

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 7	06-00097-00-BR	UNION	16	2
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO. 99311	

SUMMARY OF QUANTITIES			
		CONSTRUCTION CODE X081-2A	
CODE NO	ITEM	UNIT	QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	50
20200100	EARTH EXCAVATION	CU YD	60
20300100	CHANNEL EXCAVATION	CU YD	585
20700110	POROUS GRANULAR EMBANKMENT	TON	140
> 25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.5
> 28100807	STONE DUMPED RIPRAP, CLASS A4	TON	430
> 40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	225
> 50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50300225	CONCRETE STRUCTURES	CU YD	29.6
50300280	CONCRETE ENCASEMENT	CU YD	2.8
50400605	PRECAST PRESTRESSED CONCRETE DECK BEAMS (33" DEPTH)	SQ FT	2,160
50800105	REINFORCEMENT BARS	POUND	3,390
50900205	STEEL RAILING, TYPE S1	FOOT	168
51201600	FURNISHING STEEL PILES HP12X53	FOOT	455
51202305	DRIVING PILES	FOOT	455
51203600	TEST PILE STEEL HP12X53	EACH	1
51500100	NAME PLATES	EACH	1
542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	21
542A0235	PIPE CULVERTS, CLASS A, TYPE 1 30"	FOOT	28
* 63000000	STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	75
> * 63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	4
> * 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL (TANGENT)	EACH	2
> 63200310	GUARDRAIL REMOVAL	FOOT	293
> 67100100	MOBILIZATION	L SUM	1
> * 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	2

> SEE SPECIAL PROVISIONS
* SPECIALTY ITEMS

GENERAL NOTES

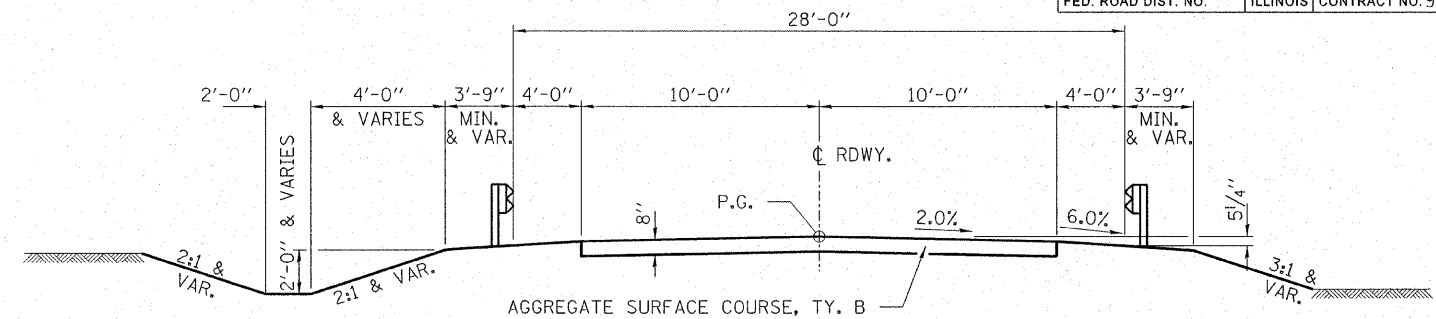
- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2007," THESE PLANS AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.
- ALL CLEARING AND GRUBBING AND REMOVAL OF EXISTING DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION. THE REMOVAL OF THE EXISTING BITUMINOUS SURFACE WILL BE PAID FOR AS EARTH EXCAVATION. ALL BITUMINOUS MATERIAL SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR IN A METHOD APPROVED BY THE ENGINEER. PROPER DISPOSAL OF BITUMINOUS MATERIAL SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE LOCATION OF EXISTING GAS MAINS, 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.
- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- THE CONTRACTOR SHALL CONSULT THE ENGINEER IN REGARD TO THE EXACT LENGTH OF PIPE CULVERTS BEFORE ORDERING THESE ITEMS.
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES.

POROUS GRANULAR BACKFILL	2.00 TON/CU YD
AGGREGATE SURFACE COURSE	2.05 TON/CU YD
STONE DUMPED RIPRAP	1.75 TON/CU YD
- THE AREA TO BE SEEDED SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE R.O.W. AS DIRECTED BY THE ENGINEER. ESTIMATED QUANTITY = SEEDING, CLASS 2 (SPECIAL) = 0.5 ACRES
- TREES WITHIN THE RIGHT-OF-WAY WHICH INTERFERE WITH CONSTRUCTION SHALL BE REMOVED ONLY AT THE DIRECTION OF THE ENGINEER.
- EXISTING ROADWAY SECTION SHALL REMAIN OPEN TO LOCAL TRAFFIC AT ALL TIMES UNTIL THE PROPOSED ROADWAY AND BRIDGE ARE OPEN TO TRAFFIC.

EARTHWORK SCHEDULE

LOCATION	EARTH EXCAVATION (CU YD)	SHRINKAGE FACTOR	PERCENT USED	AVAILABLE* EXCAVATION (CU YD)	EMBANKMENT REQUIRED (CU YD)	EARTHWORK BALANCE (CU YD)
STA. 8+50 TO STA. 9+59.29	29	25%	100%	22	133	-111
STA. 9+59.29 TO STA. 10+40.71		25%	100%			
STA. 10+40.71 TO STA. 11+50	30	25%	100%	22	208	-186
CHANNEL EXCAVATION ENTRANCES	585	25%	70%	439	0	439
TOTAL	59			483	341	-142
USE:	60					-145

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

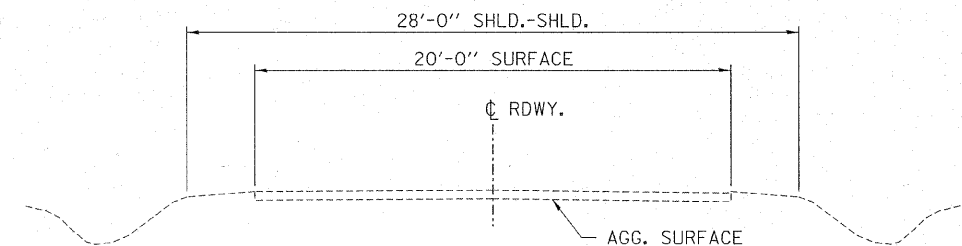


SUGGESTED CUT SECTION
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS

SUGGESTED FILL SECTION
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS

TYPICAL CROSS SECTION STA. 9+00 TO 11+00

TRANSITION FROM THE PROPOSED ROADWAY TO THE EXISTING ROADWAY IS TO BE CONSTRUCTED FROM STA. 8+50 TO 9+00 AND STA. 11+00 TO 11+50. SEE SHEET 9 FOR TRANSITION AT BRIDGE.



EXISTING CROSS SECTION

GUARDRAIL REMOVAL	
LOCATION	FOOT
RT. STA. 8+90 TO STA. 9+65	75
LT. STA. 8+85 TO STA. 9+65	80
RT. STA. 10+71 TO STA. 11+43	27
LT. STA. 10+84 TO STA. 11+50	66
TOTAL	293

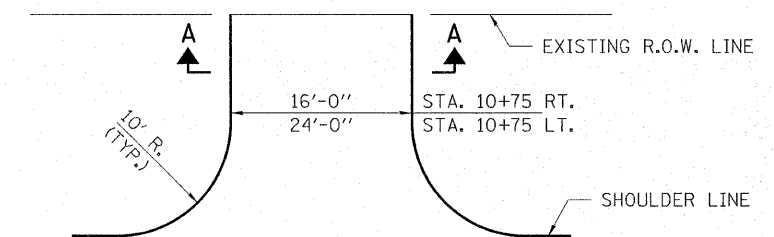
STEEL PLATE BEAM GUARDRAIL, TYPE A	
LOCATION	FOOT
RT. STA. 8+89.8 TO STA. 9+39.8	50
*19.0' RT. STA. 10+48.3 TO 31.2' RT. STA. 10+50.7	12.5
*19.0' LT. STA. 10+58.1 TO 31.2' LT. STA. 10+60.5	12.5
TOTAL	75

*SHOP CURVE WITH A 16' RADIUS

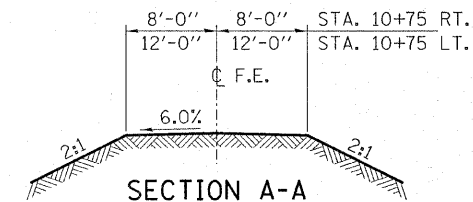
TRAFFIC BARRIER TERMINAL, TYPE 5A	
LOCATION	EACH
RT. STA. 9+39.8 TO STA. 9+53.0	1
LT. STA. 9+49.6 TO STA. 9+62.8	1
*13.5' RT. STA. 10+37.2 TO 31.2' RT. STA. 10+50.7	1
*13.5' LT. STA. 10+47.0 TO 31.2' LT. STA. 10+60.5	1
TOTAL	4

*SHOP CURVE WITH A 16' RADIUS

TRAFFIC BARRIER TERMINAL, TY 1, SPL (TANG)	
LOCATION	EACH
LT. STA. 8+99.6 TO STA. 9+49.6	1
RT. STA. 10+93 TO 11+43(±)	1
TOTAL	2



FIELD ENTRANCE DETAIL



SECTION A-A

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

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

ELGIN • SPRINGFIELD

PROJECT NUMBER: 12-92-0008-1 DATE: 02/07/08
DESIGNED: J.W.F. CHECKED: S.W.M. DRAWN: D.A.B.

**SUMMARY OF QUANTITIES
AND TYPICAL SECTIONS**
C.H. 7 / MT. PLEASANT ROAD
SECTION 06-00097-00-BR
UNION COUNTY