

PID 107376
MOT-75-14.74 PAVEMENT CALCULATION

Calculated By: TES Date: 12/14/2021
Check By: JAE Date: 12/14/2021

	STATION		CADD AREA (SF)	LENGTH (FT)	2.8125		2000				0.6667		0.50		0.0700		0.0550		0.0850		0.1458		0.1250		1.0417		Depth (ft)	DESCRIPTION	
	FROM	TO			SF	FT	SY	TON	SY	LS	SY	CY	CY	GAL	GAL	GAL	CY	CY	SY	SY									
Mainline I-75	385+76.00	390+08.17	52409.35	432.17	-	864.3400	-	-	-	-	-	5823.2611	-	-	-	-	-	494.9772	-	494.9772	-	242.6359	-	-	-	-	-	Mill/Overlay	
Mainline I-75	392+16.88	409+43.53	246544.43	1726.65	-	3453.3000	-	-	-	-	-	27393.8256	-	-	-	-	-	2328.4752	-	2328.4752	-	1141.4094	-	-	-	-	-	Mill/Overlay	
Mainline I-75	412+42.63	424+95.42	175349.23	1252.79	-	2505.5800	-	-	-	-	-	19483.2478	-	-	-	-	-	1656.0761	-	1656.0761	-	811.8020	-	-	-	-	-	Mill/Overlay	
Ramp D4	686+65.53	692+02.77	16115.93	537.24	-	-	-	-	-	-	-	1790.6589	-	-	-	-	-	152.2060	-	152.2060	-	74.6108	-	-	-	-	-	Mill/Overlay	
Ramp D4	696+45.25	698+08.60	4626.72	163.35	-	-	-	-	-	-	-	514.0800	-	-	-	-	-	43.6968	-	43.6968	-	21.4200	-	-	-	-	-	Mill/Overlay	
Ramp E2	584+95.25	587+67.96	10917.26	272.71	-	-	-	-	-	-	-	1213.0289	-	-	-	-	-	103.1075	-	103.1075	-	50.5429	-	-	-	-	-	Mill/Overlay	
Ramp E5	786+59.80	807+43.46	97174.68	2083.66	-	4167.3200	-	-	-	-	-	10797.1867	-	-	-	-	-	917.7609	-	917.7609	-	449.8828	-	-	-	-	-	Mill/Overlay	
02/IMS/PV SUBTOTAL						10991.0	0.0	0.0	0.0	0.0	0.0	67016.0	0.0	0.0	0.0	0.0	0.0	0.0	5697.0	0.0	5697.0	0.0	2793.0	0.0	0.0	0.0	0.0		
Mainline I-75	422+90.00	423+95.00	9302.18	105.00	-	210.0000	0.5168	1033.5756	26.75	1033.5756	-	-	229.6835	172.2626	-	-	170.5400	-	170.5400	-	50.2433	43.0656	-	-	-	-	-	-	Area with existing Median Barrier. Matching existing pavement, no step outs
Mainline I-75	423+95.00	424+95.42	9336.19	100.42	282.4312	200.8400	0.5187	1037.3544	26.85	1037.3544	-	-	230.5232	172.8924	-	-	171.1635	-	171.1635	-	50.4270	41.9155	-	-	-	-	-	-	Area with new Median Barrier. Matching existing pavement, no step outs
Mainline I-75	426+91.12	444+57.67	236379.37	1766.55	4968.4219	3533.1000	13.1322	26264.3744	679.60	26264.3744	-	-	5836.5277	4377.3957	-	-	4333.6218	-	4333.6218	-	1276.7404	1071.3470	-	-	-	-	-	-	
I75 - LT Step out	430+95.46	444+57.67	-	1362.21	-	-	0.2144	428.8439	11.10	428.8439	-	-	14.0145	33.6348	-	-	6.9372	-	6.9372	-	0.0000	-	-	-	-	-	-	-	Ex. Noise wall from 426+91.12 to 430+95.46
I75 - RT Step out	426+91.12	437+94.93	-	1103.81	-	-	0.1737	347.4957	9.00	347.4957	-	-	11.3561	27.2546	-	-	5.6213	-	5.6213	-	0.0000	-	-	-	-	-	-	-	
I75 - RT Step out	437+94.93	438+89.08	-	94.15	-	-	0.0262	52.3056	1.36	52.3056	-	-	6.9741	6.1023	-	-	4.6988	-	4.6988	-	1.1018	-	-	-	-	-	-	-	Rt Type D Concrete Barrier
I75 - RT Step out	438+89.08	440+45.73	-	156.65	-	-	0.0247	49.3157	1.28	49.3157	-	-	1.6116	3.8679	-	-	0.7978	-	0.7978	-	0.0000	-	-	-	-	-	-	-	
Approach Slab I-75	444+57.67	444+82.67	2100	25	-	50.0000	-	-	-	-	-	-	-	-	-	-	16.3333	12.8333	-	11.3426	9.7222	-	-	-	-	-	-	-	Mill/Overlay
Approach Slab - Median and Shoulders Pvt	444+57.67	444+82.67	950	25	-	-	0.0528	105.5556	2.74	105.5556	-	-	-	17.5926	7.3889	5.8056	-	5.8056	-	5.1312	4.3981	-	-	-	-	-	-	-	
Approach Slab - LT Step out	444+57.67	444+82.67	-	25	-	-	0.0021	4.1667	0.11	4.1667	-	-	-	0.6944	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Approach Slab - RT Step out	444+57.67	444+82.67	-	25	-	-	0.0021	4.1667	0.11	4.1667	-	-	-	0.6944	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Approach Slab I-75	446+86.73	447+11.73	2100	25	-	50.0000	-	-	-	-	-	-	-	-	-	-	16.3333	12.8333	-	11.3426	9.7222	-	-	-	-	-	-	-	Mill/Overlay
Approach Slab - Median and Shoulders Pvt	446+86.73	447+11.73	950	25	-	-	0.0528	105.5556	2.74	105.5556	-	-	-	17.5926	7.3889	5.8056	-	5.8056	-	5.1312	4.3981	-	-	-	-	-	-	-	
Approach Slab - LT Step out	446+86.73	447+11.73	-	25	-	-	0.0021	4.1667	0.11	4.1667	-	-	-	0.6944	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Approach Slab - RT Step out	446+86.73	447+11.73	-	25	-	-	0.0021	4.1667	0.11	4.1667	-	-	-	0.6944	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Approach Slab I-75	471+43.51	471+68.51	1800	25	-	50.0000	-	-	-	-	-	-	-	-	-	-	14.0000	11.0000	-	9.7222	8.3333	-	-	-	-	-	-	-	Mill/Overlay
Approach Slab - Median and Shoulders Pvt	471+43.51	471+68.51	1000	25	-	-	0.0556	111.1111	2.88	111.1111	-	-	-	18.5185	7.7778	6.1111	-	6.1111	-	5.4012	4.6296	-	-	-	-	-	-	-	
Approach Slab - LT Step out	471+43.51	471+68.51	-	25	-	-	0.0021	4.1667	0.11	4.1667	-	-	-	0.6944	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Approach Slab - RT Step out	471+43.51	471+68.51	-	25	-	-	0.0021	4.1667	0.11	4.1667	-	-	-	0.6944	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Approach Slab I-75	472+87.27	473+12.27	1800	25	-	50.0000	-	-	-	-	-	-	-	-	-	-	14.0000	11.0000	-	9.7222	8.3333	-	-	-	-	-	-	-	Mill/Overlay
Approach Slab - Median and Shoulders Pvt	472+87.27	473+12.27	1000	25	-	-	0.0556	111.1111	2.88	111.1111	-	-	-	18.5185	7.7778	6.1111	-	6.1111	-	5.4012	4.6296	-	-	-	-	-	-	-	
Approach Slab - LT Step out	472+87.27	473+12.27	-	25	-	-	0.0021	4.1667	0.11	4.1667	-	-	-	0.6944	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Approach Slab - RT Step out	472+87.27	473+12.27	-	25	-	-	0.0021	4.1667	0.11	4.1667	-	-	-	0.6944	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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	STATION		CADD AREA (SF)	LENGTH (FT)	2.8125		2000				0.6667		0.50		0.0700		0.0550		0.0850		0.1458		0.1250		1.0417		Depth (ft)	DESCRIPTION
	FROM	TO			SF	FT	HOUR	SY	TON	SY	LS	SY	CY	CY	GAL	GAL	GAL	CY	CY	SY	SY							
						872	204	206	206	206	206	254	302	304	407	407	407	442	442	452	888							
Approach Slab I-75	486+59.03	486+84.03	1800	25	-	-	-	-	-	-	-	-	-	14.0000	11.0000	-	9.7222	8.3333	-	-	-	-	-	-	-	-	-	Mill/Overlay
Approach Slab - Median and Shoulders Pnt	486+59.03	486+84.03	1000	25	-	-	0.0556	111.1111	2.88	111.1111	-	-	-	18.5185	7.7778	6.1111	-	5.4012	4.6296	-	-	-	-	-	-	-	-	-
Approach Slab - LT Step out	486+59.03	486+84.03	-	25	-	-	0.0021	4.1667	0.11	4.1667	-	-	-	0.6944	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Approach Slab - RT Step out	486+59.03	486+84.03	-	25	-	-	0.0021	4.1667	0.11	4.1667	-	-	-	0.6944	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Approach Slab I-75	488+65.56	488+90.56	1800	25	-	-	50.0000	-	-	-	-	-	-	14.0000	11.0000	-	9.7222	8.3333	-	-	-	-	-	-	-	-	-	Mill/Overlay
Approach Slab - Median and Shoulders Pnt	488+65.56	488+90.56	1000	25	-	-	0.0556	111.1111	2.88	111.1111	-	-	-	18.5185	7.7778	6.1111	-	5.4012	4.6296	-	-	-	-	-	-	-	-	-
Approach Slab - LT Step out	488+65.56	488+90.56	-	25	-	-	0.0021	4.1667	0.11	4.1667	-	-	-	0.6944	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Approach Slab - RT Step out	488+65.56	488+90.56	-	25	-	-	0.0021	4.1667	0.11	4.1667	-	-	-	0.6944	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ramp N-8	2+80.93	7+41.91	11482.32	460.98	-	-	0.6379	1275.8133	33.02	1275.8133	-	-	-	212.6356	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N8 - LT Step out	2+80.93	7+41.91	-	460.98	-	-	0.0512	102.4400	2.66	102.4400	-	-	-	4.2683	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N8 - RT Step out	2+80.93	7+41.91	-	460.98	-	-	0.0512	102.4400	2.66	102.4400	-	-	-	4.2683	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mainline I-75	447+11.73	455+49.17	109800.51	837.44	2355.3000	1674.8800	6.1000	12200.0567	315.68	12200.0567	-	-	2711.1237	2033.3428	-	2013.0094	-	593.0583	497.4315	-	-	-	-	-	-	-	-	-
I75 - LT Step out	447+11.73	455+25.07	-	813.34	-	-	0.1280	256.0515	6.63	256.0515	-	-	8.3677	20.0825	-	4.1420	-	0.0000	-	-	-	-	-	-	-	-	-	-
I75 - RT Step out	447+11.73	455+49.17	-	837.44	-	-	0.1318	263.6385	6.83	263.6385	-	-	8.6156	20.6775	-	4.2647	-	0.0000	-	-	-	-	-	-	-	-	-	-
Ramp N-7	445+86.90	448+33.00	6685.28	246.1	-	-	-	-	-	-	-	742.8089	-	-	-	-	63.1388	-	30.9504	-	-	-	-	-	-	-	-	Mill/Overlay
Ramp N-7	448+33.00	450+20.86	4685.52	187.86	-	-	0.2603	520.6133	13.48	520.6133	-	-	-	86.7689	-	-	-	-	-	520.6133	-	-	-	-	-	-	-	-
N7 - LT Step out	448+33.00	450+20.86	-	187.86	-	-	0.0296	59.1411	1.54	59.1411	-	-	1.9327	4.6385	-	0.9567	-	0.0000	-	-	-	-	-	-	-	-	-	-
N7 - RT Step out	448+33.00	450+20.86	-	187.86	-	-	0.0197	59.1411	1.54	59.1411	-	-	1.9327	4.6385	-	0.9567	-	0.0000	-	-	-	-	-	-	-	-	-	-
Ramp N-6	445+94.83	455+47.77	28443.68	952.94	-	-	-	-	-	-	-	3160.4089	-	-	-	-	268.6348	-	131.6837	-	-	-	-	-	-	-	-	Mill/Overlay
Ramp N-6A	440+39.91	444+50.00	12137.86	410.09	-	-	-	-	-	-	-	1348.6511	-	-	-	-	114.6353	-	56.1938	-	-	-	-	-	-	-	-	Mill/Overlay
Ramp N-6A	444+50.00	447+09.87	7333.5	259.87	-	-	0.4074	814.8333	21.09	814.8333	-	-	181.0741	135.8056	-	134.4475	-	39.6100	-	-	-	-	-	-	-	-	-	-
N6A - LT Step out	444+50.00	447+09.87	-	259.87	-	-	0.0409	81.8109	2.12	81.8109	-	-	2.6736	6.4165	-	1.3234	-	0.0000	-	-	-	-	-	-	-	-	-	-
N6A - RT Step out	444+50.00	447+09.87	-	259.87	-	-	0.0409	81.8109	2.12	81.8109	-	-	2.6736	6.4165	-	1.3234	-	0.0000	-	-	-	-	-	-	-	-	-	-
Mainline I-75	461+76.52	471+43.51	110950.2	966.99	2719.6594	1933.9800	6.1639	12327.8000	318.99	12327.8000	-	-	2739.5111	2054.6333	-	2034.0870	-	599.2681	501.0673	-	-	-	-	-	-	-	-	-
I75 - LT Step out	463+39.25	471+43.51	-	804.26	-	-	0.1266	253.1930	6.56	253.1930	-	-	8.2743	19.8583	-	4.0958	-	0.0000	-	-	-	-	-	-	-	-	-	Existing Wall from 461+76.52 to 463+39.25 No Step outs
I75 - RT Step out	461+76.52	471+43.51	-	966.99	-	-	0.1522	304.4228	7.88	304.4228	-	-	9.9485	23.8763	-	4.9245	-	0.0000	-	-	-	-	-	-	-	-	-	-
Mainline I-75	473+12.27	486+59.03	175298.65	1346.76	3787.7625	2693.5200	9.7388	19477.6278	503.99	19477.6278	-	-	4328.3617	3246.2713	-	3213.8086	-	946.8291	794.0319	-	-	-	-	-	-	-	-	-
I75 - LT Step out	473+12.27	486+59.03	-	1346.76	-	-	0.2120	423.9800	10.98	423.9800	-	-	13.8556	33.2533	-	6.8585	-	0.0000	-	-	-	-	-	-	-	-	-	-
I75 - RT Step out	473+12.27	486+59.03	-	1283.1	-	-	0.2020	403.9389	10.46	403.9389	-	-	13.2006	31.6815	-	6.5343	-	0.0000	-	-	-	-	-	-	-	-	-	-
I75 - RT Step out	486+59.03	486+59.03	-	63.66	-	-	0.0177	35.3667	0.92	35.3667	-	-	4.7156	4.1261	-	3.1771	-	0.7450	-	-	-	-	-	-	-	-	-	Rt Type D Concrete Barrier

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	STATION		CADD AREA (SF)	LENGTH (FT)	2.8125		2000		206	206	206	254	302	304	407	407	407	442	442	452	888	Depth (ft)	DESCRIPTION								
	FROM	TO			SY	TON	SY	LS																SY	CY	GAL	GAL	GAL	CY	CY	SY
	872	204			206	206	206	254																302	304	407	407	407	442	442	452
Ramp N-2	7+63.51	11+93.00	12170.42	429.49																											
N2 - LT Step out	7+63.51	11+73.00		409.49																											
N2 - LT Step out	11+73.00	11+93.00		20																											
N2 - RT Step out	7+63.51	11+93.00		429.49																											
Ramp N-3	1+04.00	4+35.18	8315.33	331.18																											
N3 - RT Step out	1+04.00	4+35.18		331.18																											
N3 - LT Step out	1+04.00	4+35.18		331.18																											
Mainline I-75	488+90.56	514+91.59	317697.12	2601.03	7315.3969	5202.0600	17.6498	35299.6800	913.38	35299.6800				7844.3733	5883.2800	5824.4472		1715.9567	1436.9524												
I75 - LT Step out	488+90.56	498+08.84		918.28			0.1445	289.0881	7.49	289.0881				9.4473	22.6736	4.6764		0.0000													
I75 - LT Step out	511+55.68	514+91.59		335.91			0.0311	62.2056	1.61	62.2056				13.8235	10.3676	10.2639		3.0239													
I75 - RT Step out	488+90.56	497+15.16		824.6			0.1298	259.5963	6.72	259.5963				8.4835	20.3605	4.1994		0.0000													
I75 - RT Step out	497+15.16	504+25.00		709.84			0.0657	131.4519	3.41	131.4519				29.2115	21.9086	21.6896		6.3900													
I75 - RT Step out	504+25.00	511+00.00		675			0.1012	202.3438	5.24	202.3438					33.7240																
I75 - RT Step out	511+00.00	514+91.59		391.59			0.0363	72.5167	1.88	72.5167				16.1148	12.0861	11.9652		3.5251													
Ramp N-1	1+30.14	3+69.25	6044.23	239.11			0.3358	671.5811	17.38	671.5811																					
N1 - LT Step out	1+30.14	3+69.25		239.11			0.0199	39.8517	1.04	39.8517																					
N1 - RT Step out	1+30.14	3+69.25		239.11			0.0266	53.1356	1.38	53.1356																					
Ramp N-4	62+49.58	78+55.25	52702.39	1605.67			2.9279	5855.8211	151.52	5855.8211																					
N4 - LT Step out	63+60.33	72+50.19		889.86			0.0824	164.7889	4.27	164.7889																					
N4 - LT Step out	72+54.16	74+45.04		190.88			0.0212	42.4178	1.10	42.4178																					
N4 - LT Step out	74+45.04	77+02.16		257.12			0.0286	57.1378	1.48	57.1378																					
N4 - LT Step out	77+02.16	78+55.25		153.09			0.0142	28.3500	0.74	28.3500																					
N4 - RT Step out	62+49.58	65+41.60		292.02			0.0324	64.8933	1.68	64.8933																					
N4 - RT Step out	65+41.60	78+55.25		1313.65			0.1969	393.7909	10.19	393.7909																					
Mainline I-75	516+47.64	558+07.79	487546.75	4160.15	11700.4219	8320.3000	27.0859	54171.8611	1401.70	54171.8611				12038.1914	9028.6435	8938.3571		2633.3544	2202.9923												
I75 - LT Step out	516+47.64	533+08.00		1660.36			0.4612	922.4222	23.87	922.4222																					
I75 - LT Step out	533+08.00	539+85.00		677			0.1066	213.1296	5.52	213.1296																					
I75 - LT Step out	539+85.00	541+74.00		189			0.0525	105.0000	2.72	105.0000																					
I75 - LT Step out	541+74.00	558+07.79		1633.79			0.2572	514.3413	13.31	514.3413																					
I75 - RT Step out	516+47.64	523+43.29		695.65			0.0644	128.8241	3.34	128.8241																					
I75 - RT Step out	523+43.29	529+55.00		611.71			0.1699	339.8389	8.80	339.8389																					
I75 - RT Step out	529+55.00	539+90.76		1035.76			0.1630	326.0726	8.44	326.0726																					
I75 - RT Step out	539+90.76	540+64.76		74			0.0206	41.1111	1.07	41.1111																					
I75 - RT Step out	540+64.76	551+93.94		1129.18			0.1777	355.4826	9.20	355.4826																					
I75 - RT Step out	551+93.94	552+42.84		48.9			0.0136	27.1667	0.71	27.1667																					
I75 - RT Step out	552+42.84	558+07.79		564.95			0.0889	177.8546	4.61	177.8546																					
Mainline I-75 RT	558+07.79	595+50.00	214863.36	3742.21																											
Mainline I-75 LT	558+07.79	606+00.00	264771.31	4792.21																											
Mainline I-75	440+01.00	444+57.67	25653.69	456.67	642.1922																										
Mainline I-75	447+11.73	455+49.17	42136.03	837.44	1177.6500																										
01/IMS/PV SUBTOTAL					41138.0		92.0	182548.0	4723.81	182548.0	1	58545.0	36544.0	29764.0	135.0	27193.0	4977.0	8046.0	9109.0	11187.0	7330.0										
GRAND TOTAL					52129.0		92.0	182548.0	4723.81	182548.0	1	125561.0	37291.0	29764.0	135.0	27193.0	10674.0	8046.0	11902.0	11187.0	7330.0										

PID 107376
MOT-75-14.74 PAVEMENT CALCULATION

Calculated By: TES Date: 12/14/2021
Check By: JAE Date: 12/14/2021

ASPHALT BASE STEP OUT WIDTH(FT)		
CONC. BASE	AGG. BASE	SUBGRADE
0.8333	1.3333	2.8333

TYPE D BARRIER - STEP OUT WIDTH(FT)						
ASPH. CONC. INT.		CONC. BASE	AGG. BASE			SUBGRADE
2.1667		3.0000	3.5000			5.0000

TYPE D BARRIER with NOISE WALL (NO STEP OUT) - STEP OUT WIDTH(FT)				
ASPH. CONC. INT.		CONC. BASE	AGG. BASE	SUBGRADE
1.6667		1.6667	1.6667	1.6667

CONC. PAVEMENT TYPE C BARRIER (WITH NO STEP OUT) STEP OUT WIDTH(FT)		
AGG. BASE	SUBGRADE	CONC. PVT
2.6979	2.6979	2.6979

TYPE C BARRIER with NOISE WALL (NO STEP OUT) - STEP OUT WIDTH(FT)				
ASPH. CONC. INT.		CONC. BASE	AGG. BASE	SUBGRADE
-		-	2.6979	2.6979

CONC. PAVEMENT BASE STEP OUT WIDTH(FT)	
AGG. BASE	SUBGRADE
0.5000	2.0000

CONC. PAVEMENT with CURB BASE STEP OUT WIDTH(FT)	
AGG. BASE	SUBGRADE
1.5000	1.5000

CONC. PAVEMENT TYPE D BARRIER STEP OUT WIDTH(FT)			
AGG. BASE		SUBGRADE	CONC. PVT
2.1667		3.6667	1.6667

CONC. PAVEMENT TYPE D BARRIER with NOISE WALL (NO STEP OUT) STEP OUT WIDTH(FT)			
AGG. BASE		SUBGRADE	CONC. PVT
1.6667		1.6667	1.6667

PAVEMENT RESTORATION FOR STORM PIPES CARRIED TO GENERAL NOTE						
STA.	PIPE SIZE (IN FEET)	LENGTH (pipe length being replaced)	TRENCH WIDTH (1.5SPAN) + 2 FEET EACH SIDE OF TRENCH	302 ASPHALT CONCRETE BASE, PG64 22 (9 3/4")	202	PAVEMENT REMOVED, AS PER PLAN
		4	1.5	0.8125		
			4	CY		SY
557+87.50						
	1	4	5.5	17.88		2.44
	1.5	4	6.25	20.31		2.78
	2	4	7	22.75		3.11
557+87.50						
	1.5	4	6.25	20.31		2.78
	1.5	4	6.25	20.31		2.78
Total (carried to general note)				102		14

PAVEMENT RESTORATION AT BARRIER REMOVAL						
STA.	STA.	AREA (2' EACH SIDE OF BARRIER)		302 ASPHALT CONCRETE BASE, PG64 22 (4')		
		4		0.3333		
				CY		
573+04.00	573+52.00	192		63.99		
581+89.07	587+01.00	2047.72		682.51		
SUBTOTAL (carried to grand total)				747		

MOT-75-14.74 - PAVEMENT CORES

PID 107376

Coring and Subgrade Exploration Report
MOT-75-14.74
Montgomery County, Ohio
PID: 107376

Table 3: Pavement Core Summary

Core ID	Alignment	Asphalt Thickness (in)	Concrete Thickness (in)	Total Thickness (in)	Core ID	Alignment	Asphalt Thickness (in)	Concrete Thickness (in)	Total Thickness (in)
B-001-0-14	IR-75	9.25	0.25	9.5	DC-5	IR-75	0	11.5	11.5
B-002-0-14	IR-75	10.75	0	10.75	DC-6	IR-75	0	10	10
B-004-0-14	IR-75	10	0	10	DC-7	IR-75	0	11.5	11.5
B-005-0-14	IR-75	8	0	8	DC-8	IR-75	0	11	11
B-012-0-14	IR-75	9.25	0	9.25	B-001-0-20	IR-75	13	0	13
B-013-0-14	IR-75	9.5	0	9.5	B-002-0-20	IR-75	6.5	9	15.5
B-014-0-14	IR-75	8	0	8	B-003-0-20	IR-75	15	0	15
B-015-0-14	IR-75	10.25	0	10.25	B-004-0-20	IR-75	14.5	0	14.5
C-1	IR-75	12.5	0	12.5	B-007-0-20	IR-75	14.5	0	14.5
C-2	IR-75	6	15	21	B-008-0-20	IR-75	10	0	10
C-3	IR-75	14.25	0	14.25	B-009-0-20	IR-75	19	0	19
C-4	IR-75	14.25	0	14.25	B-010-0-20	IR-75	6	8	14
C-5	IR-75	6.5	0	6.5	B-012-0-20	IR-75	4.5	8	12.5
C-6	IR-75	3.5	13	16.5	B-013-0-20	IR-75	11	0	11
C-7	IR-75	13	0	13	B-014-0-20	IR-75	7	10.5	17.5
C-8	IR-75	12	0	12	B-015-0-20	IR-75	3.5	8.5	12
C-9	IR-75	11.75	0	11.75	B-016-0-20	IR-75	9	4	13
C-10	IR-75	2.75	8.5	11.25	B-017-0-20	IR-75	8	8	16
C-11	IR-75	12	0	12	B-018-0-20	IR-75	12	0	12
C-12	IR-75	11.25	0	11.25	B-019-0-20	IR-75	13	0	13
C-13	IR-75	15.75	0	15.75	B-020-0-20	IR-75	13	0	13
C-14	IR-75	15.5	0	15.5	B-021-0-20	IR-75	9.5	0	9.5
C-15	IR-75	13.5	0	13.5	B-022-0-20	IR-75	10.5	0	10.5
C-16	IR-75	17	8.5	25.5	B-024-0-20	IR-75	9	0	9
C-17	IR-75	15.75	0	15.75	B-025-0-20	IR-75	11	0	11
C-18	IR-75	15.75	0	15.75	B-026-0-20	IR-75	4.5	9	13.5
C-19	IR-75	8	16	24	B-027-0-20	IR-75	6	10	16
C-20	IR-75	18	0	18	B-028-0-20	IR-75	16	0	16
C-21	IR-75	3	12.75	15.75	B-029-0-20	IR-75	10.5	0	10.5
C-22	IR-75	10.5	0	10.5	B-030-0-20	IR-75	17.5	0	17.5
C-23	IR-75	3	15.5	18.5	B-031-0-20	IR-75	12.5	0	12.5
C-24	IR-75	9.5	0	9.5	B-032-0-20	IR-75	14.5	0	14.5
C-25	IR-75	15	0	15	B-033-0-20	IR-75	19.5	0	19.5
C-26	IR-75	7.5	8	15.5	B-034-0-20	IR-75	14.5	0	14.5
C-27	IR-75	18	0	18	B-035-0-20	IR-75	9.5	0	9.5
C-28	IR-75	18	0	18	B-036-0-20	IR-75	15	0	15
C-29	IR-75	5	13	18	B-037-0-20	IR-75	9.5	0	9.5
C-30	IR-75	11.25	0	11.25	B-038-0-20	IR-75	12	0	12
C-31	IR-75	2.25	12.75	15	B-039-0-20	IR-75	13	0	13
C-32	IR-75	11.5	0	11.5	B-040-0-20	IR-75	6	10	16
C-33	IR-75	16.5	0	16.5	B-041-0-20	IR-75	4	10	14
C-34	IR-75	7.5	8	15.5	B-042-0-20	IR-75	12.5	0	12.5
C-35	IR-75	15.25	0	15.25	B-043-0-20	IR-75	12	0	12
C-36	IR-75	16	0	16	B-044-0-20	IR-75	13	0	13
DC-1	IR-75	0	11.75	11.75	B-045-0-20	IR-75	14	0	14
DC-2	IR-75	0	11.75	11.75	B-046-0-20	IR-75	12	0	12
DC-3	IR-75	0	10.75	10.75	B-047-0-20	IR-75	11.5	0	11.5
DC-4	IR-75	0	10	10	B-048-0-20	IR-75	5.5	0	5.5
B-049-0-20	IR-75	12	0	12	X-001-0-20	IR-75	4	0	4
B-050-0-20	IR-75	5	10	15	X-002-0-20	IR-75	3	13.5	16.5
B-051-0-20	IR-75	13.5	0	13.5	X-003-0-20	IR-75	6.5	0	6.5
B-052-0-20	IR-75	4	0	4	X-004-0-20	IR-75	5	9.5	14.5
B-053-0-20	IR-75	5.5	0	5.5					

Average Project Pavement Thickness

13.0881 inches
1.090675 decimal of foot

Average Historical Pavement Thickness

11.62676 inches
0.968897 decimal of foot

Combined Average Thickness Pavement

12.35743 inches
1.029786 decimal of foot

Proposed Thickness

1	1.5
2	1.75
3	8
4	6
Total	17.25 Inches
	1.4375 decimal of foot

Note:

Average of borings greater than proposed pavement = 2"
 $(2/12) * 100 * 60 = 1000/27 = 37 * 2 = 74$ CU YD
Round to 100 CU YD
Assume 2 locations $100 * 2 = 200$ CU YD

MOT-75-14.74 - PAVEMENT CORES

PID 107376

Coring and Subgrade Exploration Report
 MOT-75-14.74
 Montgomery County, Ohio
 PID: 107376

Table 4: Measured Pavement Thickness at Boring Locations

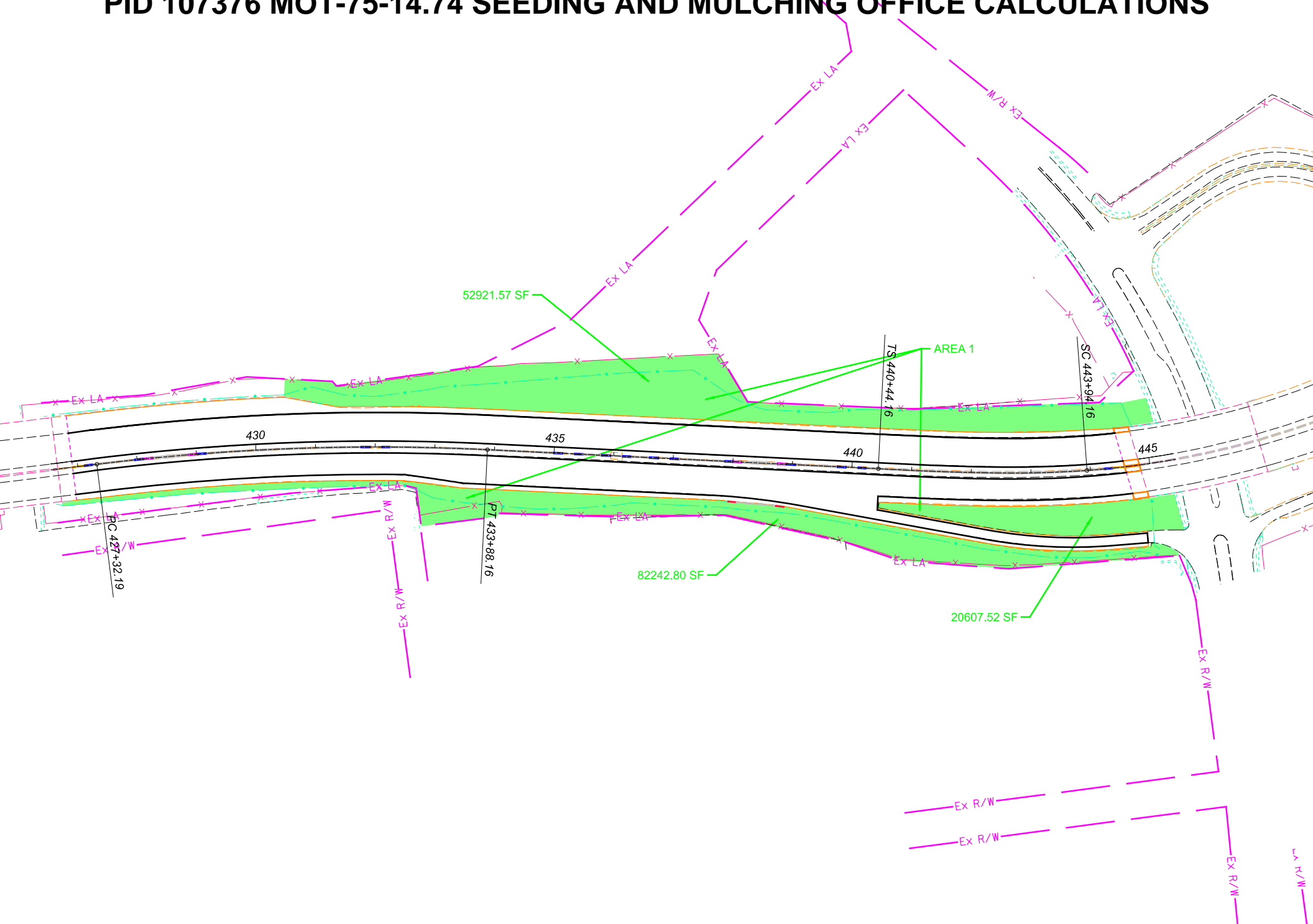
Boring ID	Proposed Alignment	Asphalt thickness (in)	Concrete thickness (in)	Base thickness (in)	Total thickness (in)	Boring ID	Proposed Alignment	Asphalt thickness (in)	Concrete thickness (in)	Base thickness (in)	Total thickness (in)
B-001-0-14	IR-75	9.5	-	8.5	9.5	B-015-0-20	IR-75	5	7	-	12
B-002-0-14	IR-75	10.8	-	-	10.8	B-016-0-20	IR-75 / N1	10	4	-	14
B-004-0-14	IR-75	10	-	8	10	B-017-0-20	IR-75	8	8	-	16
B-005-0-14	IR-75	8	-	-	8	B-018-0-20	IR-75	12	-	-	12
B-006-0-14	IR-75	9	-	3	9	B-019-0-20	Wagner Ford Ramp	11	-	3	11
B-007-0-14	IR-75	8	-	4	8	B-020-0-20	IR-75	13	-	-	13
B-008-0-14	IR-75 / Ramp N-3	9	-	8	9	B-021-0-20	Wagner Ford Ramp	11	-	3	11
B-009-0-14	IR-75 / Ramp N-3	8	-	4	8	B-022-0-20	IR-75	13	-	5	13
B-010-0-14	IR-75 / Ramp N-3	8	-	4	8	B-023-0-20	Wagner Ford Ramp	12	-	7	12
B-011-0-14	IR-75 / Ramp N-3	5	2	-	7	B-024-0-20	IR-75	9	-	-	9
B-011-1-14	IR-75	11	-	5	11	B-025-0-20	Wagner Ford Ramp	9	-	9	9
B-011-2-14	IR-75	10	-	8	10	B-026-0-20	IR-75	4	10	6	14
B-011-3-14	IR-75	13	-	5	13	B-027-0-20	IR-75	6	10	-	16
B-012-0-14	IR-75	9.3	-	-	9.3	B-028-0-20	IR-75	16	-	-	16
B-013-0-14	IR-75	9.5	-	7.5	9.5	B-029-0-20	IR-75	10	-	-	10
B-014-0-14	IR-75	8	-	-	8	B-030-0-20	IR-75	14	-	6	14
B-015-0-14	IR-75	10.3	-	7.5	10.3	B-031-0-20	IR-75	12	-	-	12
B-015-1-14	IR-75	9	-	4	9	B-032-0-20	IR-75	14	-	5	14
B-001-0-20	IR-75	12.5	-	-	12.5	B-033-0-20	IR-75	11	-	-	11
B-002-0-20	IR-75	6.5	9.5	-	16	B-034-0-20	IR-75	16	-	8	16
B-003-0-20	IR-75	14	-	-	14	B-035-0-20	IR-75	11	-	-	11
B-004-0-20	IR-75 / Ramp N-8	14	-	-	14	B-036-0-20	IR-75	10	-	-	10
B-005-0-20	IR-75	12	-	-	12	B-037-0-20	IR-75	11	-	-	11
B-006-0-20	IR-75 / Ramp N-6A	5	8	-	13	B-038-0-20	IR-75	11	-	-	11
B-007-0-20	IR-75 / Ramp N-7	14	-	-	14	B-039-0-20	IR-75	11	-	-	11
B-008-0-20	IR-75 / Ramp N-6	11	-	-	11	B-040-0-20	Ramp N-8	6	10	-	16
B-009-0-20	IR-75	18.8	-	-	18.8	B-041-0-20	Ramp N-8	4	9.8	-	13.8
B-010-0-20	IR-75	6.5	7.5	-	14	B-042-0-20	Ramp N-7	13	-	-	13
B-011-0-20	IR-75	15	-	-	15	B-043-0-20	Ramp N-6A	12	-	-	12
B-012-0-20	IR-75	4	8	-	12	B-044-0-20	Ramp N-6A	12	-	-	12
B-013-0-20	IR-75	10	-	-	10	B-045-0-20	Ramp N-6	12	-	-	12
B-014-0-20	IR-75	8	10	-	18	B-046-0-20	Ramp N-6	11	-	-	11
B-047-0-20	Ramp N-2	11	-	-	11	B-051-0-20	Wagner Ford Ramp	11	-	5	11
B-048-0-20	Ramp N-2	12	-	-	12	B-052-0-20	Keats Drive	1	-	16	1
B-049-0-20	Ramp N-3	11	-	-	11	B-053-0-20	Keats Drive	4	8	5	4
B-050-0-20	Ramp N-1	5	10	-	15						

Average Historical Pavement Thickness
 11.62676 inches
 0.968897 decimal of foot

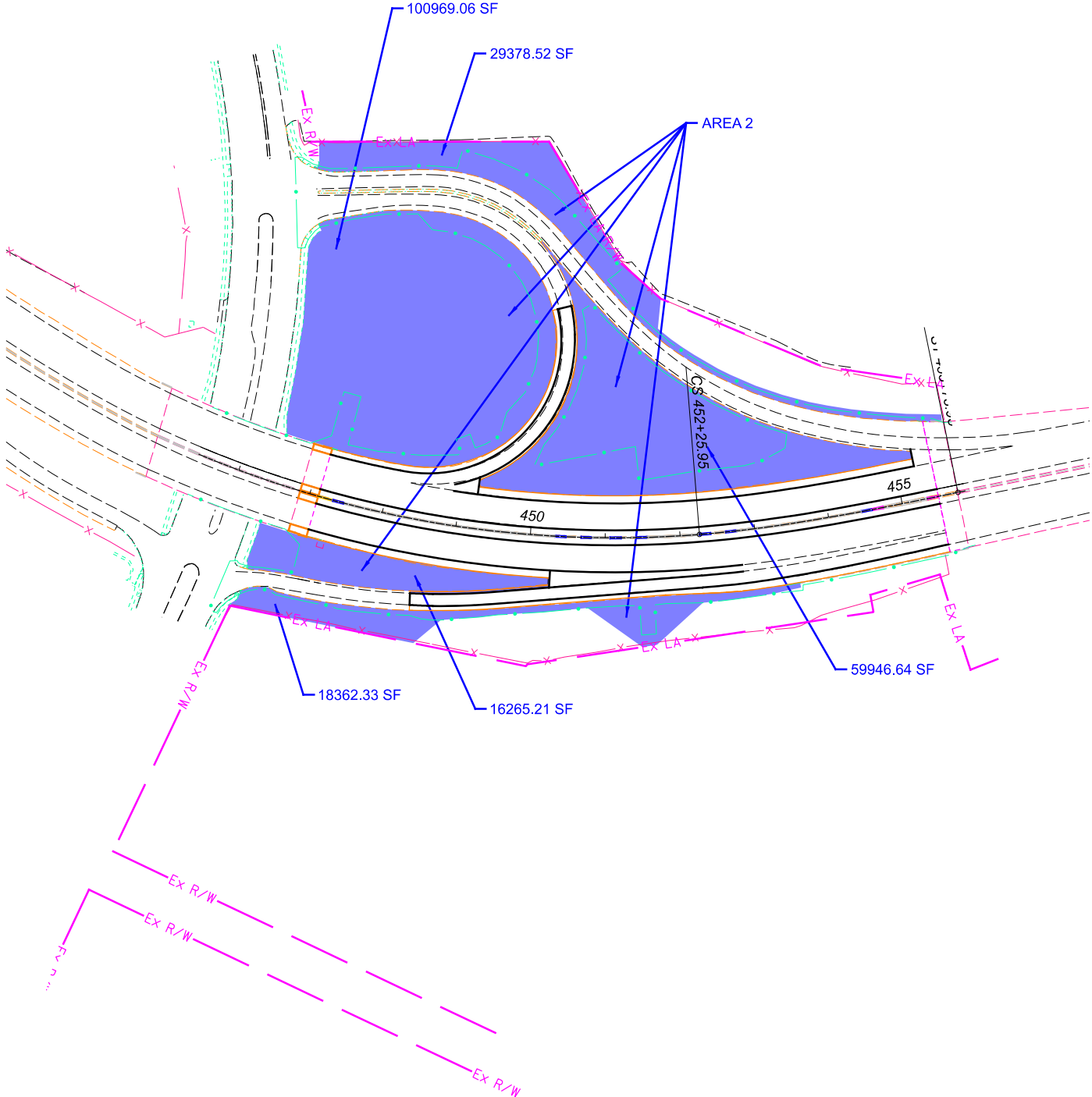
PID 107376 MOT-75-14.74 SEEDING AND MULCHING OFFICE CALCULATIONS

SEEDING AND MULCHING QUANTITIES						TOTAL (SF)	TOTAL (SY)	TOTAL (SY) ROUNDED
Area 1 (SF)	52921.57	82242.80	20607.52	-	-	155771.89	17307.99	17400.00
Area 2 (SF)	100969.06	16265.21	18362.33	59946.64	29378.52	224921.76	24991.31	25000.00
Area 3 (SF)	25504.13	25348.46	-	-	-	50852.59	5650.29	5700.00
Area 4 (SF)	67358.55	58389.18	13144.75	12595.04	-	151487.52	16831.95	16900.00
Area 5 (SF)	60842.86	10068.85	43820.68	22815.35	-	137547.74	15283.08	15300.00
Area 6 (SF)	96298.22	70222.97	9817.72	139.20	-	176478.11	19608.68	19700.00
TOTAL SEEDING AND MULCHING AREA (SF)						897059.61	-	-
TOTAL SEEDING AND MULCHING AREA (SY)						-	99673.29	-
TOTAL SEEDING AND MULCHING AREA USED (SY)						-	-	100000

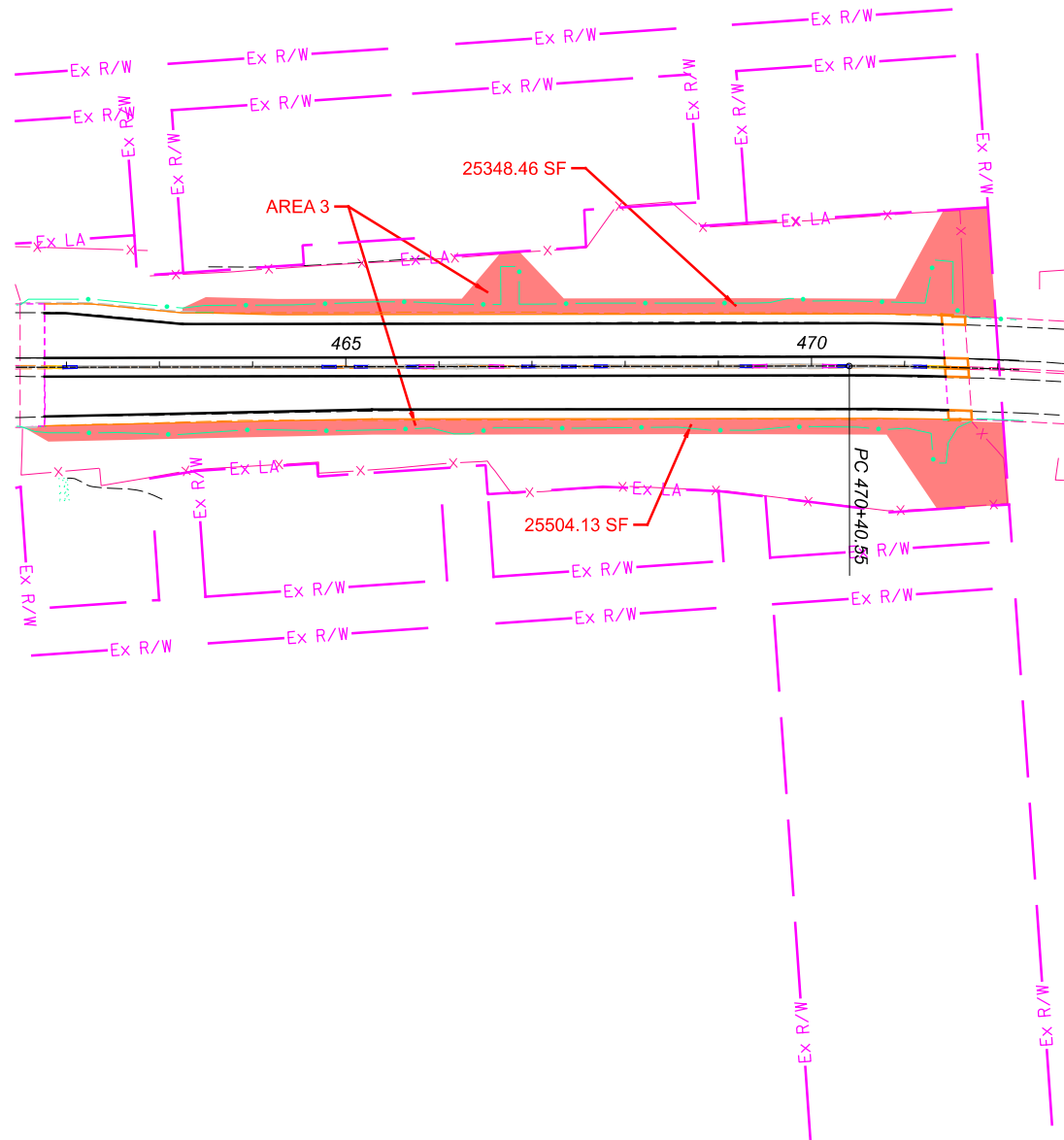
PID 107376 MOT-75-14.74 SEEDING AND MULCHING OFFICE CALCULATIONS



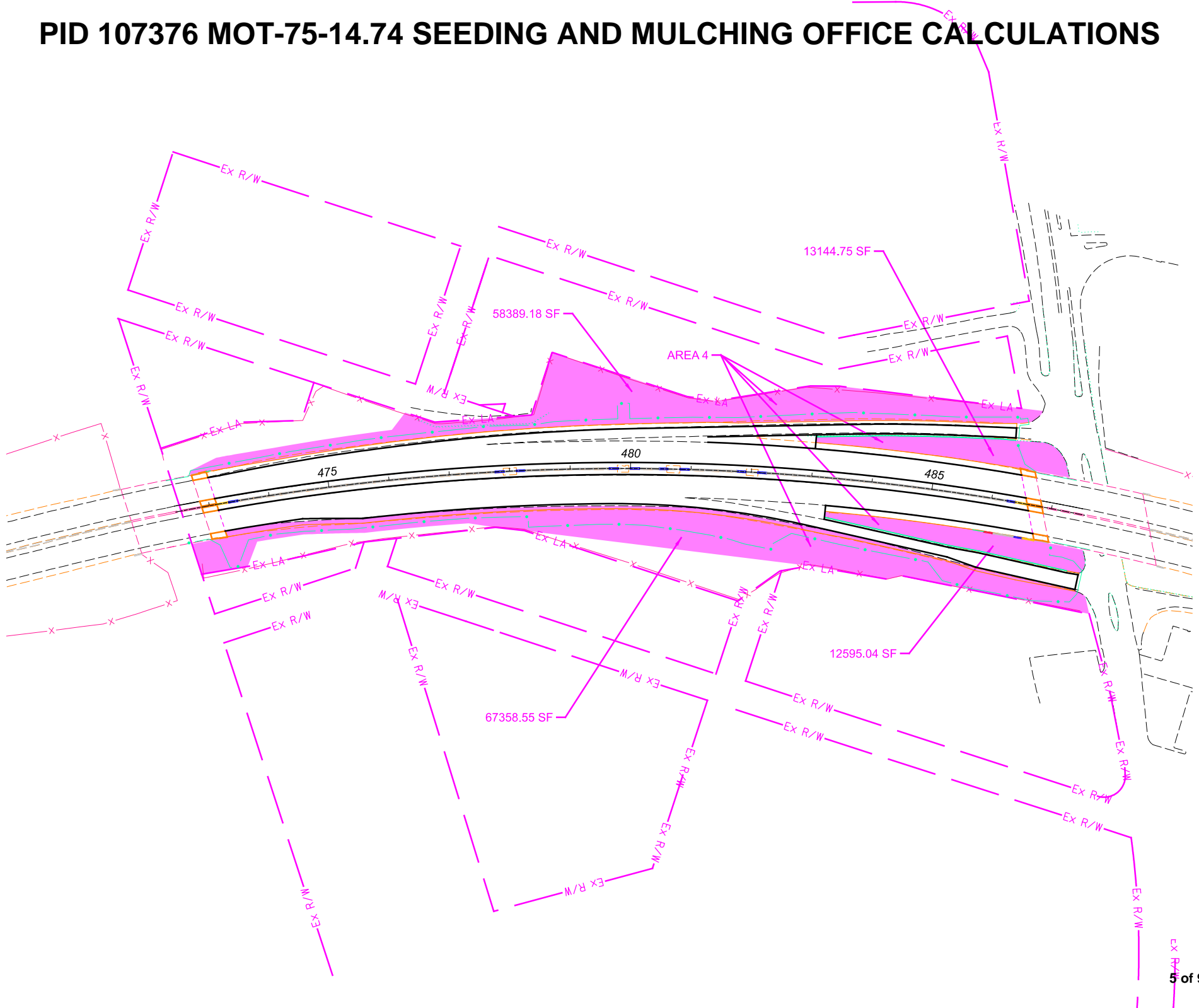
PID 107376 MOT-75-14.74 SEEDING AND MULCHING OFFICE CALCULATIONS



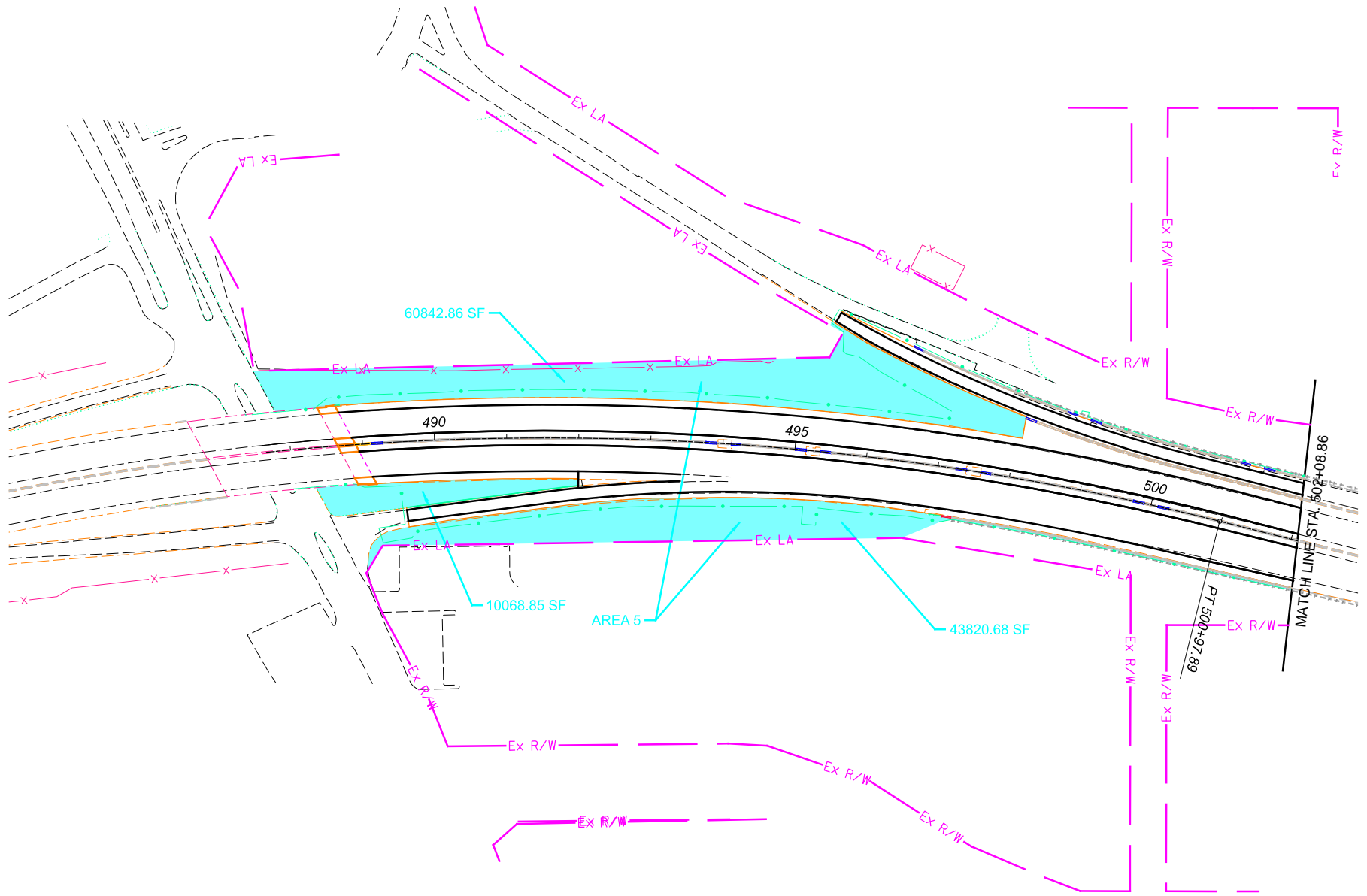
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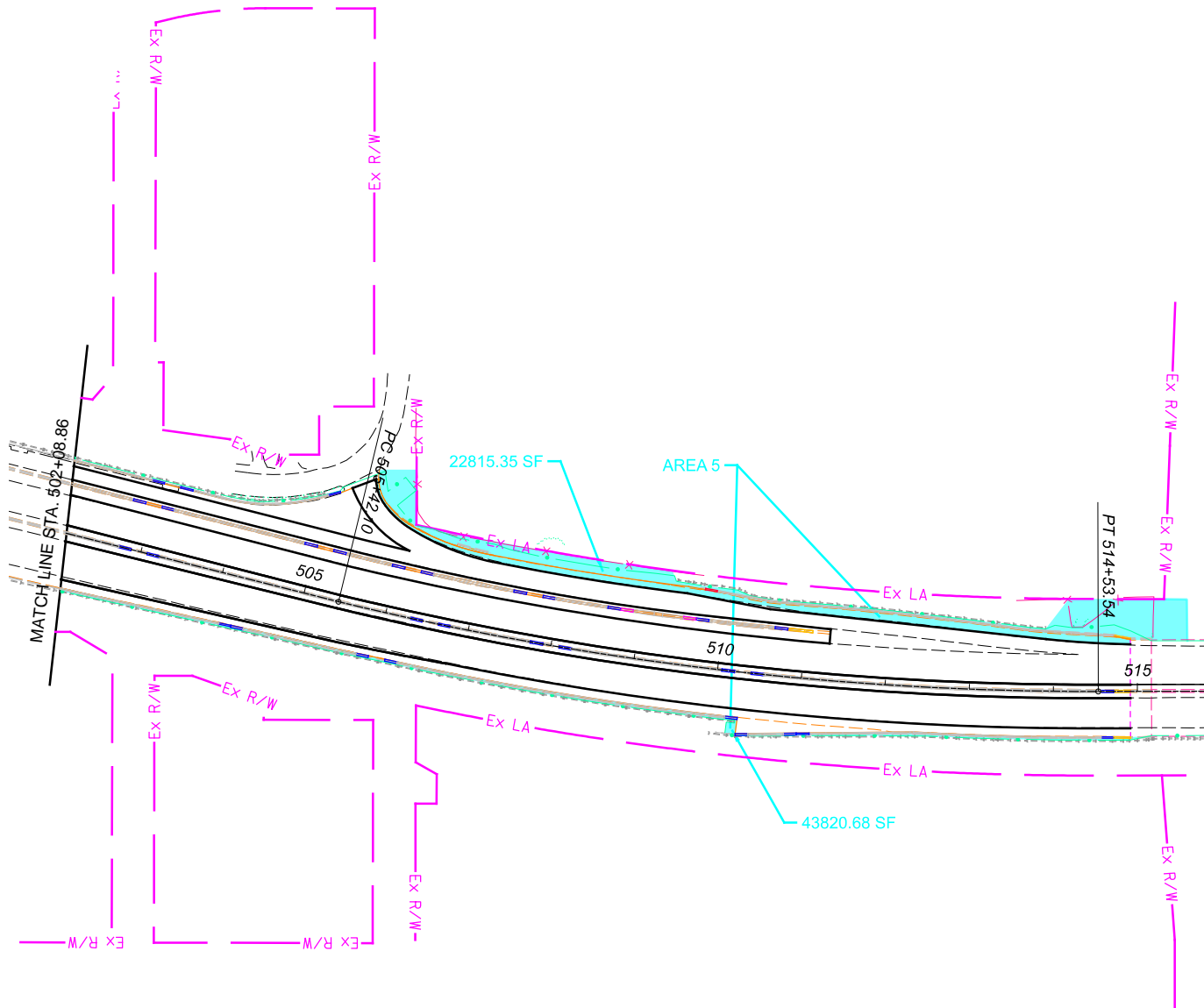
PID 107376 MOT-75-14.74 SEEDING AND MULCHING OFFICE CALCULATIONS



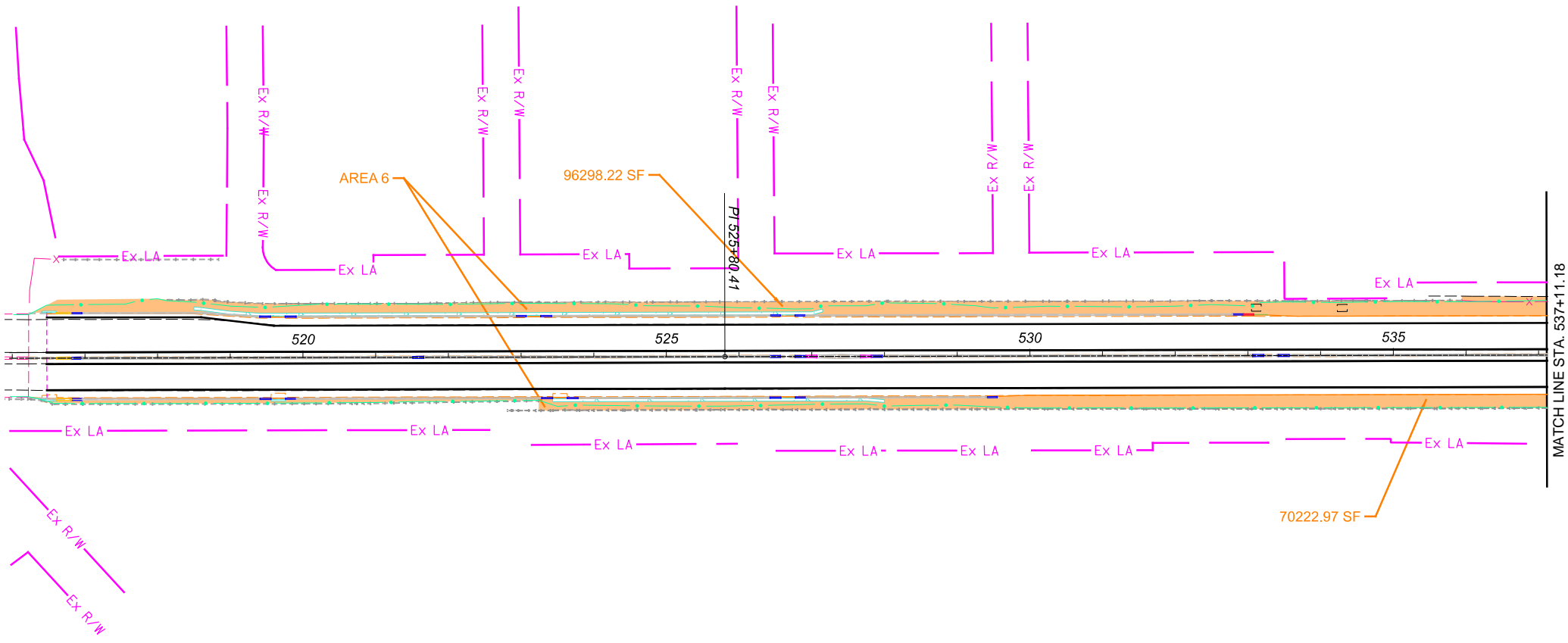
PID 107376 MOT-75-14.74 SEEDING AND MULCHING OFFICE CALCULATIONS



PID 107376 MOT-75-14.74 SEEDING AND MULCHING OFFICE CALCULATIONS



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