

SUMMARY OF QUANTITIES

CODE NO	ITEM	CONSTRUCTION CODE	
		UNIT	QUANTITY
20100500	TREE REMOVAL, ACRE	ACRE	0.1
20200100	EARTH EXCAVATION	CU YD	100
20300100	CHANNEL EXCAVATION	CU YD	410
20400800	FURNISHED EXCAVATION	CU YD	500
> 20700110	POROUS GRANULAR EMBANKMENT	TON	90
> 25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.6
25100630	EROSION CONTROL BLANKET	SQ YD	2,900
> 28000400	PERIMETER EROSION BARRIER	FOOT	800
28101700	RIPRAP, SPECIAL	TON	850
> 40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	380
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50300225	CONCRETE STRUCTURES	CU YD	40.8
50400405	PRECAST PRESTRESSED CONCRETE DECK BEAMS (21" DEPTH)	SQ FT	2,880
50400505	PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH)	SQ FT	1,920
50500505	STUD SHEAR CONNECTORS	EACH	60
50800105	REINFORCEMENT BARS	POUND	5,400
50900205	STEEL RAILING, TYPE S1	FOOT	327
51201400	FURNISHING STEEL PILES HP10X42	FOOT	630
51201800	FURNISHING STEEL PILES HP14X73	FOOT	630
51202700	DRIVING STEEL PILES	FOOT	1,260
51203400	TEST PILE STEEL HP10X42	EACH	1
51203800	TEST PILE STEEL HP14X73	EACH	1
51204315	CONCRETE ENCASEMENT	CU YD	31.4
51500100	NAME PLATES	EACH	1
63000000	STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	50
> 63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	4
> 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (TANGENT)	EACH	4
> 67100100	MOBILIZATION	L SUM	1
> 78200400	GUARDRAIL REFLECTORS	EACH	4
> 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4

> SEE SPECIAL PROVISIONS

GENERAL NOTES

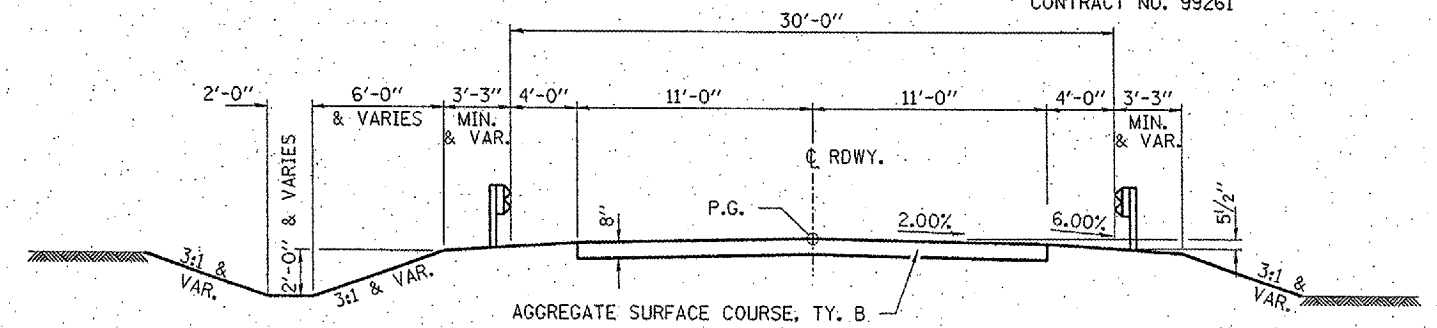
- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2002," THESE PLANS AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.
- ALL CLEARING AND GRUBBING AND REMOVAL OF EXISTING DRAINAGE STRUCTURES SHALL BE CONSIDERED INCLUDED IN COST FOR EARTH EXCAVATION IN THE CONTRACT. 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 CONSIDERED INCIDENTAL TO EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 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 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
 RIPRAP, SPECIAL 1.75 TON/CU YD
 POROUS GRANULAR EMBANKMENT 2.00 TON/CU YD
 AGGREGATE SURFACE COURSE 2.05 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 AND EASEMENTS, WHICH INTERFERE WITH CONSTRUCTION SHALL BE REMOVED ONLY AT THE DIRECTION OF THE ENGINEER.
- THE CONTRACTOR SHALL COORDINATE WITH AMEREN CIPS FOR WORK AROUND THE HIGH POWER LINES. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ANY COSTS OR DELAYS CAUSED BY THE UTILITY.

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+50 TO STA. 9+15.25	51	25%	100%	39	191	-153
STA. 9+15.25 TO STA. 10+76.75	-	25%	100%	-	-	-
STA. 10+76.75 TO STA. 12+50	47	25%	100%	35	593	-558
CHANNEL EXCAVATION	410	25%	70%	215	-	215
ENTRANCES	-	-	-	-	-	-
TOTAL	98	-	-	289	785	-496
USE:	100	-	-	-	-	500

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

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R. 209A	04-02119 -00-BR	JACKSON	20	2'
PROJECT NO.		CONTRACT NO. 99261		
PROJECT NAME		PROJECT: BR05-077(41)		



SUGGESTED CUT SECTION
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS

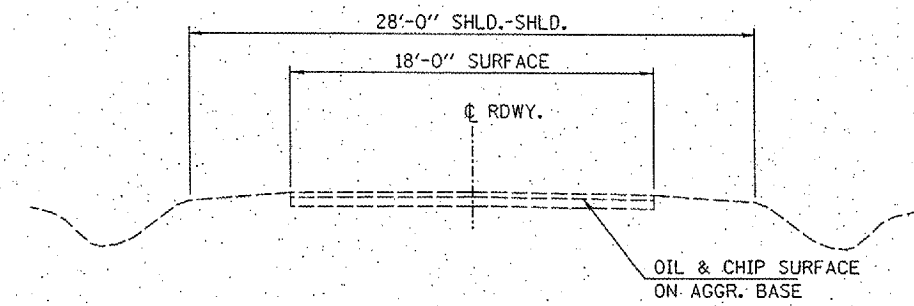
SUGGESTED FILL SECTION
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS

ROAD CLASSIFICATION - LOCAL ROAD >400 ADT
DESIGN ADT 900
DESIGN SPEED: 40 M.P.H.

TYPICAL CROSS SECTION

STA. 7+50 TO 9+15.25
STA. 10+76.75 TO 12+50.

TRANSITION FROM THE PROPOSED ROADWAY TO THE EXISTING ROADWAY IS TO BE CONSTRUCTED FROM STA. 7+50 TO 8+00 AND STA. 12+00 TO 12+50. SEE SHEET 11 FOR TRANSITION AT BRIDGE.



EXISTING CROSS SECTION

TRAFFIC BARRIER TERMINAL, TYPE 5A	
LOCATION	EACH
RT. STA. 9+01.0 TO STA. 9+14.3	1
LT. STA. 9+01.0 TO STA. 9+14.3	1
RT. STA. 10+77.7 TO STA. 10+91.0	1
LT. STA. 10+77.7 TO STA. 10+91.0	1
TOTAL	4

STEEL PLATE BEAM GUARD RAIL, TYPE A	
LOCATION	FOOT
RT. STA. 8+76.0 TO STA. 9+01.0	25
LT. STA. 10+91.0 TO STA. 11+16.0	25
TOTAL	50

TRAFFIC BARRIER TERMINAL, TY 1, SPL (TANG)	
LOCATION	EACH
RT. STA. 8+26.0 TO STA. 8+76.0	1
LT. STA. 8+51.0 TO STA. 9+01.0	1
RT. STA. 10+91.0 TO STA. 11+41.0	1
LT. STA. 11+16.0 TO STA. 11+66.0	1
TOTAL	4

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

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

ELGIN • SPRINGFIELD

PROJECT NUMBER: 12-47-0017-1 DATE: 05/15/06
DESIGNED: S.M.S. CHECKED: S.W.M. DRAWN: D.T.M.

SUMMARY OF QUANTITIES AND TYPICAL SECTIONS
SECTION 04-02119-00-BR
CARBONDALE ROAD DISTRICT
JACKSON COUNTY