

# A d d e n d u m

Iowa Department of Transportation  
Office of Contracts

Date of Letting: June 20, 2017  
Date of Addendum: June 13, 2017

<b>B.O.</b>	<b>Proposal ID</b>	<b>Proposal Work Type</b>	<b>County</b>	<b>Project Number</b>	<b>Addendum</b>
103	76-C076-068	PCC OVERLAY - UNBONDED	POCAHONTAS	STP-S-C 076(68)--5E-76 20	JUN103A04

Make the following changes to the PROPOSAL SCHEDULE OF PRICES:

Change Proposal Line No. 0020 2102-2625001 EMBANKMENT-IN-PLACE, CONTRACTOR FURNISHED:

From : 161,090.200 CY  
To: 65,007.000 CY

Add Proposal Line No. 0035 2102-2710070 EXCAVATION, CLASS 10, ROADWAY AND BORROW 65,553.000 CY

Change Proposal Line No. 0260 2417-1040018 CULVERT, CORRUGATED METAL ENTRANCE PIPE, 18 IN. DIA

From: 2,028.000  
To: 1,866.000

If the above changes are not made, they will be made as shown here.

Replace plan sheets, C.1, C.10, T.01, T.02, T.03, T.04, T.05, T.06, T.07 and T.08 with the attached.

**PROJECT DESCRIPTION**

Unbonded P.C.C. Overlay of County Route N-65 (290th Avenue) from County Route C-49 (570th Street) north 5 miles to State Highway 3. Existing 10% foot lanes will be widened to 12 foot with an integral 1 foot paved shoulder. The shoulders will be widened to another 5 feet beyond the edge of pavement to provide a total of 6 feet of shoulder. Slopes will be flattened 4:1 typically. The extra width will require extension of roadway cross culverts and reconstruction of entrances. Trees in the RoW have been cut, but their stumps will have to be removed. The guardrail on the bridge in the north mile will be replaced with the current standard.

Prior to paving, several locations where the existing pavement has failed will be repaired with full depth patches. There will also be surface patch repairs to the existing H.M.A. overlay which will be used as the bond breaker.

The beginning of the project is located where the width of the existing mainline pavement plus C-49 intersection fillets is approximately 26 feet wide. There will be no intersection pavement at the south end. The end of project is at the south edge of mainline of Highway 3. The intersection at the north end will be reconstructed with a no-curb island. A portion of the Highway 3 right turn lane will be reconstructed.

Silt fence for erosion control will be part of this project. As will striping, salvaging and spreading of topsoil and seeding.

100-1D  
10-18-05

**ESTIMATED ROADWAY QUANTITIES  
(1 DIVISION PROJECT)**

100-0A  
10-28-97

Item No.	Item Code	Item	Unit	Total	As Built Qty.
1	2101-0850002	Clearing and Grubbing	UNIT	715.8	
2	2102-2625001	Embankment-In-Place, Contractor Furnished	CY	65006.50	
3	2102-2710070	Excavation, Class 10, Roadway and Borrow	CY	63552.71	
4	2102-2712015	Excavation, Class 12, Boulders or Rock Fragments	CY	10	
5	2105-8425015	Topsoil, Strip, Salvage and Spread	CY	84371.79	
6	2113-0001100	Subgrade Stabilization Material, Polymer Grid	SY	3444	
7	2115-0100000	Modified Subbase	CY	574	
8	2121-7425020	Granular Shoulders, Type B	TON	6974.508	
9	2123-7450020	Shoulder Finishing, Earth	STA	511.484	
10	2212-0475095	Cleaning and Preparation of Base	MILE	4.844	
11	2212-5070310	Patches, Full-Depth Repair	SY	416.944	
12	2212-5070330	Patches by Count (Repair)	EACH	45	
13	2212-5075001	Hot Mix Asphalt Surface Patches	TON	5	
14	2213-2713300	Excavation, Class 13, for Widening	CY	1657.208	
15	2301-0690220	Bridge Approach, Secondary Roads	SY	115.556	
16	2301-1003090	Standard or Slip-Form Portland Cement Concrete Pavement, QM-C, Class 3 Durability, 9 in.	SY	2925.456	
17	2301-9091000	Rumble Strip Panel (PCC Surface)	EACH	3	
18	2310-5151600	Portland Cement Concrete Overlay, QM-C, Furnish Only	CY	13497.489	
19	2310-5151620	Portland Cement Concrete Overlay, QM-C, Placement Only (Unbonded)	SY	73880.993	
20	2315-8275025	Surfacing, Driveway, Class A Crushed Stone	TON	1073.982	
21	2316-0000110	Payment Adjustment Incentive/Disincentive for PCC Pavement Smoothness (by Schedule)	EACH	55410.745	
22	2402-2720100	Excavation, Class 20, for Roadway Pipe Culvert	CY	4460.953	
23	2416-0100024	Aprons, Concrete, 24 in. Dia.	EACH	16	
24	2416-0100030	Aprons, Concrete, 30 in. Dia.	EACH	4	
25	2416-1180024	Culvert, Concrete Roadway Pipe, 24 in. Dia.	LF	138	
26	2416-1180030	Culvert, Concrete Roadway Pipe, 30 in. Dia.	LF	32	
27	2417-1040018	Culvert, Corrugated Metal Entrance Pipe, 18 in. Dia.	LF	1866	
28	2505-4008120	Removal of Steel Beam Guardrail	LF	260	
29	2505-4008410	Steel Beam Guardrail Barrier Transition Section, BA-201	LF	187.5	
30	2505-4008400	Steel Beam Guardrail Barrier Transition Section	EACH	4	
31	2505-4021010	Steel Beam Guardrail End Anchor, Bolted	EACH	4	
32	2505-4021721	Steel Beam Guardrail Flared End Terminal, BA-206	EACH	4	
33	2510-6745850	Removal of Pavement	SY	3066.939	
34	2518-6910000	Safety Closure	EACH	11	
35	2527-9263109	Painted Pavement Marking, Waterborne or Solvent-Based	STA	1068.085	
36	2528-8445110	Traffic Control	LS	per Proposal	
37	2528-8445113	Flaggers	EACH	10	
38	2528-8445115	Pilot Cars	EACH	4	
39	2533-4980005	Mobilization	LS	1	
40	2599-9999009	Culvert, Corrugated Metal Entrance Pipe, Annular Fabrication, 18 in. Dia.	LF	900	
41	2599-9999018	Non-Woven Geotextile	#REF!	858.632	
42	2601-2634100	Mulching	ACRE	52.297	
43	2601-2636043	Seeding and Fertilizing (Rural)	ACRE	52.297	
44	2601-2642100	Stabilizing Crop - Seeding and Fertilizing	ACRE	52.297	
45	2602-0000020	Silt Fence	LF	854.013	
46	2602-0000030	Silt Fence for Ditch Checks	LF	13178.102	
47	2602-0000101	Maintenance of Silt Fence or Silt Fence for Ditch Check	LF	946.861	
48	2602-0010010	Mobilizations, Erosion Control	EACH	1	

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111-25  
10-18-11

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**STANDARD ROAD PLANS**

105-4  
10-18-11

The following Standard Road Plans apply to construction work on this project.

Number	Date	Title
BA-200	10-18-16	Steel Beam Guardrail Components
BA-201	04-18-17	Steel Beam Guardrail Barrier Transition Section (MASH TL-3)
BA-202	10-20-15	Steel Beam Guardrail Bolted End Anchor
BA-206	10-18-16	Steel Beam Guardrail Flared End Terminal For Cable Connection (MASH TL-3)
BA-250	10-18-16	Steel Beam Guardrail Installation at Concrete Barrier or Bridge End Post (MASH TL-3)
BR-121	04-21-15	Bridge Approach Details (Secondary Roads)
DR-101	04-18-17	Pipe Culvert (Bedding and Backfill)
DR-102	04-21-15	Pipe Culvert (Cover and Camber)
DR-103	04-21-15	Pipe Culvert (Installation Details)
DR-104	04-19-16	Depth of Cover Tables for Concrete and Corrugated Pipe
DR-121	04-18-17	Connected Pipe Joints
DR-201	04-21-15	Concrete Aprons
DR-621	04-18-17	Pipe Extension
EC-201	10-18-16	Silt Fence
EC-204	04-18-17	Perimeter and Slope Sediment Control Devices
EW-101	04-18-17	Embankment and Rebuilding Embankments
EW-301	10-20-15	Guardrail Grading
EW-501	10-20-15	Rural Entrance
PM-110	04-16-13	Line Types
PM-120	10-21-14	Stop Lines and Islands
PM-520	04-19-11	Two-Lane Roadway with no Turn Lanes (Two-Way Stop Condition)
PM-521	04-19-11	Two-Lane Roadway with Right Turn Lanes
PR-102	04-21-15	Full Depth PCC Patch without Dowels
PV-10	04-19-11	Rumble Strip Panel for Intersection Approach
PV-101	04-19-16	Joints
TC-1	04-16-13	Work Not Affecting Traffic (Two-Lane or Multi-Lane)
TC-213	04-17-12	Lane Closure with Flaggers
TC-214	04-16-13	Lane Closure with Flaggers for use with Pilot Car
TC-233	04-18-17	Pavement Marking Operations Two-Lane
TC-252	04-19-16	Routes Closed to Traffic

Tabulations STP-S-C076(68)--5E-76



### TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted yd³	Class 10 Cut Unadjusted yd³	Topsoil Strip yd³	Class 13 Cut for Pavement Widening yd³	Extra Cut for Subbase yd³	Total Adjusted Class 10 Cut yd³	Total Fill Unadjusted yd³	Class 10 fill Unadjusted yd³	Topsoil Spread yd³	Pavement Removal Overdepth yd³	Entrance Fill Adjustments yd³	Pavement, Modified Subbase, and Granular Shoulder Volume yd³	Make up Topsoil Shortfall (Short/TS Shrink Fac.) yd³	Total Class 10 Fill yd³	Total Class 10 with Weighted Ave. 1.3 Shrink Factor yd³	Contractor Prov. Borrow (Cl. 10 Fill w/ Shrink less Adj. Cl. 10 Cut & Cl. 13)	Topsoil Spread with 1.4 Shrink Factor yd³	Topsoil Shortfall Spread w/ Shrink minus Strip yd³	Topsoil Spread Thickness inches			
369+55.00	156	0	156	0.00	67	67	134	0	134	0	0	-57	22	-35	-46	-113	187	31	10			
370+00.00	174	0	174	0.00	0	0	149	0	149	0	0	-63	24	-39	-51	-51	208	34	10			
370+50.00	174	0	174	0.00	0	0	149	0	149	0	0	-63	24	-39	-51	-51	208	34	10			
371+00.00	238	64	174	0.00	0	64	265	116	149	0	0	-63	24	78	101	37	208	34	10			
371+50.00	301	127	174	3.24	0	127	369	220	149	2	0	-26	24	220	286	156	208	34	10			
372+00.00	301	127	174	3.24	0	127	357	208	149	0	0	-26	24	206	268	138	208	34	10			
372+50.00	298	124	174	3.24	0	124	361	213	149	0	0	-26	24	211	274	147	208	34	10			
373+00.00	290	117	174	3.24	0	117	373	225	149	0	0	-26	24	223	290	170	208	34	10			
373+50.00	283	109	174	3.24	0	109	401	253	149	0	0	-26	24	251	326	214	208	34	10			
374+00.00	269	95	174	3.24	0	95	424	276	149	0	0	-26	24	274	356	257	208	34	10			
374+50.00	256	82	174	3.24	0	82	444	295	149	0	0	-26	24	293	381	296	208	34	10			
375+00.00	268	94	174	3.24	0	94	453	304	149	0	0	-26	24	302	393	296	208	34	10			
375+50.00	298	124	174	3.24	0	124	432	283	149	0	0	-26	24	281	366	238	208	34	10			
376+00.00	335	161	174	3.24	0	161	408	259	149	0	0	-26	24	257	335	171	208	34	10			
376+50.00	367	193	174	3.24	0	193	381	232	149	0	0	-26	24	230	299	103	208	34	10			
377+00.00	374	201	174	3.24	0	201	360	212	149	0	0	-26	24	210	272	69	208	34	10			
377+50.00	370	196	174	3.24	0	196	360	211	149	0	0	-26	24	209	272	73	208	34	10			
378+00.00	372	198	174	3.24	0	198	360	211	149	0	0	-26	24	209	272	71	208	34	10			
378+50.00	372	198	174	3.24	0	198	363	214	149	0	0	-26	24	212	276	74	208	34	10			
379+00.00	363	189	174	3.24	0	189	374	226	149	0	0	-26	24	224	291	99	208	34	10			
379+50.00	367	193	174	3.24	0	193	349	201	149	0	0	-26	24	199	258	62	208	34	10			
380+00.00	400	226	174	3.24	0	226	305	156	149	0	231	-26	24	386	501	272	208	34	10			
380+50.00	368	194	174	3.24	0	194	328	180	149	0	0	-26	24	178	231	34	208	34	10			
381+00.00	278	104	174	3.24	0	104	388	239	149	0	0	-26	24	237	308	201	208	34	10			
381+50.00	220	47	174	3.24	0	47	424	276	149	0	0	-26	24	274	356	306	208	34	10			
382+00.00	194	20	174	3.24	0	20	425	277	149	0	0	-26	24	275	357	334	208	34	10			
382+50.00	192	18	174	3.24	0	18	415	266	149	0	0	-26	24	264	343	322	208	34	10			
383+00.00	220	46	174	3.24	0	46	389	240	149	0	0	-26	24	238	310	261	208	34	10			
383+50.00	264	90	174	3.24	0	90	336	187	149	0	0	-26	24	186	241	148	208	34	10			
384+00.00	287	113	174	3.24	0	113	315	166	149	0	0	-26	24	164	214	97	208	34	10			
384+50.00	299	125	174	3.24	0	125	310	162	149	0	0	-26	24	160	208	80	208	34	10			
385+00.00	312	138	174	3.24	0	138	289	141	149	0	0	-26	24	139	180	39	208	34	10			
385+50.00	322	149	174	3.24	0	149	284	136	149	0	0	-26	24	134	174	22	208	34	10			
386+00.00	327	153	174	3.24	0	153	299	151	149	0	0	-26	24	149	193	37	208	34	10			
386+50.00	319	145	174	3.24	0	145	318	169	149	0	0	-26	24	167	218	69	208	34	10			
387+00.00	295	121	174	3.24	0	121	340	192	149	0	0	-26	24	190	247	123	208	34	10			
387+50.00	269	95	174	3.24	0	95	357	208	149	0	0	-26	24	206	268	170	208	34	10			
388+00.00	257	83	174	3.24	0	83	360	211	149	0	0	-26	24	209	272	185	208	34	10			
388+50.00	263	89	174	3.24	0	89	344	195	149	0	0	-26	24	193	251	158	208	34	10			
389+00.00	286	112	174	3.24	0	112	331	183	149	0	0	-26	24	181	235	119	208	34	10			
389+50.00	322	149	174	3.24	0	149	329	181	149	0	0	-26	24	179	232	81	208	34	10			
390+00.00	350	176	174	3.24	0	176	327	178	149	0	0	-26	24	176	229	49	208	34	10			
390+50.00	351	177	174	3.24	0	177	329	180	149	0	0	-26	24	178	232	51	208	34	10			
391+00.00	327	153	174	3.24	0	153	339	191	149	0	0	-26	24	189	246	90	208	34	10			
391+50.00	294	120	174	3.24	0	120	357	208	149	0	0	-26	24	206	268	145	208	34	10			
392+00.00	271	97	174	3.24	0	97	369	220	149	0	0	-26	24	218	283	183	208	34	10			
392+50.00	253	79	174	3.24	0	79	374	225	149	0	0	-26	24	223	290	208	208	34	10			
393+00.00	232	58	174	3.24	0	58	391	242	149	0	0	-26	24	240	312	251	208	34	10			
393+50.00	225	51	174	3.24	0	51	411	262	149	0	0	-26	24	260	338	284	208	34	10			
394+00.00	231	58	174	3.24	0	58	397	249	149	0	0	-26	24	247	321	260	208	34	10			
394+50.00	230	56	174	3.24	0	56	398	250	149	0	0	-26	24	248	322	263	208	34	10			
395+00.00	213	58	155	3.24	0	58	390	259	131	0	0	-26	20	253	329	267	183	28	10			
395+50.00	225	70	155	3.24	0	70	360	229	131	0	0	-26	20	223	289	216	183	28	10			
396+00.00	238	83	155	3.24	0	83	337	206	131	0	0	-26	20	200	260	174	183	28	10			
396+50.00	254	99	155	3.24	0	99	328	197	131	0	0	-26	20	191	248	146	183	28	10			
397+00.00	264	109	155	3.24	0	109	312	181	131	0	0	-26	20	175	227	115	183	28	10			
397+50.00	267	112	155	3.24	0	112	298	168	131	0	0	-26	20	161	210	95	183	28	10			
398+00.00	268	113	155	3.24	0	113	306	176	131	0	0	-26	20	169	220	104	183	28	10			
398+50.00	267	112	155	3.24	0	112	310	179	131	0	0	-26	20	173	225	110	183	28	10			
399+00.00	264	109	155	3.24	0	109	304	173	131	0	0	-26	20	167	217	104	183	28	10			
399+50.00	260	105	155	3.24	0	105	318	187	131	0	0	-26	20	181	235	126	183	28	10			
400+00.00	258	103	155	3.24	0	103	324	193	131	0	0	-26	20	187	243	137	183	28	10			
400+50.00	261	106	155	3.24	0	106	325	195	131	0	0	-26	20	188	245	135	183	28	10			
401+00.00	258	103	155	3.24	0	103	338	207	131	0	0	-26	20	201	261	155	183	28	10			
401+50.00	238	83	155	3.24	0	83	348	217	131	0	0	-26	20	211	274	188	183	28	10			
402+00.00	223	68	155	3.24	0	68	362	231	131	0	0	-26	20	225	292	220	183	28	10			
402+50.00	221	66	155	3.24	0	66	379	249	131	0	0	-26	20	242	315	246	183	28	10			
403+00.00	227	72	155	3.24	0	72	383	252														

**TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS**

	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]	
	Total Cut Unadjusted yd³	Class 10 Cut Unadjusted yd³	Topsoil Strip yd³	Class 13 Cut for Pavement Widening yd³	Extra Cut for Subbase yd³	Total Adjusted Class 10 Cut yd³	Total Fill Unadjusted yd³	Class 10 fill Unadjusted yd³	Topsoil Spread yd³	Pavement Removal Overdepth yd²	Entrance Fill Adjustments yd³	Pavement, Modified Subbase, and Granular Shoulder Volume yd³	Make up Topsoil Shortfall (Short/TS Shrink Fac.) yd³	Total Class 10 Fill yd³	Total Class 10 with Weighted Ave. 1.3 Shrink Factor yd³	Contractor Prov. Borrow (Cl. 10 Fill w/ Shrink less Adj. Cl. 10 Cut & Cl. 13)	Topsoil Spread with 1.4 Shrink Factor yd³	Topsoil Shortfall Spread w/ Shrink minus Strip yd³	Topsoil Spread Thickness inches				
	18,892	7,408	11,484	207.36	67	7,475	23,566	13,779	9,787	2	231	-1,936	1,584	13,660	17,758	10,076							
403+50.00	238	83	155	3.24		83	364	233	131		0	-26	20	226	294	208	183	28	10				
404+00.00	245	90	155	3.24		90	350	219	131		0	-26	20	213	276	183	183	28	10				
404+50.00	252	98	155	3.24		98	341	210	131		0	-26	20	204	265	164	183	28	10				
405+00.00	257	102	155	3.24		102	322	191	131		0	-26	20	185	240	134	183	28	10				
405+50.00	256	101	155	3.24		101	305	174	131		0	-26	20	168	218	114	183	28	10				
406+00.00	247	92	155	3.24		92	305	175	131		0	-26	20	168	219	124	183	28	10				
406+50.00	239	84	155	3.24		84	313	182	131		0	-26	20	176	229	141	183	28	10				
407+00.00	228	73	155	3.24		73	315	184	131		0	-26	20	178	231	155	183	28	10				
407+50.00	254	99	155	3.24		99	274	143	131		190	-26	20	327	425	323	183	28	10				
408+00.00	235	80	155	3.24		80	296	166	131		0	-26	20	159	207	124	183	28	10				
408+50.00	182	27	155	3.24		27	363	233	131		0	-26	20	226	294	264	183	28	10				
409+00.00	188	33	155	3.24		33	370	239	131		0	-26	20	233	303	266	183	28	10				
409+50.00	195	40	155	3.24		40	360	229	131		0	-26	20	223	290	246	183	28	10				
410+00.00	200	45	155	3.24		45	359	228	131		0	-26	20	221	288	239	183	28	10				
410+50.00	206	51	155	3.24		51	363	232	131		0	-26	20	226	293	239	183	28	10				
411+00.00	209	54	155	3.24		54	359	229	131		0	-26	20	222	289	232	183	28	10				
411+50.00	216	61	155	3.24		61	373	243	131		0	-26	20	236	307	243	183	28	10				
412+00.00	232	77	155	3.24		77	369	238	131		0	-26	20	232	301	220	183	28	10				
412+50.00	259	104	155	3.24		104	349	219	131		0	-26	20	212	276	169	183	28	10				
413+00.00	285	130	155	3.24		130	344	213	131		0	-26	20	206	268	135	183	28	10				
413+50.00	292	137	155	3.24		137	344	214	131		0	-26	20	207	269	129	183	28	10				
414+00.00	286	131	155	3.24		131	347	216	131		0	-26	20	210	273	138	183	28	10				
414+50.00	287	132	155	3.24		132	349	218	131		0	-26	20	212	275	140	183	28	10				
415+00.00	291	136	155	3.24		136	359	228	131		0	-26	20	222	288	149	183	28	10				
415+50.00	282	127	155	3.24		127	372	242	131		0	-26	20	235	306	175	183	28	10				
416+00.00	262	107	155	3.24		107	372	241	131		0	-26	20	235	305	195	183	28	10				
416+50.00	238	83	155	3.24		83	377	246	131		0	-26	20	240	312	225	183	28	10				
417+00.00	216	61	155	3.24		61	395	264	131		0	-26	20	258	335	271	183	28	10				
417+50.00	200	45	155	3.24		45	403	272	131		0	-26	20	266	345	297	183	28	10				
418+00.00	202	47	155	3.24		47	408	277	131		0	-26	20	270	352	301	183	28	10				
418+50.00	247	92	155	3.24		92	381	250	131		353	-26	20	597	776	681	183	28	10				
419+00.00	292	137	155	3.24		137	342	212	131		0	-26	20	205	267	126	183	28	10				
419+50.00	314	159	155	3.24		159	315	185	131		334	-26	20	512	665	503	183	28	10				
420+00.00	319	164	155	3.24		164	310	179	131		0	-26	20	173	225	58	183	28	10				
420+50.00	301	146	155	3.24		146	309	178	131		0	-26	20	172	224	75	183	28	10				
421+00.00	308	153	155	3.24		153	265	134	131		92	-26	20	220	285	129	183	28	10				
421+50.00	480	306	174	3.24		306	212	63	149		0	-26	24	61	80	-229	208	34	10				
422+00.00	449	276	174	3.24		276	258	109	149		0	-26	24	107	139	-140	208	34	10				
422+50.00	270	96	174	3.24		96	390	242	149		0	-26	24	240	312	212	208	34	10				
423+00.00	253	79	174	3.24		79	464	315	149		0	-26	24	313	407	325	208	34	10				
423+50.00	242	68	174	3.24		68	503	354	149		0	-26	24	352	458	387	208	34	10				
424+00.00	244	70	174	3.24		70	510	361	149		0	-26	24	359	467	393	208	34	10				
424+50.00	267	93	174	3.24		93	481	333	149		0	-26	24	331	430	334	208	34	10				
425+00.00	302	129	174	3.24		129	439	290	149		0	-26	24	288	375	243	208	34	10				
425+50.00	331	157	174	3.24		157	400	251	149		0	-26	24	249	324	164	208	34	10				
426+00.00	337	163	174	3.24		163	385	236	149		0	-26	24	234	305	139	208	34	10				
426+50.00	312	139	174	3.24		139	403	254	149		0	-26	24	252	328	186	208	34	10				
427+00.00	275	101	174	3.24		101	425	276	149		0	-26	24	274	356	252	208	34	10				
427+50.00	253	79	174	3.24		79	454	305	149		0	-26	24	303	394	311	208	34	10				
428+00.00	241	67	174	3.24		67	466	317	149		0	-26	24	315	410	339	208	34	10				
428+50.00	227	53	174	3.24		53	461	313	149		0	-26	24	311	404	347	208	34	10				
429+00.00	232	58	174	3.24		58	456	307	149		0	-26	24	306	397	336	208	34	10				
429+50.00	271	97	174	3.24		97	426	278	149		0	-26	24	276	359	258	208	34	10				
430+00.00	323	150	174	3.24		150	391	242	149		0	-26	24	240	312	160	208	34	10				
430+50.00	367	193	174	3.24		193	365	216	149		510	-26	24	724	942	746	208	34	10				
431+00.00	375	201	174	3.24		201	360	212	149		0	-26	24	210	273	68	208	34	10				
431+50.00	366	192	174	3.24		192	365	216	149		0	-26	24	214	278	83	208	34	10				
432+00.00	360	187	174	3.24		187	359																

**TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS**

	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]	
	Total Cut Unadjusted yd³	Class 10 Cut Unadjusted yd³	Topsoil Strip yd³	Class 13 Cut for Pavement Widening yd³	Extra Cut for Subbase yd³	Total Adjusted Class 10 Cut yd³	Total Fill Unadjusted yd³	Class 10 fill Unadjusted yd³	Topsoil Spread yd³	Pavement Removal Overdepth yd²	Entrance Fill Adjustments yd³	Pavement, Modified Subbase, and Granular Shoulder Volume yd³	Make up Topsoil Shortfall (Short/TS Shrink Fac.) yd³	Total Class 10 Fill yd³	Total Class 10 with Weighted Ave. 1.3 Shrink Factor yd³	Contractor Prov. Borrow (Cl. 10 Fill w/ Shrink less Adj. Cl. 10 Cut & Cl. 13)	Topsoil Spread with 1.4 Shrink Factor yd³	Topsoil Shortfall Spread w/ Shrink minus Strip yd³	Topsoil Spread Thickness inches				
	37,455	15,233	22,222	421.20	67	15,300	47,562	28,669	18,893	2	2,231	-3,678	3,020	30,243	39,316	23,595							
436+50.00	240	85	155	3.24		85	373	243	130		0	-26	19	236	307	219	182	27	10				
437+00.00	225	70	155	3.24		70	395	265	130		0	-26	19	258	335	262	182	27	10				
437+50.00	210	55	155	3.24		55	409	279	130		0	-26	19	272	353	296	182	27	10				
438+00.00	202	47	155	3.24		47	402	273	130		0	-26	19	265	345	295	182	27	10				
438+50.00	198	43	155	3.24		43	386	256	130		0	-26	19	249	324	277	182	27	10				
439+00.00	199	44	155	3.24		44	391	262	130		0	-26	19	254	330	283	182	27	10				
439+50.00	207	52	155	3.24		52	391	262	130		0	-26	19	254	331	276	182	27	10				
440+00.00	222	67	155	3.24		67	380	251	130		0	-26	19	243	316	246	182	27	10				
440+50.00	235	80	155	3.24		80	376	246	130		0	-26	19	239	311	227	182	27	10				
441+00.00	233	78	155	3.24		78	381	251	130		0	-26	19	244	317	236	182	27	10				
441+50.00	220	65	155	3.24		65	422	292	130		343	-26	19	628	816	748	182	27	10				
442+00.00	217	62	155	3.24		62	448	318	130		0	-26	19	311	404	338	182	27	10				
442+50.00	218	77	142	3.24		77	413	297	116		0	-26	15	286	372	292	163	21	10				
443+00.00	229	87	142	3.24		87	374	258	116		0	-26	15	246	320	230	163	21	10				
443+50.00	243	101	142	3.24		101	336	220	116		0	-26	15	209	271	167	163	21	10				
444+00.00	274	132	142	3.24		132	284	167	116		88	-26	15	244	317	181	163	21	10				
444+50.00	310	168	142	3.24		168	239	122	116		83	-26	15	194	252	80	163	21	10				
445+00.00	291	149	142	3.24		149	252	136	116		0	-26	15	124	162	10	163	21	10				
445+50.00	246	104	142	3.24		104	270	154	116		0	-26	15	142	185	78	163	21	10				
446+00.00	227	86	142	3.24		86	271	154	116		0	-26	15	143	186	97	163	21	10				
446+50.00	207	66	142	3.24		66	289	173	116		0	-26	15	162	210	141	163	21	10				
447+00.00	244	102	142	3.24		102	260	143	116		337	-26	15	469	609	504	163	21	10				
447+50.00	250	109	142	3.24		109	253	137	116		0	-26	15	126	163	52	163	21	10				
448+00.00	261	87	174	3.24		87	337	189	149		0	-26	24	187	243	153	208	34	10				
448+50.00	280	106	174	3.24		106	356	208	149		0	-26	24	206	268	158	208	34	10				
449+00.00	289	115	174	3.24		115	365	216	149		0	-26	24	214	279	161	208	34	10				
449+50.00	273	99	174	3.24		99	380	232	149		0	-26	24	230	299	196	208	34	10				
450+00.00	251	77	174	3.24		77	402	253	149		0	-26	24	251	327	246	208	34	10				
450+50.00	242	68	174	3.24		68	416	268	149		0	-26	24	266	345	274	208	34	10				
451+00.00	226	52	174	3.24		52	425	276	149		0	-26	24	274	356	301	208	34	10				
451+50.00	215	41	174	3.24		41	426	278	149		0	-26	24	276	359	314	208	34	10				
452+00.00	242	68	174	3.24		68	414	266	149		0	-26	24	264	343	272	208	34	10				
452+50.00	272	98	174	3.24		98	392	244	149		0	-26	24	242	314	214	208	34	10				
453+00.00	277	103	174	3.24		103	367	218	149		0	-26	24	216	281	175	208	34	10				
453+50.00	276	102	174	3.24		102	354	205	149		0	-26	24	203	264	159	208	34	10				
454+00.00	362	188	174	3.24		188	270	121	149		506	-26	24	626	813	622	208	34	10				
454+50.00	361	188	174	3.24		188	269	120	149		0	-26	24	119	154	-37	208	34	10				
455+00.00	274	100	174	3.24		100	358	210	149		0	-26	24	208	270	167	208	34	10				
455+50.00	283	109	174	3.24		109	371	223	149		0	-26	24	221	287	175	208	34	10				
456+00.00	289	115	174	3.24		115	375	226	149		0	-26	24	224	291	173	208	34	10				
456+50.00	280	106	174	3.24		106	381	232	149		0	-26	24	230	299	190	208	34	10				
457+00.00	272	98	174	3.24		98	388	239	149		0	-26	24	237	308	207	208	34	10				
457+50.00	277	103	174	3.24		103	384	235	149		0	-26	24	234	304	197	208	34	10				
458+00.00	283	109	174	3.24		109	377	228	149		0	-26	24	226	294	182	208	34	10				
458+50.00	292	118	174	3.24		118	364	216	149		0	-26	24	214	278	157	208	34	10				
459+00.00	304	130	174	3.24		130	353	205	149		0	-26	24	203	263	130	208	34	10				
459+50.00	314	140	174	3.24		140	363	215	149		0	-26	24	213	277	134	208	34	10				
460+00.00	320	146	174	3.24		146	363	214	149		0	-26	24	213	276	127	208	34	10				
460+50.00	331	157	174	3.24		157	341	192	149		0	-26	24	190	248	88	208	34	10				
461+00.00	337	163	174	3.24		163	346	198	149		0	-26	24	196	254	88	208	34	10				
461+50.00	367	193	174	3.24		193	319	170	149		343	-26	24	511	664	468	208	34	10				
462+00.00	345	171	174	3.24		171	326	177	149		0	-26	24	175	228	54	208	34	10				
462+50.00	286	112	174	3.24		112	376	227	149		0	-26	24	225	292	177	208	34	10				
463+00.00	278	104	174	3.24		104	382	233	149		0	-26	24	231	301	193	208	34	10				
463+50.00	271	97	174	3.24		97	388	239	149		0	-26	24	237	308	208	208	34	10				
464+00.00	275	101	174	3.24		101	389	240	149		0	-26	24	238	310	206	208	34	10				
464+50.00	293	120	174	3.24		120	379	230	149		0	-26	24	228	297	174	208	34	10				
465+00.00	308	134	174	3.24																			



### TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted yd³	Class 10 Cut Unadjusted yd³	Topsoil Strip yd³	Class 13 Cut for Pavement Widening yd³	Extra Cut for Subbase yd³	Total Adjusted Class 10 Cut yd³	Total Fill Unadjusted yd³	Class 10 fill Unadjusted yd³	Topsoil Spread yd³	Pavement Removal Overdepth yd²	Entrance Fill Adjustments yd³	Pavement, Modified Subbase, and Granular Shoulder Volume yd³	Make up Topsoil Shortfall (Short/TS Shrink Fac.) yd³	Total Class 10 Fill yd³	Total Class 10 with Weighted Ave. 1.3 Shrink Factor yd³	Contractor Prov. Borrow (Cl. 10 Fill w/ Shrink less Adj. Cl. 10 Cut & Cl. 13)	Topsoil Spread with 1.4 Shrink Factor yd³	Topsoil Shortfall Spread w/ Shrink minus Strip yd³	Topsoil Spread Thickness inches			
	55,209	22,093	33,117	635.04	67	22,160	71,532	43,410	28,122	2	3,930	-5,420	4,467	46,389	60,306	37,511						
469+50.00	316	142	174	3.24		142	381	232	149		0	-26	24	230	299	154	208	34	10			
470+00.00	316	142	174	3.24		142	379	230	149		0	-26	24	228	296	151	208	34	10			
470+50.00	307	134	174	3.24		134	375	226	149		0	-26	24	224	292	155	208	34	10			
471+00.00	298	124	174	3.24		124	381	232	149		0	-26	24	230	299	172	208	34	10			
471+50.00	280	106	174	3.24		106	394	245	149		0	-26	24	243	316	207	208	34	10			
472+00.00	258	84	174	3.24		84	403	255	149		0	-26	24	253	329	241	208	34	10			
472+50.00	251	77	174	3.24		77	397	248	149		0	-26	24	247	320	240	208	34	10			
473+00.00	246	72	174	3.24		72	397	249	149		0	-26	24	247	321	245	208	34	10			
473+50.00	239	65	174	3.24		65	418	269	149		0	-26	24	267	347	279	208	34	10			
474+00.00	234	60	174	3.24		60	415	266	149		0	-26	24	264	344	281	208	34	10			
474+50.00	415	264	151	3.24		264	266	140	126		0	-26	18	132	171	-96	176	25	10			
475+00.00	413	262	151	3.24		262	217	91	126		0	-26	18	83	107	-158	176	25	10			
475+50.00	205	53	151	3.24		53	281	156	126	209	0	-26	18	356	463	407	176	25	10			
476+00.00	221	70	151	3.24		70	278	152	126	0	0	-26	18	143	186	113	176	25	10			
476+50.00	233	82	151	3.24		82	272	146	126	0	0	-26	18	137	179	94	176	25	10			
477+00.00	230	79	151	3.24		79	275	149	126	0	0	-26	18	141	183	101	176	25	10			
477+50.00	231	80	151	3.24		80	279	153	126	0	0	-26	18	145	188	105	176	25	10			
478+00.00	263	112	151	3.24		112	251	125	126	0	0	-26	18	117	152	37	176	25	10			
478+50.00	305	154	151	3.24		154	224	98	126	375	0	-26	18	465	604	447	176	25	10			
479+00.00	263	112	151	3.24		112	253	128	126	0	0	-26	18	119	155	39	176	25	10			
479+50.00	231	57	174	3.24		57	315	166	149	0	0	-26	24	164	214	153	208	34	10			
480+00.00	262	88	174	3.24		88	333	185	149	0	0	-26	24	183	237	146	208	34	10			
480+50.00	291	117	174	3.24		117	343	194	149	0	0	-26	24	192	250	130	208	34	10			
481+00.00	282	108	174	3.24		108	340	191	149	0	0	-26	24	190	246	135	208	34	10			
481+50.00	276	102	174	3.24		102	339	190	149	0	0	-26	24	188	245	140	208	34	10			
482+00.00	273	100	174	3.24		100	341	192	149	0	0	-26	24	190	247	144	208	34	10			
482+50.00	282	108	174	3.24		108	338	190	149	0	0	-26	24	188	244	133	208	34	10			
483+00.00	301	127	174	3.24		127	329	180	149	0	0	-26	24	178	232	101	208	34	10			
483+50.00	338	164	174	3.24		164	307	158	149	0	0	-26	24	156	203	36	208	34	10			
484+00.00	449	275	174	3.24		275	258	109	149	402	0	-26	24	509	662	384	208	34	10			
484+50.00	476	303	174	3.24		303	220	72	149	0	0	-26	24	70	91	-215	208	34	10			
485+00.00	366	221	146	3.24		221	187	67	120	133	0	-26	16	190	247	23	168	23	10			
485+50.00	297	151	146	3.24		151	229	109	120	0	0	-26	16	99	128	-26	168	23	10			
486+00.00	251	106	146	3.24		106	281	160	120	0	0	-26	16	150	195	87	168	23	10			
486+50.00	252	106	146	3.24		106	287	167	120	0	0	-26	16	156	203	94	168	23	10			
487+00.00	253	108	146	3.24		108	282	162	120	0	0	-26	16	151	197	86	168	23	10			
487+50.00	256	111	146	3.24		111	274	153	120	0	0	-26	16	143	186	72	168	23	10			
488+00.00	294	121	174	3.24		121	285	137	149	419	0	-26	24	554	721	597	208	34	10			
488+50.00	342	168	174	3.24		168	260	111	149	0	0	-26	24	109	142	-29	208	34	10			
489+00.00	404	230	174	3.24		230	244	96	149	0	0	-26	24	94	122	-112	208	34	10			
489+50.00	383	209	174	3.24		209	269	121	149	0	0	-26	24	119	154	-58	208	34	10			
490+00.00	354	180	174	3.24		180	301	152	149	0	0	-26	24	150	195	12	208	34	10			
490+50.00	377	203	174	3.24		203	308	159	149	0	0	-26	24	157	204	-2	208	34	10			
491+00.00	366	192	174	3.24		192	327	178	149	0	0	-26	24	176	229	33	208	34	10			
491+50.00	331	157	174	3.24		157	359	210	149	0	0	-26	24	208	271	110	208	34	10			
492+00.00	296	122	174	3.24		122	398	249	149	0	0	-26	24	247	321	196	208	34	10			
492+50.00	266	92	174	3.24		92	421	272	149	0	0	-26	24	270	351	256	208	34	10			
493+00.00	257	83	174	3.24		83	421	273	149	0	0	-26	24	271	352	265	208	34	10			
493+50.00	259	86	174	3.24		86	419	271	149	0	0	-26	24	269	349	260	208	34	10			
494+00.00	263	90	174	3.24		90	403	254	149	0	0	-26	24	253	328	236	208	34	10			
494+50.00	271	97	174	3.24		97	380	231	149	0	0	-26	24	229	298	197	208	34	10			
495+00.00	289	115	174	3.24		115	359	210	149	0	0	-26	24	208	271	152	208	34	10			
495+50.00	320	146	174	3.24		146	339	191	149	0	0	-26	24	189	246	96	208	34	10			
496+00.00	350	176	174	3.24		176	324	175	149	0	0	-26	24	173	225	46	208	34	10			
496+50.00	365	191	174	3.24		191	309	160	149	0	0	-26	24	158	206	12	208	34	10			
497+00.00	371	197	174	3.24		197	301	152	149	0	0	-26	24	150	195	-5	208	34	10			
497+50.00	371	197	174	3.24		197	304	156	149	0	0	-26	24	154	200	-1	208	34	10			
498+00.00	364	190	174	3.24		190	311	162	149	0	0	-26	24	160	208	15	208	34	10			
498+50.00	348	174	174	3.24		174	318															

### TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]	
	Total Cut Unadjusted yd <sup>3</sup>	Class 10 Cut Unadjusted yd <sup>3</sup>	Topsoil Strip yd <sup>3</sup>	Class 13 Cut for Pavement Widening yd <sup>3</sup>	Extra Cut for Subbase yd <sup>3</sup>	Total Adjusted Class 10 Cut yd <sup>3</sup>	Total Fill Unadjusted yd <sup>3</sup>	Class 10 fill Unadjusted yd <sup>3</sup>	Topsoil Spread yd <sup>3</sup>	Pavement Removal Overdepth yd <sup>2</sup>	Entrance Fill Adjustments yd <sup>3</sup>	Pavement, Modified Subbase, and Granular Shoulder Volume yd <sup>3</sup>	Make up Topsoil Shortfall (Short/TS Shrink Fac.) yd <sup>3</sup>	Total Class 10 Fill yd <sup>3</sup>	Total Class 10 with Weighted Ave. 1.3 Shrink Factor yd <sup>3</sup>	Contractor Prov. Borrow (Cl. 10 Fill w/ Shrink less Adj. Cl. 10 Cut & Cl. 13)	Topsoil Spread with 1.4 Shrink Factor yd <sup>3</sup>	Topsoil Shortfall Spread w/ Shrink minus Strip yd <sup>3</sup>	Topsoil Spread Thickness inches				
	75,454	31,259	44,195	848.88	67	31,326	92,473	54,938	37,535	2	6,239	-7,162	5,967	59,984	77,979	45,804							
502+50.00	307	133	174	3.24		133	318	170	149		0	-26	24	168	218	82	208	34	10				
503+00.00	299	125	174	3.24		125	333	185	149		0	-26	24	183	238	109	208	34	10				
503+50.00	301	127	174	3.24		127	329	180	149		0	-26	24	178	232	102	208	34	10				
504+00.00	306	132	174	3.24		132	326	178	149		0	-26	24	176	229	93	208	34	10				
504+50.00	304	130	174	3.24		130	323	174	149		0	-26	24	172	224	91	208	34	10				
505+00.00	298	124	174	3.24		124	319	170	149		0	-26	24	168	219	92	208	34	10				
505+50.00	295	121	174	3.24		121	316	167	149		0	-26	24	166	215	91	208	34	10				
506+00.00	298	124	174	3.24		124	317	168	149		0	-26	24	166	216	88	208	34	10				
506+50.00	298	125	174	3.24		125	320	171	149		0	-26	24	169	220	92	208	34	10				
507+00.00	306	132	174	3.24		132	318	169	149		0	-26	24	168	218	83	208	34	10				
507+50.00	315	141	174	3.24		141	316	168	149		0	-26	24	166	215	71	208	34	10				
508+00.00	321	147	174	3.24		147	312	164	149		0	-26	24	162	210	60	208	34	10				
508+50.00	318	144	174	3.24		144	302	153	149		0	-26	24	151	196	49	208	34	10				
509+00.00	312	138	174	3.24		138	297	148	149		0	-26	24	146	190	49	208	34	10				
509+50.00	305	131	174	3.24		131	307	158	149		0	-26	24	157	203	69	208	34	10				
510+00.00	300	126	174	3.24		126	310	161	149		0	-26	24	159	207	78	208	34	10				
510+50.00	296	122	174	3.24		122	277	128	149		243	-26	24	369	480	354	208	34	10				
511+00.00	285	111	174	3.24		111	274	126	149		0	-26	24	124	161	46	208	34	10				
511+50.00	273	100	174	3.24		100	306	157	149		0	-26	24	155	201	99	208	34	10				
512+00.00	278	105	174	3.24		105	311	163	149		0	-26	24	161	209	101	208	34	10				
512+50.00	282	108	174	3.24		108	316	167	149		0	-26	24	165	215	104	208	34	10				
513+00.00	277	103	174	3.24		103	320	171	149		0	-26	24	170	220	114	208	34	10				
513+50.00	277	103	174	3.24		103	320	171	149		0	-26	24	169	220	113	208	34	10				
514+00.00	284	110	174	3.24		110	317	169	149		0	-26	24	167	217	104	208	34	10				
514+50.00	293	119	174	3.24		119	329	180	149		0	-26	24	178	231	109	208	34	10				
515+00.00	297	124	174	3.24		124	335	187	149		0	-26	24	185	240	114	208	34	10				
515+50.00	297	123	174	3.24		123	334	186	149		0	-26	24	184	239	113	208	34	10				
516+00.00	297	123	174	3.24		123	334	186	149		0	-26	24	184	239	113	208	34	10				
516+50.00	309	135	174	3.24		135	323	174	149		0	-26	24	172	224	86	208	34	10				
517+00.00	367	193	174	3.24		193	295	147	149		0	-26	24	145	188	-8	208	34	10				
517+50.00	391	217	174	3.24		217	292	144	149		0	-26	24	142	184	-36	208	34	10				
518+00.00	374	200	174	3.24		200	319	170	149		0	-26	24	168	218	15	208	34	10				
518+50.00	427	253	174	3.24		253	302	153	149		0	-26	24	151	197	-60	208	34	10				
519+00.00	473	299	174	3.24		299	273	124	149		706	-26	24	828	1,077	775	208	34	10				
519+50.00	440	266	174	3.24		266	301	153	149		0	-26	24	151	196	-74	208	34	10				
520+00.00	388	214	174	3.24		214	351	202	149		0	-26	24	200	260	43	208	34	10				
520+50.00	301	127	174	3.24		127	399	250	149		0	-26	24	248	323	192	208	34	10				
521+00.00	217	43	174	3.24		43	453	304	149		0	-26	24	302	393	347	208	34	10				
521+50.00	208	34	174	3.24		34	458	309	149		0	-26	24	307	399	362	208	34	10				
522+00.00	285	111	174	3.24		111	329	181	149		642	-26	24	821	1,067	953	208	34	10				
522+50.00	356	182	174	3.24		182	312	163	149		0	-26	24	161	209	24	208	34	10				
523+00.00	434	261	174	3.24		261	295	146	149		679	-26	24	823	1,070	806	208	34	10				
523+50.00	355	181	174	3.24		181	309	160	149		0	-26	24	158	206	21	208	34	10				
524+00.00	201	27	174	3.24		27	473	324	149		0	-26	24	322	419	389	208	34	10				
524+50.00	198	25	174	3.24		25	542	394	149		0	-26	24	392	509	481	208	34	10				
525+00.00	198	24	174	3.24		24	580	431	149		0	-26	24	429	558	531	208	34	10				
525+50.00	207	33	174	3.24		33	572	423	149		0	-26	24	421	548	512	208	34	10				
526+00.00	224	50	174	3.24		50	536	387	149		0	-26	24	385	501	447	208	34	10				
526+50.00	266	92	174	3.24		92	472	323	149		0	-26	24	321	417	322	208	34	10				
527+00.00	283	110	174	3.24		110	350	201	149		0	-26	24	199	259	146	208	34	10				
527+50.00	418	244	174	3.24		244	223	74	149		0	-26	24	72	94	-154	208	34	10				
528+00.00	434	261	174	3.24		261	244	96	149		0	-26	24	94	122	-142	208	34	10				
528+50.00	312	138	174	3.24		138	338	189	149		0	-26	24	187	243	101	208	34	10				
529+00.00	310	136	174	3.24		136	358	209	149		0	-26	24	207	269	129	208	34	10				
529+50.00	296	122	174	3.24		122	358	209	149		0	-26	24	207	270	144	208	34	10				
530+00.00	286	112	174	3.24		112	362	213	149		0	-26	24	211	274	159	208	34	10				
530+50.00	279	106	174	3.24		106	367	218	149		0	-26	24	216	281	173	208	34	10				
531+00.00	271	97	174	3.24		97	378	230	149		0	-26	24	228	296	196	208	34	10				
531+50.00	257	83	174	3.24		83	381	233	149		0	-26	24	231	300	214	208	34	10				
532+00.00	245	71	174	3.24		71	381	232	149		0	-26	24	230	299	225	208	34	10				
532+50.00	244	71	174	3.24		71	377	229	149		0	-26	24	227	295	221	208	34	10				
533+00.00	255	81	174	3.24		81	369	220	149		0	-26	24	218	284	199	208	34	10				
533+50.00	266	93	174	3.24		93	362	214	149		0	-26	24	212	275	180	208	34	10				
534+00.00	263	89	174	3.24		89	369	220	149		0	-26	24	218	284	191	208	34	10				
534+50.00	255	81	174	3.24																			



**TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS**

	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted yd <sup>3</sup>	Class 10 Cut Unadjusted yd <sup>3</sup>	Topsoil Strip yd <sup>3</sup>	Class 13 Cut for Pavement Widening yd <sup>3</sup>	Extra Cut for Subbase yd <sup>3</sup>	Total Adjusted Class 10 Cut yd <sup>3</sup>	Total Fill Unadjusted yd <sup>3</sup>	Class 10 fill Unadjusted yd <sup>3</sup>	Topsoil Spread yd <sup>3</sup>	Pavement Removal Overdepth yd <sup>2</sup>	Entrance Fill Adjustments yd <sup>3</sup>	Pavement, Modified Subbase, and Granular Shoulder Volume yd <sup>3</sup>	Make up Topsoil Shortfall (Short/TS Shrink Fac.) yd <sup>3</sup>	Total Class 10 Fill yd <sup>3</sup>	Total Class 10 with Weighted Ave. 1.3 Shrink Factor yd <sup>3</sup>	Contractor Prov. Borrow (Cl. 10 Fill w/ Shrink less Adj. Cl. 10 Cut & Cl. 13)	Topsoil Spread with 1.4 Shrink Factor yd <sup>3</sup>	Topsoil Shortfall Spread w/ Shrink minus Strip yd <sup>3</sup>	Topsoil Spread Thickness inches			
	95,330	39,660	55,670	1,062.72	67	39,727	115,469	68,124	47,345	2	8,509	-8,903	7,581	75,312	97,906	57,116						
535+50.00	267	93	174	3.24		93	374	226	149		0	-26	24	224	291	195	208	34	10			
536+00.00	270	97	174	3.24		97	389	240	149		0	-26	24	238	310	210	208	34	10			
536+50.00	279	105	174	3.24		105	389	241	149		0	-26	24	239	310	202	208	34	10			
537+00.00	287	114	174	3.24		114	370	221	149		0	-26	24	219	285	168	208	34	10			
537+50.00	290	116	174	3.24		116	365	216	149		0	-26	24	214	279	160	208	34	10			
538+00.00	294	120	174	3.24		120	363	214	149		0	-26	24	212	276	152	208	34	10			
538+50.00	295	121	174	3.24		121	359	211	149		0	-26	24	209	271	147	208	34	10			
539+00.00	291	117	174	3.24		117	357	208	149		0	-26	24	206	268	148	208	34	10			
539+50.00	290	116	174	3.24		116	357	209	149		0	-26	24	207	269	149	208	34	10			
540+00.00	281	107	174	3.24		107	358	209	149		0	-26	24	207	269	159	208	34	10			
540+50.00	269	95	174	3.24		95	360	211	149		0	-26	24	209	272	173	208	34	10			
541+00.00	270	96	174	3.24		96	355	206	149		0	-26	24	204	266	167	208	34	10			
541+50.00	279	105	174	3.24		105	341	193	149		0	-26	24	191	248	139	208	34	10			
542+00.00	298	124	174	3.24		124	322	173	149		0	-26	24	171	222	95	208	34	10			
542+50.00	318	144	174	3.24		144	302	154	149		0	-26	24	152	197	50	208	34	10			
543+00.00	327	154	174	3.24		154	302	154	149		0	-26	24	152	197	40	208	34	10			
543+50.00	327	153	174	3.24		153	312	163	149		0	-26	24	161	209	53	208	34	10			
544+00.00	310	137	174	3.24		137	316	167	149		0	-26	24	165	215	75	208	34	10			
544+50.00	285	111	174	3.24		111	331	182	149		0	-26	24	180	235	120	208	34	10			
545+00.00	261	87	174	3.24		87	353	205	149		0	-26	24	203	264	174	208	34	10			
545+50.00	251	77	174	3.24		77	358	210	149		0	-26	24	208	270	190	208	34	10			
546+00.00	259	85	174	3.24		85	349	200	149		0	-26	24	198	258	169	208	34	10			
546+50.00	273	99	174	3.24		99	341	193	149		0	-26	24	191	248	146	208	34	10			
547+00.00	291	117	174	3.24		117	340	191	149		0	-26	24	189	246	126	208	34	10			
547+50.00	307	133	174	3.24		133	334	186	149		0	-26	24	184	239	102	208	34	10			
548+00.00	322	148	174	3.24		148	330	181	149		0	-26	24	179	233	81	208	34	10			
548+50.00	340	166	174	3.24		166	334	185	149		0	-26	24	183	238	69	208	34	10			
549+00.00	340	166	174	3.24		166	333	184	149		0	-26	24	182	237	67	208	34	10			
549+50.00	329	155	174	3.24		155	334	185	149		0	-26	24	183	239	80	208	34	10			
550+00.00	320	146	174	3.24		146	344	196	149		0	-26	24	194	252	103	208	34	10			
550+50.00	304	130	174	3.24		130	363	214	149		0	-26	24	212	276	142	208	34	10			
551+00.00	295	122	174	3.24		122	381	232	149		0	-26	24	230	299	175	208	34	10			
551+50.00	289	115	174	3.24		115	402	253	149		0	-26	24	251	326	208	208	34	10			
552+00.00	279	105	174	3.24		105	421	272	149		0	-26	24	270	351	243	208	34	10			
552+50.00	266	92	174	3.24		92	432	283	149		0	-26	24	281	366	270	208	34	10			
553+00.00	255	81	174	3.24		81	441	292	149		0	-26	24	291	378	293	208	34	10			
553+50.00	280	106	174	3.24		106	398	249	149		0	-26	24	247	321	212	208	34	10			
554+00.00	302	128	174	3.24		128	342	193	149	485	0	-26	24	676	879	747	208	34	10			
554+50.00	271	98	174	3.24		98	365	216	149		0	-26	24	214	278	178	208	34	10			
555+00.00	251	77	174	3.24		77	383	235	149		0	-26	24	233	302	222	208	34	10			
555+50.00	274	100	174	3.24		100	351	203	149		0	-26	24	201	261	157	208	34	10			
556+00.00	303	129	174	3.24		129	325	176	149		0	-26	24	174	227	94	208	34	10			
556+50.00	313	139	174	3.24		139	321	172	149		0	-26	24	170	221	79	208	34	10			
557+00.00	305	131	174	3.24		131	322	174	149		0	-26	24	172	223	89	208	34	10			
557+50.00	277	103	174	3.24		103	327	179	149		0	-26	24	177	230	123	208	34	10			
558+00.00	253	79	174	3.24		79	336	188	149		0	-26	24	186	241	159	208	34	10			
558+50.00	244	70	174	3.24		70	340	192	149		0	-26	24	190	247	173	208	34	10			
559+00.00	239	66	174	3.24		66	337	188	149		0	-26	24	186	242	173	208	34	10			
559+50.00	248	75	174	3.24		75	325	176	149		0	-26	24	174	227	149	208	34	10			
560+00.00	267	93	174	3.24		93	307	158	149		0	-26	24	156	203	107	208	34	10			
560+50.00	304	130	174	3.24		130	278	129	149		0	-26	24	128	166	32	208	34	10			
561+00.00	343	169	174	3.24		169	248	100	149		0	-26	24	98	127	-45	208	34	10			
561+50.00	366	192	174	3.24		192	240	91	149		0	-26	24	89	116	-79	208	34	10			
562+00.00	355	181	174	3.24		181	249	100	149		0	-26	24	98	127	-57	208	34	10			
562+50.00	330	156	174	3.24		156	256	107	149		0	-26	24	105	137	-22	208	34	10			
563+00.00	315	141	174	3.24		141	267	118	149		0	-26	24	116	151	7	208	34	10			
563+50.00	288	114	174	3.24		114	297	149	149		0	-26	24	147	191	74	208	34	10			
564+00.00	267	93	174	3.24		93	331	182	149		0	-26	24	181	235	139	208	34	10			
564+50.00	258	84	174	3.24		84	354															

**TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS**

	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]	
	Total Cut Unadjusted yd³	Class 10 Cut Unadjusted yd³	Topsoil Strip yd³	Class 13 Cut for Pavement Widening yd³	Extra Cut for Subbase yd³	Total Adjusted Class 10 Cut yd³	Total Fill Unadjusted yd³	Class 10 fill Unadjusted yd³	Topsoil Spread yd³	Pavement Removal Overdepth yd²	Entrance Fill Adjustments yd³	Pavement, Modified Subbase, and Granular Shoulder Volume yd³	Make up Topsoil Shortfall (Short/TS Shrink Fac.) yd³	Total Class 10 Fill yd³	Total Class 10 with Weighted Ave. 1.3 Shrink Factor yd³	Contractor Prov. Borrow (Cl. 10 Fill w/ Shrink less Adj. Cl. 10 Cut & Cl. 13)	Topsoil Spread with 1.4 Shrink Factor yd³	Topsoil Shortfall Spread w/ Shrink minus Strip yd³	Topsoil Spread Thickness inches				
	114,450	47,305	67,145	1,276.56	67	47,372	138,225	81,070	57,155	2	8,993	-10,645	9,195	88,615	115,199	66,551							
568+50.00	312	139	174	3.24		139	324	175	149		0	-26	24	173	225	83	208	34	10				
569+00.00	324	150	174	3.24		150	304	155	149		0	-26	24	153	199	46	208	34	10				
569+50.00	316	142	174	3.24		142	297	149	149		0	-26	24	147	191	45	208	34	10				
570+00.00	305	132	174	3.24		132	296	148	149		0	-26	24	146	190	55	208	34	10				
570+50.00	317	143	174	3.24		143	292	144	149		0	-26	24	142	184	38	208	34	10				
571+00.00	317	143	174	3.24		143	291	142	149		0	-26	24	140	182	36	208	34	10				
571+50.00	325	151	174	3.24		151	292	143	149		0	-26	24	141	183	29	208	34	10				
572+00.00	335	161	174	3.24		161	301	152	149		0	-26	24	150	195	31	208	34	10				
572+50.00	323	149	174	3.24		149	313	164	149		0	-26	24	162	211	58	208	34	10				
573+00.00	302	128	174	3.24		128	328	180	149		0	-26	24	178	231	100	208	34	10				
573+50.00	297	123	174	3.24		123	316	168	149		288	-26	24	454	590	464	208	34	10				
574+00.00	289	115	174	3.24		115	313	164	149		0	-26	24	162	211	93	208	34	10				
574+50.00	277	103	174	3.24		103	369	220	149		0	-26	24	218	283	177	208	34	10				
575+00.00	283	110	174	3.24		110	387	239	149		0	-26	24	237	308	195	208	34	10				
575+50.00	287	113	174	3.24		113	366	218	149		0	-26	24	216	280	164	208	34	10				
576+00.00	295	121	174	3.24		121	362	213	149		0	-26	24	211	275	150	208	34	10				
576+50.00	299	125	174	3.24		125	370	221	149		0	-26	24	219	285	157	208	34	10				
577+00.00	294	120	174	3.24		120	384	235	149		0	-26	24	233	304	180	208	34	10				
577+50.00	289	115	174	3.24		115	408	259	149		0	-26	24	257	334	216	208	34	10				
578+00.00	278	104	174	3.24		104	436	288	149		0	-26	24	286	372	264	208	34	10				
578+50.00	273	99	174	3.24		99	454	305	149		0	-26	24	303	394	292	208	34	10				
579+00.00	279	105	174	3.24		105	452	304	149		0	-26	24	302	392	284	208	34	10				
579+50.00	300	126	174	3.24		126	427	279	149		0	-26	24	277	360	230	208	34	10				
580+00.00	137	137	0	3.24		137	170	170	0		0	-26	0	143	186	46	0	0	#DIV/0!				
580+50.00	372	198	174	3.24		198	199	51	149		0	-26	24	49	63	-138	208	34	10				
581+00.00	373	199	174	3.24		199	208	59	149		0	-26	24	57	74	-128	208	34	10				
581+50.00	305	131	174	3.24		131	247	98	149		0	-26	24	96	125	-9	208	34	10				
582+00.00	319	146	174	3.24		146	242	93	149		0	-26	24	91	118	-31	208	34	10				
582+50.00	328	154	174	3.24		154	235	86	149		0	-26	24	84	110	-47	208	34	10				
583+00.00	313	139	174	3.24		139	232	84	149		0	-26	24	82	106	-37	208	34	10				
583+50.00	311	137	174	3.24		137	230	82	149		0	-26	24	80	104	-36	208	34	10				
584+00.00	319	145	174	3.24		145	234	85	149		0	-26	24	83	108	-40	208	34	10				
584+50.00	331	157	174	3.24		157	241	93	149		0	-26	24	91	118	-42	208	34	10				
585+00.00	333	159	174	3.24		159	256	107	149		0	-26	24	105	137	-25	208	34	10				
585+50.00	303	129	174	3.24		129	288	139	149		0	-26	24	137	178	46	208	34	10				
586+00.00	245	72	174	3.24		72	334	185	149		0	-26	24	183	238	163	208	34	10				
586+50.00	204	30	174	3.24		30	385	236	149		0	-26	24	234	304	271	208	34	10				
587+00.00	213	39	174	3.24		39	418	269	149		0	-26	24	268	348	306	208	34	10				
587+50.00	229	55	174	3.24		55	442	294	149		0	-26	24	292	379	321	208	34	10				
588+00.00	219	45	174	3.24		45	452	304	149		0	-26	24	302	392	344	208	34	10				
588+50.00	225	51	174	3.24		51	413	264	149		0	-26	24	262	341	287	208	34	10				
589+00.00	241	67	174	3.24		67	372	223	149		0	-26	24	221	287	217	208	34	10				
589+50.00	256	83	174	3.24		83	351	202	149		0	-26	24	200	260	175	208	34	10				
590+00.00	283	109	174	3.24		109	343	193	150	2	0	-26	26	194	253	140	210	36	10				
590+50.00	297	123	174	0.00		123	348	198	150		292	-63	26	453	588	465	210	36	10				
591+00.00	270	96	174	0.00		96	411	261	150		0	-63	26	224	291	195	210	36	10				
591+50.00	314	140	174	0.00		140	358	208	150		0	-63	26	170	221	81	210	36	10				
592+00.00	389	216	174	0.00	67	283	207	57	150		0	-63	26	19	25	-257	210	36	10				
592+50.00	116	116	0	0.00		116	225	225	0		0	-63	0	161	210	94	0	0	#DIV/0!				
593+00.00	14	14	0	0.00	67	81	994	994	0		0	-63	0	930	1,209	1,128	0	0	#DIV/0!				
593+50.00	219	45	174	0.00		45	931	781	150		0	-63	26	743	966	921	210	36	10				
594+00.00	293	120	174	0.00		120	162	12	150		0	-63	26	-26	-34	-153	210	36	10				
594+50.00	271	98	174	0.00		98	301	151	150		0	-63	26	113	147	50	210	36	10				
595+00.00	230	56	174	0.00		56	406	256	150	2	261	-63	26	481	626	570	210	36	10				
595+50.00	255	82	174	3.24		82	365	216	149		0	-26	24	214	278	193	208	34	10				
596+00.00	276	102	174	3.24		102	341	192	149		0	-26	24	191	248	143	208	34	10				
596+50.00	295	121	174	3.24		121	328	179	149		0	-26	24	177	231	106	208	34	10				
597+00.00	290	116	174	3.24		116	325	176															

**TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS**

	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted yd <sup>3</sup>	Class 10 Cut Unadjusted yd <sup>3</sup>	Topsoil Strip yd <sup>3</sup>	Class 13 Cut for Pavement Widening yd <sup>3</sup>	Extra Cut for Subbase yd <sup>3</sup>	Total Adjusted Class 10 Cut yd <sup>3</sup>	Total Fill Unadjusted yd <sup>3</sup>	Class 10 fill Unadjusted yd <sup>3</sup>	Topsoil Spread yd <sup>3</sup>	Pavement Removal Overdepth yd <sup>2</sup>	Entrance Fill Adjustments yd <sup>3</sup>	Pavement, Modified Subbase, and Granular Shoulder Volume yd <sup>3</sup>	Make up Topsoil Shortfall (Short/TS Shrink Fac.) yd <sup>3</sup>	Total Class 10 Fill yd <sup>3</sup>	Total Class 10 with Weighted Ave. 1.3 Shrink Factor yd <sup>3</sup>	Contractor Prov. Borrow (Cl. 10 Fill w/ Shrink less Adj. Cl. 10 Cut & Cl. 13)	Topsoil Spread with 1.4 Shrink Factor yd <sup>3</sup>	Topsoil Shortfall Spread w/ Shrink minus Strip yd <sup>3</sup>	Topsoil Spread Thickness inches			
	133,128	55,030	78,098	1,458.00	201	55,231	160,820	94,289	66,531	6	10,051	-12,757	10,747	102,335	133,036	76,347						
601+50.00	341	168	174	3.24		168	326	177	149		0	-26	24	175	228	57	208	34	10			
602+00.00	343	169	174	3.24		169	320	171	149		0	-26	24	169	220	47	208	34	10			
602+50.00	329	155	174	3.24		155	318	169	149		0	-26	24	167	217	58	208	34	10			
603+00.00	329	156	174	3.24		156	316	167	149		0	-26	24	165	215	56	208	34	10			
603+50.00	328	154	174	3.24		154	314	165	149		0	-26	24	163	212	55	208	34	10			
604+00.00	310	136	174	3.24		136	326	177	149		0	-26	24	175	228	88	208	34	10			
604+50.00	297	123	174	3.24		123	345	196	149		0	-26	24	194	253	126	208	34	10			
605+00.00	277	104	174	3.24		104	364	216	149		0	-26	24	214	278	171	208	34	10			
605+50.00	256	82	174	3.24		82	375	226	149		0	-26	24	224	292	206	208	34	10			
606+00.00	254	80	174	3.24		80	368	220	149		0	-26	24	218	283	200	208	34	10			
606+50.00	252	78	174	3.24		78	356	208	149		0	-26	24	206	268	186	208	34	10			
607+00.00	259	85	174	3.24		85	329	180	149		300	-26	24	479	622	534	208	34	10			
607+50.00	260	87	174	3.24		87	331	183	149		0	-26	24	181	235	145	208	34	10			
608+00.00	254	80	174	3.24		80	347	198	149		0	-26	24	196	255	172	208	34	10			
608+50.00	264	90	174	3.24		90	331	183	149		0	-26	24	181	235	141	208	34	10			
609+00.00	272	98	174	3.24		98	325	176	149		0	-26	24	174	227	126	208	34	10			
609+50.00	264	90	174	3.24		90	329	180	149		0	-26	24	178	232	139	208	34	10			
610+00.00	245	71	174	3.24		71	360	211	149		0	-26	24	209	272	198	208	34	10			
610+50.00	239	66	174	3.24		66	373	225	149		0	-26	24	223	289	220	208	34	10			
611+00.00	259	85	174	3.24		85	344	196	149		0	-26	24	194	252	163	208	34	10			
611+50.00	288	114	174	3.24		114	322	173	149		0	-26	24	171	222	105	208	34	10			
612+00.00	316	143	174	3.24		143	309	161	149		0	-26	24	159	206	60	208	34	10			
612+50.00	346	172	174	3.24		172	304	155	149		0	-26	24	154	200	25	208	34	10			
613+00.00	361	187	174	3.24		187	298	149	149		0	-26	24	147	191	1	208	34	10			
613+50.00	369	195	174	3.24		195	290	142	149		0	-26	24	140	182	-17	208	34	10			
614+00.00	366	193	174	3.24		193	298	150	149		0	-26	24	148	192	-4	208	34	10			
614+50.00	348	174	174	3.24		174	312	164	149		0	-26	24	162	210	33	208	34	10			
615+00.00	321	147	174	3.24		147	327	178	149		0	-26	24	176	229	79	208	34	10			
615+50.00	296	122	174	3.24		122	347	198	149		0	-26	24	197	255	131	208	34	10			
616+00.00	288	115	174	3.24		115	354	205	149		0	-26	24	203	264	147	208	34	10			
616+50.00	288	114	174	3.24		114	364	215	149		0	-26	24	213	277	160	208	34	10			
617+00.00	294	120	174	3.24		120	371	223	149		0	-26	24	221	287	163	208	34	10			
617+50.00	306	132	174	3.24		132	358	210	149		0	-26	24	208	270	135	208	34	10			
618+00.00	314	141	174	3.24		141	346	197	149		0	-26	24	195	254	110	208	34	10			
618+50.00	339	165	174	3.24		165	314	165	149		0	-26	24	163	212	44	208	34	10			
619+00.00	378	204	174	3.24		204	306	157	149		0	-26	24	155	202	-5	208	34	10			
619+50.00	389	215	174	3.24		215	323	175	149		0	-26	24	173	225	7	208	34	10			
620+00.00	402	228	174	3.24		228	291	142	149		392	-26	24	532	692	460	208	34	10			
620+50.00	362	188	174	3.24		188	300	152	149		0	-26	24	150	195	3	208	34	10			
621+00.00	289	115	174	3.24		115	353	204	149		0	-26	24	202	263	144	208	34	10			
621+50.00	276	102	174	3.24		102	365	217	149		0	-26	24	215	279	174	208	34	10			
622+00.00	277	103	174	3.24		103	377	228	149		0	-26	24	227	294	188	208	34	10			
622+50.00	284	110	174	3.24		110	386	237	149		0	-26	24	235	306	192	208	34	10			
623+00.00	296	122	174	3.24		122	380	231	149		0	-26	24	229	298	173	208	34	10			
623+50.00	303	129	174	3.24		129	374	225	149		0	-26	24	223	290	158	208	34	10			
624+00.00	313	139	174	3.24		139	368	219	149		0	-26	24	218	283	141	208	34	10			
624+50.00	335	161	174	3.24		161	367	218	149		0	-26	24	216	281	117	208	34	10			
625+00.00	371	197	174	3.24		197	332	183	149		473	-26	24	654	850	650	208	34	10			
625+50.00	362	189	174	3.24		189	318	169	149		0	-26	24	167	217	25	208	34	10			
626+00.00	329	155	174	3.24		155	377	228	149		0	-26	24	226	294	135	208	34	10			
626+50.00	327	153	174	3.24		153	410	262	149		0	-26	24	260	338	181	208	34	10			
627+00.00	332	158	174	3.24		158	394	245	149		0	-26	24	244	317	156	208	34	10			
627+50.00	348	174	174	3.24		174	369	221	149		0	-26	24	219	285	107	208	34	10			
628+00.00	358	184	174	3.24		184	353	204	149		0	-26	24	202	263	76	208	34	10			
628+50.00	353	179	174	3.24		179	336	187	149		0	-26	24	186	241	59	208	34	10			
629+00.00	340	167	174	3.24		167	330	181	149		0	-26	24	179	233	63	208	34	10			
629+50.00	310	136	174	3.24		136	335	186	149		0	-26	24	184	239	100	208	34	10			
630+00.00	276	103	174	3.24		103	339	190	149		0	-26	24	188	245	139	208	34	10			
630+50.00	259	85	174	3.24																		