

CONSTRUCTION TYPE CODE: X071-2A

ITEM NO.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CH 8 QUANTITY	TR 271A QUANTITY
1	20100500	TREE REMOVAL, ACRES	ACRE	0.88	0.30	0.58
2	20101000	TEMPORARY FENCE	FOOT	200	200	0
3	20200410	EARTH EXCAVATION (SPECIAL)	CU YD	2,438	2,271	167
4	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	283	266	17
5	20300100	CHANNEL EXCAVATION	CU YD	1,592	77	1515
6	20400800	FURNISHED EXCAVATION	CU YD	54,909	46,031	8,878
7	20700110	POROUS GRANULAR EMBANKMENT	TON	1,242	566	676
8	20800150	TRENCH BACKFILL	CU YD	23	23	0
9	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	5,589	3509	2080
10	25001100	SEEDING, CLASS 3 (SPECIAL)	ACRE	4.90	3.54	1.36
11	25100630	EROSION CONTROL BLANKET	SQ YD	23,716	17,134	6,582
12	28000255	TEMPORARY EROSION CONTROL SEEDING	ACRE	4.90	3.54	1.36
13	28000305	TEMPORARY DITCH CHECKS	FOOT	50	50	0
14	28000400	PERIMETER EROSION BARRIER	FOOT	4,892	2,085	2,807
15	28000500	INLET AND PIPE PROTECTION	EACH	10	10	0
16	28100208	STONE RIPRAP, CLASS A4 (SPECIAL)	TON	137	137	0
17	28100210	STONE RIPRAP, CLASS A5 (SPECIAL)	TON	360	0	360
18	28100705	STONE DUMPED RIPRAP, CLASS A3	SQ YD	336	336	0
19	31101000	SUB-BASE GRANULAR MATERIAL, TYPE B	TON	3,398	2,606	792
20	35100100	AGGREGATE BASE COURSE, TYPE A	TON	1,581	1,185	396
21	35101400	AGGREGATE BASE COURSE, TYPE B	TON	577	465	112
22	40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	3,770	2,737	1,033
23	40600300	AGGREGATE (PRIME COAT)	TON	10	7	3
24	40603100	HOT-MIX ASPHALT BINDER COURSE, IL-19.0L, N30	TON	996	853	143
25	40603305	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N30	TON	541	407	134
26	40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	39	39	0
27	42001430	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	SQ YD	976	488	488
28	48101600	AGGREGATE SHOULDERS, TYPE B 8"	SQ YD	997	728	269
29	48203015	HOT-MIX ASPHALT SHOULDERS, 4 1/2"	SQ YD	1,259	851	408
30	50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1	1	0
31	50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1	0	1
32	50104800	REMOVAL OF EXISTING CONCRETE DECK	L SUM	1	1	0
33	50157300	PROTECTIVE SHIELD	SQ YD	593	593	0
34	50200100	STRUCTURE EXCAVATION	CU YD	1,980	287	1,693
35	50300100	FLOOR DRAINS	EACH	28	28	0
36	50300225	CONCRETE STRUCTURES	CU YD	693.0	315.7	377.3
37	50300255	CONCRETE SUPERSTRUCTURE	CU YD	652.8	531.6	121.2
38	50300260	BRIDGE DECK GROOVING	SQ YD	1,740	1,322	418
39	50300300	PROTECTIVE COAT	SQ YD	2,221	1,728	493
40	50300540	FLOOR DRAINS (SPECIAL)	EACH	12	0	12
41	50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1	1	0
42	50500505	STUD SHEAR CONNECTORS	EACH	8,504	3,830	4,674
43	50600300	CLEANING AND PAINTING STEEL BRIDGE	L SUM	1	0	1
44	50606400	CONTAINMENT AND DISPOSAL OF LEAD BASED CLEANING RESIDUES	L SUM	1	0	1
45	50800105	REINFORCEMENT BARS	POUND	102,690	90,100	12,590
46	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	242,120	164,070	78,050
47	50800515	BAR SPLICERS	EACH	62	62	0
48	51200957	FURNISHING METAL SHELL PILES 12" X 0.25"	FOOT	1,734	1,734	0
49	51200959	FURNISHING METAL SHELL PILES 14" X 0.312"	FOOT	1,236	1,236	0
50	51201900	FURNISHING STEEL PILES HP 14 X 89	FOOT	4,428	0	4,428
51	51202305	DRIVING PILES	FOOT	7,398	2,970	4,428
52	51203200	TEST PILE METAL SHELLS	EACH	4	4	0
53	51203900	TEST PILE STEEL HP 14 X 89	EACH	2	0	2
54	51205200	TEMPORARY SHEET PILING	SQ FT	2,505	2,505	0
55	51500100	NAME PLATES	EACH	3	2	1
56	52000110	PREFORMED JOINT STRIP SEAL	FOOT	58	34	24
57	52100010	ELASTOMERIC BEARING ASSEMBLY, Type I	EACH	5	5	0
58	52100020	ELASTOMERIC BEARING ASSEMBLY, Type II	EACH	5	5	0
59	52100400	STEEL BEARING ASSEMBLY	EACH	4	0	4
60	52100505	ANCHOR BOLTS, 5/8"	EACH	10	10	0
61	52100520	ANCHOR BOLTS, 1"	EACH	20	20	0
62	52100530	ANCHOR BOLTS, 1 1/4"	EACH	32	20	12
63	54002020	EXPANSION BOLTS 3/4 INCH	EACH	94	94	0
64	54003000	CONCRETE BOX CULVERTS	CU YD	494.4	494.4	0
65	542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	FOOT	135	135	0

ITEM NO.	CODE NO.	ITEM	UNIT	QUANTITY	CH 8 QUANTITY	TR 271A QUANTITY
66	542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	45	45	0
67	542A0235	PIPE CULVERTS, CLASS A, TYPE 1 30"	FOOT	50	50	0
68	542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	82	82	0
69	542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	60	60	0
70	54213447	END SECTIONS 12"	EACH	2	2	0
71	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1	1	0
72	54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	6	6	0
73	54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2	2	0
74	54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	2	2	0
75	54213870	STEEL END SECTIONS 15"	EACH	6	6	0
76	54213879	STEEL END SECTIONS 24"	EACH	2	2	0
77	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	26	26	0
78	58700300	CONCRETE SEALER	SQ FT	215	215	0
79	59000200	EPOXY CRACK INJECTION	FOOT	87	87	0
80	59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	361	112	249
81	60100945	PIPE DRAINS 12"	FOOT	16	16	0
82	60107700	PIPE UNDERDRAINS 6"	FOOT	6,046	4,364	1,682
83	60108200	PIPE UNDERDRAINS 6" (SPECIAL)	FOOT	138	108	30
84	60109580	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	209	209	0
85	60600095	CLASS SI CONCRETE (OUTLET)	CU YD	4.6	4.6	0.0
86	60602500	CONCRETE GUTTER, TYPE A	FOOT	264	264	0
87	60603400	GUTTER OUTLET (SPECIAL)	EACH	1	1	0
88	60900140	TYPE B INLET BOX, STANDARD 609006	EACH	2	2	0
89	60900515	CONCRETE THRUST BLOCKS	EACH	2	2	0
90	63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	FOOT	350	350	0
91	63004011	WEATHERING STEEL TRAFFIC BARRIER TERMINAL, TYPE 1, (SPECIAL) TANGENT	EACH	4	0	4
92	63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	4	0	4
93	63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4	0
94	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1, (SPECIAL) TANGENT	EACH	4	4	0
95	63200310	STEEL PLATE BEAM GUARD RAIL REMOVAL	FOOT	2,065	855	1210
96	63300315	REMOVAL AND REINSTALLATION OF EXISTING TERMINAL SECTION, SINGLE RAIL	EACH	4	4	0
97	63300575	REMOVE AND RE-ERECT RAIL ELEMENT OF EXISTING GUARD RAIL	FOOT	667	667	0
98	63302700	REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4	0
99	66407000	CHAIN LINK GATES, 5' X 18' DOUBLE	EACH	1	1	0
100	66502000	WOVEN WIRE GATES, 4' X 24' DOUBLE	EACH	2	2	0
101	66500105	WOVEN WIRE FENCE, 4'	FOOT	408	408	0
102	66503200	BARBED WIRE FENCE, FIVE STRAND	FOOT	646	646	0
103	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	16	16	0
104	67100100	MOBILIZATION	L SUM	1.0	0.8	0.2
105	70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1.0	0.8	0.2
106	70300100	SHORT-TERM PAVEMENT MARKING	FOOT	480	0	0
107	72000100	SIGN PANEL - TYPE 1	SQ FT	67	67	0
108	72900100	METAL POST - TYPE A	FOOT	124	124	0
109	78001100	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	61	61	0
110	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	6,138	6,138	0
111	78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	52	52	0
112	78200410	GUARDRAIL MARKERS, TYPE A	EACH	15	9	6
113	78200420	GUARDRAIL MARKERS, TYPE B	EACH	14	10	4
114	78300100	PAVEMENT MARKING REMOVAL	SQ FT	160	0	0
115	C2002560	SHRUB, EUONYMUS ALATA (WINGED EUONYMUS), 5' HEIGHT, BALLED AND BURLAPPED	EACH	13	13	0
116	X0325305	STRUCTURE REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	123	123	0
117	X0325644	HIGH LOAD MULTI-ROTATION BEARINGS, GUIDED EXPANSION, 400K	EACH	5	5	0
118	X5020501	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 1	EACH	1	0	1
119	X5020502	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 2	EACH	1	0	1
120	XX005699	BITUMINOUS SURFACE TREATMENT, A-3 SPECIAL	SQ YD	628	628	0
121	XX006493	WEATHERING STEEL PLATE BEAM GUARD RAIL, SPECIAL	FOOT	200	0	200
122	Z0005400	BREAKER-RUN CRUSHED STONE	TON	989	954	35
123	Z0013798	CONSTRUCTION LAYOUT	L SUM	1.0	0.8	0.2
124	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1	0
125	Z0076600	TRAINEEES	HOUR	1,000	800	200
126	XX008384	RELOCATE EXISTING BRIDGE	L SUM	1	1	0
127	28100206	STONE RIPRAP, CLASS A3 (SPECIAL)	TON	900	900	0
128	28100214	STONE RIPRAP, CLASS A7 (SPECIAL)	TON	344	344	0
129	XX006489	FIXED HINGE PIN ASSEMBLY	EACH	4	0	4

+Y080  
 Δ SPECIALTY ITEMS

\*INDICATES SPECIAL PROVISION, GENERAL NOTE, OR DETAIL

DATE \_\_\_\_\_ BY \_\_\_\_\_  
 PLAN  
 DESIGNED \_\_\_\_\_ CHECKED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 NO. \_\_\_\_\_  
 FILE NAME \_\_\_\_\_

DATE \_\_\_\_\_ BY \_\_\_\_\_  
 PROFILE  
 GRADES CHECKED \_\_\_\_\_  
 NOTATIONS CHECKED \_\_\_\_\_  
 NO. \_\_\_\_\_  
 FILE NAME \_\_\_\_\_

FILE NAME = S:\STRUCT\1066005Bureau\County\Design\COVER C.dgn

**WILLET, HOFMANN & ASSOCIATES, INC.**  
**CONSULTING ENGINEERS**  
 809 East Second Street Dixon, IL 61021  
 Phone 815.284.3391 Fax 815.284.3385  
 Design Firm # 184-00918  
 www.willett-hofmann.com

USER NAME =	DESIGNED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -
	DATE -	REVISED -

**BUREAU COUNTY**  
**BRIDGE REPLACEMENT**  
**FAS 188 (C.H. 8) OVER IAIS RAILROAD & THE HENNIPEN CANAL**

**SUMMARY OF QUANTITIES**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00195-00-BR	BUREAU	127	2
STA.	TO STA.	CONTRACT NO.	87380	
FED. ROAD DIST. NO. 7	(ILLINOIS) FED. AID PROJECT	BRS-0188(118)		