

SUMMARY OF QUANTITIES			
CODE NO	ITEM	UNIT	QUANTITY
20200100	EARTH EXCAVATION	CU YD	325
20300100	CHANNEL EXCAVATION	CU YD	65
20400800	FURNISHED EXCAVATION	CU YD	150
> 20700110	POROUS GRANULAR EMBANKMENT	TON	100
> 25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.6
> 28100207	STONE RIPRAP, CLASS A4	TON	130
> 40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	410
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50300225	CONCRETE STRUCTURES	CU YD	21.8
50400405	PRECAST PRESTRESSED CONCRETE DECK BEAMS (21" DEPTH)	SQ FT	1,350
50800105	REINFORCEMENT BARS	POUND	2,650
* 50900205	STEEL RAILING, TYPE S1	FOOT	94
51200957	FURNISHING METAL SHELL PILES 12"x0.250"	FOOT	405
51202305	DRIVING PILES	FOOT	405
51203200	TEST PILE METAL SHELLS	EACH	1
51500100	NAME PLATES	EACH	1
> 542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	112
> 542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	112
> 60103600	PIPE DRAINS CORRUGATED STEEL 15"	FOOT	24
60801018	FLAP GATE 18"	EACH	2
60801024	FLAP GATE 24"	EACH	2
67100100	MOBILIZATION	L SUM	1
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4

> 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 LOCATIONS 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 FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

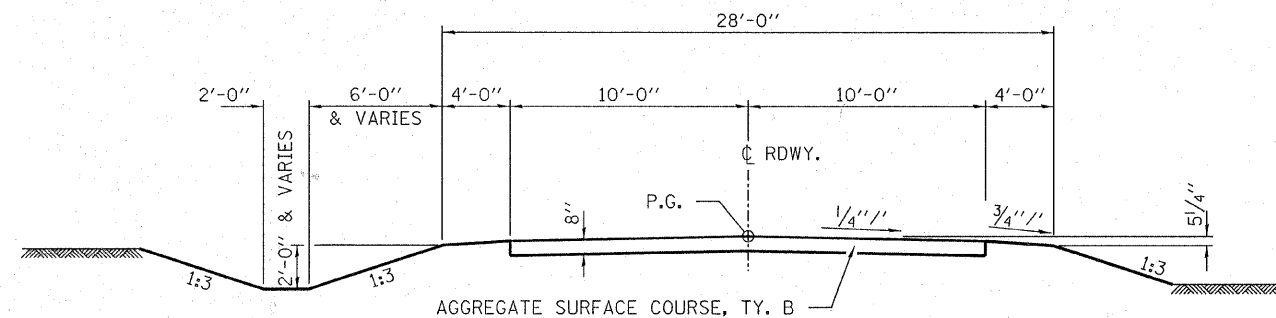
POROUS GRANULAR EMBANKMENT	2.0 TON/CU YD
AGGREGATE SURFACE COURSE	2.05 TON/CU YD
STONE RIPRAP, CLASS A4	1.75 TON/CU YD

THE AREA TO BE SEEDDED SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE RIGHT-OF-WAY AS DIRECTED BY THE ENGINEER.

SEEDING, CLASS 2 (SPECIAL) = 0.6 ACRES

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+74.33	125	0%	100%	125	260	-135
STA. 9+74.33 TO STA. 10+25.67	-	0%	100%	-	-	-
STA. 10+25.67 TO STA. 12+25	200	0%	100%	200	204	-4
CHANNEL EXCAVATION	(65)	0%	70%	46		46
ENTRANCES					160	-160
EXC. FOR RIPRAP, PGE	(151)	0%	70%	106		
TOTAL	325			476	624	-147
USE:	325					150

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



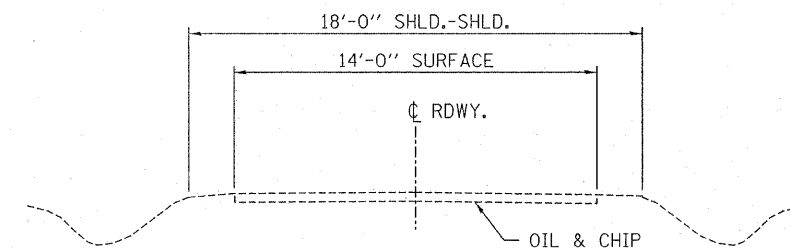
SUGGESTED CUT SECTION
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS

SUGGESTED FILL SECTION
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS

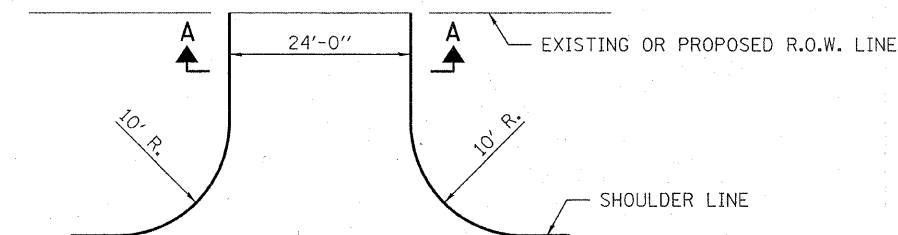
TYPICAL CROSS SECTION

STA. 7+50 TO 12+25

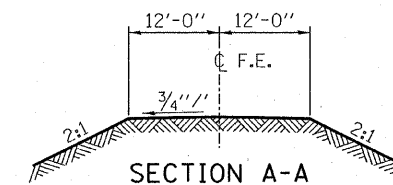
TRANSITION FROM THE PROPOSED ROADWAY TO THE EXISTING ROADWAY IS TO BE CONSTRUCTED FROM STA. 7+50 TO 8+00 AND STA. 11+75 TO 12+25. SEE SHEET 8 FOR TRANSITION AT BRIDGE.



EXISTING CROSS SECTION



FIELD ENTRANCE DETAIL



SECTION A-A

FILE NAME = 082094-shr-rdw.dgn

USER NAME =

DESIGNED - J.W.F.

REVISED -

DRAWN - D.A.B.

REVISED -

PLOT SCALE =

CHECKED - S.W.M.

REVISED - S.W.M.

PLOT DATE = 10/29/2008

DATE - 04/08/08

REVISED - 10/29/08

STATE OF ILLINOIS
MOULTRIE COUNTY HIGHWAY DEPARTMENT



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

SUMMARY OF QUANTITIES
AND TYPICAL SECTIONS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
146	08-05125-00-BR	MOULTRIE	15	2

SCALE: SHEET NO. OF SHEETS STA. TO STA. LOWE ROAD DISTRICT CONTRACT NO. 95565 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT