

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 2821	98-16119-00-BR	WAYNE	13	2
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

SUMMARY OF QUANTITIES			
CODE NO	ITEM	UNIT	QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	125
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	400
20200100	EARTH EXCAVATION	CU YD	315
20300100	CHANNEL EXCAVATION	CU YD	90
20400800	FURNISHED EXCAVATION	CU YD	1,025
25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.5
28000300	TEMPORARY DITCH CHECKS	EACH	8
28101700	RIPRAP, SPECIAL	TON	200
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	630
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50300225	CONCRETE STRUCTURES	CU YD	76.2
50400305	PRECAST PRESTRESSED CONCRETE DECK BEAMS (17" DEPTH)	SO FT	1,824
50800105	REINFORCEMENT BARS	POUND	5,820
50900205	STEEL RAILING, TYPE S1	FOOT	155
51201400	FURNISHING STEEL PILES HP10X42	FOOT	415
51202700	DRIVING STEEL PILES	FOOT	415
51203400	TEST PILE STEEL HP10X42	EACH	2
51500100	NAME PLATES	EACH	1
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	74
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	2
63100167	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	EACH	2
X5020501	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 1	EACH	1
X5020502	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 2	EACH	1

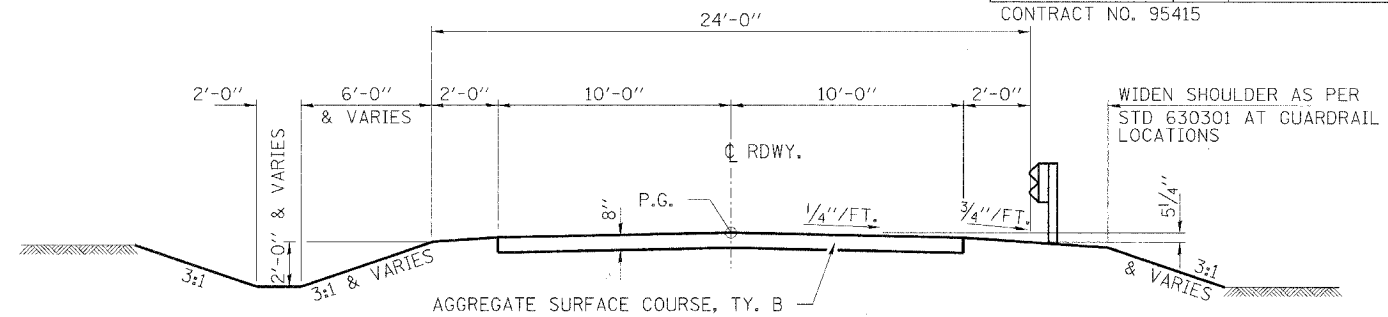
> SEE SPECIAL PROVISIONS

**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 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 SURFACE 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 = 0.5 ACRES**
- TREES WITHIN THE RIGHT-OF-WAY WHICH INTERFERE WITH CONSTRUCTION SHALL BE REMOVED ONLY AT THE DIRECTION OF THE ENGINEER.  
**MEASURED QUANTITY: (6-15 UNIT DIA.) = 125 UNITS**  
**MEASURED QUANTITY: (OVER 15 UNIT DIA.) = 400 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. 6+50 TO STA. 9+52.03	140	25%	100%	105	609	-504
STA. 9+52.03 TO STA. 10+29.92	-	25%	100%	-	-	-
STA. 10+29.92 TO STA. 13+50	174	25%	100%	130	506	-376
CHANNEL EXCAVATION ENTRANCES	90	25%	70%	47	190	47
TOTAL	314			283	1305	-1023
USE:	315					-1025

\* 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 - MAJOR COLLECTOR (NON-URBAN)  
 CURRENT ADT 25  
 DESIGN SPEED: 40 M.P.H.

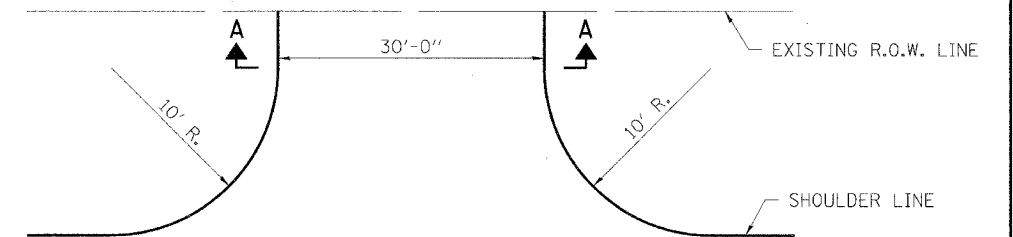
**TYPICAL CROSS SECTION**

STA. 7+00 TO STA. 13+00

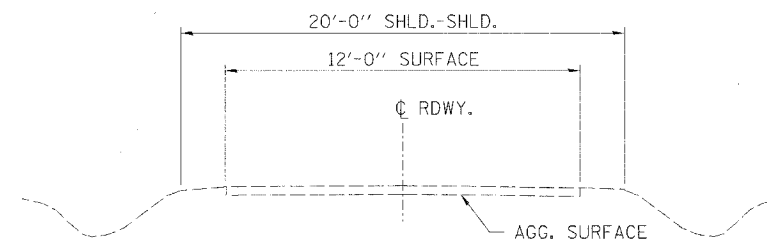
TRANSITION FROM PROPOSED ROADWAY TO THE EXISTING ROADWAY IS TO BE CONSTRUCTED FROM STA. 6+50 TO STA. 7+00 AND FROM STA. 13+00 TO STA. 13+50. SEE SHEET 7 FOR TRANSITION AT BRIDGE.

TRAFFIC BARRIER TER., TY 1, SPL (TANG)	
LOCATION	EACH
LT. STA. 8+95.78 TO STA. 9+45.78	1
RT. STA. 10+36.22 TO STA. 10+86.22	1
TOTAL	2

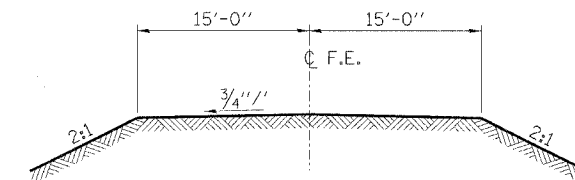
TRAFFIC BARRIER TERMINAL, TYPE 5A	
LOCATION	EACH
LT. STA. 9+45.78 TO STA. 9+59.03	1
RT. STA. 10+22.97 TO STA. 10+36.22	1
TOTAL	2



**FIELD ENTRANCE DETAIL**



**EXISTING CROSS SECTION**



**SECTION A-A**

**HLR**  
 Rice, Berry and Associates  
 A Division of Hampton, Lenzini and Renwick, Inc.  
 Civil & Structural Engineers  
 801 S. Durkin Drive  
 Springfield, Illinois 62704  
 217-546-3400  
 P.O. Box 1036  
 DuQuoin, Illinois 62832  
 618-790-4637  
 Account Number 12-97-0005-1  
 Date: 10/27/04  
 DESIGNED: S.W.M. CHECKED: M.G.B. DRAWN: D.T.M.

**SUMMARY OF QUANTITIES AND TYPICAL SECTIONS**

SECTION 98-16119-00-BR  
 MASSILON ROAD DISTRICT  
 WAYNE COUNTY