

**Preliminary Opinion of Probable Construction Cost**  
**Johnson St SW Reconstruction | 43-ft Urban, Three-Lane | 24-ft Rural, Two-Lane**  
**City of Cascade, Dubuque & Jones County, Iowa**

MSA Project No. 00447040

Revised: 11/9/2022

Item #	Item Description	Quantity	Unit	Unit Cost	Total Cost		
<b>Division 2010: Earthwork, Subgrade &amp; Subbase</b>							
2010-108-C-0	Clearing & Grubbing	1	LS	\$2,500	\$2,500	DOT	
2010-108-D-1	Topsoil, On-Site	1,100	CY	\$12	\$13,200	DOT	
2010-108-F-0	Below Grade Excavation (Core Out)	1,000	TON	\$33	\$33,000	DOT	
2010-108-E-0	Excavation, Class 13	1	LS	\$75,000	\$75,000	DOT	
2010-108-I-0	Modified Subbase, 10-Inch	2,850	CY	\$35	\$99,750	DOT	
2010-108-I-0	Modified Subbase, 6-Inch	400	CY	\$35	\$14,000	DOT	
2121-7425010	Granular Shoulders, Type A	200	TON	\$25	\$5,000	DOT	
2212-5070310	Patches, Full-Depth Repair	250	SY	\$60	\$15,000	DOT	
					<b>Subtotal:</b>	<b>\$257,450</b>	
<b>Division 3010: Trench Excavation &amp; Backfill</b>							
3010-108-C-0	Trench Foundation	200	TON	\$25	\$5,000	City	
3010-108-D-0	Replacement of Unsuitable Backfill Material	1,500	LF	\$25	\$37,500	City	
					<b>Subtotal:</b>	<b>\$42,500</b>	
<b>Division 4010: Sanitary Sewers</b>							
4010-108-A-1	Sanitary Sewer Gravity Main, Trenched, 8-Inch PVC	365	LF	\$65	\$23,725	City	
4010-108-A-1	Sanitary Sewer Gravity Main, Trenched, 10-Inch PVC	519	LF	\$70	\$36,330	City	
4010-108-F-0	Sanitary Sewer Service Relocation, 4-Inch PVC	65	LF	\$100	\$6,500	City	
					<b>Subtotal:</b>	<b>\$66,555</b>	
<b>Division 4020: Storm Sewers</b>							
4020-108-C-0	Removal of Storm Sewer, Under 36-Inch Diam.	800	LF	\$25	\$20,000	City	
4020-108-A-1	Storm Sewer Gravity Main, Trenched, 15-Inch RCP	460	LF	\$75	\$34,500	City	
4020-108-A-1	Storm Sewer Gravity Main, Trenched, 18-Inch RCP	156	LF	\$80	\$12,480	City	
4020-108-A-1	Storm Sewer Gravity Main, Trenched, 24-Inch RCP	513	LF	\$90	\$46,170	City	
4020-108-A-1	Storm Sewer Gravity Main, Trenched, 30-Inch RCP	120	LF	\$95	\$11,400	City	
					<b>Subtotal:</b>	<b>\$124,550</b>	
<b>Division 4040: Subdrains &amp; Footing Drain Collectors</b>							
4040-108-A-0	Subdrain, Type C, 4-Inch Perforated CPE	2,050	LF	\$12	\$24,600	City	
4040-108-D-0	Subdrain Outlets & Connections, 4-Inch	8	EA	\$750	\$6,000	City	
					<b>Subtotal:</b>	<b>\$30,600</b>	
<b>Division 5010: Pipe &amp; Fittings</b>							
5010-108-A-1	Water Main, Trenched, 8-Inch PVC	405	LF	\$55	\$22,275	City	
5010-108-D-0	Water Service Stub, 3/4-Inch Copper	20	LF	\$40	\$800	City	
2554-0205120	Water Service Stub, 2-Inch Copper	135	LF	\$65	\$8,775	City	
5010-108-C-2	Ductile Iron Fittings	660	LBS	\$12	\$7,920	City	
					<b>Subtotal:</b>	<b>\$39,770</b>	
<b>Division 5020: Valves, Fire Hydrants &amp; Appertunances</b>							
5020-108-A-0	Gate Valve, 8-Inch	4	EA	\$2,100	\$8,400	City	
5020-108-C-0	Fire Hydrant Assembly	2	EA	\$2,500	\$5,000	City	
					<b>Subtotal:</b>	<b>\$13,400</b>	
<b>Division 6010: Structures for Sanitary &amp; Storm Sewers</b>							
6010-108-A-0	Manhole, Precast, 48-Inch SW-301 (Sanitary)	3	EA	\$7,500	\$22,500	City	
6010-108-A-0	Manhole, Precast, 48-Inch SW-401 (Storm)	1	EA	\$6,500	\$6,500	City	
6010-108-B-0	Intake Cast-In-Place, SW-501 (Storm)	16	EA	\$5,500	\$88,000	City	
					<b>Subtotal:</b>	<b>\$117,000</b>	
<b>Division 7010: Portland Cement Concrete Pavement</b>							
7010-108-A-0	Pavement, 9-Inch PCC, Dowels (43-ft & 24-ft Width)	8,100	SY	\$60	\$486,000	DOT	
7010-108-E-0	Curb & Cutter, 30-Inch PCC	200	LF	\$35	\$7,000	DOT	
	HMA for Tie-Ins	300	SY	\$35	\$10,500	DOT	
	Pavement, 6-Inch PCC (4th Ave & 5th Ave)	928	SY	\$55	\$51,040	DOT	
	Binder (4-ft shouler)	24	TON	\$750	\$18,000	DOT	
	HMA (4-ft shouler)	397	TON	\$45	\$17,865	DOT	
	Class 13 (4-ft shouler)	93	CY	\$25	\$2,325	DOT	
					<b>Subtotal:</b>	<b>\$592,730</b>	

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**Division 7030: Sidewalks, Shared Use Paths & Driveways**

7030-108-A-0	Removal of Sidewalk	800	SY	\$12	\$9,600	DOT
7030-108-A-0	Removal of Driveway	360	SY	\$10	\$3,600	DOT
7030-108-E-0	Sidewalk, 5-Inch PCC	800	SY	\$45	\$36,000	DOT
7030-108-G-0	Detectable Warning	9	EA	\$1,500	\$13,500	DOT
7030-108-H-1	Driveway, 6-Inch PCC	360	SY	\$5	\$1,800	DOT
					<b>Subtotal:</b>	<b>\$64,500</b>

**Division 7040: Pavement Rehabilitation**

7040-108-H-0	Removal of Pavement	8,250	SY	\$8	\$66,000	DOT
					<b>Subtotal:</b>	<b>\$66,000</b>

**Division 9010: Seeding**

9010-108-B-0	Hydraulic Seeding, Fertilizing & Mulch	1.5	ACRE	\$7,500	\$11,250	DOT
					<b>Subtotal:</b>	<b>\$11,250</b>

**Division 9040: Erosion & Sediment Control**

9040-108-T-1	Inlet Protection Device	14	EA	\$350	\$4,900	DOT
9040-108-T-2	Inlet Protection Device, Maintenance	14	EA	\$300	\$4,200	DOT
9040-108-O-2	Stabilized Construction Entrance	125	TON	\$30	\$3,750	DOT
					<b>Subtotal:</b>	<b>\$3,750</b>

**DOT Division 2528: Traffic Control**

1070-206-A-0	Traffic Control	1	LS	\$30,000	\$30,000	DOT
					<b>Subtotal:</b>	<b>\$30,000</b>

**Division 11020: Mobilization**

11020-105-D	Mobilization	1	LS	\$70,000	\$70,000	Split
					<b>Subtotal:</b>	<b>\$70,000</b>

**Division 11030: Pavement Marking**

11030-108-B	Painted Pavement Markings, Durable	54	STA	\$55	\$2,970	DOT
2527-9263143	Painted Symbols & Legends, Durable	12	EA	\$200	\$2,400	DOT
					<b>Subtotal:</b>	<b>\$5,370</b>

Construction Subtotal:	\$1,535,425
20% Contingency:	\$307,085 Split
Iowa DOT 3R:	\$1,313,864
City Construction & Engineering:	\$790,489
<b>Total Project Cost:</b>	<b>\$2,104,353</b>

