



DICK DRAKE WAY OVERPASS AT CPRR
CITY OF MUSCATINE, IA
ESTIMATED CONCEPT PROJECT QUANTITIES



Item No.	Item	Unit	Unit Price	Quantity	Cost
1	EARTHWORK, EMBANKMENT	CY	\$ 15.00	62,750	\$ 941,250.00
2	PCC PAVEMENT, 10-IN (DICK DRAKE WAY)	SY	\$ 85.00	6,650	\$ 565,250.00
3	PCC PAVEMENT, 7-IN (SITE ACCESS)	SY	\$ 75.00	4,675	\$ 350,625.00
4	MODIFIED SUBBASE	CY	\$ 45.00	1,890	\$ 85,050.00
5	RECREATIONAL TRAIL, PCC, 5-IN	SY	\$ 50.00	1,090	\$ 54,500.00
6	RR OVERPASS STRUCTURE, PPCB BRIDGE	SF	\$ 205.00	10,692	\$ 2,191,860.00
7	DRAINAGE (8% OF CONSTRUCTION)	LS	\$ 485,500.00	1	\$ 485,500.00
8	EROSION CONTROL (1% OF CONSTRUCTION)	LS	\$ 60,750.00	1	\$ 60,750.00
9	TYPICAL UTILITIES (4% OF CONSTRUCTION)	LS	\$ 242,750.00	1	\$ 242,750.00
10	INCIDENTAL (10% OF CONSTRUCTION)	LS	\$ 607,000.00	1	\$ 607,000.00
11	MOBILIZATION (8% OF CONSTRUCTION)	LS	\$ 485,500.00	1	\$ 485,500.00
SUBTOTAL CONSTRUCTION COSTS					\$ 6,070,035.00
12	CONTINGENCY (20% OF CONSTRUCTION)	LS	\$1,214,000.00	1	\$ 1,214,000.00
TOTAL - OPINION OF PROBABLE CONSTRUCTION COSTS (OPCC)					\$ 7,284,035.00
13	ROW ACQUISITION	ACRE	\$ 50,000.00	2	\$ 100,000.00
14	PRELIMINARY ENGINEERING (15% OF CONSTRUCTION)	LS	\$ 910,500.00	1	\$ 910,500.00
15	CONSTRUCTION ENGINEERING (15% OF CONSTRUCTION)	LS	\$ 910,500.00	1	\$ 910,500.00
ESTIMATED PROJECT COST OPINION					\$ 9,205,035.00

ELIGIBLE GRANT COSTS PLANNING GRANT	\$ 910,500.00
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RR CROSSING ELIMINATION PROGRAM - FEDERAL FUNDS (80%)	\$ 728,400.00
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RR CROSSING ELIMINATION PROGRAM - LOCAL FUNDS (20%)	\$ 182,100.00
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-30%	AACE Class 4 Estimate	+50%
\$5,098,825	\$7,284,035	\$10,926,053

ASSUMPTIONS

Analysis based on review of recent bridge projects let by Iowa Dot and bid item analysis of Iowa Dot recent lettings.
 No Dewatering included