

LOCATION OF WORK

CONSTRUCTION CODES
1000 & X081-2A

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
20100500	TREE REMOVAL, ACRES	ACRE	0.3
20200100	EARTH EXCAVATION	CU. YD.	668
20300100	CHANNEL EXCAVATION	CU. YD.	971
20400800	FURNISHED EXCAVATION	CU. YD.	3,234
20800150	TRENCH BACKFILL	CU. YD.	22
25000200	SEEDING, CLASS 2	ACRE	1.2
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	108
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	108
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	108
25100115	MULCH, METHOD 2	ACRE	1.2
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	120
28000305	TEMPORARY DITCH CHECKS	FOOT	120
28000400	PERIMETER EROSION BARRIER	FOOT	1,700
28000500	INLET AND PIPE PROTECTION	EACH	1
28100109	STONE RIPRAP, CLASS A5	SQ. YD.	1,060
28200200	FILTER FABRIC	SQ. YD.	1,060
35100100	AGGREGATE BASE COURSE, TYPE A	TON	263
35600708	HOT-MIX ASPHALT BASE COURSE WIDENING, 8"	SQ. YD.	479
40200100	AGGREGATE SURFACE COURSE, TYPE A	TON	12
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1,157
40600300	AGGREGATE (PRIME COAT)	TON	18
40600990	TEMPORARY RAMP	SQ. YD.	27
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	722
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	437
48203100	HOT-MIX ASPHALT SHOULDERS	TON	137
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50105220	PIPE CULVERT REMOVAL	FOOT	45
50200100	STRUCTURE EXCAVATION	CU. YD.	124
50300225	CONCRETE STRUCTURES	CU. YD.	91.6
50300280	CONCRETE ENCASEMENT	CU. YD.	30.6
50400505	PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH)	SQ. FT.	5,698
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	10,510
50800515	BAR SPLICERS	EACH	72
50901050	STEEL RAILING, TYPE SM	FOOT	320
51201600	FURNISHING STEEL PILES HP12x53	FOOT	270
51201700	FURNISHING STEEL PILES HP12x74	FOOT	448
51202305	DRIVING PILES	FOOT	270
51203600	TEST PILE STEEL HP12x53	EACH	2
51204650	PILE SHOES	EACH	12
51205200	TEMPORARY SHEET PILING	SQ. FT.	132
51500100	NAME PLATES	EACH	1
542D1075	PIPE CULVERTS, CLASS D, TYPE 2 30"	FOOT	320
58100200	WATERPROOFING MEMBRANE SYSTEM	SQ. YD.	634
58300100	PORTLAND CEMENT MORTAR FAIRING COURSE	FOOT	1,741
63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	FOOT	325
63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4
63200310	GUARDRAIL REMOVAL	FOOT	412
67100100	MOBILIZATION	L SUM	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1
70101205	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321 (SPECIAL)	EACH	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	15
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	3,053
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ. FT.	560
70400100	TEMPORARY CONCRETE BARRIER	FOOT	738
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	663
78200410	GUARDRAIL MARKERS, TYPE A	EACH	9
78200420	GUARDRAIL MARKERS, TYPE B	EACH	6
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2
Z0030350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2
Z0065000	SETTING PILES IN ROCK	EACH	14
X0323988	TEMPORARY SOIL RETENTION SYSTEM	SQ. FT.	259
X5020501	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 1	EACH	1
X5020502	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 2	EACH	1

GUARDRAIL SCHEDULE

STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS

STA. 104+30 TO 106+18, RT.	=	187.5 FT.
STA. 106+26 TO 106+39, LT.	=	12.5 FT.
STA. 108+86 TO 109+99, LT.	=	112.5 FT.
STA. 108+66 TO 108+78, RT.	=	12.5 FT.

TOTAL = 325 FT.

GUARDRAIL MARKERS

EACH		
LOCATION	TYPE	
S.N. 003-3050	A	B
RT. 104+40	1	-
RT. 105+00	1	-
RT. 105+60	1	-
RT. 106+20	1	-
RT. 106+80	-	1
RT. 107+40	-	1
RT. 108+00	-	1
RT. 108+60	1	-
LT. 106+30	1	-
LT. 106+90	-	1
LT. 107+50	-	1
LT. 108+10	-	1
LT. 108+70	1	-
LT. 109+30	1	-
LT. 109+90	1	-
TOTAL	9	6

EARTHWORK SCHEDULE
(SEE SPECIAL PROVISIONS)

LOCATION	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD
STA. 103+50 TO 106+72	203	152	2,180	-2,028
BRIDGE OMISSION				
STA. 108+32 TO 111+50	465	349	2,284	-1,935
SUBTOTAL	668	501	4,453	-3,962
ALLOWANCE FOR 75% OF CHANNEL EXCAVATION IN EMBANKMENT				+728
TOTAL				-3,234

NOTE: SCHEDULE ASSUMES A 25% SHRINKAGE FACTOR.

GENERAL NOTES

- ALL ELEVATIONS REFER TO U.S.G.S. MEAN SEA LEVEL.
- UTILITIES ARE SHOWN IN ACCORDANCE WITH THE BEST AVAILABLE INFORMATION AND THEIR TRUE LOCATION IS NOT GUARANTEED TO BE AS SHOWN ON THE PLANS. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF ALL UTILITIES AND CARRY ON HIS OPERATIONS ACCORDINGLY.
- THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR VARIOUS BITUMINOUS LIFTS.

COMMITMENTS

- ALL EMERGENCY, SCHOOL AND POSTAL SERVICES WILL BE NOTIFIED BEFORE CONSTRUCTION BEGINS.

APPLICATION RATES

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

NITROGEN FERTILIZER NUTRIENT	90 LBS/ACRE	BITUMINOUS CONCRETE	112 LBS/SY/IN
PHOSPHORUS FERTILIZER NUTRIENT	90 LBS/ACRE	BITUMINOUS MATERIALS (PRIME COAT)	
POTASSIUM FERTILIZER NUTRIENT	90 LBS/ACRE	BITUMINOUS/OIL & CHIP SURFACE	0.08 GAL/SY
MULCH METHOD 2	2 TONS/ACRE	AGGREGATE SURFACE	0.375 GAL/SY
GRANULAR MATERIAL	2.05 TONS/CY	AGGREGATE (PRIME COAT)	
RIPRAP	1.6 TONS/CY	BITUMINOUS/OIL & CHIP SURFACE	3 LBS/SY
		AGGREGATE SURFACE	5 LBS/SY

ENTRANCE SCHEDULE

LOCATION			AGG. SURFACE COURSE, TYPE A
STA.	TYPE		TON
104+02	LT. ACCESS		12
111+50	LT. F.E.		0
111+50	RT. F.E.		0

* THESE ITEMS ARE CONSIDERED SPECIALTY ITEMS.

△ REVISED 5-21-10

EXTRA BARS FOR TEST SAMPLES

BAR	NO.	SIZE	LENGTH	SHAPE
h1(E)	1	#7	14'-5"	—
h2(E)	1	#4	17'-5"	—
u(E)	1	#6	10'-4"	⌋
v(E)	1	#5	6'-4"	—

THESE BARS SHALL BE IDENTICAL TO AND DELIVERED WITH THE BARS OF THE SAME MARK LISTED IN THE STRUCTURE SHEETS. ONE BAR OF EACH OF THESE MARKS WILL BE SELECTED BY THE ENGINEER TO BE USED AS A TEST SAMPLE.

THIS CHART ASSUMES THAT ALL BARS OF THE SAME SIZE ON THE JOB WILL HAVE THE SAME HEAT NUMBER. IF BARS OF THE SAME SIZE ON THE JOB HAVE DIFFERENT HEAT NUMBERS, THEN THE CONTRACTOR SHALL SUPPLY ADDITIONAL BARS FROM OTHER HEAT NUMBERS FOR SAMPLING BY THE ENGINEER AT NO ADDITIONAL COST.

TREE REMOVAL SCHEDULE

LOCATION	ACRES
STA. 105+67 TO STA. 108+74, LT.	0.18
STA. 105+35 TO STA. 107+66, RT.	0.12
TOTAL	0.3

FILE NAME = h:\5250\02_sqty_5250.dgn

USER NAME = JUSERDESCR...
DRAWN - K.H.L.
CHECKED - L.D.G.
PLOT SCALE = 10,000' / IN.
PLOT DATE = 5/17/2010

DESIGNED - K.M.M.
REVISIONS - MAY 7, 2010
REVISIONS -
REVISIONS -
DATE -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
AND SCHEDULES

F.A.S. SECTION COUNTY TOTAL SHEET
RTE. 783 02-00074-00-BR BOND 25 2
S.N. 003-3050 CONTRACT NO. 97446

ILLINOIS FED. AID PROJECT