

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R. 505B	06-10118-00-BR	JEFFERSON	18	2
FED. ROAD DIST. NO.	ILLINOIS CONTRACT NO. 99325			

### SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	QUANTITY
20100110	TREE REMOVAL (6-15 UNITS-DIAMETER)	UNIT	175
20200100	EARTH EXCAVATION	CU YD	175
20200200	ROCK EXCAVATION	CU YD	10.0
20400800	FURNISHED EXCAVATION	CU YD	5,145
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	1,000
25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	1.0
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	200
28000400	PERIMETER EROSION BARRIER	FOOT	2,000
28100807	STONE DUMPED RIPRAP, CLASS A4	TON	390
40200100	AGGREGATE SURFACE COURSE, TYPE A	TON	770
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50200100	STRUCTURE EXCAVATION	CU YD	124
50300225	CONCRETE STRUCTURES	CU YD	147.0
50300280	CONCRETE ENCASEMENT	CU YD	2.8
50400405	PRECAST PRESTRESSED CONCRETE DECK BEAMS (21" DEPTH)	SQ FT	3,996
50800105	REINFORCEMENT BARS	POUND	32,510
50900205	STEEL RAILING, TYPE S1	FOOT	305
51201400	FURNISHING STEEL PILES HP10X42	FOOT	176
51202305	DRIVING PILES	FOOT	176
51500100	NAME PLATES	EACH	1
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	35
* 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
> X0321781	MECHANICAL SPLICE	EACH	192
> Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1

SEE SPECIAL PROVISIONS  
\* SPECIALTY ITEMS

### GENERAL NOTES

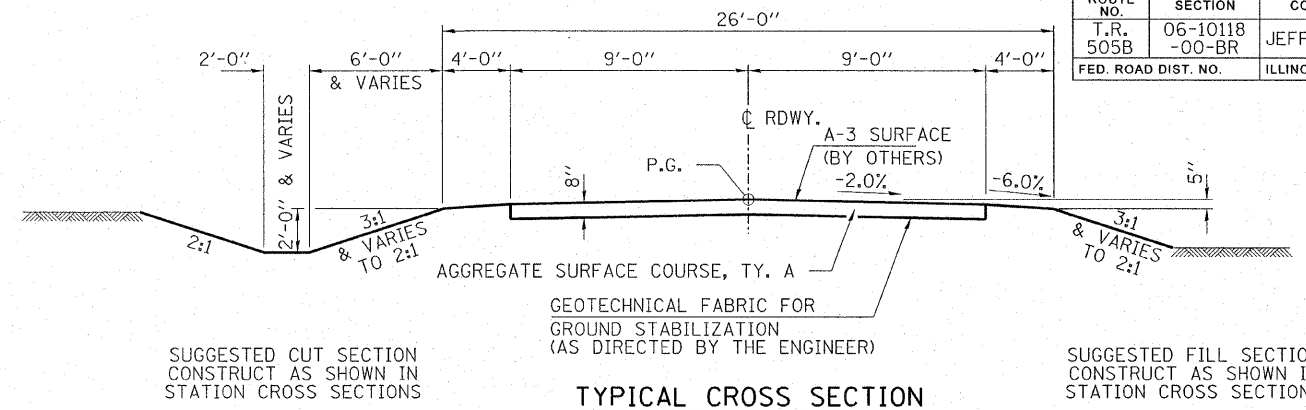
- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2007," THESE PLANS AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.
- ALL CLEARING AND GRUBBING AND REMOVAL OF EXISTING DRAINAGE STRUCTURES SHALL BE INCLUDED IN CONTRACT. THE REMOVAL OF THE EXISTING AGGREGATE BASE COURSE AND A-3 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 SEEDDED SHALL CONSIST OF ALL EARTH SURFACES DISTURBED DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER. ESTIMATED QUANTITY: SEEDING, CLASS 2 (SPECIAL) = 1.0 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 (6-15 UNITS) = 175 UNITS

### EARTHWORK SCHEDULE

LOCATION	EARTH EXCAVATION (CU YD)	SHRINKAGE FACTOR	PERCENT USED	AVAILABLE EXCAVATION (CU YD)	EMBANKMENT REQUIRED (CU YD)	EARTHWORK BALANCE (CU YD)
STA. 10+75 TO STA. 14+25.25	29	25%	100%	22	1898	-1876
STA. 14+25.25 TO STA. 15+74.75	114	25%	100%	85	258	-172
STA. 15+74.75 TO STA. 20+50	31	25%	100%	24	3095	-3071
CHANNEL EXCAVATION ENTRANCES	(0)	25%	70%	-	25	-25
TOTAL	174			131	5274	-5145
USE:	175					5,145

\* AVAILABLE EXCAVATION = EXC. x (1-SHRINKAGE FACTOR) x 1/2 USED (FURN. EXC.)

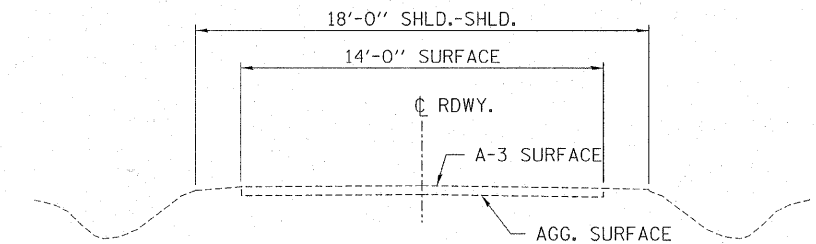


### TYPICAL CROSS SECTION

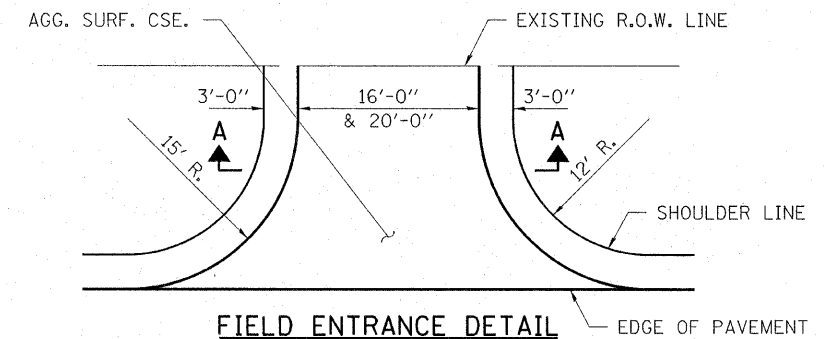
STA. 10+75 TO 20+50

TRANSITION FROM THE PROPOSED ROADWAY TO THE EXISTING ROADWAY IS TO BE CONSTRUCTED FROM STA. 10+75 TO 11+25 AND STA. 20+00 TO 20+50. SEE SHEET 11 FOR TRANSITION AT BRIDGE.

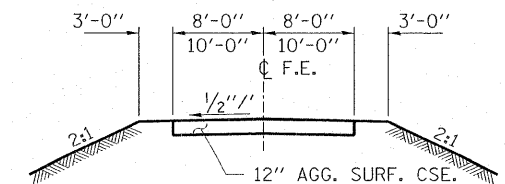
TREE REMOVAL (6-15 UNITS)	
LOCATION	UNIT
25' RT. STA. 12+91.1	5
25' RT. STA. 12+92.5	7
22' RT. STA. 13+89.6	6
24' RT. STA. 13+92.6	6
19' RT. STA. 13+97.4	5
29' RT. STA. 13+95.9	6
35' RT. STA. 14+03.0	6
26' RT. STA. 14+03.8	6
25' RT. STA. 14+09.5	6
30' RT. STA. 14+23.9	6
28' RT. STA. 14+28.8	6
28' RT. STA. 14+31.3	6
25' RT. STA. 14+31.6	10
25' RT. STA. 14+36.5	10
21' RT. STA. 14+47.2	5
19' RT. STA. 15+59.8	5
27' RT. STA. 15+53.0	8
28' RT. STA. 15+55.5	8
38' RT. STA. 15+40.4	18
37' RT. STA. 15+57.8	5
23' RT. STA. 16+51.4	5
23' RT. STA. 16+70.3	10
TOTAL	155
USE	175



### EXISTING CROSS SECTION



### FIELD ENTRANCE DETAIL



### SECTION A-A

**HAMPTON, LENZINI & RENWICK, INC.**  
 CIVIL & STRUCTURAL ENGINEERS  
 LAND SURVEYORS

3085 STEVENSON DRIVE, SUITE 201  
 SPRINGFIELD, ILLINOIS 62703  
 (217) 546-3400

ELGIN • SPRINGFIELD

PROJECT NUMBER: 12-49-0008-1 DATE: 01/08/08  
 DESIGNED: J.W.F. CHECKED: S.W.M. DRAWN: D.T.M.

**SUMMARY OF QUANTITIES AND GENERAL NOTES**  
 SECTION 06-10118-00-BR  
 MOORES PRAIRIE ROAD DISTRICT  
 JEFFERSON COUNTY