

SUMMARY OF QUANTITIES			
CODE No.	ITEM	UNIT	TOTAL
			CONSTRUCTION TYPE CODE X081-2A
20100500	TREE REMOVAL, ACRES	ACRE	0.1
20200100	EARTH EXCAVATION	CU YD	85
20300100	CHANNEL EXCAVATION	CU YD	345
20400800	FURNISHED EXCAVATION	CU YD	160
2070011C	POROUS GRANULAR EMBANKMENT	TON	130
25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.3
28100208	STONE RIPRAP, CLASS A4 (SPECIAL)	TON	240
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	269
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50300225	CONCRETE STRUCTURES	CU YD	26.2
50300280	CONCRETE ENCASEMENT	CU YD	2.8
50400605	PRECAST PRESTRESSED CONCRETE DECK BEAMS (33" DEPTH)	SQ FT	1872
50800105	REINFORCEMENT BARS	POUND	2860
* 50900205	STEEL RAILING, TYPE S1	FOOT	155
51201600	FURNISHING STEEL PILES HP12X53	FOOT	280
51202305	DRIVING PILES	FOOT	280
51203600	TEST PILE STEEL HP12X53	EACH	1
51500100	NAME PLATES	EACH	1
* 63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	4
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4
63200310	GUARDRAIL REMOVAL	FOOT	90
67100100	MOBILIZATION	L SUM	1
70101830	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1
* 78200405	GUARDRAIL MARKERS	EACH	6
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4

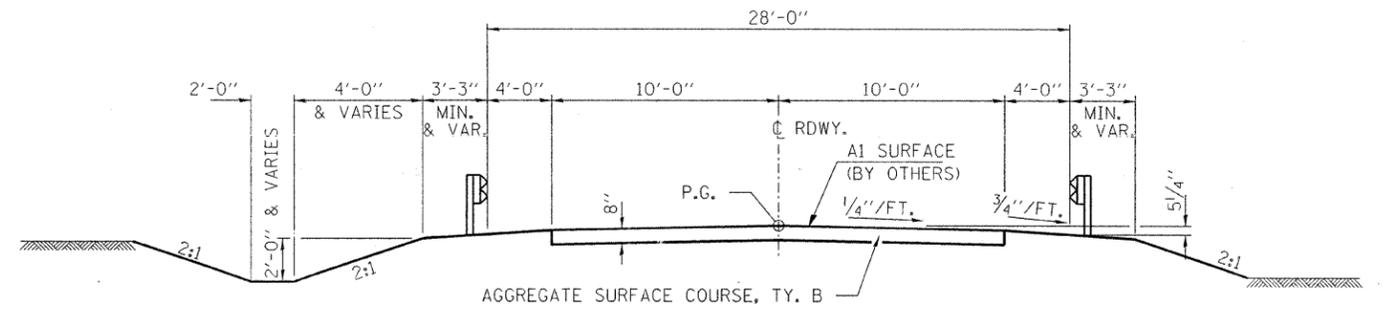
^ SEE SPECIAL PROVISIONS
* SPECIALTY ITEMS

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 CRUBBING, FENCE REMOVAL 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 FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES.
AGGREGATE SURFACE COURSE 2.05 TON/CU YD
STONE RIPRAP, CLASS A4 (SPECIAL) 1.50 TON/CU YD
- THE AREA TO BE SEEDDED SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE R.O.W. AS DIRECTED BY THE ENGINEER.
- ALL TREES WITHIN THE RIGHT OF WAY ARE TO BE REMOVED UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
ESTIMATED QUANTITY: SEEDING CLASS 2, SPECIAL = 0.3 ACRES

EARTHWORK SCHEDULE							
LOCATION	EARTH EXCAVATION	CHANNEL EXCAVATION	SHRINKAGE FACTOR	PERCENT USED	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT REQUIRED	EARTHWORK BALANCE
	20200100 CU.YD.	20300100 CU.YD.			CU.YD.	CU.YD.	CU.YD.
TR 348							
STA 8+23 TO STA 9+60.31	46		25.00%	100.00%	35	174	-139
STA 9+60.31 TO STA 10+39.69	0		25.00%	100.00%	0	0	0
STA 10+39.69 TO STA 11+68	37		25.00%	100.00%	28	226	-198
CHANNEL EXCAVATION		345	25.00%	70.00%	181	0	181
TOTAL	83	345			244	400	-156
TOTAL USE	85	345					-160

20400800 FURNISHED EXCAVATION = 160 CU YDS



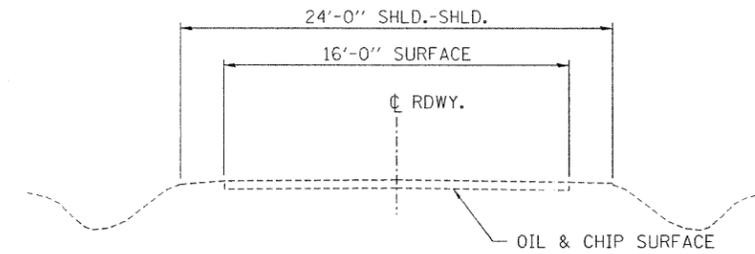
SUGGESTED CUT SECTION
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS

TYPICAL CROSS SECTION

STA. 8+23 TO STA. 9+60.31
STA. 10+39.69 TO STA. 11+68

6:1 SHOULDER TAPERS:
RT. STA. 8+23 TO RT. STA. 8+82
LT. STA. 8+49 TO LT. STA. 8+89
RT. STA. 11+11 TO RT. STA. 11+67
LT. STA. 11+17 TO LT. STA. 11+68

SUGGESTED FILL SECTION
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS



EXISTING CROSS SECTION

STA. 8+23 TO STA. 11+68

20100500 TREE REMOVAL ACRE	
LOCATION	ACRE
LT. STA. 8+75 TO LT. STA. 10+00	0.03
RT. STA. 8+75 TO RT. STA. 10+00	0.03
LT. STA. 10+00 TO LT. STA. 11+25	0.02
RT. STA. 10+00 TO RT. STA. 11+25	0.04
TOTAL	0.12
USE	0.1

ROADWAY SCHEDULE	
LOCATION	AGGREGATE SURFACE COURSE TYPE B
	8" 40200800 TON
TR 348	
STA. 8+23 TO STA. 9+60.31	139
STA. 10+39.69 TO STA. 11+68	130
TOTAL	269

GUARDRAIL TABULATION					
LOCATION	GUARDRAIL REMOVAL	TRAFFIC BARRIER TERMINAL TYPE 1 SPECIAL (TANGENT)	TRAFFIC BARRIER TERMINAL TYPE 5A	TERMINAL MARKER DIRECT APPLIED	GUARDRAIL MARKERS
	63200310 FOOT	63100167 EACH	63100075 EACH	78201000 EACH	78200405 EACH
LT. STA. 8+98.85 TO LT. STA. 9+62.10	21	1	1	1	
RT. STA. 8+92.45 TO RT. STA. 9+55.70	22	1	1	1	
LT. STA. 10+44.30 TO LT. STA. 11+07.55	24	1		1	
RT. STA. 10+37.90 TO RT. STA. 11+01.15	23	1	1	1	
LT. STA. 8+98.85 TO LT. STA. 11+07.55					3
RT. STA. 8+92.45 TO RT. STA. 11+01.15					3
TOTAL	90	4	4	4	6

FILE NAME = 0802-2-shr-rdw.dgn

USER NAME =
PLOT SCALE =
PLOT DATE = 2/4/2009

DESIGNED - J.W.F.
DRAWN - D.A.B.
CHECKED - S.W.M.
DATE - 08/22/08

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
SANGAMON COUNTY HIGHWAY DEPARTMENT



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

SUMMARY OF QUANTITIES AND GENERAL NOTES

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	07-09101-02-BR	SANGAMON	16	2
FED. ROAD DIST. NO. 6 ILLINOIS			FED. AID PROJECT	

SCALE: SHEET NO. OF SHEETS

STA. TO STA.

CONTRACT NO. 09507