

SUMMARY OF QUANTITIES

CODE #	ITEM NAME	UNIT	QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNITS	140.0
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNITS	33.0
20200100	EARTH EXCAVATION	CU YD	28.0
20400000	FURNISHED EXCAVATION	CU YD	245.0
* 25000314	SEEDING, CLASS 4B	ACRE	0.50
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	50
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	50
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	50
25100115	MULCH METHOD 2	ACRE	0.50
28000250	TEMPORARY EROSION CONTROL SEEDING	FOOT	50
28000300	TEMPORARY DITCH CHECKS	FOOT	60
28000400	PERIMETER EROSION BARRIER	FOOT	568
40600290	BITUMINOUS MATERIALS (TACK COAT)	LBS	285
40600627	LEVELING BINDER (MACHINE METHOD), IL 9.5 FG N50	TON	73.0
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	75.0
44000100	PAVEMENT REMOVAL	SQ YD	219
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	633
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	166
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50200100	STRUCTURE EXCAVATION	CU YD	275.0
50201101	COFFERDAM (TYPE 1) (LOCATION 1)	EACH	1
50201102	COFFERDAM (TYPE 1) (LOCATION 2)	EACH	1
50300100	FLOOR DRAINS	EACH	28
50300225	CONCRETE STRUCTURES	CU YD	146.2
50300255	CONCRETE SUPERSTRUCTURE	CU YD	234.6
50300260	BRIDGE DECK GROOVING	SQ YD	795
50300300	PROTECTIVE COAT	SQ YD	1,029
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	98.0
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1
50500505	STUD SHEAR CONNECTORS	EACH	4,698
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	102,440
51201400	FURNISHING STEEL PILES HP10X42	FOOT	1,475
51202305	DRIVING PILES	FOOT	1,475
51203400	TEST PILE STEEL HP10X42	EACH	4
51204650	PILE SHOES	EACH	30
51500100	NAME PLATES	EACH	1
52100520	ANCHOR BOLTS, 1"	EACH	48
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	76
Δ 83000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	100.0
Δ 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4
Δ 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4
Δ 63200310	GUARDRAIL REMOVAL	FOOT	152.0
Δ 67100100	MOBILIZATION	L SUM	1
Δ 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1,089
* X2070304	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	146.0
* X7011830	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	EACH	1
* XX004565	GROUTED RIPRAP	SQ YD	445
* XX004568	CONCRETE CUT-OFF WALL	CU YD	6.9
* 20013798	CONSTRUCTION LAY OUT	L SUM	1
* 20029090	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	742
* 20046304	PIPE UNDERDRAINS FOR STRUCTURES, 4"	FOOT	140

EARTHWORK SCHEDULE	WEST APPROACH	EAST APPROACH	TOTAL
	CU YD	CU YD	CU YD
EARTH EXCAVATION	14.6	13.6	28.2
TOTAL CUT	15.0	14.0	28.0
EMBANKMENT	120.1	98.4	218.5
TOTAL FILL	120.0	98.0	218.0
BORROW = [FILL - (Excavation/1.25)] * 1.25	135.0	109.0	245.0
BORROW = FURNISHED EXCAVATION			245.0

1.25 REPRESENTS 25% SHRINKAGE FACTOR



ILLINOIS
IOWA
WISCONSIN

OWNER/DEVELOPER:
CHAMPAIGN COUNTY HIGHWAY DEPARTMENT
1605 EAST MAIN STREET
URBANA, IL 61802

PROJECT AND LOCATION:
CHAMPAIGN COUNTY BRIDGE REPLACEMENT
C.H. 16 (FAS 527)
EXISTING S.N. 010-0251
PROPOSED S.N. 010-4575
SECTION NO: 15-00028-00-BR

DRAWN BY: MG
APPROVED BY: KEB
DATE: 3/1/2018
SCALE: N/A

REVISIONS		
REV. NO.	DESCRIPTION	DATE
1	ADDENDUM NO. 1	3/1/18

DRAWING: SUMMARY AND SCHEDULE OF QUANTITIES

JOB NUMBER:
16-656
SHEET NUMBER:
03 of 29

SCHEDULE OF QUANTITIES

44000157 HOT-MIX ASPHALT SURFACE REMOVAL, 2"		
LOCATION TO LOCATION		SQ YD
97+75	98+81	259
101+19	102+50	374
TOTAL		633

63200310 GUARDRAIL REMOVAL			
LOCATION TO LOCATION			FOOT
LT	98+88	99+26	38.0
RT	98+76	99+14	38.0
LT	100+86	101+24	38.0
RT	100+74	101+12	38.0
TOTAL			152.0

44000100 PAVEMENT REMOVAL		
LOCATION TO LOCATION		SQ YD
98+81	99+22	97
100+78	101+19	121
TOTAL		219

25000314 SEEDING CLASS 4B AND 25100115 MULCH METHOD 2				28000250 TEMPORARY EROSION CONTROL SEEDING	
LOCATION TO LOCATION		ACRE		POUND	
97+75	99+14	LT	0.13	13.0	
97+75	98+95	RT	0.12	12.0	
101+05	102+50	LT	0.13	13.0	
100+86	102+50	RT	0.12	12.0	
TOTAL			0.50	50.0	

NOTE: TEMPORARY EROSION CONTROL SEEDING IS APPLIED AT A RATE OF 100 LB / ACRE.
NOTE: NITROGEN, PHOSPHOROUS & POTASSIUM FERTILIZER NUTRIENTS ARE APPLIED AT A RATE OF 90 LB / ACRE.

28000400 PERIMETER EROSION BARRIER					
LOCATION TO LOCATION				FOOT	
97+75	48' RT.	98+95	48' RT.	120.0	
97+75	48' LT.	99-14	48' LT.	139.0	
100+86	48' RT.	102+50	48' RT.	164.0	
101+05	48' LT.	102+50	48' LT.	145.0	
TOTAL				568.0	

28000300 TEMPORARY DITCH CHECKS		
STATION		FOOT
98+00	LT	6.0
98+00	LT	6.0
98+50	RT	6.0
98+50	RT	6.0
99+00	LT	6.0
101+00	RT	6.0
101+50	RT	6.0
102+00	RT	6.0
101+50	LT	6.0
102+00	LT	6.0
TOTAL		60.0

20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER)		
LOCATION TO LOCATION		UNITS
40' RT.	99+35	6.0
40' RT.	99+35	8.0
40' RT.	99+35	6.0
49' RT.	100+07	15.0
41' RT.	100+27	6.0
41' RT.	100+27	6.0
41' RT.	100+27	10.0
41' RT.	100+27	8.0
41' RT.	100+27	6.0
41' RT.	100+27	6.0
41' RT.	100+27	12.0
43' RT.	100+73	10.0
42' RT.	100+77	10.0
42' RT.	101+05	12.0
42' RT.	101+20	12.0
TOTAL		140.0

48203021 HOT-MIX ASPHALT SHOULDERS, 6"			
LOCATION TO LOCATION			SQ YD
RT	97+75	98+75	44.0
LT	97+75	98+87	49.0
RT	101+13	102+00	39.0
LT	101+24	102+00	34.0
TOTAL			166.0

20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER)		
LOCATION TO LOCATION		UNITS
45' RT.	100+34	16.0
46' RT.	100+63	17.0
TOTAL		33.0

40600627 LEVELING BINDER (MACHINE METHOD), IL 9.5 FG N50				
STATION TO STATION		AREA SF	THICK INCHES	TON
97+75	98+81	2480	VAR. 0" TO 4 1/8"	33.8
101+19	102+02	1963	VAR. 1 1/2" TO 2 5/8"	24.2
102+02	102+50	1520	VAR. 2 5/8" TO 0"	11.7
CONTINGENCY				2.7
TOTAL				73.0

40603310 HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50				
STATION TO STATION		AREA SF	THICK INCHES	TON
97+75	98+81	2333	2	29.0
101+19	102+50	3364	2	41.9
CONTINGENCY				3.5
TOTAL				75.0

406000290 BITUMINOUS MATERIALS (TACK COAT)				
STATION TO STATION		AREA SF		LBS
97+75	98+81	2333		117
101+19	102+50	3364		168
TOTAL				285

78001110 PAINT PAVEMENT MARKING - LINE 4"					
		LINE 4" WHITE	LINE 4" YELLOW		
		EDGE SOLID	C/L SKIP		
STATION TO STATION		FOOT	FOOT		
97+75.00	102+50.00	950	118.75		
TOTAL		950	119		

20029090 DIAMOND GRINDING (BRIDGE SECTION)		
LOCATION TO LOCATION		SQ YD
98+80.83	101+19.17	742.0
TOTAL		742.0