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Mar-25-2011 03:51:37PM

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CONTRACT NO. 72667

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	69-3(3HB)	MORGAN	793	4
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

80% FEDERAL 20% STATE
CONSTRUCTION AND SAFETY TYPE CODE

CODE NO.	ITEM	SP. PROV.	UNIT	TOTAL QUANTITIES	CONSTRUCTION AND SAFETY TYPE CODE													
					0001 ROADWAY	0008 STRUCTURE												
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)		UNIT	299	299													
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)		UNIT	534	534													
20100500	TREE REMOVAL, ACRES		ACRE	18.9	18.9													
20200100	EARTH EXCAVATION	.	CU YD	647,963	647,963													
20200200	ROCK EXCAVATION		CU YD	100	100													
20200500	EARTH EXCAVATION (WIDENING)	.	CU YD	130	130													
20400800	FURNISHED EXCAVATION		CU YD	436,880	436,880													
20700220	POROUS GRANULAR EMBANKMENT		CU YD	40	40													
20800150	TRENCH BACKFILL		CU YD	4665	4665													
21101615	TOPSOIL FURNISH AND PLACE, 4"		SO YD	877140	877140													
21400100	GRADING AND SHAPING DITCHES	.	FOOT	500	500													
* 25000200	SEEDING, CLASS 2		ACRE	230	230													
* 25000350	SEEDING, CLASS 7		ACRE	40	40													
* 25000400	NITROGEN FERTILIZER NUTRIENT		POUND	20700	20700													
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT		POUND	20700	20700													
* 25000600	POTASSIUM FERTILIZER NUTRIENT		POUND	20700	20700													
* 25000700	AGRICULTURAL GROUND LIMESTONE		TON	460	460													
* 25003200	INTERSEEDING, CLASS 2		ACRE	10	10													
* 25100115	MULCH, METHOD 2		ACRE	270	270													
* 25100635	HEAVY DUTY EROSION CONTROL BLANKET		SO YD	7197	7197													
28000200	EARTH EXCAVATION FOR EROSION CONTROL		CU YD	1000	1000													
28000250	TEMPORARY EROSION CONTROL SEEDING		POUND	75000	75000													
28000400	PERIMETER EROSION BARRIER		FOOT	7000	7000													
28000500	INLET AND PIPE PROTECTION		EACH	80	80													
28001000	AGGREGATE (EROSION CONTROL)		TON	1500	1500													
28100707	STONE DUMPED RIPRAP, CLASS A4	.	SQ YD	19885	19885													
28100709	STONE DUMPED RIPRAP, CLASS A5	.	SQ YD	426	426													

*SPECIALTY ITEM

△ REVISIED 6-6-11

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
FAP 310 (US 67/IL 104)
SHEET 1 OF 13

DATE 10/2010
DRAWN BY B G J
CHECKED BY E B B

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CONTRACT NO. 72667

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	69-3(3HB)	MORGAN	793	16
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

80% FEDERAL 20% STATE
CONSTRUCTION AND SAFETY TYPE CODE

CODE NO.	ITEM	SP. PROV.	UNIT	TOTAL QUANTITIES	CONSTRUCTION AND SAFETY TYPE CODE						
					0001 ROADWAY	0008 STRUCTURE					
X0327009	REMOVE SIGN (SPECIAL)	.	EACH	8	8						
X0358300	REMOVE AND RELAY END SECTIONS	.	EACH	2	2						
X2020500	EARTH EXCAVATION (ROCKFILL)	.	CU YD	4300	4300						
X2070304	POROUS GRANULAR EMBANKMENT, SPECIAL	.	CU YD	322.3		322.3					
X2503000	MAINTENANCE MOWING	.	ACRE	160	160						
X2810208	STONE RIPRAP, CLASS A4 (SPECIAL)	.	TON	1799	1799						
X2810210	STONE RIPRAP, CLASS A5 (SPECIAL)	.	TON	1391	1391						
X5015225	PIPE CULVERT REMOVAL (SPECIAL)	.	FOOT	81	81						
X5428800	CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS	.	CU YD	75.2	75.2						
X6060424	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-4.24	.	FOOT	440	440						
X6063600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24	.	FOOT	51	51						
X6064201	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.06	.	FOOT	2243	2243						
X6065701	CONCRETE MEDIAN, TYPE SM-4.06	.	SQ FT	4654	4654						
X7240205	REMOVE SIGN COMPLETE	.	EACH	30	30						
* X7800620	URETHANE PAVEMENT MARKING - LINE 5"	.	FOOT	270604	270604						
* X7800630	URETHANE PAVEMENT MARKING - LINE 6"	.	FOOT	10968	10968						
* X7800640	URETHANE PAVEMENT MARKING - LINE 8"	.	FOOT	3978	3978						
* X7800650	URETHANE PAVEMENT MARKING - LINE 12"	.	FOOT	2004	2004						
* 66900105	UNDERGROUND STORAGE TANK REMOVAL	.	EACH	1	1						
* 66900200	NON-SPECIAL WASTE DISPOSAL	.	CU YD	15,700	15,700						
* 66900400	SPECIAL WASTE GROUNDWATER DISPOSAL	.	GAL	100,000	100,000						
* 66900450	SPECIAL WASTE PLANS AND REPORTS	.	L SUM	1	1						
* 66900530	SOIL DISPOSAL ANALYSIS	.	EACH	4	4						

* SPECIALTY ITEM

⚠ REVISION 6-6-11

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
FAP 310 (US 67/IL 104)
SHEET 13 OF 13
DRAWN BY: B6J
CHECKED BY: EBB
DATE: 10/2010

SECTION 69-3(3HB)

MORGAN COUNTY

\$FILES

Jun-07-2011 10:34:00AM \$FILE\$

EARTH EXCAVATION SCHEDULE

LOCATION STATION TO STATION	1	2	3	4	5	6	7	8	9	10	
	THEORETICAL CUT	TOPSOIL 4" CUT	ADJUSTMENT 4" FILL	4" TOPSOIL PLACEMENT SO YD	ADJUSTED EARTHWORK CUT FILL FILL X 1.25			EXCESS (BORROW) CU YD	CUMULATIVE EXCESS (BORROW)	FURNISHED EXCAVATION	
	CU YD	CU YD	CU YD	SO YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	
STAGE I											
FAP 310 (US 67)											
800+00	815+00	3221	418	328	6714	3639	5578	6973	(3334)	(3334)	2667
815+00	830+00	4250	1291	947	20142	5541	24455	30569	(25028)	(28362)	20022
TEMPORARY ACCESS ROAD											
0+00	30+15	2553	0	0	0	2553	1628	2035	518	518	(414)
US 67 FRONTAGE ROAD (CONCORD)											
9+50	51+53	19148	2762	1418	37620	21910	30642	38303	(16393)	(16393)	13114
NEW STREET											
300+12	313+35	3990	425	23	4032	4415	607	759	3656	3656	(2925)
RELOCATED CYLINDER HEAD ROAD											
93+83	106+25	5513	733	200	8397	6246	968	1210	5036	5036	(4029)
OLD CYLINDER HEAD ROAD											
0+00	3+00	1046	175	68	2187	1221	197	246	975	975	(780)
GILLILAND ROAD CONNECTOR											
10+00	11+30	238	20	0	180	258	0	0	258	258	(206)
SWALE 25											
0+00	2+50	225	0	0	0	225	0	0	225	225	(180)
SWALE 9655											
0+00	3+65	211	0	0	0	211	22	28	183	183	(147)
SUBTOTAL STAGE I											
		40395	5824	2984	79272	46219	64097	80123	(33904)		27122
STAGE II											
FAP 310 (US 67)											
770+00	785+00	131	6	39	405	137	39	49	88	88	(71)
785+00	800+00	5570	763	720	13347	6333	8255	10319	(3986)	(3986)	3189
800+00	830+00	13380	2849	1812	41949	16229	24575	30719	(14490)	(18388)	11592
830+00	845+00	5865	1209	1538	24723	7074	27547	34434	(27360)	(45748)	21888
845+00	860+00	11962	1838	1292	28170	13800	22243	27804	(14004)	(59752)	11203
860+00	875+00	38357	2374	1121	31455	40731	31231	39039	1692	(58060)	(1354)
875+00	890+00	55949	2697	777	31266	58646	11666	14583	44063	(13997)	(35251)
890+00	905+00	51048	3625	493	37062	54673	4200	5250	49423	35426	(39538)
905+00	920+00	30999	3250	343	32337	34249	1906	2383	31866	67292	(25493)
920+00	935+00	23286	2132	1149	29529	25418	22792	28490	(3072)	64220	2458
935+00	950+00	6818	1050	1197	20223	7868	22480	28100	(20232)	43988	16186
950+00	965+00	4872	603	715	11862	5475	21817	27271	(21796)	22192	17437
965+00	980+00	653	122	327	4041	775	10006	12508	(11733)	10459	9386
1070+00	1085+00	1996	179	94	2457	2175	1784	2230	(55)	10404	44
1100+00	1115+00	4371	295	15	2790	4666	123	154	4512	14916	(3610)
1115+00	1130+00	5569	672	618	11610	6241	9187	11484	(5243)	9673	4194
1130+00	1145+00	2978	512	379	8019	3490	11428	14285	(10795)	(1122)	8636
TRANSITION A											
970+26	980+28	5242	238	23	2349	5480	3028	3785	1695	1695	(1356)
TRANSITION B											
1104+56	1110+82	21	0	0	0	21	1169	1461	(1440)	(1440)	1152
CONCORD ROAD											
8+03	19+40	3601	596	1507	18927	4197	95287	119109	(114912)	(114912)	91929
20+60	35+00	3862	586	1713	20691	4448	92515	115644	(111196)	(226108)	88957
RAMP A											
1+00	12+70	1045	316	812	10152	1361	29069	36336	(34975)	(34975)	27980
RAMP B											
10+51	18+00	1991	353	491	7596	2344	15219	19024	(16680)	(16680)	13344
RAMP C											
2+00	9+42	1035	219	519	6642	1254	15767	19709	(18455)	(18455)	14764
RAMP D											
8+98	19+00	1102	382	628	9090	1484	19306	24133	(22649)	(22649)	18119
COOPER STREET											
442+65	448+56	1052	184	82	2394	1236	171	214	1022	1022	(818)
RELOCATED CREWS LANE											
52+00	57+03	2363	385	51	3924	2748	240	300	2448	2448	(1958)
ASH STREET											
2+50	4+00	26	0	0	0	26	0	0	26	26	(21)
BETHEL LANE											
72+70	74+65	179	10	0	90	189	0	0	189	189	(151)
81+25	92+00	2185	514	141	5895	2699	2056	2570	129	318	(103)
SERVICE DRIVE 91											
591+50	593+85	453	111	11	1098	564	59	74	490	490	(392)
US 67 FRONTAGE ROAD (BETHEL)											
510+50	523+00	1993	371	83	4086	2364	1228	1535	829	829	(663)
RELOCATED CYLINDER HEAD ROAD											
106+25	109+25	661	104	4	972	765	26	33	732	732	(586)
DUTCH LANE WEST											
194+41	198+70	1337	109	109	1962	1446	2537	3171	(1725)	(1725)	1380
SWALE 851											
0+00	1+72	168	0	0	0	168	0	0	168	168	(134)
SWALE 922											
0+00	4+52	832	0	0	0	832	0	0	832	832	(666)
SUBTOTAL STAGE II											
		292952	28654	18803	427113	321606	508956	636200	(314594)		251673

CONTRACT NO. 72667				
F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	69-3(3HB)	MORGAN	793	18
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

EARTHWORK NOTES:

A MASS DIAGRAM FOR THE EARTHWORK IS NOT INCLUDED IN THESE PLANS AND WILL NOT BE AVAILABLE TO THE CONTRACTOR UPON REQUEST. THE EARTHWORK SCHEDULE HAS BEEN INCLUDED IN THESE PLANS TO TAKE THE PLACE OF THE NEED FOR A MASS DIAGRAM. THE SCHEDULE GIVES QUANTITIES IN "COLUMN 10" FOR EXCESS EXCAVATION OR BORROW REQUIRED IN EACH SPECIFIED AREA ALONG THE LIMITS OF THE PROJECT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE REQUIRED HAUL DISTANCES AND QUANTITIES FROM THE INFORMATION SHOWN.

THE QUANTITIES SHOWN IN THE SCHEDULE INCLUDE ALL MAINLINE, SIDEROAD, AND ENTRANCE QUANTITIES IN EACH SPECIFIED AREA.

ALL TOPSOIL NECESSARY FOR PLACEMENT ON THIS PROJECT MAY BE TAKEN FROM AREAS WITHIN THE CONSTRUCTION LIMITS, AND ADDITIONAL QUANTITIES FOR FURNISHED EXCAVATION ARE INCLUDED TO REPLACE THIS MATERIAL LOSS. TOPSOIL FURNISH AND PLACE 4" WILL BE MEASURED FOR PAYMENT IN SQUARE YARDS AND BE CONSIDERED AS BEING OBTAINED FROM OUTSIDE THE RIGHT-OF-WAY PER ARTICLE 211.07 OF THE STANDARD SPECIFICATIONS.

SUITABLE EXCAVATED MATERIAL FOR RIPRAP PLACEMENT CAN BE USED AS FURNISHED EXCAVATION, THIS MATERIAL NOT INCLUDED IN THE SCHEDULE AS EXCESS(BORROW).

QUANTITIES FOR THE DEGRADING OF EXISTING CONDITIONS HAVE BEEN INCLUDED IN THE APPROXIMATE STATION RANGE WHERE SUCH DEGRADING TAKES PLACE.

A SHRINKAGE FACTOR OF 20% WAS USED TO DETERMINE THE EXCESS AND BORROW QUANTITIES. SHRINKAGE FACTOR = 1.00/(1.00-0.20) = 1.0/0.80 = 1.25

- COLUMN 4 = (COLUMN 2 + COLUMN 3) x 9
- COLUMN 5 = COLUMN 1 + COLUMN 2
- COLUMN 7 = COLUMN 6 x 1.25 (SHRINKAGE FACTOR)
- COLUMN 8 = COLUMN 5 - COLUMN 7
- COLUMN 10 = COLUMN 6 - (0.80 x COLUMN 5)

EARTHWORK QUANTITIES:

- 20200100 EARTH EXCAVATION = (COLUMN 6) = 643,663 CU YD
- 20400800 FURNISHED EXCAVATION = COLUMN 12 = 436,883 CU YD
- 21101615 TOPSOIL FURNISH AND PLACE, 4" = COLUMN 5 = 877,140 SO YD
- - SEE GEOTECHNICAL SCHEDULE FOR ADDITIONAL QUANTITIES

REVISIED SHEET 6-6-11

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SCHEDULE OF QUANTITIES FAP 310 (US 67/IL 104) SHEET 2 OF 42 DRAWN BY EBB CHECKED BY DATE 10/10

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EARTH EXCAVATION SCHEDULE - CONTINUED

CONTRACT NO. 72667

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	69-3(3HB)	MORGAN	793	19
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

LOCATION STATION TO STATION	1	2	3	4	5	6	7	8	9	10	
	THEORETICAL CUT	TOPSOIL 4" CUT	ADJUSTMENT 4" FILL	4" TOPSOIL PLACEMENT SO YD	ADJUSTED EARTHWORK CUT FILL FILL x 1.25			EXCESS (BORROW) CU YD	CUMULATIVE EXCESS (BORROW)	FURNISHED EXCAVATION	
STAGE III											
FAP 310 (US 67)											
762+00	770+00	485	305	24	2961	790	42	53	737	737	(590)
770+00	785+00	9339	1021	153	10566	10360	340	425	9935	10672	(7948)
785+00	800+00	4842	698	118	7344	5540	362	453	5087	15759	(4070)
815+00	830+00	2803	121	65	1674	2924	1530	1913	1011	16770	(809)
875+00	890+00	1618	319	73	3528	1937	11	14	1923	18693	(1539)
890+00	905+00	377	132	3	1215	509	0	0	509	19202	(407)
935+00	950+00	805	242	372	5526	1047	4270	5338	(4291)	14911	3432
950+00	965+00	1629	423	924	12123	2052	14565	18206	(16154)	(1243)	12923
965+00	980+00	7286	711	588	11691	7997	13208	16510	(8513)	(9756)	6810
980+00	995+00	5089	652	625	11493	5741	13700	17125	(11384)	(21140)	9107
995+00	1010+00	1761	327	772	9891	2088	25513	31891	(29803)	(50943)	23843
1010+00	1025+00	3779	515	767	11538	4294	20291	25364	(21070)	(72013)	16856
1025+00	1040+00	3208	492	507	8991	3700	14298	17873	(14173)	(86186)	11338
1040+00	1055+00	4620	574	389	8667	5194	15174	18968	(13774)	(99960)	11019
1055+00	1070+00	16894	1098	193	11619	17992	4022	5028	12964	(86996)	(10372)
1070+00	1085+00	5453	370	747	10053	5823	22477	28096	(22273)	(109269)	17819
1085+00	1100+00	70203	1645	1108	24777	71848	55183	68979	2869	(106400)	(2295)
1100+00	1115+00	6073	620	879	13491	6693	25464	31830	(25137)	(131537)	20110
1115+00	1130+00	4256	1218	833	18459	5474	6531	8164	(2690)	(134227)	2152
1130+00	1145+00	1925	620	695	11835	2545	9367	11709	(9164)	(143391)	7331
TEMPORARY ACCESS ROAD											
0+00	30+15	1628	0	0	0	1628	2553	3191	(1563)	(1563)	1251
CONCORD ROAD											
27+00	37+65	920	427	396	7407	1347	1152	1440	(93)	(93)	74
US 67 FRONTAGE ROAD (CONCORD)											
1+23	12+00	45	79	130	1881	124	410	513	(389)	(389)	311
50+00	54+20	7	3	17	180	10	168	210	(200)	(589)	160
RAMP A											
12+00	12+70	505	78	11	801	583	48	60	523	523	(418)
RAMP C											
2+00	9+42	1456	454	217	6039	1910	569	711	1199	1199	(959)
ASH STREET											
4+00	9+50	21	0	0	0	21	2	3	18	18	(15)
BETHEL LANE											
74+65	78+75	969	200	37	2133	1169	529	661	508	508	(406)
OLD CYLINDER HEAD ROAD											
3+00	9+50	699	149	26	1575	848	79	99	749	749	(599)
GILLILAND ROAD CONNECTOR											
11+30	12+85	570	64	0	576	634	0	0	634	634	(507)
GILLILAND ROAD EXTENSION											
20+75	27+50	714	137	24	1449	851	152	190	661	661	(529)
DUTCH LANE EAST											
138+04	148+80	3946	632	37	6021	4578	411	514	4064	4064	(3251)
HART'S GRAVEL ROAD											
289+67	298+78	4297	295	761	9504	4592	16436	20545	(15953)	(15953)	12762
SUBTOTAL STAGE III											
		168222	14621	11491	235008	182843	268857	336076	(153233)		122584

EARTHWORK NOTES:

A MASS DIAGRAM FOR THE EARTHWORK IS NOT INCLUDED IN THESE PLANS AND WILL NOT BE AVAILABLE TO THE CONTRACTOR UPON REQUEST. THE EARTHWORK SCHEDULE HAS BEEN INCLUDED IN THESE PLANS TO TAKE THE PLACE OF THE NEED FOR A MASS DIAGRAM. THE SCHEDULE GIVES QUANTITIES IN "COLUMN 10" FOR EXCESS EXCAVATION OR BORROW REQUIRED IN EACH SPECIFIED AREA ALONG THE LIMITS OF THE PROJECT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE REQUIRED HAUL DISTANCES AND QUANTITIES FROM THE INFORMATION SHOWN.

THE QUANTITIES SHOWN IN THE SCHEDULE INCLUDE ALL MAINLINE, SIDEROAD, AND ENTRANCE QUANTITIES IN EACH SPECIFIED AREA.

ALL TOPSOIL NECESSARY FOR PLACEMENT ON THIS PROJECT MAY BE TAKEN FROM AREAS WITHIN THE CONSTRUCTION LIMITS, AND ADDITIONAL QUANTITIES FOR FURNISHED EXCAVATION ARE INCLUDED TO REPLACE THIS MATERIAL LOSS. TOPSOIL FURNISH AND PLACE 4" WILL BE MEASURED FOR PAYMENT IN SQUARE YARDS AND BE CONSIDERED AS BEING OBTAINED FROM OUTSIDE THE RIGHT-OF-WAY PER ARTICLE 211.07 OF THE STANDARD SPECIFICATIONS.

SUITABLE EXCAVATED MATERIAL FOR RIPRAP PLACEMENT CAN BE USED AS FURNISHED EXCAVATION. THIS MATERIAL NOT INCLUDED IN THE SCHEDULE AS EXCESS(BORROW).

QUANTITIES FOR THE DEGRADING OF EXISTING CONDITIONS HAVE BEEN INCLUDED IN THE APPROXIMATE STATION RANGE WHERE SUCH DEGRADING TAKES PLACE.

A SHRINKAGE FACTOR OF 20% WAS USED TO DETERMINE THE EXCESS AND BORROW QUANTITIES. SHRINKAGE FACTOR = 1.00/(1.00-0.20) = 1.0/0.80 = 1.25

- COLUMN 4 = (COLUMN 2 + COLUMN 3) x 9
- COLUMN 5 = COLUMN 1 + COLUMN 2
- COLUMN 7 = COLUMN 6 x 1.25 (SHRINKAGE FACTOR)
- COLUMN 8 = COLUMN 5 - COLUMN 7
- COLUMN 10 = COLUMN 6 - (0.80 x COLUMN 5)

EARTHWORK QUANTITIES:

- 20200100 EARTH EXCAVATION = (COLUMN 6) = 643,663 CU YD
- 20400800 FURNISHED EXCAVATION = COLUMN 12 = 436,883 CU YD
- 21101615 TOPSOIL FURNISH AND PLACE, 4" = COLUMN 5 = 877,140 SO YD
- - SEE GEOTECHNICAL SCHEDULE FOR ADDITIONAL QUANTITIES

REVISIED SHEET 6-6-11

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SCHEDULE OF QUANTITIES FAP 310 (US 67/IL 104) SHEET 3 OF 42

DATE 10/10
DRAWN BY EBB
CHECKED BY

SECTION 69-3(3HB)

MORGAN COUNTY

10:34:34 AM
Jun-07-2011 10:34:34 AM
\$FILE\$

CONTRACT NO. 72667

F.A.P. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310 69-3(3B)	MORGAN	793	20
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

EARTH EXCAVATION SCHEDULE - CONTINUED

LOCATION STATION TO STATION	1	2	3	4	5	6	7	8	9	10
	THEORETICAL CUT	TOPSOIL 4" CUT	ADJUSTMENT 4" FILL	4" TOPSOIL PLACEMENT	ADJUSTED EARTHWORK CUT FILL FILL x 1.25			EXCESS (BORROW)	CUMULATIVE EXCESS (BORROW)	FURNISHED EXCAVATION
	CU YD		SO YD		CU YD					
STAGE IV										
FAP 310 (US 67)										
875+00 890+00	0	14	49	567	14	69	86	(72)	(72)	58
890+00 905+00	38	35	0	315	73	0	0	73	1	(58)
905+00 920+00	0	13	0	117	13	0	0	13	14	(10)
935+00 950+00	12	7	7	126	19	9	11	8	22	(6)
965+00 980+00	67	6	497	4527	73	8446	10558	(10485)	(10463)	8388
980+00 995+00	5560	763	682	13005	6323	14037	17546	(11223)	(21686)	8979
995+00 1010+00	1899	458	992	13050	2357	15534	19418	(17061)	(38747)	13648
1010+00 1025+00	6069	748	966	15426	6817	18522	23153	(16336)	(55083)	13068
1025+00 1040+00	4709	609	887	13464	5318	19270	24088	(18770)	(73853)	15016
1040+00 1055+00	2005	359	1047	12654	2364	13183	16479	(14115)	(87968)	11292
1055+00 1070+00	4836	591	973	14076	5427	7932	9915	(4488)	(92456)	3590
1070+00 1085+00	7835	872	386	11322	8707	5157	6446	2261	(90195)	(1809)
1085+00 1100+00	16534	868	304	10548	17402	2554	3193	14209	(75986)	(11368)
1100+00 1115+00	17700	1046	34	9720	18746	10	13	18733	(57253)	(14987)
US 67 FRONTAGE ROAD (BETHEL)										
520+00 524+68	39	25	11	324	64	94	118	(54)	(54)	43
ST. PAUL'S CHURCH ROAD										
121+27 127+83	3073	346	46	3528	3419	260	325	3094	3094	(2475)
SERVICE DRIVE 92										
600+50 603+76	426	61	31	828	487	113	141	346	346	(277)
DUTCH LANE WEST										
201+29 211+50	13064	898	346	11196	13962	4597	5746	8216	8216	(6573)
PRIVATE DRIVE 81A										
100+50 103+88	330	99	7	954	429	1	1	428	428	(342)
SUBTOTAL STAGE IV	84196	7818	7265	135747	92014	109788	137237	(45223)		36177
STAGE V										
FAP 310 (US 67)										
920+00 935+00	345	0	0	0	345	43	54	291	291	(233)
935+00 950+00	391	0	0	0	391	69	86	305	596	(244)
1070+00 1085+00	245	0	0	0	245	0	0	245	841	(196)
SUBTOTAL STAGE V	981	0	0	0	981	112	140	841		(673)
PROJECT TOTALS	586746	56917	40543	877140	643663	951810	1189776	(546113)		436883

EARTHWORK NOTES:

A MASS DIAGRAM FOR THE EARTHWORK IS NOT INCLUDED IN THESE PLANS AND WILL NOT BE AVAILABLE TO THE CONTRACTOR UPON REQUEST. THE EARTHWORK SCHEDULE HAS BEEN INCLUDED IN THESE PLANS TO TAKE THE PLACE OF THE NEED FOR A MASS DIAGRAM. THE SCHEDULE GIVES QUANTITIES IN "COLUMN 10" FOR EXCESS EXCAVATION OR BORROW REQUIRED IN EACH SPECIFIED AREA ALONG THE LIMITS OF THE PROJECT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE REQUIRED HAUL DISTANCES AND QUANTITIES FROM THE INFORMATION SHOWN.

THE QUANTITIES SHOWN IN THE SCHEDULE INCLUDE ALL MAINLINE, SIDEROAD, AND ENTRANCE QUANTITIES IN EACH SPECIFIED AREA.

ALL TOPSOIL NECESSARY FOR PLACEMENT ON THIS PROJECT MAY BE TAKEN FROM AREAS WITHIN THE CONSTRUCTION LIMITS, AND ADDITIONAL QUANTITIES FOR FURNISHED EXCAVATION ARE INCLUDED TO REPLACE THIS MATERIAL LOSS. TOPSOIL FURNISH AND PLACE 4" WILL BE MEASURED FOR PAYMENT IN SQUARE YARDS AND BE CONSIDERED AS BEING OBTAINED FROM OUTSIDE THE RIGHT-OF-WAY PER ARTICLE 211.07 OF THE STANDARD SPECIFICATIONS.

SUITABLE EXCAVATED MATERIAL FOR RIPRAP PLACEMENT CAN BE USED AS FURNISHED EXCAVATION. THIS MATERIAL NOT INCLUDED IN THE SCHEDULE AS EXCESS(BORROW).

QUANTITIES FOR THE DEGRADING OF EXISTING CONDITIONS HAVE BEEN INCLUDED IN THE APPROXIMATE STATION RANGE WHERE SUCH DEGRADING TAKES PLACE.

A SHRINKAGE FACTOR OF 20% WAS USED TO DETERMINE THE EXCESS AND BORROW QUANTITIES. SHRINKAGE FACTOR = 1.00/(1.00-0.20) = 1.0/0.80 = 1.25

- COLUMN 4 = (COLUMN 2 + COLUMN 3) x 9
- COLUMN 5 = COLUMN 1 + COLUMN 2
- COLUMN 7 = COLUMN 6 x 1.25 (SHRINKAGE FACTOR)
- COLUMN 8 = COLUMN 5 - COLUMN 7
- COLUMN 10 = COLUMN 6 - (0.80 x COLUMN 5)

EARTHWORK QUANTITIES:

- 20200100 EARTH EXCAVATION = (COLUMN 6) = 643,663 CU YD *
- 20400800 FURNISHED EXCAVATION = COLUMN 12 = 436,883 CU YD
- 21101615 TOPSOIL FURNISH AND PLACE, 4" = COLUMN 5 = 877,140 SO YD
- * - SEE GEOTECHNICAL SCHEDULE FOR ADDITIONAL QUANTITIES

EARTH EXCAVATION (WIDENING)

STATION TO STATION	SIDE	SO YD	DEPTH	CU YD
CONCORD ROAD				
33+39.0 34+84.0	LT	32.2	8.0	7.2
33+39.0 34+84.0	RT	32.2	8.0	7.2
COOPER STREET				
442+65.0 446+00.0	LT	79.2	9.0	19.8
444+71.2 447+38.1	RT	199.3	9.0	49.8
446+12.8 447+81.5	LT	21.3	9.0	5.3
ASH STREET				
8+73.1 9+87.6	LT	92.0	9.0	23.0
9+17.5 9+87.6	RT	67.3	9.0	16.8
TOTAL				129.1
USE				130

▲ REVISED SHEET 6-6-11

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SCHEDULE OF QUANTITIES FAP 310 (US 67/IL 104) SHEET 4 OF 42
DATE 10/10		DRAWN BY EBB CHECKED BY

SECTION 69-3(3B)

MORGAN COUNTY