

CONTRACT NO. 95423

SUMMARY OF QUANTITIES			
CODE NO	ITEM	CONSTRUCTION CODE X181	
		UNIT	QUANTITY
20100500	TREE REMOVAL, ACRES	ACRE	0.4
20200100	EARTH EXCAVATION	CU YD	280
20200200	ROCK EXCAVATION	CU YD	8.6
20400800	FURNISHED EXCAVATION	CU YD	21,540
25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	2.5
28000300	TEMPORARY DITCH CHECKS	EACH	8
28000400	PERIMETER EROSION BARRIER	FOOT	1,500
28100807	STONE DUMPED RIPRAP, CLASS A4	TON	500
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	1,070
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50200100	STRUCTURE EXCAVATION	CU YD	200
50300225	CONCRETE STRUCTURES	CU YD	144.8
50400405	PRECAST PRESTRESSED CONCRETE DECK BEAMS (21" DEPTH)	SQ FT	3,996
50500505	STUD SHEAR CONNECTORS	EACH	16
50800105	REINFORCEMENT BARS	POUND	31,810
50900205	STEEL RAILING, TYPE S1	FOOT	306
51201400	FURNISHING STEEL PILES HP10X42	FOOT	210
51202700	DRIVING STEEL PILES	FOOT	210
51203400	TEST PILE STEEL HP10X42	EACH	1
51204315	CONCRETE ENCASEMENT	CU YD	2.0
51500100	NAME PLATES	EACH	1
54200220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	142
54201921	PIPE CULVERTS, CLASS D, TYPE 3 36"	FOOT	64
54390230	INSERTION CULVERT LINER, 36"	FOOT	140
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	4
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (TANGENT)	EACH	4
67100100	MOBILIZATION	L. SUM	1
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
Z0013825	CONTROLLED LOW STRENGTH MATERIAL	CU YD	35
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L. SUM	1

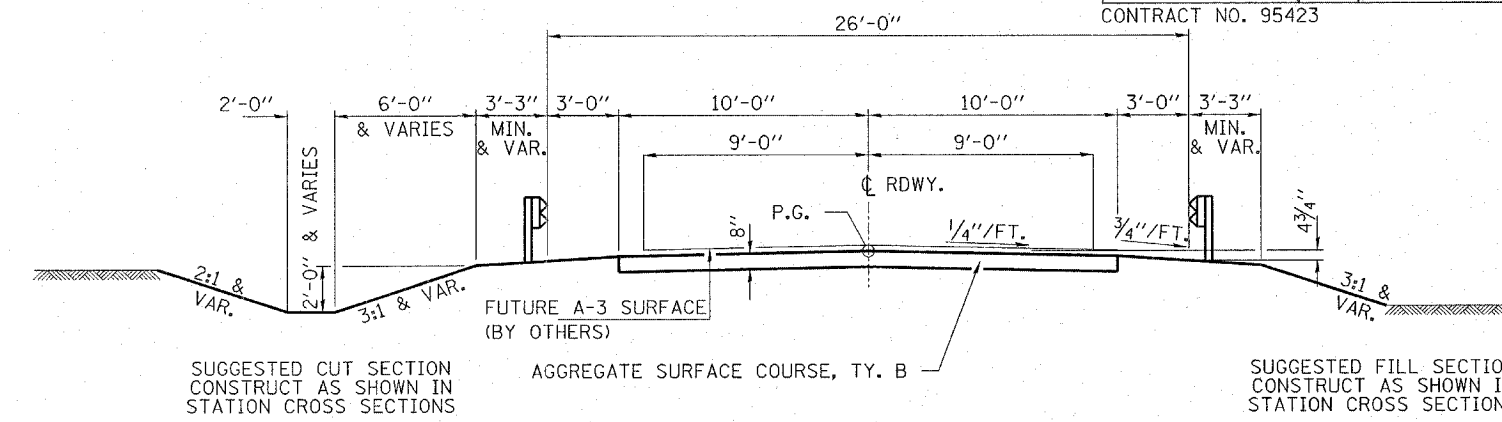
> SEE SPECIAL PROVISIONS

GENERAL NOTES:

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2002," THESE PLANS AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.
- ALL CLEARING AND GRUBBING AND REMOVAL OF EXISTING DRAINAGE STRUCTURES SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. THE REMOVAL OF THE EXISTING AGGREGATE BASE COURSE AND A-2 SURFACE WILL BE PAID FOR AS EARTH EXCAVATION. ALL BITUMINOUS MATERIAL SHALL BE PROPERLY DISPOSED OF AS APPROVED BY THE ENGINEER
- THE LOCATIONS OF EXISTING ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THE LOCATIONS ARE NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE INDIVIDUAL UTILITY COMPANIES AND BY FIELD INSPECTION.
- THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS UNTIL THE OWNER, HIS AGENT, PROFESSIONAL LAND SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- THE REVISION NUMBER INDICATED FOR THE STANDARDS LISTED IN THE INDEX OF SHEETS SHALL BE USED IN THE CONSTRUCTION OF THIS SECTION.
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES
 AGGREGATE BASE CSE. 2.05 TON/CU YD
 RIPRAP SPECIAL 1.75 TON/CU YD
- THE AREA TO BE SEEDED SHALL CONSIST OF ALL EARTH SURFACES DISTURBED DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER. **ESTIMATED QUANTITY: SEEDING, CLASS 2 (SPECIAL) = 1.1 ACRES**
- TREES WITHIN THE RIGHT-OF-WAY WHICH INTERFERE WITH CONSTRUCTION SHALL BE REMOVED ONLY AT THE DIRECTION OF THE ENGINEER. **ESTIMATED QUANTITY: TREE REMOVAL, ACRES = 0.4 ACRES**
- THE CONTRACTOR SHALL CONSULT THE ENGINEER IN REGARD TO THE EXACT LENGTH OF PIPE CULVERTS AND CULVERT INSERTION LINER BEFORE ORDERING THESE ITEMS.

EARTHWORK SCHEDULE						
LOCATION	EARTH EXCAVATION (CU YD)	SHRINKAGE FACTOR	PERCENT USED	AVAILABLE EXCAVATION (CU YD)	EMBANKMENT REQUIRED (CU YD)	EARTHWORK BALANCE (CU YD)
STA. 14+00 TO STA. 19+25.25	17	25%	100%	151	9,375	-9,224
STA. 20+08 TO STA. 26+00	76	25%	100%	-	12,306	-12,249
STRUCTURE EXCAVATION ENTRANCES	200			106	165	-165
TOTAL USE:	33			78	20,022	-21,532
	35					-21,540

* AVAILABLE EXCAVATION = EXC. x (1-SHRINKAGE FACTOR) x % USED (FURN. EXC.)

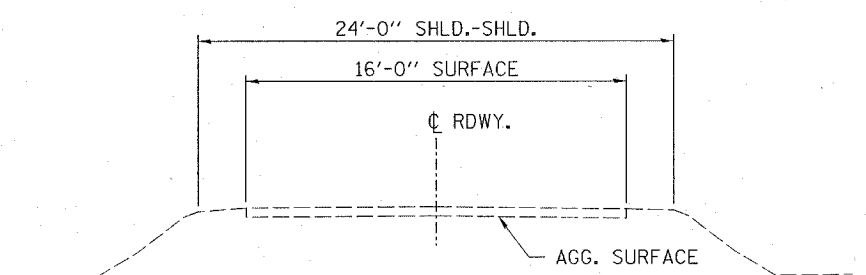


ROAD CLASSIFICATION - LOCAL ROAD 0-250 ADT
 CURRENT ADT 125
 DESIGN SPEED: 30 M.P.H.

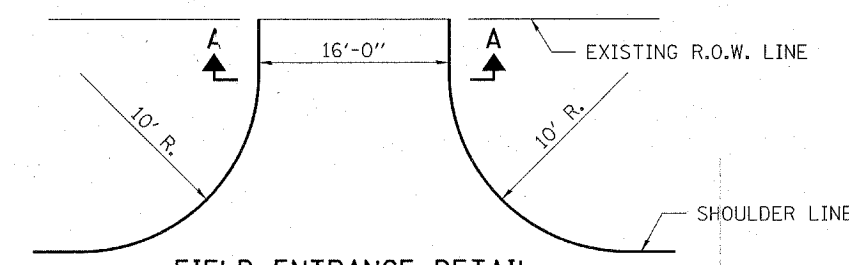
TYPICAL CROSS SECTION

STA. 14+50 TO STA. 19+25.25
 STA. 20+74.75 TO STA. 25+50

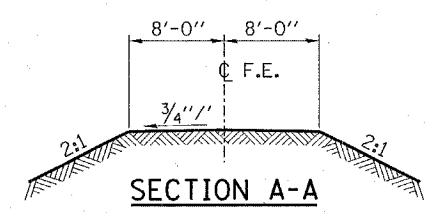
TRANSITION FROM THE PROPOSED ROADWAY TO THE EXISTING ROADWAY IS TO BE CONSTRUCTED FROM STA. 14+00 TO 14+50 AND STA. 25+50 TO 26+00. SEE SHEET 10 FOR TRANSITION AT BRIDGE.



EXISTING CROSS SECTION



FIELD ENTRANCE DETAIL



SECTION A-A

TRAFFIC BARRIER TERMINAL, TYPE 5A	
LOCATION	EACH
RT. STA. 19+09.4 TO STA. 19+22.7	1
LT. STA. 19+11.4 TO STA. 19+24.7	1
RT. STA. 20+75.3 TO STA. 20+88.6	1
LT. STA. 20+77.3 TO STA. 20+90.6	1
TOTAL	4

TRAFFIC BARRIER TERMINAL, TY 1, SPL (TANG)	
LOCATION	EACH
RT. STA. 18+59.4 TO STA. 19+09.4	1
LT. STA. 18+61.4 TO STA. 19+11.4	1
RT. STA. 20+88.6 TO STA. 21+38.6	1
LT. STA. 20+90.6 TO STA. 21+40.6	1
TOTAL	4

HLR
 Rice, Berry and Associates
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 Civil & Structural Engineers
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 217-546-3400
 P.O. Box 1036
 DuQuoin, Illinois 62832
 618-790-4637
 Account Number 12-49-0002-1
 Date: 01/04/06
 DESIGNED: S.W.S. CHECKED: S.W.M. DRAWN: D.T.M.

SUMMARY OF QUANTITIES AND TYPICAL SECTIONS
 SECTION 03-10117-00-BR
 MOORES PRAIRIE ROAD DISTRICT
 JEFFERSON COUNTY