

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET
FAS 613	07-00092-01-BR	SANGAMON	24	2

SUMMARY OF QUANTITIES

ITEM	UNIT	QUANTITY
20200100	EARTH EXCAVATION	CU YD 90
20300100	CHANNEL EXCAVATION	CU YD 465
20400800	FURNISHED EXCAVATION	CU YD 720
25001000	* SEEDING, CLASS 2 (SPECIAL)	ACRE 0.7
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND 70
28000400	PERIMETER EROSION BARRIER	FOOT 1,319
28101700	* RIPRAP, SPECIAL	TON 280
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD 329
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON 183
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON 118
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON 206
42001400	* BRIDGE APPROACH PAVEMENT (SPECIAL)	SQ YD 108
42001430	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	SQ YD 30
44000100	PAVEMENT REMOVAL	SQ YD 172
44000198	* HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD 991
44004250	PAVED SHOULDER REMOVAL	SQ YD 250
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD 565
48203100	HOT-MIX ASPHALT SHOULDERS	TON 12
50100200	* REMOVAL OF EXISTING STRUCTURES	L SUM 1
50200100	STRUCTURE EXCAVATION	CU YD 164
50300225	CONCRETE STRUCTURES	CU YD 93.8
50300280	CONCRETE ENCASEMENT	CU YD 13.4
50400405	PRECAST PRESTRESSED CONCRETE DECK BEAMS (21" DEPTH)	SQ FT 4,716
50800105	REINFORCEMENT BARS	POUND 7,360
50901050	STEEL RAILING, TYPE SM	FOOT 263
51201400	FURNISHING STEEL PILES HP10X42	FOOT 804
51202305	DRIVING PILES	FOOT 804
51203400	TEST PILE STEEL HP10X42	EACH 4
51500100	NAME PLATES	EACH 1
58100200	WATERPROOFING MEMBRANE SYSTEM	SQ YD 542
58300100	PORTLAND CEMENT MORTAR FAIRING COURSE	FOOT 361
63000000	Δ STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT 100
63000130	Δ * STEEL PLATE BEAM GUARD RAIL, TYPE A (SPECIAL)	FOOT 13
63100087	Δ TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH 3
63100167	Δ TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	EACH 6
63200310	GUARDRAIL REMOVAL	FOOT 515
67100100	MOBILIZATION	L SUM 1
70101700	* TRAFFIC CONTROL AND PROTECTION	L SUM 1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT 108
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT 1,786
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT 36
78200405	Δ * GUARDRAIL MARKERS	EACH 9
78201000	Δ * TERMINAL MARKER - DIRECT APPLIED	EACH 6
X5020501	* UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 1	EACH 1
X5020502	* UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 2	EACH 1
XX005496	Δ * TRAFFIC BARRIER TERMINAL TYPE 6A (SPECIAL)	EACH 1
	* SEE SPECIAL PROVISIONS	
	Δ SPECIALTY ITEMS	

CONSTRUCTION TYPE CODE: X080-2A

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 SEEDED SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE RIGHT OF WAY AS DIRECTED BY THE ENGINEER.

SEEDING CLASS 2 (SPECIAL) = 0.7 ACRES
- ALL ELEVATIONS SHOWN ON THE PLANS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
- 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.
- THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT

MIXTURE USES	HOT-MIX ASPHALT SURFACE COURSE MIX "C" N50	LEVEL BINDER (MACHINE METHOD) N50	HMA BASE COURSE
AC/PG:	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0 @ NDESIGN = 50	4.0 @ NDESIGN = 50	4.0 @ NDESIGN = 50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5 OR 12.5	IL 9.5, 12.5	IL 19.0
FRICTION AGGREGATE	MIX "C"	N/A	N/A

APPLICATION RATES USED IN QUANTITY CALCULATIONS

Granular Materials	2.05 Tons/Cu. Yd.
Riprap	1.5 Tons/Cu. Yd.
Bituminous Materials (Prime Coat)	0.1 Gallon/Sq.Yd.
Hot-Mix Asphalt	112#/Sq.Yd./Inch

**SUMMARY OF QUANTITIES
GENERAL NOTES**

FAS 613 (CH 8)
SECTION 07-00092-01-BR
SANGAMON COUNTY

CUMMINS ENGINEERING CORPORATION	JOB #: 2187
	FILE: 2187gennotes
	DATE: 2/06/08