

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	2003-028F	COOK	419	131
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62580

TOTAL BILL OF MATERIALS

ITEM DESCRIPTION	UNIT	QUANTITY	SN 016-0137	SN 016-1047	SN 016-1059	SN 016-1070	SN 016-1110	SN 016-1111	SN 016-1112	SN 016-1113	SN 016-1114	SN 016-1115	SN 016-1116	SN 016-1117	SN 016-1118	SN 016-1140
CONCRETE REMOVAL	CU YD	1,158.0	109.5	39.5	31.0	-	57.5	50.8	200.0	147.8	13.6	165.4	16.4	209.5	84.8	32.2
CONCRETE SUPERSTRUCTURE	CU YD	1,289.0	120.5	45.0	35.0	-	56.1	59.0	225.4	169.6	15.4	185.0	19.0	214.0	96.0	39.0
BRIDGE DECK GROOVING	SQ YD	97,841	10,695	2,420	2,069	1,614	6,248	7,957	16,595	14,115	3,012	12,176	4,065	10,207	4,566	2,102
PROTECTIVE COAT	SQ YD	3,340	292	176	107	-	76	74	655	409	42	455	55	622	272	105
ERECTING ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	127	74	-	-	-	21	32	-	-	-	-	-	-	-	-
ERECTING ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	16	-	-	-	-	-	16	-	-	-	-	-	-	-	-
FORMED CONCRETE REPAIR (DEPTH GREATER THAN 5")	SQ FT	355.2	-	68.2	-	-	-	-	-	17.6	50.4	38.1	-	106.1	61.0	13.8
ERECTING STRUCTURAL STEEL	L SUM	1	0.08	-	-	-	0.27	0.25	-	0.23	-	-	0.05	0.12	-	-
JACK AND REMOVE EXISTING BEARINGS	EACH	153	74	-	-	-	21	48	-	-	-	-	-	-	-	-
STRUCTURAL STEEL REPAIR	POUND	15,488	-	-	-	2,435	-	490	60	1,920	6,698	1,875	115	955	940	-
REINFORCEMENT BARS, EPOXY COATED	POUND	180,010	21,120	8,050	5,410	-	3,700	2,230	41,460	21,820	2,610	22,110	2,800	29,740	13,440	5,520
EPOXY CRACK SEALING	FOOT	628.9	75.4	113.9	1.2	-	4.6	15	192.1	134.6	-	50.7	-	31.6	-	9.8
CATCH BASINS TO BE CLEANED	EACH	147	14	3	1	-	8	22	27	18	3	24	-	23	4	-
MODULAR GLARE SCREEN SYSTEM	FOOT	50	-	-	-	-	-	-	50	-	-	-	-	-	-	-
ANCHOR BOLTS	EACH	326	148	-	-	-	42	96	-	-	-	-	40	-	-	-
HIGH PERFORMANCE ENHANCED SHOTCRETE	SQ FT	7,029	187.8	270.6	184.0	-	126.2	212.9	645.6	2,124.5	450.1	870.1	107.5	891.7	710.8	247.2
SILICONE JOINT SEALER, 1"	FOOT	70	-	42	-	-	28	-	-	-	-	-	-	-	-	-
MECHANICAL SPLICER	EACH	958	-	-	-	-	312	262	-	254	-	-	-	130	-	-
CLEANING BRIDGE SCUPPERS AND DOWNSPOUTS	EACH	245	21	3	3	4	19	23	39	17	10	31	16	34	21	4
BRIDGE JOINT SYSTEM (EXPANSION), 1"	FOOT	414.9	97.7	54.0	-	-	-	-	-	-	-	-	82.2	100.6	53.4	27.0
BRIDGE JOINT SYSTEM (EXPANSION), 1-5/8"	FOOT	1,550.4	-	-	27.2	-	23.0	-	313.7	244.3	-	346.3	-	464.6	131.3	-
BRIDGE JOINT SYSTEM (FIXED)	FOOT	584.4	-	88.9	-	-	23.0	69.1	175.3	117.1	-	-	-	32.1	51.8	27.1
ERECTING FLOATING BEARINGS, GUIDED EXPANSION - 400K	EACH	3	-	-	-	-	-	-	-	-	-	-	3	-	-	-
ERECTING FLOATING BEARINGS, GUIDED EXPANSION - 550K	EACH	7	-	-	-	-	-	-	-	-	-	-	7	-	-	-
FURNISHING TEMPORARY CONCRETE BARRIER	FOOT	570	40	-	-	-	30	160	100	90	-	-	-	150	-	-
BRIDGE DRAINAGE SYSTEM REPAIRS	FOOT	364	37	10	-	-	15	32	78	23	15	39	-	107	8	-
STRIP SEAL EXPANSION JOINT ASSEMBLY	FOOT	3,109	427.2	133.8	147.2	-	23.0	46.0	707.9	451.2	93.7	425.4	-	327.3	195.7	130.6
BAR SPLICERS	EACH	1,354	120	36	-	-	48	48	362	252	36	254	23	175	-	-
BRIDGE DECK MICROSILICA CONCRETE OVERLAY, 2 1/4"	SQ YD	98,764	10,700	2,475	2,140	1,729	6,440	8,120	16,525	14,290	3,090	12,210	4,145	10,140	4,565	2,195
BRIDGE DECK HYDRO-SCARIFICATION, 1/2"	SQ YD	98,764	10,700	2,475	2,140	1,729	6,440	8,120	16,525	14,290	3,090	12,210	4,145	10,140	4,565	2,195
CLEANING BRIDGE SEATS	SQ FT	35,556	3,855	910	630	290	1,720	3,132	6,390	6,970	625	4,090	580	3,754	1,460	1,150
DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	140	7.5	7.5	7.5	7.5	7.5	7.5	15	7.5	12.5	25	7.5	12.5	7.5	7.5
PROTECTIVE SHIELD	SQ YD	39,910	1,371	733	672	907	4,451	2,064	3,656	4,976	1,540	6,328	4,427	4,274	3,574	937
TEMPORARY SHORING AND CRIBBING	EACH	3	-	-	-	-	-	-	-	-	-	-	1	1	1	-
ADJUSTING DRAINAGE SCUPPERS, TYPE A	EACH	107	10	2	-	-	8	11	26	3	-	8	8	27	2	2
ADJUSTING DRAINAGE SCUPPERS, TYPE B	EACH	26	-	-	-	-	-	-	1	2	10	3	-	7	3	-
ADJUSTING DRAINAGE SCUPPERS, TYPE C	EACH	109	11	1	-	4	11	12	12	-	20	8	-	16	2	-
BRIDGE DECK THERMOGRAPHY	SQ YD	98,764	10,700	2,475	2,140	1,729	6,440	8,120	16,525	14,290	3,090	12,210	4,145	10,140	4,565	2,195
COLUMN REPAIR	L SUM	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-
ERECTING FABRIC REINFORCED ELASTOMERIC TROUGH	FOOT	487	-	-	-	-	155	131	-	133	-	-	-	68	-	-

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
Chicago, Illinois
312.228.0100
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
NB DAN RYAN ELEVATED BRIDGE
REPAIR FROM 15TH TO 28TH STREETS
STRUCTURAL
TOTAL BILL OF MATERIALS
SCALE: N/A
DATE: 8/12/2005
DRAWN BY: BDC
CHECKED BY: BLU

1164637 AM 8/17/2005