

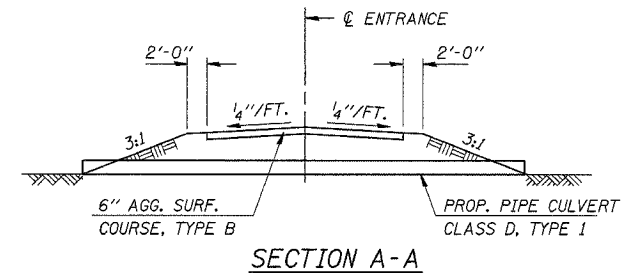
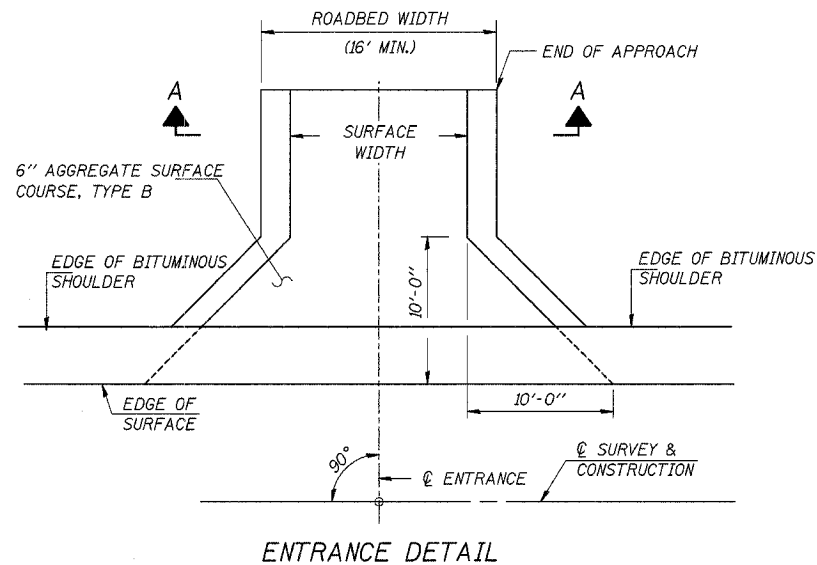
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 622	04-00077 01-BR	SANGAMON	22	2

CONTRACT NO. 93414

SUMMARY OF QUANTITIES

CODE	ITEM	UNIT	CONSTRUCTION TYPE CODE: X071-2A QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	94
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	78
20200100	EARTH EXCAVATION	CU. YD.	1,135
20300100	CHANNEL EXCAVATION	CU. YD.	1,190
*20400800	FURNISHED EXCAVATION	CU. YD.	880
20700220	POROUS GRANULAR EMBANKMENT	CU. YD.	181
*25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.8
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	80
*28000300	TEMPORARY DITCH CHECKS	EACH	5
28000400	PERIMETER EROSION BARRIER	FOOT	100
28000500	INLET AND PIPE PROTECTION	EACH	2
*28101700	RIPRAP, SPECIAL	TON	380
*28102600	STONE RIPRAP DITCH	TON	52
31101000	SUB-BASE GRANULAR MATERIAL, TYPE B	TON	455
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	40
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	420
42001165	BRIDGE APPROACH PAVEMENT	SQ. YD.	268
48101200	AGGREGATE SHOULDERS, TYPE B	TON	65
*48202400	BITUMINOUS SHOULDERS SUPERPAVE 6"	SQ. YD.	525
*50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1
50105220	PIPE CULVERT REMOVAL	FOOT	62
50200100	STRUCTURE EXCAVATION	CU. YD.	220
50300225	CONCRETE STRUCTURES	CU. YD.	36.4
*50300255	CONCRETE SUPERSTRUCTURE	CU. YD.	106.0
50300260	BRIDGE DECK GROOVING	SQ. YD.	578
50300300	PROTECTIVE COAT	SQ. YD.	325
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L. SUM	1
50500505	STUD SHEAR CONNECTORS	EACH	1,278
*50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	24,400
50901005	STEEL BRIDGE RAIL, TYPE SM	FOOT	146
51201600	FURNISHING STEEL PILES HP12X53	FOOT	1,100
51202700	DRIVING STEEL PILES	FOOT	1,100
51203600	TEST PILE STEEL HP12X53	EACH	2
51500100	NAME PLATES	EACH	1
▲*63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	175
▲63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2
▲63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4
▲*63100167	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	EACH	3
▲*63300725	STEEL PLATE BEAM GUARD RAIL (SHORT RADIUS)	FOOT	25
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	8
67100100	MOBILIZATION	L. SUM	1
*70101830	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L. SUM	1
▲*78200405	GUARDRAIL MARKERS	EACH	8
▲*78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	3
*542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	100
*X3550400	BITUMINOUS BASE COURSE SUPERPAVE 7"	SQ. YD.	1,230
*X4066414	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50	TON	100
*X4066614	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N50	TON	172
Z0002600	BAR SPLICERS	EACH	82

*SEE SPECIAL PROVISIONS
▲ SPECIALLY ITEMS



GENERAL NOTES

- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE ANY 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 SEEDING SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE RIGHT OF WAY AS DIRECTED BY THE ENGINEER.
SEEDING CLASS 2 (SPECIAL) = 0.8 ACRES
- ALL ELEVATIONS SHOWN ON THE PLANS ARE ESTABLISHED FROM U.S.G.S. MEAN SEA LEVEL DATUM.
- THE LOCATIONS OF EXISTING WATER MAINS, 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 ARE NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES, MUNICIPALITIES AND FIELD INSPECTION. SEE STANDARD SPECIFICATIONS.
- PAVEMENT MARKING/STRIPING SHALL BE DONE BY OTHERS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
- REMOVAL OF EXISTING GUARDRAIL WILL NOT BE PAID FOR SEPERATELY BUT SHALL BE INCLUDED IN THE COST FOR REMOVAL OF EXISTING STRUCTURES.

7. THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT

MIXTURE USES	BITUMINOUS CONCRETE SURFACE COURSE SUPERPAVE, MIX "C" N50	BITUMINOUS CONCRETE BINDER COURSE SUPERPAVE, N50
AC/PG:	PG 64-22	PG 64-22
RAP %: (MAX)	0%	20%
DESIGN AIR VOIDS	4.0 • NDESIGN = 50	4.0 • NDESIGN = 50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5 OR 12.5	(IL 19.0)
FRICTION AGGREGATE	MIX "C"	N/A

APPLICATION RATES USED IN QUANTITY CALCULATIONS

Granular Materials	2.05 Tons/Cu. Yd.
Riprap	1.50 Tons/Cu. Yd.
Bituminous Materials (Prime Coat)	0.35 Gallon/Sq.Yd.
Bituminous Concrete	112#/Sq.Yd./Inch

**SUMMARY OF QUANTITIES,
GENERAL NOTES, & ENTRANCE DETAILS**

FAS 622 (CH 15)
SECTION 04-00077-01-BR
SANGAMON COUNTY