

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	CONSTRUCTION CODE		TOTAL QUANTITY
			I000	X020-2A	
20200100	EARTH EXCAVATION	CU YD	270		270
20300100	CHANNEL EXCAVATION	CU YD		100	100
20400800	FURNISHED EXCAVATION	CU YD	191		191
20700110	POROUS GRANULAR EMBANKMENT	TON		70	70
* 25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE		0.5	0.5
* 28000400	PERIMETER EROSION BARRIER	FOOT	440		440
28101700	RIPRAP, SPECIAL	TON		180	180
35101400	AGGREGATE BASE COURSE, TYPE B	TON	411		411
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	233		233
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	395		395
40600980	BITUMINOUS SURFACE REMOVAL - BUTT JOINT	SQ YD	256		256
42001165	BRIDGE APPROACH PAVEMENT	SQ YD		227	227
44000100	PAVEMENT REMOVAL	SQ YD	210		210
48101200	AGGREGATE SHOULDERS, TYPE B	TON	145		145
* 50100100	REMOVAL OF EXISTING STRUCTURES	EACH		1	1
50300225	CONCRETE STRUCTURES	CU YD		24.6	24.6
50300255	CONCRETE SUPERSTRUCTURE	CU YD		86.1	86.1
50300260	BRIDGE DECK GROOVING	SQ YD		442	442
50300300	PROTECTIVE COAT	SQ YD		442	442
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND		31,470	31,470
50901005	STEEL BRIDGE RAIL, TYPE SM	FOOT		122	122
51202200	FURNISHING CONCRETE PILES	FOOT		600	600
51202800	DRIVING CONCRETE PILES	FOOT		600	600
51204200	TEST PILE CONCRETE	EACH		1	1
51204315	CONCRETE ENCASEMENT	CU YD		5.2	5.2
51500100	NAME PLATES	EACH		1	1
Δ 63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT		150	150
Δ 63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	4		4
Δ* 63100167	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	EACH	4		4
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	4		4
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3		3
67100100	MOBILIZATION	L SUM	1		1
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	1,731		1,731
Δ 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1,731		1,731
Δ* 78200400	GUARDRAIL REFLECTORS	EACH	7		7
Δ* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4		4
* X4066514	POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50	TON	135		135
* X4066765	LEVELING BINDER (MACHINE METHOD), SUPERPAVE N50	TON	91		91
Z0002600	BAR SPLICERS	EACH		70	70

* SEE SPECIAL PROVISIONS
Δ 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, 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 INCIDENTAL TO EARTH EXCAVATION. THE REMOVAL OF THE RIPRAP DITCH MATERIAL 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 CONSIDERED INCIDENTAL TO PAVEMENT REMOVAL 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 AREA TO BE SEEDED SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE RIGHT-OF-WAY AS DIRECTED BY THE ENGINEER. SEEDING, CLASS 2 (SPECIAL) = 0.5 ACRES

DISTURBANCE AREA LESS THAN 1.0 ACRE.

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

BITUMINOUS CONCRETE	112 LB/IN/SQ YD
POROUS GRANULAR EMBANKMENT	2.0 TON/CU YD
AGGREGATE SHOULDERS	2.05 TON/CU YD
BITUMINOUS MATERIALS (PRIME COAT)	0.1 GAL/SQ YD OR 0.4 GAL/SQ YD
RIPRAP, SPECIAL	1.75 TON/CU YD
AGGREGATE BASE COURSE	2.0 TON/CU YD

MIXTURE REQUIREMENTS	
LOCATION(S):	C.H. 7 (TOWNLIN ROAD) & HERRMAN ROAD
MIXTURE USE(S):	POLYMERIZED BIT. CONC. SURFACE CSE, SUPERPAVE
AC/PG:	SBS 70-22
RAP % (MAX):	N/A
DESIGN AIR VOIDS:	4.2% @ Ndes 50
MIXTURE COMPOSITION: (GRADATION MIXTURE):	IL-9.5 OR IL-12.5
FRICTION AGGREGATE:	MIXTURE C
MIXTURE WEIGHT	112 LB/IN/SQ YD

HORIZONTAL ALIGNMENT		
LOCATION	NORTHING	EASTING
CH 7 (TOWNLIN RD)		
POT STA. 5+49.54	1000.9544	549.5386
PI STA. 10+00.00	1000.0000	1000.0000
POT STA. 16+00.11	1000.0000	1600.1100
HERRMAN RD.		
POT 100+00.00	800.6264	1044.4867
PI STA 100+92.42	893.0459	1044.4870
POT 102+08.04	1000.0084	996.0436
PI STA. 103+90.74	1166.4303	920.6710
PT STA. 104+28.59	1204.9592	909.6859

MIXTURE REQUIREMENTS	
LOCATION(S):	C.H. 7 (TOWNLIN ROAD) & HERRMAN ROAD
MIXTURE USE(S):	LEVELING BINDER (MACHINE METHOD), SUPERPAVE
AC/PG:	PG 64-22
RAP % (MAX):	25%
DESIGN AIR VOIDS:	4.2% @ Ndes 50
MIXTURE COMPOSITION: (GRADATION MIXTURE):	IL-12.5
FRICTION AGGREGATE:	MIXTURE C
MIXTURE WEIGHT	112 LB/IN/SQ YD

HLR
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Account Number 12-91-0014-1
Date: 03/22/06
DESIGNED: L.F.S. CHECKED: S.W.M. DRAWN: D.B.

SUMMARY OF QUANTITIES AND GENERAL NOTES
F.A.S. 1481 / C.H. 7 / TOWNLIN ROAD
SECTION 03-00016-00-BR
TAZEWELL COUNTY