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 Jun-07-2011 10:34:34 AM
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CONTRACT NO. 72667

F.A.P. DIST.	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)	(65083)	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
33+39.0	34+84.0	RT	32.2	8.0
COOPER STREET				
442+65.0	446+00.0	LT	79.2	9.0
444+71.2	447+38.1	RT	199.3	9.0
446+12.8	447+81.5	LT	21.3	9.0
ASH STREET				
8+73.1	9+87.6	LT	92.0	9.0
9+17.5	9+87.6	RT	67.3	9.0
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 DRAWN BY EBB CHECKED BY DATE 10/10

SECTION 69-3(3B)

MORGAN COUNTY