23	0	0	26	0	28	0	0
75350	23	0	20	0	0	14	0	14	0	0
75400	22	0	85	0	0	42	0	97	0	0
75450	27	0	151	0	0	45	0	219	0	0
75500	9	0	145	0	0	33	0	274	0	0
75550	11	0	161	0	0	19	0	283	0	0
75551.77	11	0	162	0	0	1	0	11	0	0
75600	6	0	152	0	0	15	0	280	0	0
75650	9	0	122	0	0	14	0	254	0	0
75700	13	0	103	0	0	20	0	208	0	0
75750	18	0	100	0	0	29	0	188	0	0
75800	26	0	64	0	0	41	0	152	0	0
75850	36	0	34	0	0	57	0	91	0	0
75900	15	0	25	0	0	47	0	55	0	0
75926.37	16	0	17	0	0	15	0	21	0	0
75950	16	0	14	0	0	14	0	14	0	0
75997.48	22	0	16	0	0	33	0	26	0	0
76000	20	0	17	0	0	2	0	2	0	0
76050	3	0	0	0	0	21	0	16	0	0
76100	3	0	0	0	0	6	0	0	0	0
76150	7	0	0	0	0	9	0	0	0	0
76189.05	9	0	0	0	0	12	0	0	0	0
76200	9	0	0	0	0	4	0	0	0	0
76250	22	0	0	0	0	29	0	0	0	0
GROSS US31W SB Off Ramp						Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
						814	0	2384	0	0

Station	Exc (S.F.)	Rock Exc (S.F.)	Emb (S.F.)	GSR (S.F.)	Undercut (S.F.)	Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
US31W Tie Ramp 1										
80000	46	0	4	0	0					
80050	140	0	0	0	0	172	0	4	0	0
80099.69	122	0	0	0	0	241	0	0	0	0
GROSS US31W Tie Ramp 1						413	0	4	0	0

Station	Exc (S.F.)	Rock Exc (S.F.)	Emb (S.F.)	GSR (S.F.)	Undercut (S.F.)	Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
US31W SB On Ramp										
77479.83	335	0	0	0	0					
77500	440	0	0	0	0	289	0	0	0	0
77550	212	0	0	0	0	604	0	0	0	0
77600	71	0	1	0	0	262	0	1	0	0
77650	90	0	15	0	0	149	0	15	0	0
77700	63	0	16	0	0	142	0	29	0	0
77750	79	0	30	0	0	131	0	43	0	0
77800	172	0	18	0	0	232	0	44	0	0
77813.68	73	0	20	0	0	62	0	10	0	0
77850	33	0	17	0	0	71	0	25	0	0
77900	17	0	28	0	0	46	0	42	0	0
77950	97	0	28	0	0	106	0	52	0	0
78000	73	0	47	0	0	157	0	69	0	0
78050	79	0	56	0	0	141	0	95	0	0
78100	115	0	107	0	0	180	0	151	0	0
78150	96	0	10	0	0	195	0	108	0	0
78196.86	53	0	6	0	0	129	0	14	0	0
78200	53	0	6	0	0	6	0	1	0	0
78203.36	54	0	6	0	0	7	0	1	0	0
78250	59	0	12	0	0	98	0	16	0	0
78300	60	0	29	0	0	110	0	38	0	0
78350	52	0	37	0	0	104	0	61	0	0
78386.16	40	0	36	0	0	62	0	49	0	0
78400	36	0	32	0	0	19	0	17	0	0
78450	23	0	175	0	0	55	0	192	0	0
78500	21	0	113	0	0	41	0	267	0	0
78550	20	0	27	0	0	38	0	130	0	0
78600	171	0	9	0	0	177	0	33	0	0
78650	251	0	6	0	0	391	0	14	0	0
78686.16	271	0	2	0	0	350	0	5	0	0
GROSS US31W SB On Ramp						Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
						4353	0	1520	0	0

Station	Exc (S.F.)	Rock Exc (S.F.)	Emb (S.F.)	GSR (S.F.)	Undercut (S.F.)	Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
US31W SB On Ramp Tie										
78000	0	0	0	0	0					
78050	18	0	0	0	0	17	0	0	0	0
78100	56	0	0	0	0	69	0	0	0	0
78150	52	0	11	0	0	100	0	10	0	0
78189.26	48	0	1	0	0	73	0	9	0	0
78200	65	0	0	0	0	22	0	0	0	0
78250	52	0	0	0	0	108	0	0	0	0
78278.23	59	0	0	0	0	58	0	0	0	0
GROSS US31W SB On Ramp Tie						Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
						447	0	19	0	0

Station	Exc (S.F.)	Rock Exc (S.F.)	Emb (S.F.)	GSR (S.F.)	Undercut (S.F.)	Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
NB_Haul1										
1000	41	0	0	0	0					
1020	0	0	0	75	0	15	0	0	28	0
1040	0	0	0	206	0	0	0	0	104	0
1060	0	0	0	185	0	0	0	0	145	0
1080	0	0	0	76	0	0	0	0	97	0
1100	6	0	0	25	0	2	0	0	37	0
1120	11	0	0	16	0	6	0	0	15	0
1140	12	0	0	15	0	9	0	0	11	0
1160	10	0	0	14	0	8	0	0	11	0
1180	13	0	0	13	0	9	0	0	10	0
1200	11	0	0	13	0	9	0	0	10	0
1220	10	0	0	12	0	8	0	0	9	0
1240	11	0	0	13	0	8	0	0	9	0
1260	13	0	0	13	0	9	0	0	10	0
1280	10	0	0	12	0	9	0	0	9	0
1300	8	0	0	11	0	7	0	0	9	0
1320	9	0	0	1	0	6	0	0	4	0
1340	3	0	0	20	0	4	0	0	8	0
1360	0	0	0	72	0	1	0	0	34	0
1380	0	0	0	258	0	0	0	0	122	0
1400	0	0	0	377	0	0	0	0	235	0
GROSS NB_Haul1						Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
						109	0	0	917	0

Station	Exc (S.F.)	Rock Exc (S.F.)	Emb (S.F.)	GSR (S.F.)	Undercut (S.F.)	Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
NB_Haul2										
500	24	0	0	0	0					
520	7	0	0	0	0	11	0	0	0	0
540	6	0	0	2	0	5	0	0	1	0
560	3	0	0	8	0	3	0	0	4	0
580	3	0	0	7	0	2	0	0	6	0
600	2	0	0	6	0	2	0	0	5	0
620	0	0	0	4	0	1	0	0	4	0
640	0	0	0	6	0	0	0	0	4	0
660	12	0	0	0	0	4	0	0	2	0
680	76	0	0	0	0	33	0	0	0	0
700	203	0	0	0	0	103	0	0	0	0
720	257	0	0	0	0	170	0	0	0	0
740	175	0	0	0	0	160	0	0	0	0
760	90	0	0	7	0	98	0	0	3	0
780	16	0	0	29	0	39	0	0	13	0
800	10	0	0	0	0	10	0	0	11	0
820	3	0	0	15	0	5	0	0	6	0
GROSS NB_Haul2						Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
						647	0	0	57	0

Station	Exc (S.F.)	Rock Exc (S.F.)	Emb (S.F.)	GSR (S.F.)	Undercut (S.F.) NB_Haul3	Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
2000	0	0	0	305	0					
2020	0	0	0	299	0	0	0	0	224	0
2040	0	0	0	196	0	0	0	0	183	0
2060	0	0	0	81	0	0	0	0	103	0
2080	0	0	0	24	0	0	0	0	39	0
2100	0	0	0	9	0	0	0	0	12	0
2120	4	0	0	2	0	1	0	0	4	0
GROSS NB_Haul3						Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
						1	0	0	565	0

Station	Exc (S.F.)	Rock Exc (S.F.)	Emb (S.F.)	GSR (S.F.)	Undercut (S.F.)	Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
NB_Haul4										
3120	22	0	0	0	0					
3140	22	0	0	0	0	16	0	0	0	0
3160	62	0	0	0	0	31	0	0	0	0
3180	167	0	0	0	0	85	0	0	0	0
3200	297	0	0	0	0	172	0	0	0	0
3220	415	0	0	0	0	264	0	0	0	0
3240	342	0	0	0	0	280	0	0	0	0
3260	138	0	0	0	0	178	0	0	0	0
GROSS NB_Haul4						Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
						1026	0	0	0	0

Station	Exc (S.F.)	Rock Exc (S.F.)	Emb (S.F.)	GSR (S.F.)	Undercut (S.F.)	Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
SB_Haul1										
0	47	0	0	0	0					
20	13	0	0	0	0	22	0	0	0	0
40	0	0	0	143	0	5	0	0	53	0
60	0	0	0	236	0	0	0	0	140	0
80	0	0	0	130	0	0	0	0	136	0
100	2	0	0	47	0	1	0	0	66	0
120	10	0	0	19	0	4	0	0	24	0
140	9	0	0	19	0	7	0	0	14	0
160	9	0	0	24	0	7	0	0	16	0
180	8	0	0	32	0	6	0	0	21	0
200	9	0	0	33	0	6	0	0	24	0
220	8	0	0	32	0	6	0	0	24	0
240	17	0	0	61	0	9	0	0	34	0
260	23	0	0	67	0	15	0	0	47	0
280	29	0	0	56	0	19	0	0	46	0
300	24	0	0	47	0	20	0	0	38	0
320	65	0	0	28	0	33	0	0	28	0
340	140	0	0	11	0	76	0	0	14	0
360	237	0	0	1	0	140	0	0	4	0
380	304	0	0	0	0	200	0	0	0	0
400	327	0	0	0	0	234	0	0	0	0
420	374	0	0	0	0	260	0	0	0	0
GROSS SB_Haul1						Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
						1070	0	0	730	0

Station	Exc (S.F.)	Rock Exc (S.F.)	Emb (S.F.)	GSR (S.F.)	Undercut (S.F.)	Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
SB_Haul2										
2500	24	0	0	0	0					
2520	8	0	0	0	0	12	0	0	0	0
2540	0	0	0	137	0	3	0	0	51	0
2560	0	0	0	227	0	0	0	0	135	0
2580	0	0	0	123	0	0	0	0	130	0
2600	0	0	0	46	0	0	0	0	63	0
2620	2	0	0	25	0	1	0	0	26	0
2640	2	0	0	26	0	1	0	0	19	0
2660	4	0	0	18	0	2	0	0	16	0
2680	9	0	0	12	0	5	0	0	11	0
2700	6	0	0	8	0	6	0	0	7	0
2720	4	0	0	9	0	4	0	0	6	0
2740	3	0	0	6	0	3	0	0	6	0
2760	2	0	0	10	0	2	0	0	6	0
2780	1	0	0	12	0	1	0	0	8	0
2800	0	0	0	12	0	0	0	0	9	0
2820	3	0	0	2	0	1	0	0	5	0
2840	28	0	0	0	0	11	0	0	1	0
2860	57	0	0	0	0	31	0	0	0	0
2880	90	0	0	0	0	54	0	0	0	0
2900	57	0	0	0	0	54	0	0	0	0
2920	1	0	0	3	0	21	0	0	1	0
2940	0	0	0	5	0	0	0	0	3	0
2960	1	0	0	2	0	0	0	0	3	0
GROSS SB_Haul2						Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
						214	0	0	505	0

Station	Exc (S.F.)	Rock Exc (S.F.)	Emb (S.F.)	GSR (S.F.)	Undercut (S.F.)	Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
SB_Haul3										
1500	24	0	0	0	0					
1520	0	0	0	2	0	9	0	0	1	0
1540	9	0	0	7	0	3	0	0	3	0
1560	2	0	0	5	0	4	0	0	4	0
1580	2	0	0	4	0	1	0	0	3	0
1600	14	0	0	0	0	6	0	0	1	0
1620	78	0	0	0	0	34	0	0	0	0
1640	180	0	0	0	0	96	0	0	0	0
1660	322	0	0	0	0	186	0	0	0	0
1680	517	0	0	0	0	311	0	0	0	0
1700	742	0	0	0	0	466	0	0	0	0
1720	600	0	0	0	0	497	0	0	0	0
1740	481	0	0	0	0	400	0	0	0	0
1755	24	0	0	0	0	140	0	0	0	0
GROSS SB_Haul3						Exc (C.Y.)	Rock Exc (C.Y.)	Emb (C.Y.)	GSR (C.Y.)	Undercut (C.Y.)
						2154	0	0	13	0