

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 549	*	MACON	52	2
FED. ROAD DIST. NO.	ILLINOIS	PROJECT		

SUMMARY OF QUANTITIES

CODE NUMBER	PAY ITEM	UNIT	TOTAL
20200100	EARTH EXCAVATION	CU YD	294
20300100	CHANNEL EXCAVATION	CU YD	318
20400800	FURNISHED EXCAVATION	CU YD	1934
25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.7
28000305	TEMPORARY DITCH CHECKS	FOOT	100
28000500	INLET AND PIPE PROTECTION	EACH	3
28100107	STONE RIPRAP, CLASS A4	SQ YD	1015
28200200	FILTER FABRIC	SQ YD	1015
30200650	PROCESSING MODIFIED SOIL 12"	SQ YD	3237
30201700	PORTLAND CEMENT	TON	140
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	26
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	61
40701841	HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 8"	SQ YD	2969
42000200	PORTLAND CEMENT CONCRETE PAVEMENT 7"	SQ YD	130
42001200	PAVEMENT FABRIC	SQ YD	130
44000100	PAVEMENT REMOVAL	SQ YD	2836
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	70
48101200	AGGREGATE SHOULDERS, TYPE B	TON	543
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	2
50105220	PIPE CULVERT REMOVAL	FOOT	66
50200100	STRUCTURE EXCAVATION	CU YD	240
50300225	CONCRETE STRUCTURES	CU YD	82.4
50300280	CONCRETE ENCASEMENT	CU YD	3.6
50400305	PRECAST PRESTRESSED CONCRETE DECK BEAMS (17" DEPTH)	SQ FT	2005
50400505	PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH)	SQ FT	1910
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	7010
* 50901050	STEEL RAILING, TYPE SM	FOOT	268
51200957	FURNISHING METAL SHELL PILES 12" x 0.250"	FOOT	483
51201600	FURNISHING STEEL PILES HP12X53	FOOT	486
51202305	DRIVING PILES	FOOT	969
51203200	TEST PILE METAL SHELLS	EACH	1
51203600	TEST PILE STEEL HP 12X53	EACH	1
51500100	NAME PLATES	EACH	2
54213450	END SECTIONS 15"	EACH	1
54213453	END SECTIONS 18"	EACH	4
54200223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	61
550B0050	STORM SEWERS, CLASS B, TYPE 1 12"	FOOT	50
550B0360	STORM SEWERS, CLASS B, TYPE 2 15"	FOOT	26
58100200	WATERPROOFING MEMBRANE SYSTEM	SQ YD	435
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	116
60218400	MANHOLES, TYPE A, 4' - DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1
60240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH	2
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B*6, 24	FOOT	94
* 63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	4
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4
63200310	GUARDRAIL REMOVAL	FOOT	316
67100100	MOBILIZATION	L SUM	1
70101830	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	2820
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	8
Z0018913	DRILL AND GROUT #8 TIE BARS	EACH	17

* SPECIALTY ITEMS

EARTHWORK SCHEDULE

LOCATION	1 20200100 EARTH EXCAVATION (CU YD)	2 •EXCAVATION TO BE USED IN EMBANKMENT (ADJUSTED FOR SHRINKAGE) (COL 1 x 0.75) (CU YD)	3 •EMBANKMENT (FILL) (CU YD)	4 20400800 FURNISHED EXCAVATION (COL 2 - COL 3) (CU YD)
15+50.00 TO 20+00.00	126	95	390	-296
26+60.00 TO 34+60.00	168	126	1764	-1638
TOTAL	294	221	2154	-1934

EARTH EXCAVATION SHRINKAGE FACTOR ASSUMED TO BE 25%
ITEMS MARKED WITH AN ASTERISK (*) ARE FOR INFORMATIONAL PURPOSES ONLY

GENERAL NOTES

- THE DESIGN ENGINEER SHALL NOT GUARANTEE THE WORK OF ANY CONTRACTOR OR SUBCONTRACTOR, SHALL HAVE NO SUPERVISION OF THE PERSONS DOING THE WORK, SHALL HAVE NO CHARGE OF THE WORK, SHALL NOT BE RESPONSIBLE FOR SAFETY IN, ON, OR ABOUT THE JOB SITE OR HAVE ANY CONTROL OF THE SAFETY OR ADEQUACY OF ANY EQUIPMENT, BUILDING COMPONENT, SCAFFOLDING, SUPPORT, FORMS OR OTHER WORK AIDS. IN ADDITION, THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SHALL BE MODIFIED AS FOLLOWS: UNDER SECTION 105, ADD THE FOLLOWING SENTENCE: NOTHING CONTAINED HEREIN SHALL RELIEVE THE CONTRACTOR OF HIS/HER DUTIES TO OBSERVE AND COMPLY WITH ALL APPLICABLE LAWS, NOR SHALL THE ENGINEER BE RESPONSIBLE FOR THE CONTRACTOR'S COMPLIANCE WITH SUCH LAWS. UNDER ARTICLE 107.01, ADD THE FOLLOWING SENTENCE: THE DESIGN ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S DUTY TO OBSERVE AND COMPLY WITH THE PROVISIONS OF THIS ARTICLE, OR FOR THE CONTRACTOR'S FAILURE TO DO SO.
- ALL ELEVATIONS ARE BASED ON U.S.G.S. MEAN SEA LEVEL DATUM. THE PROPOSED GRADE ELEVATIONS SHOWN ON THE PLAN AND PROFILE SHEETS AND STATION CROSS SECTIONS ARE THE ELEVATIONS FOR THE FINISHED SURFACE AT THE LOCATIONS INDICATED.
- THE FOLLOWING RATES WERE USED IN CALCULATING QUANTITIES FOR THIS PROJECT:
AGGREGATE SURFACE COURSE/AGGREGATE SHOULDERS: 2.05 TONS/ CU YD
RIPRAP: 1.5 TONS/ CU YD
BITUMINOUS MATERIALS (PRIME COAT): 0.10 GAL./SQ YD
AGGREGATE (PRIME COAT): 4.00 LBS/SQ YD
HOT MIX ASPHALT: 112 LBS/SQ YD/INCH
PORTLAND CEMENT: 8% BY WEIGHT
- THE HIGHWAY STANDARDS WITH THE REVISION NUMBERS SHOWN IN THE STANDARDS LIST SHALL APPLY TO THIS CONTRACT.
- ALL PAVEMENT ELEVATIONS SHOWN ARE AT EDGE OF PAVEMENT UNLESS OTHERWISE INDICATED.
- THE ABBREVIATION SSRB SHALL REFER TO THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2007.
- A UNIFORMLY STRAIGHT SAW CUT SHALL BE MADE AT LOCATIONS WHERE PROPOSED NEW CONSTRUCTION WILL ABUT EXISTING HOT-MIX ASPHALT SURFACES. THE SAW CUT SHALL BE MADE FULL-DEPTH THROUGH THE EXISTING SURFACE. THIS WORK WILL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT ITEMS INVOLVED AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

* 03-00184-00-BR

LOCATION(S)	CH 20	
• MIXTURE USE(S)	6" HMA BINDER	2" HMA SURFACE
PG	PG 64-28	PG 64-28
DESIGN AIR VOIDS	4.0 % @ Ndes = 50	4.0 % @ Ndes = 50
MIX COMP (GRADATION)	IL 19.0	IL 9.5
FRICTION AGGREGATE	MIX C	MIX C

* PAID FOR AS HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 8"

GENERAL NOTES AND QUANTITIES

SECTION 03-00184-00-BR		CH 20 OVER STEVENS CR		DRAWN BY DATE
MACON COUNTY				DLB 7/09
				CHECKED BY DATE
				CAS 7/09
				BOOK NUMBER
				259
				PROJECT NO.
				4901
				SHEET NO.

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