

### SUMMARY OF QUANTITIES

CODE NO	ITEM	CONSTRUCTION CODE X080-2A	
		UNIT	QUANTITY
20100500	TREE REMOVAL, ACRES	ACRE	0.1
20200100	EARTH EXCAVATION	CU YD	140
20400800	FURNISHED EXCAVATION	CU YD	635
> 20900310	POROUS GRANULAR BACKFILL	TON	790
> 25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.5
> 28100807	STONE DUMPED RIPRAP, CLASS A4	TON	350
> 40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	365
> 50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
> 50200300	COFFERDAM EXCAVATION	CU YD	560
> 50200400	ROCK EXCAVATION FOR STRUCTURES	CU YD	24.4
> 50200500	COFFERDAMS	EACH	2
> 50300225	CONCRETE STRUCTURES	CU YD	211.2
> 50400405	PRECAST PRESTRESSED CONCRETE DECK BEAMS (21" DEPTH)	SQ FT	1,377
> 50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	23,160
> 50900205	STEEL RAILING, TYPE S1	FOOT	111
> 51500100	NAME PLATES	EACH	1
> 54200223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	40
* 63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	100
> * 63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	4
> * 63100167	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	EACH	4
> 63200310	GUARDRAIL REMOVAL	FOOT	202
> 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 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 AND BRIDGE SHALL REMAIN OPEN TO LOCAL TRAFFIC AT ALL TIMES UNTIL THE PROPOSED ROADWAY AND BRIDGE ARE OPEN TO TRAFFIC.

TREE REMOVAL, ACRES		
LOCATION	WIDTH	ACRES
RT. STA. 8+25 TO RT. STA. 9+50	8'	.03
LT. STA. 10+00 TO LT. STA. 12+00	15'	.07
TOTAL		0.1

GUARDRAIL REMOVAL	
LOCATION	FOOT
RT. STA. 9+17 TO RT. STA. 9+68	51
LT. STA. 9+28 TO LT. STA. 9+80	52
RT. STA. 10+20 TO RT. STA. 10+77	57
LT. STA. 10+32 TO LT. STA. 10+74	42
TOTAL	202

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+79.50	58	25%	100%	43	198	-155
STA. 9+9+79.50 TO STA. 10+30.50	0	25%	100%	-	-	-
STA. 10+30.50 TO STA. 12+00	83	25%	100%	62	491	-429
COFFERDAM EXCAVATION ENTRANCES	(560)	25%	0%	0	53	0
TOTAL	141			105	742	-637
USE:	140					635

\* AVAILABLE EXCAVATION = EXC. x (1-SHRINKAGE FACTOR) x 1/2 USED

(FURN. EXC.)

TRAFFIC BARRIER TERMINAL, TYPE 5A	
LOCATION	EACH
15.0' RT. STA. 9+56.1 TO 13.7' RT. STA. 9+69.4	1
15.0' LT. STA. 9+71.7 TO 13.7' LT. STA. 9+85.0	1
13.7' RT. STA. 10+25.0 TO 15.0' RT. STA. 10+38.3	1
13.1' LT. STA. 10+40.6 TO 15.0' LT. STA. 10+53.9	1
TOTAL	4

STEEL PLATE BEAM GUARD RAIL, TYPE A	
LOCATION	FOOT
15.0' RT. STA. 9+06.1 TO 15.0' RT. STA. 9+56.1	50
15.0' LT. STA. 10+53.9 TO 15.0' LT. STA. 11+03.9	50
TOTAL	100

TRAFFIC BARRIER TERMINAL, TY 1, SPL (TANG)	
LOCATION	EACH
15.0' RT. STA. 8+56.1 TO 15.0' RT. STA. 9+06.1	1
15.0' LT. STA. 9+21.7 TO 15.0' LT. STA. 9+71.7	1
15.0' RT. STA. 10+38.3 TO 15.0' RT. STA. 10+88.3	1
15.0' LT. STA. 11+03.9 TO 15.0' LT. STA. 11+53.9	1
TOTAL	4

<b>HAMPTON, LENZINI &amp; RENWICK, INC.</b> CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS 	
3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400	
ELGIN • SPRINGFIELD	
PROJECT NUMBER: 12-92-0007-1	DATE: 04/03/07
DESIGNED: J.W.F.	CHECKED: S.W.M. DRAWN: D.B.

**SUMMARY OF QUANTITIES  
 AND GENERAL NOTES**  
**SECTION 04-01177-00-BR**  
**T.R. 79A / MOUNTAIN GLEN ROAD**  
**UNION COUNTY**