

**TABLE 3: DETAILED PROJECT COST ESTIMATE**  
**SIOUX CITY**  
**TIGER GRANT APPLICATION**

ITEM	SUB-ITEMS	COST PER UNIT	QUANTITY	TOTAL COST
<b>GRADING</b>	Clearing & Grubbing	\$ 65,835.00 / L. S.	1.00	\$ 65,835
	Embankment In-Place, Contractor Furnished	\$ 10.45 / C.Y.	43,300.00	\$ 452,485
	Excavation, Class 10, Roadway and Borrow	\$ 8.36 / C.Y.	2,400.00	\$ 20,064
	Topsoil, Strip, Salvage and Spread	\$ 8.36 / C.Y.	6,900.00	\$ 57,684
	Special Compaction of Subgrade	\$ 940.50 / Sta.	43.00	\$ 40,442
	Subgrade Stabilization	\$ 31.35 / S.Y.	22,694.70	\$ 711,479
	Removal of Curb	\$ 888.25 / Sta.	5.50	\$ 4,885
	Retaining Walls	\$ 52.25 / S.F.	9,500.00	\$ 496,375
	Ground Improvements	\$ 836,000.00 / L.S.	1.00	\$ 836,000
				<b>Subtotal</b>
<b>DRAINAGE</b>	Intakes	\$ 6,897.00 / Ea.	34.00	\$ 235,000
	Manholes	\$ 21,131.99 / Ea.	9.00	\$ 191,000
	Pipe	\$ 244.53 / L.F.	4,706.00	\$ 1,151,000
	Removals	\$ 49,115.00 / L.S.	1.00	\$ 50,000
	Miscellaneous	\$ 3,135.00 / L.S.	1.00	\$ 4,000
			<b>Subtotal</b>	<b>\$ 1,631,000</b>
<b>SURFACING</b>	Mainline Pavement (9")	\$ 62.07 / S.Y.	18,898.00	\$ 1,173,000
	Sidewalk (10')	\$ 62.70 / S.Y.	1,828.00	\$ 114,000
	Bridge Approach	\$ 193.33 / S.Y.	1,276.00	\$ 246,000
	Raised Median	\$ 94.05 / S.Y.	132.00	\$ 12,000
	Temporary Pavement	\$ 52.25 / S.Y.	677.00	\$ 35,000
	Railroad Approach	\$ 135.85 / S.Y.	84.00	\$ 11,000
	Detectible Warnings	\$ 52.25 / S.F.	120.00	\$ 6,000
	Removals	\$ 10.45 / S.Y.	13,781.00	\$ 144,000
				<b>Subtotal</b>
<b>MISCELLANEOUS</b>	Removal of Steel Beam Guardrail	\$ 8.36 / L.F.	550.00	\$ 5,000
	Steel Beam Guardrail	\$ 26.13 / L.F.	150.00	\$ 4,000
	Steel Beam Guardrail End Terminal	\$ 2,403.50 / Ea.	2.00	\$ 5,000
	Permanent Road Closure, Urban, SI-182	\$ 1,045.00 / Ea.	4.00	\$ 5,000
	Safety Closure	\$ 209.00 / Ea.	14.00	\$ 3,000
	Fence, Chain Link	\$ 18.81 / L.F.	150.00	\$ 3,000
	Temporary Barrier Rail, Concrete	\$ 9.41 / L.F.	1,819.00	\$ 18,000
	Traffic Control	\$ 608,524.40 / L.S.	1.00	\$ 609,000
	Mobilization	\$ 759,610.50 / L.S.	1.00	\$ 760,000
	Fire Hydrant Assembly	\$ 6,270.00 / Ea.	5.00	\$ 32,000

	Railroad Protective Liability Insurance (UPRR, CN)	\$ 6,270.00 / L.S.	2.00	\$ 13,000
	Mulching	\$ 731.50 / Acre	8.10	\$ 6,000
	Seeding and Fertilizing (Urban)	\$ 3,135.00 / Acre	8.10	\$ 26,000
	Sodding	\$ 73.15 / SQ	392.00	\$ 29,000
	Perimeter and Slope Sediment Control Device	\$ 4.18 / L.F.	9,500.00	\$ 40,000
	Removal of Perimeter and Slope Sediment Control Device	\$ 1.05 / L.F.	9,500.00	\$ 10,000
	Mobilizations, Erosion Control	\$ 522.50 / Ea.	9.00	\$ 5,000
	Permanent Signing & Marking	\$ 532,458.85 / L.S.	1.00	\$ 533,000
	Traffic Signal	\$ 104,500.00 / L.S.	1.00	\$ 105,000
	Street Lighting	\$ 475,475.00 / L.S.	1.00	\$ 476,000
			<b>Subtotal</b>	<b>\$ 2,687,000</b>
<b>WATER &amp; SEWER</b>	Water	\$ 619,685.00 / L.S.	1.00	\$ 620,000
	Sewer	\$ 145,255.00 / L.S.	1.00	\$ 146,000
			<b>Subtotal</b>	<b>\$ 766,000</b>
<b>BRIDGE</b>	Bridge (500' long x 58' wide)	\$ 167.20 / S.F.	29,000.00	\$ 4,849,000
			<b>Subtotal</b>	<b>\$ 4,849,000</b>
SUBTOTAL VIADUCT CONSTRUCTION =				\$ 14,359,000
CONTINGENCY (7.0%) =				\$ 1,005,000
<b>TOTAL PRELIMINARY ESTIMATE OF CONSTRUCTION COSTS =</b>				<b>\$ 15,364,000</b>
CONSTRUCTION ENGINEERING =				\$ 1,254,000
<b>TOTAL PRELIMINARY ESTIMATE OF CONSTRUCTION COSTS &amp; ENGINEERING =</b>				<b>\$ 16,618,000</b>
<b>OTHER COSTS</b>				
CITY SIDEWALK AND STORM SEWER IMPROVEMENTS =				\$ 1,254,000
PRELIMINARY ESTIMATE OF RIGHT OF WAY ACQUISITION & RELOCATION COSTS =				\$ 2,500,000
PRELIMINARY ESTIMATE OF UTILITY RELOCATION COSTS =				\$ 78,000
PRELIMINARY ESTIMATE OF COSTS FOR IMPACTS TO EXISTING TRACKS =				\$ 261,000
<b>TOTAL PRELIMINARY ESTIMATE OF PROJECT COSTS =</b>				<b>\$ 20,711,000</b>