

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 888	00-00065-00-BR	GALLATIN	22	2
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT-	

CONTRACT NO. 99232

SUMMARY OF QUANTITIES

CODE NO	ITEM	CONSTRUCTION CODE	
		UNIT	QUANTITY
20100110	TREE REMOVAL (6-15 UNITS DIAMETER)	UNIT	36
20200100	EARTH EXCAVATION	CU YD	130
20300100	CHANNEL EXCAVATION	CU YD	680
20700110	POROUS GRANULAR EMBANKMENT	TON	110
25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	2.2
28000400	PERIMETER EROSION BARRIER	FOOT	1,000
28101700	RIPRAP, SPECIAL	TON	880
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	70
40300100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	240
40600980	BITUMINOUS SURFACE REMOVAL - BUTT JOINT	SQ YD	235
42001165	BRIDGE APPROACH PAVEMENT	SQ YD	200
44000100	PAVEMENT REMOVAL	SQ YD	262
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	700
48101200	AGGREGATE SHOULDERS, TYPE B	TON	200
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50300160	NEOPRENE EXPANSION JOINT 4"	FOOT	60
50300225	CONCRETE STRUCTURES	CU YD	83.0
50300255	CONCRETE SUPERSTRUCTURE	CU YD	1.6
50400505	PRECAST PRESTRESSED CONCRETE DECK BEAM (27" DEPTH)	SQ FT	12,600
50500505	STUD SHEAR CONNECTORS	EACH	176
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	11,185
50901005	STEEL BRIDGE RAIL, TYPE SM	FOOT	846
51201800	FURNISHING STEEL PILES HP14X73	FOOT	7,240
51202700	DRIVING STEEL PILES	FOOT	7,240
51203800	TEST PILE STEEL HP14X73	EACH	2
51204315	CONCRETE ENCASEMENT	CU YD	67.2
51500100	NAME PLATES	EACH	1
58100200	WATERPROOFING MEMBRANE SYSTEM	SQ YD	1,400
58300100	PORTLAND CEMENT MORTAR FAIRING COURSE	FOOT	945
58700200	BRIDGE SEAT SEALER	SQ FT	280
63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	350
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	4
63100167	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	EACH	4
63200310	GUARDRAIL REMOVAL	FOOT	108
78001120	PAINT PAVEMENT MARKING - LINE 5"	FOOT	2,075
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
X4066416	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N70	TON	290
Z0000900	AGGREGATE BASE COURSE WIDENING	TON	155
67100100	MOBILIZATION	LSUM	1

> SEE SPECIAL PROVISIONS
* SPECIALTY ITEM

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 INCLUDED IN THE CONTRACT.
- THE LOCATIONS OF EXISTING 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.
- THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS UNTIL THE OWNER, HIS AGENT, OR A PROFESSIONAL LAND SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- THE REVISION NUMBER INDICATED FOR THE STANDARDS LISTED IN THE INDEX OF SHEETS SHALL BE USED IN THE CONSTRUCTION OF THIS SECTION.
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES

AGGREGATE SURFACE CSE., TY. B	2.05 TON/CU YD
RIPRAP, SPECIAL	1.75 TON/CU YD
POROUS GRANULAR EMBANKMENT	2.00 TON/CU YD
BITUMINOUS CONCRETE	112 LB/IN/SQ YD
AGGREGATE SHOULDERS	2.00 TON/CU YD
- THE AREA TO BE SEEDED SHALL CONSIST OF ALL EARTH SURFACES DISTURBED DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER. ESTIMATED QUANTITY = 2.2 ACRES
- TREES WITHIN THE RIGHT OF WAY AND EASEMENTS WHICH INTERFERE WITH CONSTRUCTION SHALL BE REMOVED ONLY AT THE DIRECTION OF THE ENGINEER.
- ALL PROPOSED CONSTRUCTION ACTIVITY SHALL BE IN ACCORDANCE WITH GENERAL CONDITION NUMBER 14 OF THE DEPARTMENT OF THE ARMY NATIONWIDE PERMIT AUTHORIZED UNDER SECTION 404 OF THE CLEAN WATER ACT. THE IEPA HAS ISSUED SECTION 401 WATER QUALITY CERTIFICATION FOR THIS ACTIVITY. SEE SPECIAL PROVISIONS.
- THE CONCRETE CURB SHALL BE EXCLUDED FROM THE BRIDGE APPROACH PAVEMENT.

LOCATION	FOOT
LT. STA. 11+97.04 TO STA. 12+22.95	26.0
RT. STA. 11+96.50 TO STA. 12+21.40	25.0
LT. STA. 7+76.32 TO STA. 8+04.74	28.4
RT. STA. 7+76.47 TO STA. 8+05.03	28.6
TOTAL	108

LOCATION	EACH
RT. STA. 6+26.05 TO STA. 6+76.05	1
LT. STA. 6+51.05 TO STA. 7+01.05	1
RT. STA. 13+00.21 TO STA. 13+50.21	1
LT. STA. 13+25.21 TO STA. 13+75.21	1
TOTAL	4

LOCATION	FOOT
LT. & RT. STA. 6+10 TO 8+40	500
LT. & RT. STA. 11+75 TO 14+00	500
TOTAL	1000

LOCATION	EACH
RT. STA. 7+76.05 TO STA. 7+89.30	1
LT. STA. 7+76.05 TO STA. 7+89.30	1
RT. STA. 12+11.96 TO STA. 12+25.21	1
LT. STA. 12+11.96 TO STA. 12+25.21	1
TOTAL	4

LOCATION	FOOT
WHITE EDGE LINE	
LT. & RT. STA. 5+70 TO STA. 14+00	1,660
DASHED YELLOW CENTERLINE	
STA. 5+70 TO STA. 14+00	415
TOTAL	2,075

LOCATION	FOOT
RT. STA. 6+76.05 TO STA. 7+76.05	100
LT. STA. 7+01.05 TO STA. 7+76.05	75
RT. STA. 12+25.21 TO STA. 13+00.21	75
LT. STA. 12+25.21 TO STA. 13+25.21	100
TOTAL	350

ROADWAY QUANTITIES SCHEDULE

LOCATION (STATION TO STATION)	AGG. BASE CSE. WID. 12" (SQ YD)	BC SURF. CS SP. C N70 (TON)	AGG. SHLD. TB. (6") (TON)	PAVEMENT REMOVAL (SQ YD)	BIT. MAT. PR. CT. (GALLON)	STRIP REF. CRACK CNTL. TREATMENT (FOOT)	BRIDGE APPROACH PAVEMENT (SQ YD)
5+70.00 TO 6+20.00	22.2	11.2	25.9	5.6	13.0	100	
6+20.00 TO 7+58.83	61.7	40.1	72.0	15.4	37.0	278	
7+58.83 TO 7+88.83			8.9	111.4			100
7+88.83 TO 12+11.17		160.0			141.0		
12+11.17 TO 12+41.17			8.9	111.4			100
12+41.17 TO 13+50.00	48.4	64.4	56.4	12.1	29.0	218	
13+50.00 TO 14+00.00	22.2	11.2	25.9	5.6	13.0	100	
TOTAL	154.5	286.9	198.0	261.5	233	696	200
USE	155	290	200	262	240	700	200

EARTHWORK SCHEDULE

LOCATION	EARTH EXCAVATION (CU YD)	SHRINKAGE FACTOR	PERCENT USED	AVAILABLE EXCAVATION (CU YD)	EMBANKMENT REQUIRED (CU YD)	EARTHWORK BALANCE (CU YD)
STA. 5+70 TO STA. 7+88.33	73	25%	100%	54	176	-122
STA. 7+88.33 TO STA. 12+11.76		25%	100%			
STA. 12+11.76 TO STA. 14+00	56	25%	100%	42	186	-144
CHANNEL EXCAVATION ENTRANCES	680	25%	70%	357		357
TOTAL	129			453	362	91
USE:	130					90

* AVAILABLE EXCAVATION = EXC. x (1-SHRINKAGE FACTOR) x % USED (WASTE)

HLR
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SUMMARY OF QUANTITIES AND GENERAL NOTES
SECTION 00-00065-00-BR
F.A.S. 888 / C.H. 11
GALLATIN COUNTY