

SUMMARY OF QUANTITIES			
CODE NO	ITEM	UNIT	QUANTITY
		CONSTRUCTION CODE X081-2A	
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	20
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	40
20200100	EARTH EXCAVATION	CU YD	370
20300100	CHANNEL EXCAVATION	CU YD	140
20400800	FURNISHED EXCAVATION	CU YD	480
> 20900330	GRANULAR BACKFILL	TON	70
> 25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.5
> 28101700	RIPRAP, SPECIAL	TON	140
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	495
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50300225	CONCRETE STRUCTURES	CU YD	18.2
50300280	CONCRETE ENCASEMENT	CU YD	2.0
50400505	PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH)	SQ FT	1,344
50500505	STUD SHEAR CONNECTORS	EACH	16
50800105	REINFORCEMENT BARS	POUND	2,430
50900205	STEEL RAILING, TYPE S1	FOOT	113
51201400	FURNISHING STEEL PILES HP10X42	FOOT	360
51202305	DRIVING PILES	FOOT	360
51500100	NAME PLATES	EACH	1
> 54200220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	34
67100100	MOBILIZATION	L SUM	1

> SEE SPECIAL PROVISIONS

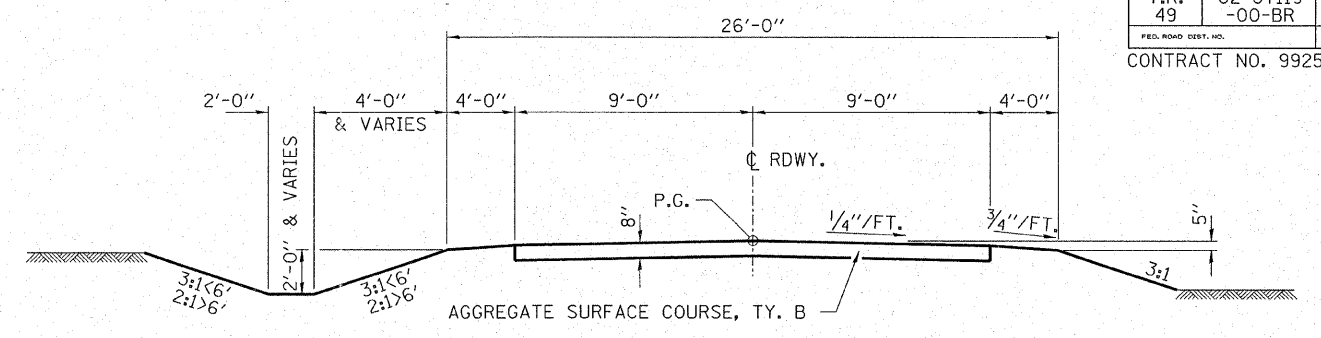
**GENERAL NOTES:**

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 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 THE CONTRACT.
- 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 OR A 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 SURFACE CSE.	2.05	TON/CU YD
RIPRAP SPECIAL	1.75	TON/CU YD
GRANULAR BACKFILL	2.00	TON/CU YD
- THE AREA TO BE SEEDDED SHALL CONSIST OF ALL EARTH SURFACES DISTURBED DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER. **ESTIMATED QUANTITY = 0.5 ACRE**
- THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER IN REGARD TO THE EXACT LENGTH OF PIPE CULVERTS BEFORE ORDERING THESE ITEMS.
- TREES WITHIN THE RIGHT-OF-WAY WHICH INTERFERE WITH CONSTRUCTION SHALL BE REMOVED ONLY AT THE DIRECTION OF THE ENGINEER.

EARTHWORK SCHEDULE						
LOCATION	EARTH EXCAVATION (CU YD)	SHRINKAGE FACTOR	PERCENT USED	AVAILABLE* EXCAVATION (CU YD)	EMBANKMENT REQUIRED (CU YD)	EARTHWORK BALANCE (CU YD)
STA. 7+00 TO STA. 9+71.33	240	25%	100%	180	227	-47
STA. 9+71.33 TO STA. 10+28.67	-	25%	100%	-	-	-
STA. 10+28.67 TO STA. 13+00	129	25%	100%	97	575	-478
CHANNEL EXCAVATION ENTRANCES	270	25%	70%	74	28	74
TOTAL	349			350	821	-480
USE:	370					480

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



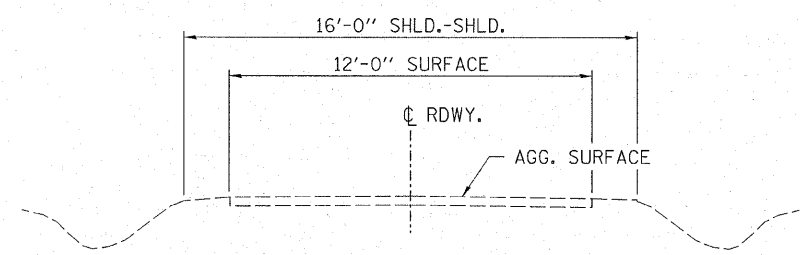
SUGGESTED CUT SECTION  
CONSTRUCT AS SHOWN IN  
STATION CROSS SECTIONS

SUGGESTED FILL SECTION  
CONSTRUCT AS SHOWN IN  
STATION CROSS SECTIONS

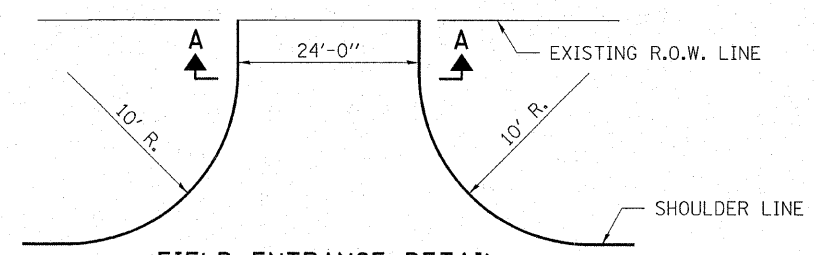
ROAD CLASSIFICATION - LOCAL ROAD ADT 0-250  
CURRENT ADT 0-150  
DESIGN SPEED: 30 M.P.H.

**TYPICAL CROSS SECTION**  
STA. 7+50 TO STA. 12+50

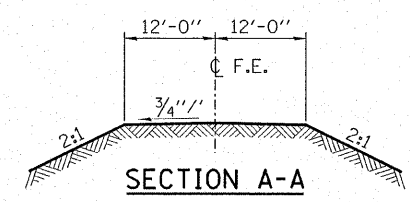
TRANSITION FROM PROPOSED TO EXISTING ROADWAY  
TO BE CONSTRUCTED FROM STA. 7+00 TO 7+50 AND  
FROM STA. 12+50 TO STA. 13+00, SEE SHEET 8 FOR  
TRANSITION AT BRIDGE.



**EXISTING CROSS SECTION**



**FIELD ENTRANCE DETAIL**



**SECTION A-A**

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

3085 STEVENSON DRIVE, SUITE 201  
SPRINGFIELD, ILLINOIS 62703  
(217) 548-3400

**ELGIN • SPRINGFIELD**

PROJECT NUMBER: 12-74-0006-1 DATE: 10/30/06  
DESIGNED: T.P.L. CHECKED: S.W.M. DRAWN: D.T.M.

**SUMMARY OF QUANTITIES  
AND TYPICAL SECTIONS**  
SECTION 02-07119-00-BR  
ROAD DISTRICT NO. 4-3  
PERRY COUNTY