

ATTACHMENT D

2016-2017 REPLACEMENT COSTS OF BRIDGES

STATE: Wisconsin

(October 2016 through September 2017)

ON - National Highway System

No. of Replaced Bridges	Total Area of Replaced Bridges (m ²)	Bridges Total Replacement Cost (dollars)	Bridge Replacement Unit Cost (dollars/m ²)
34	28,035	32,419,642	1,156

OFF – National Highway System

No. of Replaced Bridges	Total Area of Replaced Bridges (m ²)	Bridges Total Replacement Cost (dollars)	Bridge Replacement Unit Cost (dollars/m ²)
48	16,294	20,467,633	1,256

Let Date	Struct ID	On System	Area SqFt	Total Cost	Total SqFt Cost	FHWA	FWHA SF Cost	% Diff from Prev Year Ave Cost	Requires Comment?	Comments
11/8/2016	B130572	FALSE	20485.22	\$2,795,329.31	\$136.46	\$2,382,549.05	\$116.31	6.99	NO	
11/8/2016	B130701	TRUE	8789.35	\$1,575,287.77	\$179.23	\$1,107,766.30	\$126.04	15.94	YES	Single span P/S, mod skew, exceptionally high Excavation for Structures cost
11/8/2016	B130705	TRUE	3428.05	\$1,201,672.61	\$350.54	\$906,512.70	\$264.44	143.25	YES	single span P/S, no skew, exceptionally high Excavation for Structures cost
11/8/2016	B130708	TRUE	12143.7	\$1,804,864.42	\$148.63	\$1,420,311.20	\$116.96	7.59	NO	
11/8/2016	B130711	TRUE	7364.46	\$1,497,255.05	\$203.31	\$1,169,395.61	\$158.79	46.06	YES	Single span P/S, mod skew, exceptionally high Excavation for Structures cost
11/8/2016	B330129	FALSE	2627.77	\$412,386.53	\$156.93	\$328,746.73	\$125.10	15.08	YES	Small bridge area produces higher SF cost
11/8/2016	B500082	TRUE	12846	\$2,003,864.59	\$155.99	\$1,428,573.80	\$111.21	2.30	NO	
11/8/2016	B550266	TRUE	13794.14	\$1,466,919.57	\$106.34	\$1,214,705.10	\$88.06	-19.00	YES	Straight, zero skew, typical P/S girder bridge
11/8/2016	B550278	FALSE	1401.85	\$198,334.14	\$141.48	\$158,494.00	\$113.06	4.00	NO	
11/8/2016	B550279	FALSE	1602.47	\$236,758.72	\$147.75	\$197,282.50	\$123.11	13.25	NO	
11/8/2016	B550280	FALSE	1392	\$200,472.90	\$144.02	\$161,821.00	\$116.25	6.93	NO	
12/13/2016	B050408	TRUE	4238.52	\$491,071.88	\$115.86	\$362,484.48	\$85.52	-21.33	YES	Straight, zero skew, typical P/S girder bridge
12/13/2016	B050409	TRUE	4238.52	\$484,640.48	\$114.34	\$363,984.48	\$85.88	-21.01	YES	Straight, zero skew, typical P/S girder bridge
12/13/2016	B130675	FALSE	1081.2	\$205,097.87	\$189.69	\$177,070.00	\$163.77	50.65	YES	Highly skewed concrete slab
12/13/2016	B130726	FALSE	12976.64	\$1,384,363.79	\$106.68	\$1,012,952.54	\$78.06	-28.20	YES	Two span P/S girder bridge, I39 project, low rebar unit price
12/13/2016	B320232	FALSE	5361.48	\$664,604.06	\$123.96	\$527,683.24	\$98.42	-9.47	NO	
12/13/2016	B360230	TRUE	3359.75	\$638,701.99	\$190.10	\$506,521.50	\$150.76	38.68	YES	Single span P/S, high concrete and P/S girder unit price
12/13/2016	B360231	TRUE	5552.89	\$1,064,599.58	\$191.72	\$924,088.00	\$166.42	53.08	YES	Three span haunched slab, higher concrete unit price and longer piling
12/13/2016	B530288	FALSE	4692.6	\$637,143.27	\$135.78	\$507,571.50	\$108.16	-0.50	NO	
12/13/2016	B550258	FALSE	7531.9	\$844,361.92	\$112.10	\$551,519.70	\$73.22	-32.64	YES	Straight, zero skew, typical P/S girder bridge, high cost removing old structure
1/10/2017	B160138	FALSE	1338	\$258,599.38	\$193.27	\$197,332.00	\$147.48	35.66	YES	Small bridge area produces higher SF cost
1/10/2017	B300137	FALSE	2503.86	\$487,802.69	\$194.82	\$401,939.00	\$160.53	47.66	YES	Small bridge area produces higher SF cost, moderate length piling
1/10/2017	B520273	FALSE	973.875	\$181,372.90	\$186.24	\$136,549.00	\$140.21	28.98	YES	Small bridge area produces higher SF cost
1/10/2017	B530374	FALSE	4531	\$535,043.81	\$118.09	\$440,371.10	\$97.19	-10.60	NO	
2/14/2017	B030200	FALSE	1316.25	\$161,060.07	\$122.36	\$120,951.00	\$91.89	-15.47	YES	Straight, zero skew flat slab bridge, short piling, low concrete unit price
2/14/2017	B030201	FALSE	1577.4	\$246,659.16	\$156.37	\$188,901.75	\$119.76	10.16	NO	
2/14/2017	B120155	FALSE	1320.952	\$196,580.79	\$148.82	\$168,510.50	\$127.57	17.34	YES	Small bridge area produces higher SF cost, railing is 10% of cost
2/14/2017	B140213	FALSE	1568.25	\$185,338.25	\$118.18	\$147,465.20	\$94.03	-13.50	NO	
2/14/2017	B160141	FALSE	3110.37	\$474,851.82	\$152.67	\$329,892.40	\$106.06	-2.44	NO	
2/14/2017	B270163	FALSE	1719.25	\$231,637.84	\$134.73	\$183,530.80	\$106.75	-1.80	NO	
2/14/2017	B410307	FALSE	3438.7	\$459,789.48	\$133.71	\$366,502.30	\$106.58	-1.96	NO	
2/14/2017	B490183	FALSE	3949.75	\$538,932.21	\$136.45	\$400,956.30	\$101.51	-6.62	NO	
2/14/2017	B530289	FALSE	4347.39	\$575,071.69	\$132.28	\$373,337.20	\$85.88	-21.01	YES	Three span haunched slab, low concrete unit price
2/14/2017	B530290	FALSE	3157.25	\$398,835.77	\$126.32	\$294,033.16	\$93.13	-14.33	NO	
2/14/2017	B590192	FALSE	1446.25	\$206,824.12		\$156,912.40	\$108.50	-0.20	NO	
2/14/2017	B610221	FALSE	2029.47	\$281,017.99	\$138.47	\$224,460.00	\$110.60	1.74	NO	
2/14/2017	B610226	FALSE	1666.6	\$179,247.83	\$107.55	\$141,467.50	\$84.88	-21.92	YES	Two span flat slab, moderate unit prices
2/14/2017	B610227	FALSE	1656.25	\$229,160.03	\$138.36	\$192,154.00	\$116.02	6.72	NO	
3/14/2017	B130685	FALSE	5864	\$644,874.47	\$109.97	\$505,193.75	\$86.15	-20.75	YES	Two span, straight, no skew typical P/S girder bridge
3/14/2017	B130720	FALSE	20592	\$5,126,163.23	\$248.94	\$3,932,763.92	\$190.99	75.68	YES	Extremely high excavation for Structures cost
3/14/2017	B160134	FALSE	2133	\$336,716.37	\$157.86	\$253,035.11	\$118.63	9.12	NO	
3/14/2017	B240043	FALSE	1970	\$261,438.07	\$132.71	\$213,295.00	\$108.27	-0.41	NO	
3/14/2017	B260038	TRUE	3196	\$771,147.82	\$241.29	\$555,276.60	\$173.74	59.82	YES	Staged construction, high P/S girder cost, higher concrete unit cost
3/14/2017	B280175	TRUE	4051.57	\$608,991.23	\$150.31	\$511,160.71	\$126.16	16.05	YES	High excavation for structures cost (20% of total)
3/14/2017	B410302	FALSE	1023	\$173,847.54	\$169.94	\$131,237.03	\$128.29	18.01	YES	Small bridge area produces higher SF cost
3/14/2017	B580126	FALSE	1246	\$219,604.34	\$176.25	\$184,137.58	\$147.78	35.94	YES	Small bridge area produces higher SF cost
3/14/2017	B620247	FALSE	1511	\$136,079.39	\$90.06	\$99,963.10	\$66.16	-39.14	YES	Single span flat slab, low concrete unit cost
3/14/2017	B670331	TRUE	15545	\$1,295,221.29	\$83.32	\$1,016,819.00	\$65.41	-39.83	YES	Straight, no skew typical 2 span P/S girder bridge, low rebar unit cost
3/14/2017	B670332	TRUE	15545	\$1,290,931.12	\$83.04	\$1,012,828.50	\$65.15	-40.07	YES	Straight, no skew typical 2 span P/S girder bridge, low rebar unit cost
4/11/2017	B130648	FALSE	9300	\$1,103,909.84	\$118.70	\$917,299.10	\$98.63	-9.27	NO	
5/9/2017	B150026	TRUE	1680	\$402,027.39	\$239.30	\$333,611.80	\$198.58	82.66	YES	P/S Box girder, small bridge area, higher concrete unit cost, high railing unit cost
5/9/2017	B500087	FALSE	1251	\$218,219.28	\$174.44	\$171,895.00	\$137.41	26.39	YES	Small bridge area produces higher SF cost
6/13/2017	B110157	TRUE	2400	\$449,283.67	\$187.20	\$399,425.00	\$166.43	53.09	YES	Single span flat slab, moderate concrete unit price, small bridge area
6/13/2017	B280183	TRUE	3611	\$449,805.73	\$124.57	\$324,161.00	\$89.77	-17.42	YES	Straight, no skew, typical 1 span P/S girder bridge
6/13/2017	B340050	TRUE	4705	\$712,793.28	\$151.50	\$556,526.04	\$118.28	8.80	NO	
7/11/2017	B360218	FALSE	1550	\$235,572.00	\$151.98	\$181,114.30	\$116.85	7.48	NO	

7/11/2017	B360222	FALSE	1384	\$222,578.13	\$160.82	\$166,499.86	\$120.30	10.66	NO	
7/11/2017	B410301	FALSE	967	\$160,832.62	\$166.32	\$120,527.50	\$124.64	14.65	NO	
7/11/2017	B500088	FALSE	1820	\$305,198.42	\$167.69	\$246,553.00	\$135.47	24.61	YES	Moderate concrete unit price, higher P/S girder unit price
7/11/2017	B530330	TRUE	12692	\$812,010.76	\$63.98	\$678,066.81	\$53.42	-50.86	YES	IH 39 project with 8 bridges, single span P/S girder
7/11/2017	B530331	TRUE	12687	\$936,564.84	\$73.82	\$758,663.09	\$59.80	-44.99	YES	IH 39 project with 8 bridges, single span P/S girder
7/11/2017	B530332	TRUE	8583	\$1,067,453.82	\$124.37	\$923,232.56	\$107.57	-1.05	NO	
7/11/2017	B530333	TRUE	8583	\$1,132,132.18	\$131.90	\$939,646.98	\$109.48	0.71	NO	
7/11/2017	B530334	TRUE	5444	\$731,316.75	\$134.33	\$622,113.89	\$114.28	5.12	NO	
7/11/2017	B530335	TRUE	5444	\$778,952.51	\$143.08	\$626,554.45	\$115.09	5.87	NO	
7/11/2017	B530336	TRUE	5434	\$724,830.37	\$133.39	\$615,929.75	\$113.35	4.26	NO	
7/11/2017	B530337	TRUE	5434	\$765,377.68	\$140.85	\$613,493.05	\$112.90	3.85	NO	
7/11/2017	B590193	FALSE	1238	\$197,638.77	\$159.64	\$152,017.20	\$122.79	12.95	NO	
7/11/2017	B620250	FALSE	1025	\$186,530.18	\$181.98	\$136,476.00	\$133.15	22.48	YES	Small bridge area produces higher SF cost
8/8/2017	B120181	FALSE	1745	\$272,427.82	\$156.12	\$232,609.50	\$133.30	22.62	YES	Small bridge area produces higher SF cost
8/8/2017	B140209	FALSE	15992	\$2,114,248.50	\$132.21	\$1,794,769.50	\$112.23	3.24	NO	
8/8/2017	B530314	TRUE	11602	\$1,489,615.50	\$128.39	\$1,144,246.67	\$98.62	-9.28	NO	
8/8/2017	B530315	TRUE	11602	\$1,482,470.02	\$127.78	\$1,139,594.67	\$98.22	-9.65	NO	
8/8/2017	B530317	TRUE	6138	\$925,614.02	\$150.80	\$676,804.61	\$109.73	0.94	NO	
8/8/2017	B530318	TRUE	6138	\$902,189.08	\$146.98	\$654,279.61	\$106.59	-1.95	NO	
8/8/2017	B530321	TRUE	16525	\$2,491,317.15	\$150.76	\$2,111,352.22	\$127.77	17.53	YES	Temporary shoring required to protect adjacent structure and railroad
8/8/2017	B530322	TRUE	16525	\$2,498,480.03	\$151.19	\$2,129,171.92	\$128.85	18.52	YES	Temporary shoring required to protect adjacent structure and railroad
8/8/2017	B700316	TRUE	40612	\$5,298,025.28	\$130.45	\$4,389,119.50	\$108.07	-0.59	NO	
9/12/2017	B230175	TRUE	1837	\$307,138.42	\$167.20	\$283,220.50	\$154.18	41.82	YES	Small bridge area produces higher SF cost, moderate length piling
9/12/2017	B330130	FALSE	1045	\$184,236.33	\$176.30	\$157,925.00	\$151.12	39.01	YES	Small bridge area produces higher SF cost, higher concrete unit cost
9/12/2017	B330131	FALSE	1579	\$262,013.54	\$165.94	\$222,146.00	\$140.69	29.42	YES	Small bridge area produces higher SF cost
9/12/2017	B410313	FALSE	1345	\$209,360.87	\$155.66	\$177,220.00	\$131.76	21.20	YES	Small bridge area produces higher SF cost

2016-2017 Totals:

No. of Bridges		Total Area (SF)		Total Area (m ²)
On System	34	On System	301,769	28,035
Off System	48	Off System	175,384	16,294
Total System	82	Total System	477,153	44,329
Total Cost		Unit Cost (per SF)		Unit Cost (per m ²)
On System	\$32,419,642	On System	\$107	\$1,156
Off System	\$20,467,633	Off System	\$117	\$1,256
Total System	\$52,887,275	Total System	\$111	\$1,193

"Total Cost" is the bid item cost for all items included on structures plan

"FHWA Cost" is the "Total Cost" without mobilization, demolition of existing bridges, slope paving work, and electrical work

2015-2016 Totals:

No. of Bridges		Total Area (SF)		Total Area (m2)
On System	27	On System	364,363	33,850
Off System	51	Off System	249,033	23,136
Total System	78	Total System	613,396	56,986
Total Cost		Unit Cost (per SF)		Unit Cost (per m2)
On System	\$45,127,674	On System	\$124	\$1,333
Off System	\$27,072,898	Off System	\$109	\$1,170
Total System	\$72,200,572	Total System	\$118	\$1,267

BRIDGE

Prestressed I-Girder

State of Wisconsin
Department of Transportation

Structure ID B130572	Project Contract ID 5300-02-73	Letting Date 11/8/2016	Proposal No. 20161108007	Plans Sign Date 5/10/2016	Crossing: Grade
Designer WisDOT BOS	Contractor LUNDA CONSTRUCTION		No. of Spans 2	Span Lengths (ft) 123, 123	
Abut Type	Pier Type	Width (ft) 80.66	Length (ft) 253.97	Area (SF) 20485.22	Wall Length (ft) Retaining Wall Area (SF)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC: B130223
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$4,699,732.71

B130572		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0200	Removing Old Structure (station) 01. STA. 248+00 HP		1 LS	\$300,000.00	\$300,000.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-13-572		1 LS	\$21,500.00	\$21,500.00	
210.0100	Backfill Structure		6750 CY	\$18.00	\$121,500.00	
501.1000.S	Ice Hot Weather Concreting		21490 LB	\$0.01	\$214.90	
502.0100	Concrete Masonry Bridges		2870 CY	\$380.00	\$1,090,600.00	
502.3100	Expansion Device (structure) 01. B-13-572	203.18	1 LS	\$30,000.00	\$30,000.00	\$147.65
502.3200	Protective Surface Treatment		2160 SY	\$2.50	\$5,400.00	
502.3210	Pigmented Surface Sealer		185 SY	\$3.00	\$555.00	
503.0146	Prestressed Girder Type I 45W-Inch		3460 LF	\$150.00	\$519,000.00	
505.0400	Bar Steel Reinforcement HS Structures		67450 LB	\$0.75	\$50,587.50	
505.0600	Bar Steel Reinforcement HS Coated Structures		322450 LB	\$0.82	\$264,409.00	
506.2605	Bearing Pads Elastomeric Non-Laminated		28 EACH	\$40.00	\$1,120.00	
506.2610	Bearing Pads Elastomeric Laminated		28 EACH	\$700.00	\$19,600.00	
506.4000	Steel Diaphragms (structure) 01. B-13-572		52 EACH	\$300.00	\$15,600.00	
513.4091	Railing Tubular Screening (structure) 01. B-13-572		624 LF	\$158.00	\$98,592.00	
516.0500	Rubberized Membrane Waterproofing		61 SY	\$25.00	\$1,525.00	
517.1010.S	Concrete Staining (structure) 01. B-13-572		19965 SF	\$1.21	\$24,157.65	
517.1050.S	Architectural Surface Treatment (structure) 01. B-13-572		4370 SF	\$5.00	\$21,850.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb		2950 LF	\$31.00	\$91,450.00	
604.0500	Slope Paving Crushed Aggregate		300 SY	\$18.00	\$5,400.00	
612.0406	Pipe Underdrain Wrapped 6-Inch		420 LF	\$6.00	\$2,520.00	
652.0125	Conduit Rigid Metallic 2-Inch		12 LF	\$60.00	\$720.00	
652.0135	Conduit Rigid Metallic 3-Inch		24 LF	\$218.00	\$5,232.00	
652.0205	Conduit Rigid Nonmetallic Schedule 40 3/4-Inch		26 LF	\$7.00	\$182.00	
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch		265 LF	\$4.50	\$1,192.50	
652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch		530 LF	\$5.50	\$2,915.00	
SPV.0060	01. DECORATIVE MEDALLION		4 EACH	\$500.00	\$2,000.00	
SPV.0060	02. MEDALLION CONCRETE STAINING MULTI-CO LOR		4 EACH	\$92.00	\$368.00	
SPV.0060	22. WALL PACK OUTLET BOXES		2 EACH	\$200.00	\$400.00	

BRIDGE

Prestressed I-Girder

State of Wisconsin
Department of Transportation

619.1000 Mobilization		0.59 EACH	\$162,645.00 =	\$96,738.76
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Total Bridge Cost	Total Bridge Cost per SF	Br Manual Bridge Cost	Br Manual Bridge Cost per SF
\$2,795,329.31	\$136.46	\$2,495,329.31	\$121.81
FHWA Bridge Cost	FHWA Bridge Cost per SF	Super. Only Cost pSF	Substructure Only Cost pSF
\$2,382,549.05	\$116.31	\$48.60	\$73.21
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B130572**Superstructure Bid Items**

501.1000.S	Ice Hot Weather Concreting	6000 LB	\$0.01	\$60.00
502.0100	Concrete Masonry Bridges	805 CY	\$380.00	\$305,900.00
502.3200	Protective Surface Treatment	2160 SY	\$2.50	\$5,400.00
502.3210	Pigmented Surface Sealer	185 SY	\$3.00	\$555.00
503.0146	Prestressed Girder Type I 45W-Inch	3460 LF	\$150.00	\$519,000.00
505.0600	Bar Steel Reinforcement HS Coated Structures	160695 LB	\$0.82	\$131,769.90
506.4000	Steel Diaphragms (structure) 01. B-13-572	52 EACH	\$300.00	\$15,600.00
517.1010.S	Concrete Staining (structure) 01. B-13-572	8780 SF	\$1.21	\$10,623.80
652.0125	Conduit Rigid Metallic 2-Inch	6 LF	\$60.00	\$360.00
652.0135	Conduit Rigid Metallic 3-Inch	12 LF	\$218.00	\$2,616.00
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	245 LF	\$4.50	\$1,102.50
652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	490 LF	\$5.50	\$2,695.00

BRIDGE

Prestressed I-Girder

State of Wisconsin
Department of Transportation

Structure ID B130701	Project Contract ID 1007-11-75	Letting Date 11/8/2016	Proposal No. 20161108001	Plans Sign Date 5/3/2016	Crossing: Grade
Designer EMCS	Contractor HOFFMAN CONSTRUCTION		No. of Spans 1	Span Lengths (ft) 134	
Abut Type A1	Pier Type	Width (ft) 63.16	Length (ft) 139.16	Area (SF) 8789.35	Wall Length (ft) Retaining Wall Area (SF)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC: B130177
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$30,906,382.36

B130701		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0200	Removing Old Structure (station) 001. 1528+44'NB'	1	LS	\$150,000.00	\$150,000.00	
206.1000	Excavation for Structures Bridges (structure) 001. B-13-701	1	LS	\$500,000.00	\$500,000.00	
210.0100	Backfill Structure	770	CY	\$10.00	\$7,700.00	
305.0120	Base Aggregate Dense 1 1/4-Inch	420	TON	\$0.01	\$4.20	
501.1000.S	Ice Hot Weather Concreting	4250	LB	\$0.75	\$3,187.50	
502.0100	Concrete Masonry Bridges **P**	208	CY	\$420.00	\$87,360.00	
502.3200	Protective Surface Treatment **P**	1228	SY	\$2.50	\$3,070.00	
502.3210	Pigmented Surface Sealer	176	SY	\$3.00	\$528.00	
503.0172	Prestressed Girder Type I 72W-Inch **P**	945	LF	\$165.00	\$155,925.00	
505.0400	Bar Steel Reinforcement HS Structures **P**	10920	LB	\$0.75	\$8,190.00	
505.0600	Bar Steel Reinforcement HS Coated Structures **P**	95050	LB	\$0.85	\$80,792.50	
505.0800.S	Bar Steel Reinforcement HS Stainless Structures **P**	2180	LB	\$2.75	\$5,995.00	
506.2605	Bearing Pads Elastomeric Non-Laminated	14	EACH	\$100.00	\$1,400.00	
506.4000	Steel Diaphragms (structure) 001. B-13-701 **P**	12	EACH	\$1,000.00	\$12,000.00	
516.0500	Rubberized Membrane Waterproofing	50	SY	\$25.00	\$1,250.00	
550.2126	Piling CIP Concrete 12 3/4 X 0.375-Inch	2480	LF	\$32.00	\$79,360.00	
604.0500	Slope Paving Crushed Aggregate	448	SY	\$18.00	\$8,064.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	250	LF	\$6.00	\$1,500.00	
614.0150	Anchor Assemblies for Steel Plate Beam Guard	4	EACH	\$150.00	\$600.00	
652.0125	Conduit Rigid Metallic 2-Inch **P**	36	LF	\$20.00	\$720.00	
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch **P**	342	LF	\$4.25	\$1,453.50	
653.0222	Junction Boxes 18x12x6-Inch	2	EACH	\$1,200.00	\$2,400.00	
SPV.0035	701. HPC Masonry Structures **P**	566	CY	\$515.00	\$291,490.00	
SPV.0165	701. Longitudinal Grooving Bridge Deck * **P**	10672	SF	\$0.30	\$3,201.60	

619.1000 Mobilization 0.05 EACH \$3,317,590.76 = \$169,096.47

Total Bridge Cost \$1,575,287.77	Total Bridge Cost per SF \$179.23	Br Manual Bridge Cost \$1,425,287.77	Br Manual Bridge Cost per SF \$162.16
FHWA Bridge Cost	FWHA Bridge Cost per SF	Super. Only Cost pSF	Substructure Only Cost pSF

\$1,107,766.30**\$126.04****\$50.92****\$111.25**

Total Ret Wall Cost

Total Ret Wall Cost per SF

Br Manual Ret Wall Cost

Br Manual Ret Wall Cost per SF

Total Culvert Cost

Total Culvert Cost per LF

Br Manual Culvert Cost

Br Manual Culvert Cost per LF

Total Sign Cost

Total Sign Cost per LF of Arm

Br Manual Sign Cost

Br Manual Sign Cost per LF of Arm

B130701**Superstructure Bid Items**

501.1000.S	Ice Hot Weather Concreting	3210 LB	\$0.75	\$2,407.50
502.3200	Protective Surface Treatment **P**	958 SY	\$2.50	\$2,395.00
502.3210	Pigmented Surface Sealer	136 SY	\$3.00	\$408.00
503.0172	Prestressed Girder Type I 72W-Inch **P**	945 LF	\$165.00	\$155,925.00
505.0600	Bar Steel Reinforcement HS Coated Structures **P	60130 LB	\$0.85	\$51,110.50
506.4000	Steel Diaphragms (structure) 001. B-13-701 **P**	12 EACH	\$600.00	\$7,200.00
614.0150	Anchor Assemblies for Steel Plate Beam Guard	4 EACH	\$150.00	\$600.00
652.0125	Conduit Rigid Metallic 2-Inch **P**	36 LF	\$20.00	\$720.00
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch **P*	342 LF	\$4.25	\$1,453.50
653.0222	Junction Boxes 18x12x6-Inch	2 EACH	\$1,200.00	\$2,400.00
SPV.0035	701. HPC Masonry Structures **P**	428 CY	\$515.00	\$220,420.00
SPV.0165	701. Longitudinal Grooving Bridge Deck * **P**	8258 SF	\$0.30	\$2,477.40

BRIDGE

State of Wisconsin
Department of Transportation

Structure ID B130705	Project Contract ID 1007-11-75	Letting Date 11/8/2016	Proposal No. 20161108001	Plans Sign Date 5/6/2016	Crossing: Stream
Designer EMCS	Contractor HOFFMAN CONSTRUCTION		No. of Spans 1	Span Lengths (ft) 50	
Abut Type A1	Pier Type	Width (ft) 62.9	Length (ft) 54.5	Area (SF) 3428.05	Wall Length (ft)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC: B130209
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$30,906,382.36

B130705		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 00	1	LS	\$150,000.00	\$150,000.00	
206.1000	Excavation for Structures Bridges (structure) 002. B-13-705	1	LS	\$500,000.00	\$500,000.00	
210.0100	Backfill Structure	340	CY	\$10.00	\$3,400.00	
305.0120	Base Aggregate Dense 1 1/4-Inch	420	TON	\$0.01	\$4.20	
501.1000.S	Ice Hot Weather Concreting	2240	LB	\$0.75	\$1,680.00	
502.0100	Concrete Masonry Bridges **P**	158	CY	\$420.00	\$66,360.00	
502.3200	Protective Surface Treatment **P**	618	SY	\$2.50	\$1,545.00	
502.3210	Pigmented Surface Sealer	93	SY	\$3.00	\$279.00	
503.0136	Prestressed Girder Type I 36-Inch **P**	357	LF	\$148.00	\$52,836.00	
505.0400	Bar Steel Reinforcement HS Structures **P**	8260	LB	\$0.75	\$6,195.00	
505.0600	Bar Steel Reinforcement HS Coated Structures **P**	57610	LB	\$0.85	\$48,968.50	
505.0800.S	Bar Steel Reinforcement HS Stainless Structures **P**	2160	LB	\$2.75	\$5,940.00	
506.2605	Bearing Pads Elastomeric Non-Laminated	14	EACH	\$100.00	\$1,400.00	
506.4000	Steel Diaphragms (structure) 002. B-13-705 **P**	6	EACH	\$600.00	\$3,600.00	
516.0500	Rubberized Membrane Waterproofing	34	SY	\$25.00	\$850.00	
550.2126	Piling CIP Concrete 12 3/4 X 0.375-Inch	1770	LF	\$32.00	\$56,640.00	
606.0300	Riprap Heavy	380	CY	\$32.00	\$12,160.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	180	LF	\$6.00	\$1,080.00	
614.0150	Anchor Assemblies for Steel Plate Beam Guard	4	EACH	\$150.00	\$600.00	
645.0120	Geotextile Type HR	560	SY	\$2.50	\$1,400.00	
652.0125	Conduit Rigid Metallic 2-Inch **P**	36	LF	\$20.00	\$720.00	
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch **P**	162	LF	\$4.25	\$688.50	
653.0222	Junction Boxes 18x12x6-Inch	1	EACH	\$1,200.00	\$1,200.00	
SPV.0035	701. HPC Masonry Structures **P**	298	CY	\$515.00	\$153,470.00	
SPV.0165	701. Longitudinal Grooving Bridge Deck * **P**	5550	SF	\$0.30	\$1,665.00	
619.1000	Mobilization	0.04	EACH	\$3,317,590.76	=	\$128,991.41

Total Bridge Cost \$1,201,672.61	Total Bridge Cost per SF \$350.54	Br Manual Bridge Cost \$1,051,672.61	Br Manual Bridge Cost per SF \$306.78
FHWA Bridge Cost	FHWA Bridge Cost per SF	Super. Only Cost pSF	Substructure Only Cost pSF

\$48.85

\$257.93

Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B130705**Superstructure Bid Items**

501.1000.S	Ice Hot Weather Concreting	1200 LB	\$0.75	\$900.00
502.3200	Protective Surface Treatment **P**	350 SY	\$2.50	\$875.00
502.3210	Pigmented Surface Sealer	53 SY	\$3.00	\$159.00
503.0136	Prestressed Girder Type I 36-Inch **P**	357 LF	\$148.00	\$52,836.00
505.0600	Bar Steel Reinforcement HS Coated Structures **P	26530 LB	\$0.85	\$22,550.50
506.4000	Steel Diaphragms (structure) 002. B-13-705 **P**	6 EACH	\$600.00	\$3,600.00
614.0150	Anchor Assemblies for Steel Plate Beam Guard	4 EACH	\$150.00	\$600.00
652.0125	Conduit Rigid Metallic 2-Inch **P**	36 LF	\$20.00	\$720.00
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch **P	162 LF	\$4.25	\$688.50
653.0222	Junction Boxes 18x12x6-Inch	1 EACH	\$1,200.00	\$1,200.00
SPV.0035	701. HPC Masonry Structures **P**	160 CY	\$515.00	\$82,400.00
SPV.0165	701. Longitudinal Grooving Bridge Deck * **P**	3150 SF	\$0.30	\$945.00

BRIDGE

Prestressed I-Girder

State of Wisconsin
Department of Transportation

Structure ID B130708	Project Contract ID 1007-11-75	Letting Date 11/8/2016	Proposal No. 20161108001	Plans Sign Date 4/21/2016	Crossing: Grade
Designer WisDOT BOS	Contractor HOFFMAN CONSTRUCTION		No. of Spans 2	Span Lengths (ft) 75, 75	
Abut Type A1	Pier Type	Width (ft) 78.6	Length (ft) 154.5	Area (SF) 12143.7	Wall Length (ft)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC: B130172
Sign Type	Arm Type	Upright Type		Foundation Type	Total Project Cost \$30,906,382.36
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)		Max. Sign Depth (ft)	

B130708 Structure Bid Items						
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0200	Removing Old Structure (station) 002. 1810'NB'+90	1	LS	\$150,000.00	\$150,000.00	
203.0210.S	Abatement of Asbestos Containing Material (structure) 001. B-13-1	1	LS	\$3,500.00	\$3,500.00	
206.1000	Excavation for Structures Bridges (structure) 003. B-13-708	1	LS	\$500,000.00	\$500,000.00	
210.0100	Backfill Structure	710	CY	\$10.00	\$7,100.00	
305.0120	Base Aggregate Dense 1 1/4-Inch	470	TON	\$0.01	\$4.70	
501.1000.S	Ice Hot Weather Concreting	8420	LB	\$0.75	\$6,315.00	
502.0100	Concrete Masonry Bridges **P**	452	CY	\$420.00	\$189,840.00	
502.3200	Protective Surface Treatment **P**	1665	SY	\$2.50	\$4,162.50	
502.3210	Pigmented Surface Sealer	190	SY	\$3.00	\$570.00	
503.0137	Prestressed Girder Type I 36W-Inch **P**	1206	LF	\$148.00	\$178,488.00	
505.0400	Bar Steel Reinforcement HS Structures **P**	18770	LB	\$0.75	\$14,077.50	
505.0600	Bar Steel Reinforcement HS Coated Structures **P**	132410	LB	\$0.85	\$112,548.50	
505.0800.S	Bar Steel Reinforcement HS Stainless Structures **P**	2660	LB	\$2.75	\$7,315.00	
506.2605	Bearing Pads Elastomeric Non-Laminated	32	EACH	\$100.00	\$3,200.00	
506.4000	Steel Diaphragms (structure) 003. B-13-708 **P**	14	EACH	\$600.00	\$8,400.00	
516.0500	Rubberized Membrane Waterproofing	42	SY	\$25.00	\$1,050.00	
517.1010.S	Concrete Staining (structure) 001. B-13-708 **P**	7265	SF	\$1.00	\$7,265.00	
550.0020	Pre-Boring Rock or Consolidated Materials	405	LF	\$29.00	\$11,745.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb	459	LF	\$29.00	\$13,311.00	
604.0400	Slope Paving Concrete	716	SY	\$45.00	\$32,220.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	730	LF	\$6.00	\$4,380.00	
614.0150	Anchor Assemblies for Steel Plate Beam Guard	4	EACH	\$150.00	\$600.00	
652.0125	Conduit Rigid Metallic 2-Inch **P**	52	LF	\$20.00	\$1,040.00	
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch **P**	389	LF	\$4.25	\$1,653.25	
653.0222	Junction Boxes 18x12x6-Inch	2	EACH	\$1,200.00	\$2,400.00	
SPV.0035	701. HPC Masonry Structures **P**	671	CY	\$515.00	\$345,565.00	
SPV.0165	701. Longitudinal Grooving Bridge Deck * **P**	14580	SF	\$0.30	\$4,374.00	
619.1000	Mobilization	0.06	EACH	\$3,317,590.76	=	\$193,739.97

BRIDGE

Prestressed I-Girder

State of Wisconsin
Department of Transportation

Total Bridge Cost \$1,804,864.42	Total Bridge Cost per SF \$148.63	Br Manual Bridge Cost \$1,654,864.42	Br Manual Bridge Cost per SF \$136.27
FHWA Bridge Cost \$1,420,311.20	FHWA Bridge Cost per SF \$116.96	Super. Only Cost pSF \$44.72	Substructure Only Cost pSF \$91.56
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B130708**Superstructure Bid Items**

501.1000.S	Ice Hot Weather Concreting	8420 LB	\$0.75	\$6,315.00
502.3200	Protective Surface Treatment **P**	1325 SY	\$2.50	\$3,312.50
502.3210	Pigmented Surface Sealer	150 SY	\$3.00	\$450.00
503.0137	Prestressed Girder Type I 36W-Inch **P**	1206 LF	\$148.00	\$178,488.00
505.0600	Bar Steel Reinforcement HS Coated Structures **P	74980 LB	\$0.85	\$63,733.00
505.0800.S	Bar Steel Reinforcement HS Stainless Structures **	2660 LB	\$2.75	\$7,315.00
506.2605	Bearing Pads Elastomeric Non-Laminated	32 EACH	\$100.00	\$3,200.00
506.4000	Steel Diaphragms (structure) 003. B-13-708 **P**	14 EACH	\$600.00	\$8,400.00
517.1010.S	Concrete Staining (structure) 001. B-13-708 **P**	3790 SF	\$1.00	\$3,790.00
614.0150	Anchor Assemblies for Steel Plate Beam Guard	4 EACH	\$150.00	\$600.00
652.0125	Conduit Rigid Metallic 2-Inch **P**	40 LF	\$20.00	\$800.00
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch **P	277 LF	\$4.25	\$1,177.25
653.0222	Junction Boxes 18x12x6-Inch	2 EACH	\$1,200.00	\$2,400.00
SPV.0035	701. HPC Masonry Structures **P**	504 CY	\$515.00	\$259,560.00
SPV.0165	701. Longitudinal Grooving Bridge Deck * **P**	11550 SF	\$0.30	\$3,465.00

BRIDGE

Prestressed I-Girder

State of Wisconsin
Department of Transportation

Structure ID B130711	Project Contract ID 1007-11-75	Letting Date 11/8/2016	Proposal No. 20161108001	Plans Sign Date 5/10/2016	Crossing: Grade
Designer WisDOT BOS	Contractor HOFFMAN CONSTRUCTION		No. of Spans 1	Span Lengths (ft) 112	
Abut Type A3	Pier Type	Width (ft) 63.16	Length (ft) 116.6	Area (SF) 7364.46	Wall Length (ft)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC: B130169
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$30,906,382.36

B130711 Structure Bid Items						
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0200	Removing Old Structure (station) 003. 1930+48'NB'	1	LS	\$150,000.00	\$150,000.00	
203.0210.S	Abatement of Asbestos Containing Material (structure) 001. B-13-1	1	LS	\$3,500.00	\$3,500.00	
206.1000	Excavation for Structures Bridges (structure) 004. B-13-711	1	LS	\$500,000.00	\$500,000.00	
210.0100	Backfill Structure	460	CY	\$10.00	\$4,600.00	
305.0120	Base Aggregate Dense 1 1/4-Inch	386	TON	\$0.01	\$3.86	
501.1000.S	Ice Hot Weather Concreting	3365	LB	\$0.75	\$2,523.75	
502.0100	Concrete Masonry Bridges **P**	298	CY	\$420.00	\$125,160.00	
502.3200	Protective Surface Treatment **P**	1041	SY	\$2.50	\$2,602.50	
502.3210	Pigmented Surface Sealer	155	SY	\$3.00	\$465.00	
503.0146	Prestressed Girder Type I 45W-Inch **P**	1243	LF	\$153.00	\$190,179.00	
505.0400	Bar Steel Reinforcement HS Structures **P**	18010	LB	\$0.75	\$13,507.50	
505.0600	Bar Steel Reinforcement HS Coated Structures **P**	82210	LB	\$0.85	\$69,878.50	
505.0800.S	Bar Steel Reinforcement HS Stainless Structures **P**	2180	LB	\$2.75	\$5,995.00	
506.2605	Bearing Pads Elastomeric Non-Laminated	22	EACH	\$100.00	\$2,200.00	
506.4000	Steel Diaphragms (structure) 004. B-13-711 **P**	20	EACH	\$800.00	\$16,000.00	
516.0500	Rubberized Membrane Waterproofing	36	SY	\$25.00	\$900.00	
604.0500	Slope Paving Crushed Aggregate	495	SY	\$18.00	\$8,910.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	210	LF	\$6.00	\$1,260.00	
614.0150	Anchor Assemblies for Steel Plate Beam Guard	4	EACH	\$150.00	\$600.00	
652.0125	Conduit Rigid Metallic 2-Inch **P**	44	LF	\$20.00	\$880.00	
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch **P**	341	LF	\$4.25	\$1,449.25	
653.0222	Junction Boxes 18x12x6-Inch	2	EACH	\$1,200.00	\$2,400.00	
SPV.0035	701. HPC Masonry Structures **P**	448	CY	\$515.00	\$230,720.00	
SPV.0165	701. Longitudinal Grooving Bridge Deck * **P**	9335	SF	\$0.30	\$2,800.50	

619.1000 Mobilization 0.05 EACH \$3,317,590.76 = \$160,720.19

Total Bridge Cost \$1,497,255.05	Total Bridge Cost per SF \$203.31	Br Manual Bridge Cost \$1,347,255.05	Br Manual Bridge Cost per SF \$182.94
FHWA Bridge Cost	FWHA Bridge Cost per SF	Super. Only Cost pSF	Substructure Only Cost pSF

\$1,169,395.61

\$158.79

\$57.56

\$125.38

Total Ret Wall Cost

Total Ret Wall Cost per SF

Br Manual Ret Wall Cost

Br Manual Ret Wall Cost per SF

Total Culvert Cost

Total Culvert Cost per LF

Br Manual Culvert Cost

Br Manual Culvert Cost per LF

Total Sign Cost

Total Sign Cost per LF of Arm

Br Manual Sign Cost

Br Manual Sign Cost per LF of Arm

B130711**Superstructure Bid Items**

501.1000.S	Ice Hot Weather Concreting	2325 LB	\$0.75	\$1,743.75
502.3200	Protective Surface Treatment **P**	773 SY	\$2.50	\$1,932.50
502.3210	Pigmented Surface Sealer	115 SY	\$3.00	\$345.00
503.0146	Prestressed Girder Type I 45W-Inch **P**	1243 LF	\$153.00	\$190,179.00
505.0600	Bar Steel Reinforcement HS Coated Structures **P	48790 LB	\$0.85	\$41,471.50
505.0800.S	Bar Steel Reinforcement HS Stainless Structures **	2180 LB	\$2.75	\$5,995.00
506.4000	Steel Diaphragms (structure) 004. B-13-711 **P**	20 EACH	\$800.00	\$16,000.00
614.0150	Anchor Assemblies for Steel Plate Beam Guard	4 EACH	\$150.00	\$600.00
652.0125	Conduit Rigid Metallic 2-Inch **P**	32 LF	\$20.00	\$640.00
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch **P	205 LF	\$4.25	\$871.25
653.0222	Junction Boxes 18x12x6-Inch	2 EACH	\$1,200.00	\$2,400.00
SPV.0035	701. HPC Masonry Structures **P**	310 CY	\$515.00	\$159,650.00
SPV.0165	701. Longitudinal Grooving Bridge Deck * **P**	6915 SF	\$0.30	\$2,074.50

BRIDGE

Prestressed I-Girder

State of Wisconsin
Department of Transportation

Structure ID B330129	Project Contract ID 5307-00-72	Letting Date 11/8/2016	Proposal No. 20161108008	Plans Sign Date 5/3/2016	Crossing: Stream
Designer AECOM	Contractor RADTKE CONTRACTORS		No. of Spans 1	Span Lengths (ft) 58	
Abut Type A1	Pier Type	Width (ft) 42.5	Length (ft) 61.83	Area (SF) 2627.77	Wall Length (ft)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC: B330850
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$534,481.75

B330129		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 01	1	LS	\$24,736.77	\$24,736.77	
206.1000	Excavation for Structures Bridges (structure) 01. B-33-0129	1	LS	\$8,400.00	\$8,400.00	
210.0100	Backfill Structure	400	CY	\$22.00	\$8,800.00	
502.0100	Concrete Masonry Bridges	235	CY	\$576.92	\$135,575.10	
502.3200	Protective Surface Treatment	362	SY	\$2.60	\$941.78	
503.0128	Prestressed Girder Type I 28-Inch	531	LF	\$132.21	\$70,206.01	
505.0400	Bar Steel Reinforcement HS Structures	6240	LB	\$1.05	\$6,547.01	
505.0600	Bar Steel Reinforcement HS Coated Structures	21750	LB	\$1.01	\$21,945.75	
506.2605	Bearing Pads Elastomeric Non-Laminated	18	EACH	\$53.94	\$970.99	
506.4000	Steel Diaphragms (structure) 01. B-33-0129	8	EACH	\$448.18	\$3,585.44	
513.4061	Railing Tubular Type M (structure) 01. B-33-0129	94	LF	\$208.45	\$19,594.30	
550.0020	Pre-Boring Rock or Consolidated Materials	208	LF	\$87.12	\$18,121.56	
550.1100	Piling Steel HP 10-Inch X 42 Lb	240	LF	\$44.15	\$10,596.50	
606.0300	Riprap Heavy	255	CY	\$35.95	\$9,167.25	
612.0406	Pipe Underdrain Wrapped 6-Inch	150	LF	\$8.50	\$1,275.00	
645.0120	Geotextile Type HR	385	SY	\$3.60	\$1,384.19	
SPV.0090	01. Railing Tubular Type M Modified B-33 -0129	94	LF	\$236.04	\$22,187.30	

619.1000 Mobilization 0.77 EACH \$62,667.03 = \$48,351.58

Total Bridge Cost \$412,386.53	Total Bridge Cost per SF \$156.93	Br Manual Bridge Cost \$387,649.75	Br Manual Bridge Cost per SF \$147.52
FHWA Bridge Cost \$328,746.73	FWHA Bridge Cost per SF \$125.10	Super. Only Cost pSF \$68.51	Substructure Only Cost pSF \$79.01
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B330129		Superstructure Bid Items			
502.0100	Concrete Masonry Bridges	105	CY	\$576.92	\$60,576.11

BRIDGE

Prestressed I-Girder

State of Wisconsin
Department of Transportation

502.3200	Protective Surface Treatment	362 SY	\$2.60	\$941.78
503.0128	Prestressed Girder Type I 28-Inch	531 LF	\$132.21	\$70,206.01
505.0600	Bar Steel Reinforcement HS Coated Structures	17020 LB	\$1.01	\$17,173.18
506.4000	Steel Diaphragms (structure) 01. B-33-0129	8 EACH	\$448.18	\$3,585.44
513.4061	Railing Tubular Type M (structure) 01. B-33-0129	62 LF	\$208.45	\$12,923.90
SPV.0090	01. Railing Tubular Type M Modified B-33 -0129	62 LF	\$236.04	\$14,634.18

BRIDGE

Prestressed I-Girder

State of Wisconsin
Department of Transportation

Structure ID B500082	Project Contract ID 9240-08-70	Letting Date 11/8/2016	Proposal No. 20161108027	Plans Sign Date 8/5/2016	Crossing: Stream
Designer MSA	Contractor PHEIFER BROTHERS CONSTRUCTION			No. of Spans 3	Span Lengths (ft) 92.6, 93.25, 92.6
Abut Type A1	Pier Type	Width (ft) 45.5	Length (ft) 282.33	Area (SF) 12846	Wall Length (ft)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)			Overall Culvert Length (ft)
Sign Type	Arm Type	Upright Type	Foundation Type		EXTG_STRC: B500001
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)	Total Project Cost \$2,840,943.29	

B500082		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0700.S	Removing Old Structure Over Waterway With Debris Capture Sys 01	1	LS	\$370,600.00	\$370,600.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-50-0082	1	LS	\$115,800.00	\$115,800.00	
209.0200.S	Backfill Controlled Low Strength	140	CY	\$120.00	\$16,800.00	
210.1500	Backfill Structure Type A	275	TON	\$10.17	\$2,796.75	
502.0100	Concrete Masonry Bridges	722	CY	\$560.00	\$404,320.00	
502.3200	Protective Surface Treatment	1670	SY	\$4.10	\$6,847.00	
503.0146	Prestressed Girder Type I 45W-Inch	1395	LF	\$150.00	\$209,250.00	
505.0400	Bar Steel Reinforcement HS Structures	28625	LB	\$0.95	\$27,193.75	
505.0600	Bar Steel Reinforcement HS Coated Structures	109730	LB	\$0.92	\$100,951.60	
506.2605	Bearing Pads Elastomeric Non-Laminated	30	EACH	\$100.00	\$3,000.00	
506.4000	Steel Diaphragms (structure) 01. B-50-0082	24	EACH	\$620.00	\$14,880.00	
511.1200	Temporary Shoring (structure) 01. B-50-0082	200	SF	\$31.00	\$6,200.00	
513.7016	Railing Steel Type C3 (structure) 01. B-50-0082	610	LF	\$178.00	\$108,580.00	
516.0500	Rubberized Membrane Waterproofing	26	SY	\$49.00	\$1,274.00	
517.1015.S	Concrete Staining Multi-Color (structure) 01. B-50-0082	2580	SF	\$3.49	\$9,004.20	
517.1050.S	Architectural Surface Treatment (structure) 01. B-50-0082	1380	SF	\$14.00	\$19,320.00	
517.1050.S	Architectural Surface Treatment (structure) 02. Traffic Face B-50-00	1200	SF	\$15.00	\$18,000.00	
550.0020	Pre-Boring Rock or Consolidated Materials	329	LF	\$120.00	\$39,480.00	
550.1125	Piling Steel HP 12-Inch X 74 Lb	355	LF	\$60.00	\$21,300.00	
606.0300	Riprap Heavy	180	CY	\$70.00	\$12,600.00	
606.0700	Grouted Riprap Heavy	15	CY	\$125.00	\$1,875.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	230	LF	\$4.50	\$1,035.00	
645.0120	Geotextile Type HR	390	SY	\$3.50	\$1,365.00	
652.0125	Conduit Rigid Metallic 2-Inch	48	LF	\$33.42	\$1,604.16	
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	1200	LF	\$4.84	\$5,808.00	
653.0222	Junction Boxes 18x12x6-Inch	4	EACH	\$1,069.29	\$4,277.16	
657.6005.S	Anchor Assemblies Light Poles on Structures	2	EACH	\$370.75	\$741.50	
SPV.0090	01. Drilled Shaft Foundation 36-Inch	183	LF	\$1,600.00	\$292,800.00	
SPV.0105	03. Seismograph/Vibration Monitoring	1	LS	\$12,000.00	\$12,000.00	

BRIDGE

Prestressed I-Girder

State of Wisconsin
Department of Transportation

SPV.0105	04. Utility Line Opening (ULO) Water Main at Bridge	1 LS	\$3,000.00	\$3,000.00
SPV.0165	01. Cut-Stone Boulders	72 SF	\$90.00	\$6,480.00
SPV.0195	01. Exc, Haul, and Disposal of Contaminated & Dewatering of Contaminated	170 TON	\$83.00	\$14,110.00

619.1000 Mobilization 0.71 EACH \$213,470.02 = \$150,571.47

Total Bridge Cost	Total Bridge Cost per SF	Br Manual Bridge Cost	Br Manual Bridge Cost per SF
\$2,003,864.59	\$155.99	\$1,633,264.59	\$127.14
FHWA Bridge Cost	FHWA Bridge Cost per SF	Super. Only Cost pSF	Substructure Only Cost pSF
\$1,428,573.80	\$111.21	\$63.47	\$63.67
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B500082		Superstructure Bid Items		
502.0100	Concrete Masonry Bridges	573 CY	\$560.00	\$320,880.00
502.3200	Protective Surface Treatment	1662 SY	\$4.10	\$6,814.20
503.0146	Prestressed Girder Type I 45W-Inch	1395 LF	\$150.00	\$209,250.00
505.0600	Bar Steel Reinforcement HS Coated Structures	105120 LB	\$0.92	\$96,710.40
506.2605	Bearing Pads Elastomeric Non-Laminated	30 EACH	\$100.00	\$3,000.00
506.4000	Steel Diaphragms (structure) 01. B-50-0082	24 EACH	\$620.00	\$14,880.00
513.7016	Railing Steel Type C3 (structure) 01. B-50-0082	610 LF	\$178.00	\$108,580.00
517.1015.S	Concrete Staining Multi-Color (structure) 01. B-50-	2380 SF	\$3.49	\$8,306.20
517.1050.S	Architectural Surface Treatment (structure) 01. B-5	1180 SF	\$14.00	\$16,520.00
517.1050.S	Architectural Surface Treatment (structure) 02. Tra	1200 SF	\$15.00	\$18,000.00
652.0125	Conduit Rigid Metallic 2-Inch	48 LF	\$33.42	\$1,604.16
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	1200 LF	\$4.84	\$5,808.00
653.0222	Junction Boxes 18x12x6-Inch	4 EACH	\$1,069.29	\$4,277.16
657.6005.S	Anchor Assemblies Light Poles on Structures	2 EACH	\$370.75	\$741.50

BRIDGE

Prestressed I-Girder

State of Wisconsin
Department of Transportation

Structure ID B550266	Project Contract ID 1021-01-70	Letting Date 11/8/2016	Proposal No. 20161108016	Plans Sign Date 5/10/2016	Crossing: Grade
Designer WisDOT BOS	Contractor HOFFMAN CONSTRUCTION		No. of Spans 2	Span Lengths (ft) 117, 117	
Abut Type A1	Pier Type	Width (ft) 58	Length (ft) 237.83	Area (SF) 13794.14	Wall Length (ft)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC: B550021
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$6,435,925.41

B550266		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0200	Removing Old Structure (station) 01. Sta. 248+88	1	LS	\$117,000.00	\$117,000.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-55-266	1	LS	\$100,000.00	\$100,000.00	
210.0100	Backfill Structure	557	CY	\$15.00	\$8,355.00	
502.0100	Concrete Masonry Bridges	818	CY	\$524.00	\$428,632.00	
502.3200	Protective Surface Treatment	1498	SY	\$3.00	\$4,494.00	
502.3210	Pigmented Surface Sealer	216	SY	\$4.00	\$864.00	
503.0146	Prestressed Girder Type I 45W-Inch	2113	LF	\$195.00	\$412,035.00	
505.0100	Bar Steel Reinforcement Structures	10240	LB	\$0.84	\$8,601.60	
505.0600	Bar Steel Reinforcement HS Coated Structures	139310	LB	\$0.85	\$118,413.50	
506.2605	Bearing Pads Elastomeric Non-Laminated	36	EACH	\$95.00	\$3,420.00	
506.4000	Steel Diaphragms (structure) 01. B-55-266	32	EACH	\$465.00	\$14,880.00	
511.1200	Temporary Shoring (structure) 01. B-55-266	125	SF	\$50.00	\$6,250.00	
516.0500	Rubberized Membrane Waterproofing	31	SY	\$20.00	\$620.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb	2695	LF	\$32.00	\$86,240.00	
604.0500	Slope Paving Crushed Aggregate	538	SY	\$35.00	\$18,830.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	247	LF	\$10.00	\$2,470.00	
614.0150	Anchor Assemblies for Steel Plate Beam Guard	4	EACH	\$150.00	\$600.00	
652.0125	Conduit Rigid Metallic 2-Inch	48	LF	\$12.60	\$604.80	
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	1088	LF	\$3.40	\$3,699.20	
653.0222	Junction Boxes 18x12x6-Inch	2	EACH	\$1,980.00	\$3,960.00	
SPV.0090	02. Fence Chain Link Polymer-Coated 6-Ft	538	LF	\$35.00	\$18,830.00	

619.1000 Mobilization 0.23 EACH \$474,365.00 = \$108,120.47

Total Bridge Cost \$1,466,919.57	Total Bridge Cost per SF \$106.34	Br Manual Bridge Cost \$1,349,919.57	Br Manual Bridge Cost per SF \$97.86
FHWA Bridge Cost \$1,214,705.10	FHWA Bridge Cost per SF \$88.06	Super. Only Cost pSF \$62.46	Substructure Only Cost pSF \$35.40
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF

Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm
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B550266		Superstructure Bid Items		
502.0100	Concrete Masonry Bridges	583 CY	\$524.00	\$305,492.00
502.3200	Protective Surface Treatment	1498 SY	\$3.00	\$4,494.00
502.3210	Pigmented Surface Sealer	190 SY	\$4.00	\$760.00
503.0146	Prestressed Girder Type I 45W-Inch	2113 LF	\$195.00	\$412,035.00
505.0600	Bar Steel Reinforcement HS Coated Structures	117530 LB	\$0.85	\$99,900.50
506.4000	Steel Diaphragms (structure) 01. B-55-266	32 EACH	\$465.00	\$14,880.00
652.0125	Conduit Rigid Metallic 2-Inch	24 LF	\$12.60	\$302.40
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	928 LF	\$3.40	\$3,155.20
653.0222	Junction Boxes 18x12x6-Inch	2 EACH	\$1,980.00	\$3,960.00
SPV.0090	02. Fence Chain Link Polymer-Coated 6-Ft	476 LF	\$35.00	\$16,660.00

BRIDGE

Concrete Flat Slab

State of Wisconsin
Department of Transportation

Structure ID B550278	Project Contract ID 8934-00-70	Letting Date 11/8/2016	Proposal No. 20161108019	Plans Sign Date 5/6/2016	Crossing: Stream
Designer Ayres Associates	Contractor LARSON CONSTRUCTION		No. of Spans 1	Span Lengths (ft) 50	
Abut Type A1	Pier Type	Width (ft) 26.5	Length (ft) 52.9	Area (SF) 1401.85	Wall Length (ft)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC: P550070
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$718,623.85

B550278		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 01	1	LS	\$12,000.00	\$12,000.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-55-278	1	LS	\$12,000.00	\$12,000.00	
210.0100	Backfill Structure	230	CY	\$15.00	\$3,450.00	
502.0100	Concrete Masonry Bridges	180	CY	\$417.00	\$75,060.00	
502.3200	Protective Surface Treatment	190	SY	\$3.00	\$570.00	
505.0400	Bar Steel Reinforcement HS Structures	4500	LB	\$1.15	\$5,175.00	
505.0600	Bar Steel Reinforcement HS Coated Structures	22960	LB	\$1.15	\$26,404.00	
513.4061	Railing Tubular Type M (structure) 01. B-55-278	108	LF	\$200.00	\$21,600.00	
516.0500	Rubberized Membrane Waterproofing	20	SY	\$39.00	\$780.00	
550.0500	Pile Points	10	EACH	\$125.00	\$1,250.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb	300	LF	\$37.00	\$11,100.00	
606.0300	Riprap Heavy	195	CY	\$60.00	\$11,700.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	170	LF	\$6.50	\$1,105.00	
645.0120	Geotextile Type HR	380	SY	\$3.00	\$1,140.00	
619.1000	Mobilization	0.28	EACH	\$54,350.00	=	\$15,000.14

Total Bridge Cost \$198,334.14	Total Bridge Cost per SF \$141.48	Br Manual Bridge Cost \$186,334.14	Br Manual Bridge Cost per SF \$132.92
FHWA Bridge Cost \$158,494.00	FWHA Bridge Cost per SF \$113.06	Super. Only Cost pSF \$69.32	Substructure Only Cost pSF \$63.60
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B550278		Superstructure Bid Items			
502.0100	Concrete Masonry Bridges	122	CY	\$417.00	\$50,874.00
502.3200	Protective Surface Treatment	190	SY	\$3.00	\$570.00
505.0600	Bar Steel Reinforcement HS Coated Structures	20980	LB	\$1.15	\$24,127.00
513.4061	Railing Tubular Type M (structure) 01. B-55-278	108	LF	\$200.00	\$21,600.00

BRIDGE

Concrete Flat Slab

State of Wisconsin
Department of Transportation

Structure ID B550279	Project Contract ID 8942-00-70	Letting Date 11/8/2016	Proposal No. 20161108019	Plans Sign Date 5/6/2016	Crossing: Stream
Designer Ayres Associates	Contractor LARSON CONSTRUCTION		No. of Spans 1	Span Lengths (ft) 50	
Abut Type A5	Pier Type	Width (ft) 30.5	Length (ft) 52.54	Area (SF) 1602.47	Wall Length (ft)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC: P550903
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)	\$718,623.85	

B550279		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 02	1	LS	\$12,000.00	\$12,000.00	
206.1000	Excavation for Structures Bridges (structure) 02. B-55-279	1	LS	\$12,000.00	\$12,000.00	
210.0100	Backfill Structure	390	CY	\$15.00	\$5,850.00	
502.0100	Concrete Masonry Bridges	225	CY	\$417.00	\$93,825.00	
502.3200	Protective Surface Treatment	215	SY	\$3.00	\$645.00	
505.0400	Bar Steel Reinforcement HS Structures	4880	LB	\$1.15	\$5,612.00	
505.0600	Bar Steel Reinforcement HS Coated Structures	26650	LB	\$1.15	\$30,647.50	
513.4061	Railing Tubular Type M (structure) 02. B-55-279	109	LF	\$200.00	\$21,800.00	
516.0500	Rubberized Membrane Waterproofing	22	SY	\$39.00	\$858.00	
550.0500	Pile Points	16	EACH	\$125.00	\$2,000.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb	620	LF	\$37.00	\$22,940.00	
606.0300	Riprap Heavy	145	CY	\$60.00	\$8,700.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	170	LF	\$6.50	\$1,105.00	
645.0120	Geotextile Type HR	290	SY	\$3.00	\$870.00	
619.1000	Mobilization	0.33	EACH	\$54,350.00	=	\$17,906.22

Total Bridge Cost \$236,758.72	Total Bridge Cost per SF \$147.75	Br Manual Bridge Cost \$224,758.72	Br Manual Bridge Cost per SF \$140.26
FHWA Bridge Cost \$197,282.50	FWHA Bridge Cost per SF \$123.11	Super. Only Cost pSF \$66.81	Substructure Only Cost pSF \$73.45
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B550279		Superstructure Bid Items			
502.0100	Concrete Masonry Bridges	139	CY	\$417.00	\$57,963.00
502.3200	Protective Surface Treatment	215	SY	\$3.00	\$645.00
505.0600	Bar Steel Reinforcement HS Coated Structures	23170	LB	\$1.15	\$26,645.50
513.4061	Railing Tubular Type M (structure) 02. B-55-279	109	LF	\$200.00	\$21,800.00

BRIDGE

Concrete Flat Slab

State of Wisconsin
Department of Transportation

Structure ID B550280	Project Contract ID 8942-00-71	Letting Date 11/8/2016	Proposal No. 20161108019	Plans Sign Date 5/6/2016	Crossing: Stream
Designer Ayres Associates	Contractor LARSON CONSTRUCTION		No. of Spans 1	Span Lengths (ft) 50	
Abut Type A5	Pier Type	Width (ft) 26.5	Length (ft) 52.54	Area (SF) 1392	Wall Length (ft)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC: P550107
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$718,623.85

B550280		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 03	1	LS	\$12,000.00	\$12,000.00	
206.1000	Excavation for Structures Bridges (structure) 03. B-55-280	1	LS	\$12,000.00	\$12,000.00	
210.0100	Backfill Structure	200	CY	\$15.00	\$3,000.00	
502.0100	Concrete Masonry Bridges	172	CY	\$417.00	\$71,724.00	
502.3200	Protective Surface Treatment	190	SY	\$3.00	\$570.00	
505.0400	Bar Steel Reinforcement HS Structures	4080	LB	\$1.15	\$4,692.00	
505.0600	Bar Steel Reinforcement HS Coated Structures	22220	LB	\$1.15	\$25,553.00	
513.4061	Railing Tubular Type M (structure) 03. B-55-280	109	LF	\$200.00	\$21,800.00	
516.0500	Rubberized Membrane Waterproofing	18	SY	\$39.00	\$702.00	
550.0500	Pile Points	10	EACH	\$125.00	\$1,250.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb	525	LF	\$37.00	\$19,425.00	
606.0300	Riprap Heavy	175	CY	\$60.00	\$10,500.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	170	LF	\$6.50	\$1,105.00	
645.0120	Geotextile Type HR	330	SY	\$3.00	\$990.00	
619.1000	Mobilization	0.28	EACH	\$54,350.00	=	\$15,161.90

Total Bridge Cost \$200,472.90	Total Bridge Cost per SF \$144.02	Br Manual Bridge Cost \$188,472.90	Br Manual Bridge Cost per SF \$135.40
FHWA Bridge Cost \$161,821.00	FWHA Bridge Cost per SF \$116.25	Super. Only Cost pSF \$68.89	Substructure Only Cost pSF \$66.51
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B550280		Superstructure Bid Items			
502.0100	Concrete Masonry Bridges	120	CY	\$417.00	\$50,040.00
502.3200	Protective Surface Treatment	190	SY	\$3.00	\$570.00
505.0600	Bar Steel Reinforcement HS Coated Structures	20420	LB	\$1.15	\$23,483.00
513.4061	Railing Tubular Type M (structure) 03. B-55-280	109	LF	\$200.00	\$21,800.00

BRIDGE

Prestressed I-Girder

State of Wisconsin
Department of Transportation

Structure ID B050408	Project Contract ID 4190-16-72	Letting Date 12/13/2016	Proposal No. 20161213025	Plans Sign Date 8/5/2016	Crossing: Stream
Designer WisDOT BOS	Contractor NORTHEAST ASPHALT, INC		No. of Spans	Span Lengths (ft) 95	
Abut Type A1	Pier Type	Width (ft) 42.9	Length (ft) 98.8	Area (SF) 4238.52	Wall Length (ft)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC: B050016
Sign Type	Arm Type	Upright Type		Foundation Type	Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$6,338,781.43

B050408		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0200	Removing Old Structure placeholder	0		\$0.00	\$0.00	
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 01	1 LS		\$32,250.00	\$32,250.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-5-408	1 LS		\$2,000.00	\$2,000.00	
210.1500	Backfill Structure Type A	800 TON		\$18.50	\$14,800.00	
502.0100	Concrete Masonry Bridges	297 CY		\$500.00	\$148,500.00	
502.3200	Protective Surface Treatment	448 SY		\$2.50	\$1,120.00	
502.3210	Pigmented Surface Sealer	109 SY		\$3.00	\$327.00	
503.0146	Prestressed Girder Type I 45W-Inch	480 LF		\$165.00	\$79,200.00	
505.0400	Bar Steel Reinforcement HS Structures	5560 LB		\$1.01	\$5,615.60	
505.0600	Bar Steel Reinforcement HS Coated Structures	35720 LB		\$1.11	\$39,649.20	
506.2605	Bearing Pads Elastomeric Non-Laminated	10 EACH		\$125.00	\$1,250.00	
506.4000	Steel Diaphragms (structure) 01. B-5-408	8 EACH		\$550.00	\$4,400.00	
516.0500	Rubberized Membrane Waterproofing	24 SY		\$29.07	\$697.68	
550.0500	Pile Points	20 EACH		\$125.00	\$2,500.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb	2000 LF		\$30.00	\$60,000.00	
606.0300	Riprap Heavy	600 CY		\$55.00	\$33,000.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	150 LF		\$5.50	\$825.00	
614.0150	Anchor Assemblies for Steel Plate Beam Guard	4 EACH		\$400.00	\$1,600.00	
645.0120	Geotextile Type HR	970 SY		\$3.00	\$2,910.00	

619.1000 Mobilization 0.08 EACH \$780,000.00 = \$60,427.40

Total Bridge Cost \$491,071.88	Total Bridge Cost per SF \$115.86	Br Manual Bridge Cost \$458,821.88	Br Manual Bridge Cost per SF \$108.25
FHWA Bridge Cost	FWHA Bridge Cost per SF	Super. Only Cost pSF \$49.77	Substructure Only Cost pSF \$58.49
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF

Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm
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B050408**Superstructure Bid Items**

502.0100	Concrete Masonry Bridges	183 CY	\$500.00	\$91,500.00
502.3200	Protective Surface Treatment	448 SY	\$2.50	\$1,120.00
502.3210	Pigmented Surface Sealer	83 SY	\$3.00	\$249.00
503.0146	Prestressed Girder Type I 45W-Inch	480 LF	\$165.00	\$79,200.00
505.0600	Bar Steel Reinforcement HS Coated Structures	29920 LB	\$1.11	\$33,211.20
506.2605	Bearing Pads Elastomeric Non-Laminated	10 EACH	\$125.00	\$1,250.00
506.4000	Steel Diaphragms (structure) 01. B-5-408	8 EACH	\$550.00	\$4,400.00

BRIDGE

Prestressed I-Girder

State of Wisconsin
Department of Transportation

Structure ID B050409	Project Contract ID 4190-16-72	Letting Date 12/13/2016	Proposal No. 20161213025	Plans Sign Date 8/5/2016	Crossing: Stream
Designer WisDOT BOS	Contractor NORTHEAST ASPHALT, INC		No. of Spans 1	Span Lengths (ft) 95	
Abut Type A1	Pier Type	Width (ft) 42.9	Length (ft) 98.8	Area (SF) 4238.52	Wall Length (ft)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC: B050034
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)	\$6,338,781.43	

B050409		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0200	Removing Old Structure placeholder	0		\$0.00	\$0.00	
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 01	1 LS		\$32,250.00	\$32,250.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-5-409	1 LS		\$2,000.00	\$2,000.00	
210.1500	Backfill Structure Type A	800 TON		\$18.50	\$14,800.00	
502.0100	Concrete Masonry Bridges	297 CY		\$500.00	\$148,500.00	
502.3200	Protective Surface Treatment	448 SY		\$2.50	\$1,120.00	
502.3210	Pigmented Surface Sealer	109 SY		\$3.00	\$327.00	
503.0146	Prestressed Girder Type I 45W-Inch	480 LF		\$165.00	\$79,200.00	
505.0400	Bar Steel Reinforcement HS Structures	5560 LB		\$1.01	\$5,615.60	
505.0600	Bar Steel Reinforcement HS Coated Structures	35720 LB		\$1.11	\$39,649.20	
506.2605	Bearing Pads Elastomeric Non-Laminated	10 EACH		\$125.00	\$1,250.00	
506.4000	Steel Diaphragms (structure) 01. B-5-409	8 EACH		\$550.00	\$4,400.00	
516.0500	Rubberized Membrane Waterproofing	24 SY		\$29.07	\$697.68	
550.0500	Pile Points	20 EACH		\$125.00	\$2,500.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb	2050 LF		\$30.00	\$61,500.00	
606.0300	Riprap Heavy	480 CY		\$55.00	\$26,400.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	150 LF		\$5.50	\$825.00	
614.0150	Anchor Assemblies for Steel Plate Beam Guard	4 EACH		\$400.00	\$1,600.00	
645.0120	Geotextile Type HR	790 SY		\$3.00	\$2,370.00	

619.1000 Mobilization 0.08 EACH \$780,000.00 = \$59,636.00

Total Bridge Cost \$484,640.48	Total Bridge Cost per SF \$114.34	Br Manual Bridge Cost \$452,390.48	Br Manual Bridge Cost per SF \$106.73
FHWA Bridge Cost	FWHA Bridge Cost per SF	Super. Only Cost pSF \$49.77	Substructure Only Cost pSF \$56.97
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF

Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm
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B050409**Superstructure Bid Items**

502.0100	Concrete Masonry Bridges	183 CY	\$500.00	\$91,500.00
502.3200	Protective Surface Treatment	448 SY	\$2.50	\$1,120.00
502.3210	Pigmented Surface Sealer	83 SY	\$3.00	\$249.00
503.0146	Prestressed Girder Type I 45W-Inch	480 LF	\$165.00	\$79,200.00
505.0600	Bar Steel Reinforcement HS Coated Structures	29920 LB	\$1.11	\$33,211.20
506.2605	Bearing Pads Elastomeric Non-Laminated	10 EACH	\$125.00	\$1,250.00
506.4000	Steel Diaphragms (structure) 01. B-5-409	8 EACH	\$550.00	\$4,400.00

BRIDGE

Concrete Flat Slab

State of Wisconsin
Department of Transportation

Structure ID B130675	Project Contract ID 5804-00-74	Letting Date 12/13/2016	Proposal No. 20161213007	Plans Sign Date 10/3/2016	Crossing: Stream
Designer Cedar Corp	Contractor CONCRETE STRUCTURES, INC.		No. of Spans 1	Span Lengths (ft) 38	
Abut Type A1	Pier Type	Width (ft) 26.5	Length (ft) 40.8	Area (SF) 1081.2	Wall Length (ft)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC: P130216
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$251,683.75

B130675		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 01	1	LS	\$5,000.00	\$5,000.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-13-0675	1	LS	\$5,000.00	\$5,000.00	
210.1500	Backfill Structure Type A	240	TON	\$18.00	\$4,320.00	
502.0100	Concrete Masonry Bridges	137	CY	\$750.00	\$102,750.00	
502.3200	Protective Surface Treatment	138	SY	\$3.00	\$414.00	
505.0400	Bar Steel Reinforcement HS Structures	3440	LB	\$0.90	\$3,096.00	
505.0600	Bar Steel Reinforcement HS Coated Structures	16540	LB	\$1.00	\$16,540.00	
513.4061	Railing Tubular Type M (structure) 01. B-13-0675	126	LF	\$220.00	\$27,720.00	
516.0500	Rubberized Membrane Waterproofing	18	SY	\$30.00	\$540.00	
550.0500	Pile Points	10	EACH	\$125.00	\$1,250.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb	350	LF	\$40.00	\$14,000.00	
606.0300	Riprap Heavy	100	CY	\$45.00	\$4,500.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	160	LF	\$9.00	\$1,440.00	
645.0120	Geotextile Type HR	200	SY	\$3.00	\$600.00	
619.1000	Mobilization	0.81	EACH	\$22,000.00	=	\$17,927.87

Total Bridge Cost \$205,097.87	Total Bridge Cost per SF \$189.69	Br Manual Bridge Cost \$200,097.87	Br Manual Bridge Cost per SF \$185.07
FHWA Bridge Cost \$177,070.00	FWHA Bridge Cost per SF \$163.77	Super. Only Cost pSF \$92.23	Substructure Only Cost pSF \$92.84
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B130675		Superstructure Bid Items			
502.0100	Concrete Masonry Bridges	77.1	CY	\$750.00	\$57,825.00
502.3200	Protective Surface Treatment	138	SY	\$3.00	\$414.00
505.0600	Bar Steel Reinforcement HS Coated Structures	13760	LB	\$1.00	\$13,760.00
513.4061	Railing Tubular Type M (structure) 01. B-13-0675	126	LF	\$220.00	\$27,720.00

BRIDGE

Prestressed I-Girder

State of Wisconsin
Department of Transportation

Structure ID B130726	Project Contract ID 1007-10-81	Letting Date 12/13/2016	Proposal No. 20161213001	Plans Sign Date 8/5/2016	Crossing: Grade
Designer OTIE, Inc.	Contractor ROCK ROAD COMPANIES, INC.		No. of Spans 2	Span Lengths (ft) 116, 116	
Abut Type A1	Pier Type	Width (ft) 54.8	Length (ft) 236.8	Area (SF) 12976.64	Wall Length (ft) Retaining Wall Area (SF)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC: B130139
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$2,832,712.16

B130726		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0200	Removing Old Structure (station) 001. 49+79.81	1	LS	\$285,000.00	\$285,000.00	
203.0210.S	Abatement of Asbestos Containing Material (structure) 001. B-13-1	1	LS	\$4,800.00	\$4,800.00	
203.0225.S	Debris Containment (structure) 001. B-13-139	1	LS	\$2,000.00	\$2,000.00	
206.1000	Excavation for Structures Bridges (structure) 001. B-13-726	1	LS	\$23,106.99	\$23,106.99	
210.1500	Backfill Structure Type A	1410	TON	\$13.89	\$19,584.90	
502.0100	Concrete Masonry Bridges **P**	949	CY	\$500.00	\$474,500.00	
502.3200	Protective Surface Treatment **P**	1370	SY	\$2.50	\$3,425.00	
502.3210	Pigmented Surface Sealer	280	SY	\$3.00	\$840.00	
503.0155	Prestressed Girder Type I 54W-Inch **P**	1629	LF	\$150.00	\$244,350.00	
505.0400	Bar Steel Reinforcement HS Structures **P**	26720	LB	\$0.70	\$18,704.00	
505.0600	Bar Steel Reinforcement HS Coated Structures **P**	146320	LB	\$0.78	\$114,129.60	
506.2605	Bearing Pads Elastomeric Non-Laminated	28	EACH	\$75.00	\$2,100.00	
506.4000	Steel Diaphragms (structure) 001. B-13-726 **P**	24	EACH	\$600.00	\$14,400.00	
511.1200	Temporary Shoring (structure) 001. B-13-726	1515	SF	\$0.01	\$15.15	
516.0500	Rubberized Membrane Waterproofing	36	SY	\$25.00	\$900.00	
517.1010.S	Concrete Staining (structure) 001. B-13-726 **P**	13340	SF	\$1.14	\$15,207.60	
550.0020	Pre-Boring Rock or Consolidated Materials	340	LF	\$35.00	\$11,900.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb	1105	LF	\$33.50	\$37,017.50	
604.0400	Slope Paving Concrete	40	SY	\$80.00	\$3,200.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	210	LF	\$6.78	\$1,423.80	
614.0150	Anchor Assemblies for Steel Plate Beam Guard	4	EACH	\$250.00	\$1,000.00	
652.0125	Conduit Rigid Metallic 2-Inch	48	LF	\$15.00	\$720.00	
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch **P**	1150	LF	\$3.50	\$4,025.00	
653.0222	Junction Boxes 18x12x6-Inch	4	EACH	\$1,000.00	\$4,000.00	
SPV.0090	700. Fence Chain Link Polymer Coated 6-F T	562	LF	\$54.00	\$30,348.00	

619.1000 Mobilization 0.49 EACH \$138,460.00 = \$67,666.25

Total Bridge Cost \$1,384,363.79	Total Bridge Cost per SF \$106.68	Br Manual Bridge Cost \$1,099,363.79	Br Manual Bridge Cost per SF \$84.72
FHWA Bridge Cost	FHWA Bridge Cost per SF	Super. Only Cost pSF	Substructure Only Cost pSF

BRIDGE

Prestressed I-Girder

State of Wisconsin
Department of Transportation

\$1,012,952.54

\$78.06

\$52.13

\$32.59

Total Ret Wall Cost

Total Ret Wall Cost per SF

Br Manual Ret Wall Cost

Br Manual Ret Wall Cost per SF

Total Culvert Cost

Total Culvert Cost per LF

Br Manual Culvert Cost

Br Manual Culvert Cost per LF

Total Sign Cost

Total Sign Cost per LF of Arm

Br Manual Sign Cost

Br Manual Sign Cost per LF of Arm

B130726**Superstructure Bid Items**

502.0100	Concrete Masonry Bridges **P**	571	CY	\$500.00	\$285,500.00
502.3200	Protective Surface Treatment **P**	1370	SY	\$2.50	\$3,425.00
502.3210	Pigmented Surface Sealer	234	SY	\$3.00	\$702.00
503.0155	Prestressed Girder Type I 54W-Inch **P**	1629	LF	\$150.00	\$244,350.00
505.0600	Bar Steel Reinforcement HS Coated Structures **P	111550	LB	\$0.78	\$87,009.00
506.4000	Steel Diaphragms (structure) 001. B-13-726 **P**	24	EACH	\$600.00	\$14,400.00
517.1010.S	Concrete Staining (structure) 001. B-13-726 **P**	6020	SF	\$1.14	\$6,862.80
614.0150	Anchor Assemblies for Steel Plate Beam Guard	4	EACH	\$250.00	\$1,000.00
652.0125	Conduit Rigid Metallic 2-Inch	24	LF	\$15.00	\$360.00
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch **P	926	LF	\$3.50	\$3,241.00
653.0222	Junction Boxes 18x12x6-Inch	4	EACH	\$1,000.00	\$4,000.00
SPV.0090	700. Fence Chain Link Polymer Coated 6-F T	474	LF	\$54.00	\$25,596.00

Structure ID	Project Contract ID	Letting Date	Proposal No.	Plans Sign Date	Crossing:
B320232	5075-00-70	12/13/2016	20161213003	10/10/2016	Stream
Designer	Contractor		No. of Spans	Span Lengths (ft)	
MSA	LARSON CONSTRUCTION CO., INC.		3	43, 58, 43	
Abut Type	Pier Type	Width (ft)	Length (ft)	Area (SF)	Wall Length (ft)
A1		36.5	146.89	5361.48	
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC:
					B320099
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert.Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$844,210.37

B320232		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0200	Removing Old Structure placeholder	0		\$0.00	\$0.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-32-232	1 LS		\$20,000.00	\$20,000.00	
206.5000	Cofferdams (structure) 01. B-32-232	1 LS		\$21,500.00	\$21,500.00	
210.1500	Backfill Structure Type A	345 TON		\$17.00	\$5,865.00	
502.0100	Concrete Masonry Bridges	617 CY		\$421.00	\$259,757.00	
502.3200	Protective Surface Treatment	557 SY		\$3.00	\$1,671.00	
502.3210	Pigmented Surface Sealer	165 SY		\$3.50	\$577.50	
505.0400	Bar Steel Reinforcement HS Structures	10380 LB		\$1.01	\$10,483.80	
505.0600	Bar Steel Reinforcement HS Coated Structures	82850 LB		\$1.01	\$83,678.50	
516.0500	Rubberized Membrane Waterproofing	16 SY		\$46.00	\$736.00	
550.2126	Piling CIP Concrete 12 3/4 X 0.375-Inch	2690 LF		\$45.00	\$121,050.00	
606.0300	Riprap Heavy	440 CY		\$44.00	\$19,360.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	240 LF		\$8.00	\$1,920.00	
614.0150	Anchor Assemblies for Steel Plate Beam Guard	4 EACH		\$111.11	\$444.44	
645.0120	Geotextile Type HR	750 SY		\$2.85	\$2,137.50	
SPV.0105	01. Rem. Old Str Over Wtrway Sta. 56+10 with Debris Cap System U	1 LS		\$65,000.00	\$65,000.00	

619.1000	Mobilization	0.79	EACH	\$64,050.00	=	\$50,423.32
Total Bridge Cost	Total Bridge Cost per SF	Br Manual Bridge Cost	Br Manual Bridge Cost per SF			
\$664,604.06	\$123.96	\$664,604.06	\$123.96			
FHWA Bridge Cost	FWHA Bridge Cost per SF	Super. Only Cost pSF	Substructure Only Cost pSF			
\$527,683.24	\$98.42	\$47.94	\$76.02			
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF			
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF			
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm			

B320232		Superstructure Bid Items			
502.0100	Concrete Masonry Bridges	415	CY	\$421.00	\$174,715.00
502.3200	Protective Surface Treatment	550	SY	\$3.00	\$1,650.00

502.3210	Pigmented Surface Sealer	165 SY	\$3.50	\$577.50
505.0600	Bar Steel Reinforcement HS Coated Structures	79270 LB	\$1.01	\$80,062.70

BRIDGE

Prestressed I-Girder

State of Wisconsin
Department of Transportation

Structure ID B360230	Project Contract ID 1224-21-73	Letting Date 12/13/2016	Proposal No. 20161213018	Plans Sign Date 8/9/2016	Crossing: Stream
Designer Ayres Associates	Contractor NORTHEAST ASPHALT, INC		No. of Spans 1	Span Lengths (ft) 71	
Abut Type A1	Pier Type	Width (ft) 44.5	Length (ft) 75.5	Area (SF) 3359.75	Wall Length (ft)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC: B360014
Sign Type	Arm Type	Upright Type		Foundation Type	Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)		Max. Sign Depth (ft)	\$9,423,219.48

B360230		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 01	1 LS		\$100,000.00	\$100,000.00	
206.1000	Excavation for Structures Bridges (structure) 14. B-36-0230	1 LS		\$5,000.00	\$5,000.00	
210.1500	Backfill Structure Type A	600 TON		\$19.00	\$11,400.00	
502.0100	Concrete Masonry Bridges	386 CY		\$750.00	\$289,500.00	
502.3200	Protective Surface Treatment	555 SY		\$2.00	\$1,110.00	
502.3210	Pigmented Surface Sealer	99 SY		\$2.50	\$247.50	
503.0137	Prestressed Girder Type I 36W-Inch	360 LF		\$175.00	\$63,000.00	
505.0400	Bar Steel Reinforcement HS Structures	5980 LB		\$0.85	\$5,083.00	
505.0600	Bar Steel Reinforcement HS Coated Structures	57390 LB		\$0.90	\$51,651.00	
505.0800.S	Bar Steel Reinforcement HS Stainless Structures	1560 LB		\$3.50	\$5,460.00	
506.2605	Bearing Pads Elastomeric Non-Laminated	10 EACH		\$100.00	\$1,000.00	
506.4000	Steel Diaphragms (structure) 01. B-36-0230	4 EACH		\$1,500.00	\$6,000.00	
516.0500	Rubberized Membrane Waterproofing	22 SY		\$45.00	\$990.00	
550.0600	Pile Redriving	20 EACH		\$250.00	\$5,000.00	
550.2104	Piling CIP Concrete 10 3/4 X 0.25-Inch	1700 LF		\$35.00	\$59,500.00	
606.0300	Riprap Heavy	210 CY		\$60.00	\$12,600.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	200 LF		\$4.90	\$980.00	
614.0150	Anchor Assemblies for Steel Plate Beam Guard	4 EACH		\$150.00	\$600.00	
645.0120	Geotextile Type HR	320 SY		\$4.00	\$1,280.00	

619.1000 Mobilization 0.07 EACH \$270,000.00 = \$18,300.49

Total Bridge Cost \$638,701.99	Total Bridge Cost per SF \$190.10	Br Manual Bridge Cost \$538,701.99	Br Manual Bridge Cost per SF \$160.34
FHWA Bridge Cost	FWHA Bridge Cost per SF	Super. Only Cost pSF \$66.53	Substructure Only Cost pSF \$93.81
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF

Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm
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B360230**Superstructure Bid Items**

502.0100	Concrete Masonry Bridges	176 CY	\$750.00	\$132,000.00
502.3200	Protective Surface Treatment	365 SY	\$2.00	\$730.00
502.3210	Pigmented Surface Sealer	65 SY	\$2.50	\$162.50
503.0137	Prestressed Girder Type I 36W-Inch	360 LF	\$175.00	\$63,000.00
505.0600	Bar Steel Reinforcement HS Coated Structures	23370 LB	\$0.90	\$21,033.00
506.4000	Steel Diaphragms (structure) 01. B-36-0230	4 EACH	\$1,500.00	\$6,000.00
614.0150	Anchor Assemblies for Steel Plate Beam Guard	4 EACH	\$150.00	\$600.00

Structure ID	Project Contract ID	Letting Date	Proposal No.	Plans Sign Date	Crossing:
B360231	1224-21-73	12/13/2016	20161213018	9/8/2016	Grade
Designer	Contractor		No. of Spans	Span Lengths (ft)	
Omnni Assoc	NORTHEAST ASPHALT, INC		3	30, 60.5, 30	
Abut Type	Pier Type	Width (ft)	Length (ft)	Area (SF)	Wall Length (ft)
A1		44.89	123.7	5552.89	
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC:
					B360049
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert.Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)	\$9,423,219.48	

B360231		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0200	Removing Old Structure (station) 15. 10+02	1	LS	\$100,000.00	\$100,000.00	
206.1000	Excavation for Structures Bridges (structure) 15. B-36-0231	1	LS	\$5,000.00	\$5,000.00	
210.1500	Backfill Structure Type A	130	TON	\$19.00	\$2,470.00	
305.0120	Base Aggregate Dense 1 1/4-Inch	290	TON	\$10.25	\$2,972.50	
502.0100	Concrete Masonry Bridges	783	CY	\$750.00	\$587,250.00	
502.3200	Protective Surface Treatment	780	SY	\$2.00	\$1,560.00	
502.3210	Pigmented Surface Sealer	130	SY	\$2.50	\$325.00	
505.0400	Bar Steel Reinforcement HS Structures	10430	LB	\$0.85	\$8,865.50	
505.0600	Bar Steel Reinforcement HS Coated Structures	130300	LB	\$0.90	\$117,270.00	
505.0800.S	Bar Steel Reinforcement HS Stainless Structures	414	LB	\$3.50	\$1,449.00	
516.0500	Rubberized Membrane Waterproofing	20	SY	\$45.00	\$900.00	
550.2104	Piling CIP Concrete 10 3/4 X 0.25-Inch	5550	LF	\$35.00	\$194,250.00	
604.0600	Slope Paving Select Crushed Material	278	SY	\$36.00	\$10,008.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	240	LF	\$4.90	\$1,176.00	
614.0150	Anchor Assemblies for Steel Plate Beam Guard	4	EACH	\$150.00	\$600.00	

619.1000	Mobilization	0.11	EACH	\$270,000.00	=	\$30,503.58
Total Bridge Cost	Total Bridge Cost per SF	Br Manual Bridge Cost	Br Manual Bridge Cost per SF			
\$1,064,599.58	\$191.72	\$964,599.58	\$173.71			
FHWA Bridge Cost	FHWA Bridge Cost per SF	Super. Only Cost pSF	Substructure Only Cost pSF			
		\$70.97	\$102.74			
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF			
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF			
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm			

B360231		Superstructure Bid Items			
502.0100	Concrete Masonry Bridges	415	CY	\$750.00	\$311,250.00
502.3200	Protective Surface Treatment	590	SY	\$2.00	\$1,180.00
502.3210	Pigmented Surface Sealer	100	SY	\$2.50	\$250.00

505.0600	Bar Steel Reinforcement HS Coated Structures	89800 LB	\$0.90	\$80,820.00
614.0150	Anchor Assemblies for Steel Plate Beam Guard	4 EACH	\$150.00	\$600.00

Structure ID B530288	Project Contract ID 5989-01-78	Letting Date 12/13/2016	Proposal No. 20161213008	Plans Sign Date 10/3/2016	Crossing: Stream
Designer Jewell	Contractor KRAEMER NORTH AMERICA, LLC			No. of Spans 2	Span Lengths (ft) 34, 34
Abut Type A1	Pier Type	Width (ft) 66	Length (ft) 71.1	Area (SF) 4692.6	Wall Length (ft)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC: P530708
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)	\$824,872.40	

B530288		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0500.S	Removing Old Structure Over Waterway (station) 01. 11+42	1	LS	\$60,000.00	\$60,000.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-53-0288	1	LS	\$25,000.00	\$25,000.00	
210.1500	Backfill Structure Type A	520	TON	\$19.00	\$9,880.00	
305.0120	Base Aggregate Dense 1 1/4-Inch	230	TON	\$16.50	\$3,795.00	
502.0100	Concrete Masonry Bridges	554	CY	\$500.00	\$277,000.00	
502.3200	Protective Surface Treatment	680	SY	\$1.50	\$1,020.00	
502.3210	Pigmented Surface Sealer	65	SY	\$3.00	\$195.00	
505.0400	Bar Steel Reinforcement HS Structures	8530	LB	\$0.85	\$7,250.50	
505.0600	Bar Steel Reinforcement HS Coated Structures	77080	LB	\$0.95	\$73,226.00	
505.0800.S	Bar Steel Reinforcement HS Stainless Structures	340	LB	\$2.75	\$935.00	
513.7006	Railing Steel Type C1 (structure) 01. B-53-0288	132	LF	\$180.00	\$23,760.00	
516.0500	Rubberized Membrane Waterproofing	26	SY	\$10.00	\$260.00	
550.2106	Piling CIP Concrete 10 3/4 X 0.365-Inch	2390	LF	\$35.00	\$83,650.00	
606.0300	Riprap Heavy	100	CY	\$85.00	\$8,500.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	200	LF	\$8.00	\$1,600.00	
645.0120	Geotextile Type HR	280	SY	\$1.00	\$280.00	
652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	150	LF	\$8.00	\$1,200.00	

619.1000 Mobilization 0.77 EACH \$77,150.00 = \$59,591.77

Total Bridge Cost \$637,143.27	Total Bridge Cost per SF \$135.78	Br Manual Bridge Cost \$577,143.27	Br Manual Bridge Cost per SF \$122.99
FHWA Bridge Cost \$507,571.50	FWHA Bridge Cost per SF \$108.16	Super. Only Cost pSF \$51.39	Substructure Only Cost pSF \$71.60
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B530288		Superstructure Bid Items			
502.0100	Concrete Masonry Bridges	316	CY	\$500.00	\$158,000.00

BRIDGE

Concrete Flat Slab

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502.3200	Protective Surface Treatment	510 SY	\$1.50	\$765.00
502.3210	Pigmented Surface Sealer	65 SY	\$3.00	\$195.00
505.0600	Bar Steel Reinforcement HS Coated Structures	60250 LB	\$0.95	\$57,237.50
513.7006	Railing Steel Type C1 (structure) 01. B-53-0288	132 LF	\$180.00	\$23,760.00
652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	150 LF	\$8.00	\$1,200.00

BRIDGE

Prestressed I-Girder

State of Wisconsin
Department of Transportation

Structure ID B550258	Project Contract ID 1021-01-71	Letting Date 12/13/2016	Proposal No. 20161213035	Plans Sign Date 8/5/2016	Crossing: Grade
Designer WisDOT BOS	Contractor LUNDA CONSTRUCTION COMPANY		No. of Spans 2	Span Lengths (ft) 120, 120	
Abut Type A1	Pier Type Multi-Column	Width (ft) 30.89	Length (ft) 243.83	Area (SF) 7531.9	Wall Length (ft) Retaining Wall Area (SF)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC: B550040
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)	\$1,526,579.29	

B550258		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0200	Removing Old Structure (station) 01. Sta. 49+64	1	LS	\$227,000.00	\$227,000.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-55-0258	1	LS	\$8,000.00	\$8,000.00	
210.1500	Backfill Structure Type A	828	TON	\$10.70	\$8,859.60	
502.0100	Concrete Masonry Bridges	474	CY	\$448.00	\$212,352.00	
502.3200	Protective Surface Treatment	755	SY	\$2.50	\$1,887.50	
502.3210	Pigmented Surface Sealer	208	SY	\$3.50	\$728.00	
503.0155	Prestressed Girder Type I 54W-Inch	963	LF	\$195.00	\$187,785.00	
505.0400	Bar Steel Reinforcement HS Structures	7360	LB	\$0.87	\$6,403.20	
505.0600	Bar Steel Reinforcement HS Coated Structures	86460	LB	\$0.89	\$76,949.40	
506.2605	Bearing Pads Elastomeric Non-Laminated	16	EACH	\$85.00	\$1,360.00	
506.4000	Steel Diaphragms (structure) 01. B-55-0258	12	EACH	\$625.00	\$7,500.00	
516.0500	Rubberized Membrane Waterproofing	14	SY	\$20.00	\$280.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb	400	LF	\$28.00	\$11,200.00	
604.0600	Slope Paving Select Crushed Material	330	SY	\$1.00	\$330.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	150	LF	\$6.50	\$975.00	
614.0150	Anchor Assemblies for Steel Plate Beam Guard	4	EACH	\$100.00	\$400.00	
SPV.0090	01. Fence Chain Link Polymer-Coated 6-Ft	488	LF	\$55.00	\$26,840.00	

619.1000 Mobilization 0.55 EACH \$118,444.00 = \$65,512.22

Total Bridge Cost \$844,361.92	Total Bridge Cost per SF \$112.10	Br Manual Bridge Cost \$617,361.92	Br Manual Bridge Cost per SF \$81.97
FHWA Bridge Cost \$551,519.70	FWHA Bridge Cost per SF \$73.22	Super. Only Cost pSF \$57.79	Substructure Only Cost pSF \$24.17
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B550258		Superstructure Bid Items			
502.0100	Concrete Masonry Bridges	325	CY	\$448.00	\$145,600.00

BRIDGE

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502.3200	Protective Surface Treatment	755 SY	\$2.50	\$1,887.50
502.3210	Pigmented Surface Sealer	208 SY	\$3.50	\$728.00
503.0155	Prestressed Girder Type I 54W-Inch	963 LF	\$195.00	\$187,785.00
505.0600	Bar Steel Reinforcement HS Coated Structures	72530 LB	\$0.89	\$64,551.70
506.4000	Steel Diaphragms (structure) 01. B-55-0258	12 EACH	\$625.00	\$7,500.00
614.0150	Anchor Assemblies for Steel Plate Beam Guard	4 EACH	\$100.00	\$400.00
SPV.0090	01. Fence Chain Link Polymer-Coated 6-Ft	488 LF	\$55.00	\$26,840.00

Structure ID	Project Contract ID	Letting Date	Proposal No.	Plans Sign Date	Crossing:
B160138	8390-00-70	1/10/2017	20170110016	8/29/2016	Stream
Designer	Contractor		No. of Spans	Span Lengths (ft)	
Ayres Associates	LARSON CONSTRUCTION CO., INC.		1	48	
Abut Type	Pier Type	Width (ft)	Length (ft)	Area (SF)	Wall Length (ft)
A5		26.5	50.5	1338	
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC:
					P160089
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert.Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$374,199.65

B160138		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 01	1	LS	\$14,000.00	\$14,000.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-16-138	1	LS	\$7,500.00	\$7,500.00	
210.1100	Backfill Structure Type A	520	CY	\$14.00	\$7,280.00	
502.0100	Concrete Masonry Bridges	216	CY	\$447.00	\$96,552.00	
502.3200	Protective Surface Treatment	180	SY	\$3.50	\$630.00	
505.0400	Bar Steel Reinforcement HS Structures	4960	LB	\$1.30	\$6,448.00	
505.0600	Bar Steel Reinforcement HS Coated Structures	23860	LB	\$1.30	\$31,018.00	
506.0105	Structural Steel Carbon	530	LB	\$4.00	\$2,120.00	
513.4061	Railing Tubular Type M (structure) 01. B-16-138	105	LF	\$225.00	\$23,625.00	
516.0500	Rubberized Membrane Waterproofing	24	SY	\$42.00	\$1,008.00	
550.0500	Pile Points	14	EACH	\$100.00	\$1,400.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb	490	LF	\$38.00	\$18,620.00	
606.0300	Riprap Heavy	320	CY	\$55.00	\$17,600.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	174	LF	\$6.50	\$1,131.00	
645.0120	Geotextile Type HR	710	SY	\$2.90	\$2,059.00	

619.1000	Mobilization	0.69	EACH	\$39,950.00	=	\$27,608.38
Total Bridge Cost	Total Bridge Cost per SF	Br Manual Bridge Cost	Br Manual Bridge Cost per SF			
\$258,599.38	\$193.27	\$244,599.38	\$182.81			
FHWA Bridge Cost	FHWA Bridge Cost per SF	Super. Only Cost pSF	Substructure Only Cost pSF			
\$197,332.00	\$147.48	\$76.17	\$106.64			
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF			
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF			
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm			

B160138		Superstructure Bid Items			
502.0100	Concrete Masonry Bridges	112	CY	\$447.00	\$50,064.00
502.3200	Protective Surface Treatment	180	SY	\$3.50	\$630.00
505.0600	Bar Steel Reinforcement HS Coated Structures	19600	LB	\$1.30	\$25,480.00

506.0105	Structural Steel Carbon	530 LB	\$4.00	\$2,120.00
513.4061	Railing Tubular Type M (structure) 01. B-16-138	105 LF	\$225.00	\$23,625.00

Structure ID	Project Contract ID	Letting Date	Proposal No.	Plans Sign Date	Crossing:
B300137	3766-00-70	1/10/2017	20170110007	8/5/2016	Stream
Designer	Contractor		No. of Spans	Span Lengths (ft)	
Cedar Corp	CONCRETE STRUCTURES, INC.		1	40	
Abut Type	Pier Type	Width (ft)	Length (ft)	Area (SF)	Wall Length (ft)
A1		58	43.17	2503.86	
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC:
					B300670
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert.Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$806,045.76

B300137		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0200	Removing Old Structure Over Waterway With Minimal Debris (st 01	1	LS	\$30,000.00	\$30,000.00	
203.0210.S	Abatement of Asbestos Containing Material (structure) 01. B-30-06	1	LS	\$1,955.00	\$1,955.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-30-0137	1	LS	\$10,000.00	\$10,000.00	
210.2500	Backfill Structure Type B	960	TON	\$15.00	\$14,400.00	
502.0100	Concrete Masonry Bridges	481	CY	\$500.00	\$240,500.00	
502.3200	Protective Surface Treatment	452	SY	\$3.00	\$1,356.00	
502.3210	Pigmented Surface Sealer	65	SY	\$5.00	\$325.00	
505.0400	Bar Steel Reinforcement HS Structures	7820	LB	\$0.90	\$7,038.00	
505.0600	Bar Steel Reinforcement HS Coated Structures	60470	LB	\$1.00	\$60,470.00	
505.0800.S	Bar Steel Reinforcement HS Stainless Structures	490	LB	\$5.00	\$2,450.00	
513.7016	Railing Steel Type C3 (structure) 01. B-30-0137	160	LF	\$126.00	\$20,160.00	
516.0500	Rubberized Membrane Waterproofing	30	SY	\$30.00	\$900.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb	1040	LF	\$40.00	\$41,600.00	
606.0300	Riprap Heavy	195	CY	\$65.00	\$12,675.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	220	LF	\$7.00	\$1,540.00	
614.0150	Anchor Assemblies for Steel Plate Beam Guard	4	EACH	\$300.00	\$1,200.00	
645.0120	Geotextile Type HR	360	SY	\$3.00	\$1,080.00	

619.1000	Mobilization	0.61	EACH	\$66,350.00	=	\$40,153.69
Total Bridge Cost	Total Bridge Cost per SF	Br Manual Bridge Cost	Br Manual Bridge Cost per SF			
\$487,802.69	\$194.82	\$457,802.69	\$182.84			
FHWA Bridge Cost	FHWA Bridge Cost per SF	Super. Only Cost pSF	Substructure Only Cost pSF			
\$401,939.00	\$160.53	\$57.68	\$125.16			
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF			
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF			
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm			

B300137		Superstructure Bid Items			
502.0100	Concrete Masonry Bridges	185.6	CY	\$500.00	\$92,800.00

BRIDGE

Concrete Flat Slab

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502.3200	Protective Surface Treatment	192 SY	\$3.00	\$576.00
502.3210	Pigmented Surface Sealer	33 SY	\$5.00	\$165.00
505.0600	Bar Steel Reinforcement HS Coated Structures	30720 LB	\$1.00	\$30,720.00
513.7016	Railing Steel Type C3 (structure) 01. B-30-0137	160 LF	\$126.00	\$20,160.00

BRIDGE

Concrete Flat Slab

State of Wisconsin
Department of Transportation

Structure ID B520273	Project Contract ID 5367-00-70	Letting Date 1/10/2017	Proposal No. 20170110003	Plans Sign Date 8/9/2016	Crossing: Stream
Designer MSA	Contractor LARSON CONSTRUCTION CO., INC		No. of Spans 1	Span Lengths (ft) 34	
Abut Type A5	Pier Type N/A	Width (ft) 26.5	Length (ft) 36.75	Area (SF) 973.875	Wall Length (ft) Retaining Wall Area (SF)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC: P520933
Sign Type	Arm Type	Upright Type		Foundation Type	Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)		Max. Sign Depth (ft)	\$229,788.46

B520273		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 01	1	LS	\$14,000.00	\$14,000.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-52-273	1	LS	\$8,500.00	\$8,500.00	
210.1500	Backfill Structure Type A	480	TON	\$21.00	\$10,080.00	
502.0100	Concrete Masonry Bridges	132	CY	\$531.00	\$70,092.00	
502.3200	Protective Surface Treatment	170	SY	\$3.60	\$612.00	
505.0400	Bar Steel Reinforcement HS Structures	4330	LB	\$1.10	\$4,763.00	
505.0600	Bar Steel Reinforcement HS Coated Structures	14610	LB	\$1.10	\$16,071.00	
513.4061	Railing Tubular Type M (structure) 01. B-52-273	77	LF	\$175.00	\$13,475.00	
516.0500	Rubberized Membrane Waterproofing	13	SY	\$40.00	\$520.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb	260	LF	\$41.60	\$10,816.00	
606.0300	Riprap Heavy	155	CY	\$50.00	\$7,750.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	180	LF	\$9.00	\$1,620.00	
645.0120	Geotextile Type HR	285	SY	\$3.00	\$855.00	

619.1000 Mobilization 0.79 EACH \$28,150.00 = \$22,218.90

Total Bridge Cost \$181,372.90	Total Bridge Cost per SF \$186.24	Br Manual Bridge Cost \$167,372.90	Br Manual Bridge Cost per SF \$171.86
FHWA Bridge Cost \$136,549.00	FHWA Bridge Cost per SF \$140.21	Super. Only Cost pSF \$62.49	Substructure Only Cost pSF \$109.38
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B520273		Superstructure Bid Items		
502.0100	Concrete Masonry Bridges	65	CY	\$531.00
502.3200	Protective Surface Treatment	130	SY	\$3.60
505.0600	Bar Steel Reinforcement HS Coated Structures	11270	LB	\$1.10
513.4061	Railing Tubular Type M (structure) 01. B-52-273	77	LF	\$175.00

BRIDGE

Concrete Flat Slab

State of Wisconsin
Department of Transportation

Structure ID B520273	Project Contract ID 5367-00-70	Letting Date 1/10/2017	Proposal No. 20170110003	Plans Sign Date 8/9/2016	Crossing: Stream
Designer MSA	Contractor LARSON CONSTRUCTION CO., INC			No. of Spans 1	Span Lengths (ft) 34
Abut Type A5	Pier Type N/A	Width (ft) 26.5	Length (ft) 36.75	Area (SF) 973.875	Wall Length (ft) Retaining Wall Area (SF)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)	Overall Culvert Length (ft)	EXTG_STRC: P520184	
Sign Type	Arm Type	Upright Type	Foundation Type	Total Project Cost	
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)	\$229,788.46	

B520273		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 01	1	LS	\$14,000.00	\$14,000.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-52-273	1	LS	\$8,500.00	\$8,500.00	
210.1500	Backfill Structure Type A	480	TON	\$21.00	\$10,080.00	
502.0100	Concrete Masonry Bridges	132	CY	\$531.00	\$70,092.00	
502.3200	Protective Surface Treatment	170	SY	\$3.60	\$612.00	
505.0400	Bar Steel Reinforcement HS Structures	4330	LB	\$1.10	\$4,763.00	
505.0600	Bar Steel Reinforcement HS Coated Structures	14610	LB	\$1.10	\$16,071.00	
513.4061	Railing Tubular Type M (structure) 01. B-52-273	77	LF	\$175.00	\$13,475.00	
516.0500	Rubberized Membrane Waterproofing	13	SY	\$40.00	\$520.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb	260	LF	\$41.60	\$10,816.00	
606.0300	Riprap Heavy	155	CY	\$50.00	\$7,750.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	180	LF	\$9.00	\$1,620.00	
645.0120	Geotextile Type HR	285	SY	\$3.00	\$855.00	

619.1000 Mobilization 0.79 EACH \$28,150.00 = \$22,218.90

Total Bridge Cost \$181,372.90	Total Bridge Cost per SF \$186.24	Br Manual Bridge Cost \$167,372.90	Br Manual Bridge Cost per SF \$171.86
FHWA Bridge Cost \$136,549.00	FHWA Bridge Cost per SF \$140.21	Super. Only Cost pSF \$62.49	Substructure Only Cost pSF \$109.38
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B520273		Superstructure Bid Items		
502.0100	Concrete Masonry Bridges	65	CY	\$531.00
502.3200	Protective Surface Treatment	130	SY	\$3.60
505.0600	Bar Steel Reinforcement HS Coated Structures	11270	LB	\$1.10
513.4061	Railing Tubular Type M (structure) 01. B-52-273	77	LF	\$175.00

BRIDGE

Concrete Haunched Slab

State of Wisconsin
Department of Transportation

Structure ID B530374	Project Contract ID 5990-00-32	Letting Date 1/10/2017	Proposal No. 20170110004	Plans Sign Date 8/5/2016	Crossing: Stream
Designer K. Singh	Contractor PHEIFER BROTHERS CONSTRUCTION CO., I			No. of Spans 2	Span Lengths (ft) 48,48
Abut Type A1	Pier Type	Width (ft) 46	Length (ft) 98.5	Area (SF) 4531	Wall Length (ft) Retaining Wall Area (SF)
No. of Cells	Culvert Size	Barrel/Extension Length (ft) Overall Culvert Length (ft)			EXTG_STRC: P530717
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)	\$657,103.29	

B530374		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0500.S	Removing Old Structure Over Waterway (station) 01. 101+37.80	1 LS		\$52,900.00	\$52,900.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-53-0374	1 LS		\$17,200.00	\$17,200.00	
210.1500	Backfill Structure Type A	628 TON		\$13.50	\$8,478.00	
502.0100	Concrete Masonry Bridges	492 CY		\$420.00	\$206,640.00	
502.3200	Protective Surface Treatment	515 SY		\$3.80	\$1,957.00	
505.0400	Bar Steel Reinforcement HS Structures	5100 LB		\$0.90	\$4,590.00	
505.0600	Bar Steel Reinforcement HS Coated Structures	69180 LB		\$0.92	\$63,645.60	
513.7011	Railing Steel Type C2 (structure) 01. B-53-0374	241 LF		\$134.00	\$32,294.00	
516.0500	Rubberized Membrane Waterproofing	26 SY		\$42.00	\$1,092.00	
517.1010.S	Concrete Staining (structure) 01. B-53-0374	2640 SF		\$1.25	\$3,300.00	
517.1015.S	Concrete Staining Multi-Color (structure) 01. B-53-0374	893 SF		\$3.50	\$3,125.50	
517.1050.S	Architectural Surface Treatment (structure) 01. B-53-0374	893 SF		\$23.00	\$20,539.00	
550.1120	Piling Steel HP 12-Inch X 53 Lb	1830 LF		\$41.00	\$75,030.00	
606.0300	Riprap Heavy	170 CY		\$60.00	\$10,200.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	200 LF		\$8.00	\$1,600.00	
614.0150	Anchor Assemblies for Steel Plate Beam Guard	4 EACH		\$220.00	\$880.00	
645.0120	Geotextile Type HR	210 SY		\$3.80	\$798.00	

619.1000 Mobilization 0.81 EACH \$37,795.34 = \$30,774.71

Total Bridge Cost \$535,043.81	Total Bridge Cost per SF \$118.09	Br Manual Bridge Cost \$482,143.81	Br Manual Bridge Cost per SF \$106.41
FHWA Bridge Cost \$440,371.10	FWHA Bridge Cost per SF \$97.19	Super. Only Cost pSF \$56.67	Substructure Only Cost pSF \$49.74
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B530374		Superstructure Bid Items			
502.0100	Concrete Masonry Bridges	353	CY	\$420.00	\$148,260.00

502.3200	Protective Surface Treatment	481 SY	\$3.80	\$1,827.80
505.0600	Bar Steel Reinforcement HS Coated Structures	63520 LB	\$0.92	\$58,438.40
513.7011	Railing Steel Type C2 (structure) 01. B-53-0374	197 LF	\$134.00	\$26,398.00
517.1010.S	Concrete Staining (structure) 01. B-53-0374	1453 SF	\$1.25	\$1,816.25
517.1015.S	Concrete Staining Multi-Color (structure) 01. B-53-	723 SF	\$3.50	\$2,530.50
517.1050.S	Architectural Surface Treatment (structure) 01. B-	723 SF	\$23.00	\$16,629.00
614.0150	Anchor Assemblies for Steel Plate Beam Guard	4 EACH	\$220.00	\$880.00

BRIDGE

Concrete Flat Slab

State of Wisconsin
Department of Transportation

Structure ID B030200	Project Contract ID 8817-00-70	Letting Date 2/14/2017	Proposal No. 20170214021	Plans Sign Date 8/9/2016	Crossing: Stream
Designer CORRE	Contractor LARSON CONSTRUCTION CO., INC			No. of Spans 1	Span Lengths (ft) 38
Abut Type A1	Pier Type	Width (ft) 32.5	Length (ft) 40.5	Area (SF) 1316.25	Wall Length (ft)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC:
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)	\$624,950.80	

B030200		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 01	1	LS	\$16,000.00	\$16,000.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-03-0200	1	LS	\$10,000.00	\$10,000.00	
210.1500	Backfill Structure Type A	320	TON	\$9.35	\$2,992.00	
502.0100	Concrete Masonry Bridges	161	CY	\$422.00	\$67,942.00	
502.3200	Protective Surface Treatment	140	SY	\$3.25	\$455.00	
502.3210	Pigmented Surface Sealer	52	SY	\$3.50	\$182.00	
505.0400	Bar Steel Reinforcement HS Structures	4010	LB	\$1.00	\$4,010.00	
505.0600	Bar Steel Reinforcement HS Coated Structures	22410	LB	\$1.00	\$22,410.00	
516.0500	Rubberized Membrane Waterproofing	20	SY	\$45.00	\$900.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb	250	LF	\$43.00	\$10,750.00	
606.0300	Riprap Heavy	175	CY	\$55.00	\$9,625.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	140	LF	\$6.50	\$910.00	
614.0150	Anchor Assemblies for Steel Plate Beam Guard	4	EACH	\$100.00	\$400.00	
645.0120	Geotextile Type HR	260	SY	\$3.00	\$780.00	
619.1000	Mobilization	0.26	EACH	\$53,175.00	=	\$13,704.07

Total Bridge Cost \$161,060.07	Total Bridge Cost per SF \$122.36	Br Manual Bridge Cost \$145,060.07	Br Manual Bridge Cost per SF \$110.21
FHWA Bridge Cost	FWHA Bridge Cost per SF	Super. Only Cost pSF \$45.04	Substructure Only Cost pSF \$65.17
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B030200		Superstructure Bid Items			
502.0100	Concrete Masonry Bridges	95	CY	\$422.00	\$40,090.00
502.3200	Protective Surface Treatment	140	SY	\$3.25	\$455.00
502.3210	Pigmented Surface Sealer	34	SY	\$3.50	\$119.00
505.0600	Bar Steel Reinforcement HS Coated Structures	18620	LB	\$1.00	\$18,620.00

Structure ID	Project Contract ID	Letting Date	Proposal No.	Plans Sign Date	Crossing:
B030201	8833-00-70	2/14/2017	20170214021	8/9/2016	Stream
Designer	Contractor		No. of Spans	Span Lengths (ft)	
CORRE	LARSON CONSTRUCTION CO., INC		1	50	
Abut Type	Pier Type	Width (ft)	Length (ft)	Area (SF)	Wall Length (ft)
A1		30	52.58	1577.4	
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC:
					P030025
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert.Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$624,950.80

B030201		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 02.	1	LS	\$16,000.00	\$16,000.00	
206.1000	Excavation for Structures Bridges (structure) 02. B-03-0201	1	LS	\$12,000.00	\$12,000.00	
210.1500	Backfill Structure Type A	340	TON	\$9.35	\$3,179.00	
502.0100	Concrete Masonry Bridges	235	CY	\$422.00	\$99,170.00	
502.3200	Protective Surface Treatment	175	SY	\$3.25	\$568.75	
502.3210	Pigmented Surface Sealer	64	SY	\$3.50	\$224.00	
505.0400	Bar Steel Reinforcement HS Structures	4040	LB	\$1.00	\$4,040.00	
505.0600	Bar Steel Reinforcement HS Coated Structures	35530	LB	\$1.00	\$35,530.00	
516.0500	Rubberized Membrane Waterproofing	22	SY	\$45.00	\$990.00	
550.0020	Pre-Boring Rock or Consolidated Materials	140	LF	\$190.00	\$26,600.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb	120	LF	\$43.00	\$5,160.00	
606.0300	Riprap Heavy	345	CY	\$55.00	\$18,975.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	160	LF	\$6.50	\$1,040.00	
614.0150	Anchor Assemblies for Steel Plate Beam Guard	4	EACH	\$100.00	\$400.00	
645.0120	Geotextile Type HR	425	SY	\$3.00	\$1,275.00	
SPV.0035	01. SELECT CRUSHED MATERIAL FOR TRAVEL C ORRIDOR INTERSTITI	8	CY	\$65.00	\$520.00	

619.1000	Mobilization		0.39 EACH	\$53,175.00	=	\$20,987.41
Total Bridge Cost	Total Bridge Cost per SF	Br Manual Bridge Cost	Br Manual Bridge Cost per SF			
\$246,659.16	\$156.37	\$230,659.16	\$146.23			
FHWA Bridge Cost	FWHA Bridge Cost per SF	Super. Only Cost pSF	Substructure Only Cost pSF			
\$188,901.75	\$119.76	\$43.00	\$103.23			
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF			
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF			
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm			

B030201		Superstructure Bid Items			
502.0100	Concrete Masonry Bridges	159	CY	\$422.00	\$67,098.00
502.3200	Protective Surface Treatment	175	SY	\$3.25	\$568.75

502.3210	Pigmented Surface Sealer	44 SY	\$3.50	\$154.00
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BRIDGE

Concrete Flat Slab

State of Wisconsin
Department of Transportation

Structure ID B120155	Project Contract ID 5426-00-71	Letting Date 2/14/2017	Proposal No. 20170214005	Plans Sign Date 11/22/2016	Crossing: Stream
Designer Jewell	Contractor BRENNAN CONSTRUCTION COMPANY			No. of Spans 1	Span Lengths (ft) 38
Abut Type A5	Pier Type	Width (ft) 32.6	Length (ft) 40.52	Area (SF) 1320.952	Wall Length (ft)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC: P120925
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)	\$306,051.70	

B120155		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 02	1	LS	\$7,500.00	\$7,500.00	
206.1000	Excavation for Structures Bridges (structure) 02. B-12-0155	1	LS	\$5,000.00	\$5,000.00	
210.1500	Backfill Structure Type A	400	TON	\$18.00	\$7,200.00	
502.0100	Concrete Masonry Bridges	185	CY	\$535.00	\$98,975.00	
502.3200	Protective Surface Treatment	170	SY	\$3.50	\$595.00	
505.0400	Bar Steel Reinforcement HS Structures	5290	LB	\$0.95	\$5,025.50	
505.0600	Bar Steel Reinforcement HS Coated Structures	18640	LB	\$1.00	\$18,640.00	
513.4061	Railing Tubular Type M (structure) 02. B-12-0155	85	LF	\$225.00	\$19,125.00	
516.0500	Rubberized Membrane Waterproofing	14	SY	\$30.00	\$420.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb	350	LF	\$35.00	\$12,250.00	
606.0300	Riprap Heavy	120	CY	\$50.00	\$6,000.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	160	LF	\$8.00	\$1,280.00	
645.0120	Geotextile Type HR	200	SY	\$3.00	\$600.00	

619.1000 Mobilization 0.64 EACH \$21,750.00 = \$13,970.29

Total Bridge Cost \$196,580.79	Total Bridge Cost per SF \$148.82	Br Manual Bridge Cost \$189,080.79	Br Manual Bridge Cost per SF \$143.14
FHWA Bridge Cost \$168,510.50	FHWA Bridge Cost per SF \$127.57	Super. Only Cost pSF \$54.35	Substructure Only Cost pSF \$88.79
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B120155		Superstructure Bid Items			
502.0100	Concrete Masonry Bridges	94.3	CY	\$535.00	\$50,450.50
502.3200	Protective Surface Treatment	170	SY	\$3.50	\$595.00
505.0600	Bar Steel Reinforcement HS Coated Structures	1620	LB	\$1.00	\$1,620.00
513.4061	Railing Tubular Type M (structure) 02. B-12-0155	85	LF	\$225.00	\$19,125.00

Structure ID	Project Contract ID	Letting Date	Proposal No.	Plans Sign Date	Crossing:
B140213	3909-00-70	2/14/2017	20170214004	10/3/2016	Stream
Designer	Contractor		No. of Spans	Span Lengths (ft)	
Ayres Associates	LARSON CONSTRUCTION		1	40	
Abut Type	Pier Type	Width (ft)	Length (ft)	Area (SF)	Wall Length (ft)
A1		36.9	42.52	1568.25	
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC:
					B140471
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert.Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)	\$292,763.09	

B140213		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0200	Removing Old Structure Over Waterway With Minimal Debris (st 01	1	LS	\$12,500.00	\$12,500.00	
203.0210.S	Abatement of Asbestos Containing Material (structure) 01. B-14-04	1	LS	\$1,015.00	\$1,015.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-14-0213	1	LS	\$8,500.00	\$8,500.00	
210.1100	Backfill Structure Type A	230	CY	\$21.00	\$4,830.00	
502.0100	Concrete Masonry Bridges	181	CY	\$480.00	\$86,880.00	
502.3200	Protective Surface Treatment	322	SY	\$3.00	\$966.00	
502.3210	Pigmented Surface Sealer	72	SY	\$3.60	\$259.20	
505.0400	Bar Steel Reinforcement HS Structures	5400	LB	\$1.00	\$5,400.00	
505.0600	Bar Steel Reinforcement HS Coated Structures	22130	LB	\$1.00	\$22,130.00	
516.0500	Rubberized Membrane Waterproofing	22	SY	\$50.00	\$1,100.00	
550.0500	Pile Points	12	EACH	\$100.00	\$1,200.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb	390	LF	\$36.00	\$14,040.00	
606.0300	Riprap Heavy	150	CY	\$45.00	\$6,750.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	170	LF	\$8.00	\$1,360.00	
614.0150	Anchor Assemblies for Steel Plate Beam Guard	8	EACH	\$100.00	\$800.00	
645.0120	Geotextile Type HR	295	SY	\$4.00	\$1,180.00	

619.1000	Mobilization	0.63	EACH	\$25,950.00	=	\$16,428.05
Total Bridge Cost	Total Bridge Cost per SF	Br Manual Bridge Cost	Br Manual Bridge Cost per SF			
\$185,338.25	\$118.18	\$172,838.25	\$110.21			
FHWA Bridge Cost	FWHA Bridge Cost per SF	Super. Only Cost pSF	Substructure Only Cost pSF			
\$147,465.20	\$94.03	\$50.66	\$59.55			
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF			
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF			
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm			

B140213		Superstructure Bid Items			
502.0100	Concrete Masonry Bridges	121	CY	\$480.00	\$58,080.00
502.3200	Protective Surface Treatment	161	SY	\$3.00	\$483.00

502.3210	Pigmented Surface Sealer	36 SY	\$3.60	\$129.60
505.0600	Bar Steel Reinforcement HS Coated Structures	20350 LB	\$1.00	\$20,350.00
614.0150	Anchor Assemblies for Steel Plate Beam Guard	4 EACH	\$100.00	\$400.00

BRIDGE

Prestressed I-Girder

State of Wisconsin
Department of Transportation

Structure ID B160141	Project Contract ID 8747-00-70	Letting Date 2/14/2017	Proposal No. 20170214020	Plans Sign Date 8/9/2016	Crossing: Stream
Designer Ayres Associates	Contractor PHEIFER BROTHERS CONSTRUCTION CO., I			No. of Spans 1	Span Lengths (ft) 92
Abut Type A5	Pier Type	Width (ft) 32.9	Length (ft) 94.54	Area (SF) 3110.37	Wall Length (ft)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC: P160047
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$673,925.42

B160141		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 01	1	LS	\$73,200.00	\$73,200.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-16-141	1	LS	\$5,500.00	\$5,500.00	
210.1100	Backfill Structure Type A	950	CY	\$13.03	\$12,378.50	
502.0100	Concrete Masonry Bridges	285	CY	\$490.00	\$139,650.00	
502.3200	Protective Surface Treatment	315	SY	\$4.50	\$1,417.50	
502.3210	Pigmented Surface Sealer	80	SY	\$12.00	\$960.00	
503.0146	Prestressed Girder Type I 45W-Inch	372	LF	\$230.00	\$85,560.00	
505.0400	Bar Steel Reinforcement HS Structures	5590	LB	\$1.00	\$5,590.00	
505.0600	Bar Steel Reinforcement HS Coated Structures	30530	LB	\$0.98	\$29,919.40	
506.2605	Bearing Pads Elastomeric Non-Laminated	8	EACH	\$120.00	\$960.00	
506.4000	Steel Diaphragms (structure) 01. B-16-141	6	EACH	\$610.00	\$3,660.00	
514.0450	Floor Drains Type WF	2	EACH	\$2,600.00	\$5,200.00	
514.2608	Downspout 8-Inch	8	LF	\$200.00	\$1,600.00	
516.0500	Rubberized Membrane Waterproofing	28	SY	\$49.00	\$1,372.00	
550.0500	Pile Points	18	EACH	\$120.00	\$2,160.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb	990	LF	\$32.00	\$31,680.00	
606.0300	Riprap Heavy	830	CY	\$48.50	\$40,255.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	210	LF	\$6.50	\$1,365.00	
614.0150	Anchor Assemblies for Steel Plate Beam Guard	4	EACH	\$230.00	\$920.00	
645.0120	Geotextile Type HR	1430	SY	\$3.00	\$4,290.00	

619.1000 Mobilization 0.70 EACH \$38,623.61 = \$27,214.42

Total Bridge Cost \$474,851.82	Total Bridge Cost per SF \$152.67	Br Manual Bridge Cost \$401,651.82	Br Manual Bridge Cost per SF \$129.13
FHWA Bridge Cost \$329,892.40	FHWA Bridge Cost per SF \$106.06	Super. Only Cost pSF \$61.87	Substructure Only Cost pSF \$67.26
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF

Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm
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B160141**Superstructure Bid Items**

502.0100	Concrete Masonry Bridges	145 CY	\$490.00	\$71,050.00
502.3200	Protective Surface Treatment	315 SY	\$4.50	\$1,417.50
502.3210	Pigmented Surface Sealer	80 SY	\$12.00	\$960.00
503.0146	Prestressed Girder Type I 45W-Inch	372 LF	\$230.00	\$85,560.00
505.0600	Bar Steel Reinforcement HS Coated Structures	23470 LB	\$0.98	\$23,000.60
506.4000	Steel Diaphragms (structure) 01. B-16-141	6 EACH	\$610.00	\$3,660.00
514.0450	Floor Drains Type WF	2 EACH	\$2,600.00	\$5,200.00
514.2608	Downspout 8-Inch	8 LF	\$200.00	\$1,600.00

BRIDGE

Concrete Flat Slab

State of Wisconsin
Department of Transportation

Structure ID B270163	Project Contract ID 7321-00-70	Letting Date 2/14/2017	Proposal No. 20170214019	Plans Sign Date 8/12/2016	Crossing: Stream
Designer CORRE	Contractor LARSON CONSTRUCTION CO., INC		No. of Spans 1	Span Lengths (ft) 50	
Abut Type A1	Pier Type	Width (ft) 32.5	Length (ft) 52.9	Area (SF) 1719.25	Wall Length (ft)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC: P270010
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$337,349.50

B270163		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 01	1	LS	\$14,000.00	\$14,000.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-27-163	1	LS	\$9,000.00	\$9,000.00	
210.1500	Backfill Structure Type A	440	TON	\$17.00	\$7,480.00	
502.0100	Concrete Masonry Bridges	240	CY	\$355.00	\$85,200.00	
502.3200	Protective Surface Treatment	256	SY	\$3.00	\$768.00	
505.0400	Bar Steel Reinforcement HS Structures	4720	LB	\$0.88	\$4,153.60	
505.0600	Bar Steel Reinforcement HS Coated Structures	32790	LB	\$0.88	\$28,855.20	
513.4061	Railing Tubular Type M (structure) 01. B-27-163	158	LF	\$175.00	\$27,650.00	
516.0500	Rubberized Membrane Waterproofing	24	SY	\$41.00	\$984.00	
550.0500	Pile Points	10	EACH	\$100.00	\$1,000.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb	500	LF	\$34.00	\$17,000.00	
606.0300	Riprap Heavy	175	CY	\$42.00	\$7,350.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	180	LF	\$8.00	\$1,440.00	
645.0120	Geotextile Type HR	225	SY	\$3.00	\$675.00	
619.1000	Mobilization	0.69	EACH	\$37,985.00	=	\$26,082.04

Total Bridge Cost \$231,637.84	Total Bridge Cost per SF \$134.73	Br Manual Bridge Cost \$217,637.84	Br Manual Bridge Cost per SF \$126.59
FHWA Bridge Cost \$183,530.80	FWHA Bridge Cost per SF \$106.75	Super. Only Cost pSF \$64.70	Substructure Only Cost pSF \$61.88
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B270163		Superstructure Bid Items			
502.0100	Concrete Masonry Bridges	161	CY	\$355.00	\$57,155.00
502.3200	Protective Surface Treatment	230	SY	\$3.00	\$690.00
505.0600	Bar Steel Reinforcement HS Coated Structures	29260	LB	\$0.88	\$25,748.80
513.4061	Railing Tubular Type M (structure) 01. B-27-163	158	LF	\$175.00	\$27,650.00

Structure ID	Project Contract ID	Letting Date	Proposal No.	Plans Sign Date	Crossing:
B410307	7016-00-73	2/14/2017	20170214008	10/24/2016	Stream
Designer	Contractor			No. of Spans	Span Lengths (ft)
MSA	PHEIFER BROTHERS CONSTRUCTION CO., I			2	34,34
Abut Type	Pier Type	Width (ft)	Length (ft)	Area (SF)	Wall Length (ft)
A1	Pile Encased	48.5	70.9	3438.7	
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC:
					P410716
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert.Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$604,912.37

B410307		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 01	1	LS	\$68,000.00	\$68,000.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-41-307	1	LS	\$40,400.00	\$40,400.00	
210.1500	Backfill Structure Type A	525	TON	\$17.31	\$9,087.75	
502.0100	Concrete Masonry Bridges	384	CY	\$420.00	\$161,280.00	
502.3200	Protective Surface Treatment	365	SY	\$4.50	\$1,642.50	
502.3210	Pigmented Surface Sealer	90	SY	\$12.00	\$1,080.00	
505.0400	Bar Steel Reinforcement HS Structures	9565	LB	\$0.92	\$8,799.80	
505.0600	Bar Steel Reinforcement HS Coated Structures	45685	LB	\$0.93	\$42,487.05	
511.1200	Temporary Shoring (structure) 01. B-41-307	300	SF	\$19.00	\$5,700.00	
513.7016	Railing Steel Type C3 (structure) 01. B-41-307	185	LF	\$137.00	\$25,345.00	
516.0500	Rubberized Membrane Waterproofing	32	SY	\$49.00	\$1,568.00	
517.1015.S	Concrete Staining Multi-Color (structure) 01. B-41-307	1575	SF	\$4.08	\$6,426.00	
517.1050.S	Architectural Surface Treatment (structure) 01. B-41-307	1575	SF	\$7.90	\$12,442.50	
550.1100	Piling Steel HP 10-Inch X 42 Lb	1455	LF	\$33.00	\$48,015.00	
606.0300	Riprap Heavy	160	CY	\$41.23	\$6,596.80	
612.0406	Pipe Underdrain Wrapped 6-Inch	230	LF	\$9.69	\$2,228.70	
645.0120	Geotextile Type HR	335	SY	\$2.93	\$981.55	

619.1000	Mobilization	0.76	EACH	\$23,298.25	=	\$17,708.83
Total Bridge Cost	Total Bridge Cost per SF	Br Manual Bridge Cost	Br Manual Bridge Cost per SF			
\$459,789.48	\$133.71	\$391,789.48	\$113.94			
FHWA Bridge Cost	FWHA Bridge Cost per SF	Super. Only Cost pSF	Substructure Only Cost pSF			
\$366,502.30	\$106.58	\$48.46	\$65.48			
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF			
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF			
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm			

B410307		Superstructure Bid Items			
502.0100	Concrete Masonry Bridges	228	CY	\$420.00	\$95,760.00

BRIDGE

Concrete Flat Slab

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502.3200	Protective Surface Treatment	365 SY	\$4.50	\$1,642.50
502.3210	Pigmented Surface Sealer	90 SY	\$12.00	\$1,080.00
505.0600	Bar Steel Reinforcement HS Coated Structures	41265 LB	\$0.93	\$38,376.45
513.7016	Railing Steel Type C3 (structure) 01. B-41-307	185 LF	\$137.00	\$25,345.00
517.1015.S	Concrete Staining Multi-Color (structure) 01. B-41-	370 SF	\$4.08	\$1,509.60
517.1050.S	Architectural Surface Treatment (structure) 01. B-	370 SF	\$7.90	\$2,923.00

Structure ID	Project Contract ID	Letting Date	Proposal No.	Plans Sign Date	Crossing:
B490183	6799-01-70	2/14/2017	20170214015	8/12/2016	Stream
Designer	Contractor			No. of Spans	Span Lengths (ft)
Omnni Assoc	PHEIFER BROTHERS CONSTRUCTION CO., I			3	38,51,38
Abut Type	Pier Type	Width (ft)	Length (ft)	Area (SF)	Wall Length (ft)
A1	Pile Encased	30.5	129.5	3949.75	
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC:
					B490005
Sign Type	Arm Type	Upright Type		Foundation Type	Total Project Cost
Arm Length	Min. Vert.Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$667,466.21

B490183		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 01	1	LS	\$97,800.00	\$97,800.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-49-183	1	LS	\$25,700.00	\$25,700.00	
206.5000	Cofferdams (structure) 01. B-49-183	1	LS	\$23,100.00	\$23,100.00	
210.1100	Backfill Structure Type A	140	CY	\$16.00	\$2,240.00	
502.0100	Concrete Masonry Bridges	385	CY	\$440.00	\$169,400.00	
502.3200	Protective Surface Treatment	535	SY	\$4.50	\$2,407.50	
505.0400	Bar Steel Reinforcement HS Structures	7150	LB	\$0.90	\$6,435.00	
505.0600	Bar Steel Reinforcement HS Coated Structures	64190	LB	\$0.92	\$59,054.80	
513.4061	Railing Tubular Type M (structure) 01. B-49-183	300	LF	\$210.00	\$63,000.00	
516.0500	Rubberized Membrane Waterproofing	16	SY	\$49.00	\$784.00	
550.0020	Pre-Boring Rock or Consolidated Materials	168	LF	\$150.00	\$25,200.00	
550.0500	Pile Points	10	EACH	\$120.00	\$1,200.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb	575	LF	\$38.00	\$21,850.00	
606.0300	Riprap Heavy	175	CY	\$54.00	\$9,450.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	130	LF	\$4.50	\$585.00	
645.0120	Geotextile Type HR	265	SY	\$2.00	\$530.00	

619.1000	Mobilization		0.81 EACH	\$37,397.56	=	\$30,195.91
Total Bridge Cost	Total Bridge Cost per SF	Br Manual Bridge Cost	Br Manual Bridge Cost per SF			
\$538,932.21	\$136.45	\$441,132.21	\$111.69			
FHWA Bridge Cost	FWHA Bridge Cost per SF	Super. Only Cost pSF	Substructure Only Cost pSF			
\$400,956.30	\$101.51	\$58.36	\$53.33			
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF			
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF			
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm			

B490183		Superstructure Bid Items			
502.0100	Concrete Masonry Bridges	247	CY	\$440.00	\$108,680.00
502.3200	Protective Surface Treatment	535	SY	\$4.50	\$2,407.50

505.0600	Bar Steel Reinforcement HS Coated Structures	61330 LB	\$0.92	\$56,423.60
513.4061	Railing Tubular Type M (structure) 01. B-49-183	300 LF	\$210.00	\$63,000.00

Structure ID	Project Contract ID	Letting Date	Proposal No.	Plans Sign Date	Crossing:
B530289	3614-00-76	2/14/2017	20170214003	11/22/2016	Stream
Designer	Contractor			No. of Spans	Span Lengths (ft)
Ayres Associates	PHEIFER BROTHERS CONSTRUCTION CO., I			3	45,60,45
Abut Type	Pier Type	Width (ft)	Length (ft)	Area (SF)	Wall Length (ft)
A1	Miscellaneous	28.5	152.54	4347.39	
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC:
					B530015
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert.Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$788,955.12

B530289		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 01	1	LS	\$142,100.00	\$142,100.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-53-0289	1	LS	\$34,000.00	\$34,000.00	
206.5000	Cofferdams (structure) 01. B-53-0289	1	LS	\$26,700.00	\$26,700.00	
210.1500	Backfill Structure Type A	190	TON	\$13.50	\$2,565.00	
502.0100	Concrete Masonry Bridges	347	CY	\$390.00	\$135,330.00	
502.3200	Protective Surface Treatment	580	SY	\$4.50	\$2,610.00	
505.0400	Bar Steel Reinforcement HS Structures	264	10LB	\$0.88	\$23,240.80	
505.0600	Bar Steel Reinforcement HS Coated Structures	667	40LB	\$0.91	\$60,733.40	
513.4061	Railing Tubular Type M (structure) 01. B-53-0289	350	LF	\$210.00	\$73,500.00	
516.0500	Rubberized Membrane Waterproofing	18	SY	\$49.00	\$882.00	
550.0020	Pre-Boring Rock or Consolidated Materials	40	LF	\$110.00	\$4,400.00	
550.0500	Pile Points	8	EACH	\$120.00	\$960.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb	160	LF	\$45.00	\$7,200.00	
606.0300	Riprap Heavy	215	CY	\$70.00	\$15,050.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	152	LF	\$8.00	\$1,216.00	
645.0120	Geotextile Type HR	325	SY	\$4.00	\$1,300.00	

619.1000	Mobilization		0.73 EACH	\$59,383.07	=	\$43,284.49
Total Bridge Cost	Total Bridge Cost per SF	Br Manual Bridge Cost	Br Manual Bridge Cost per SF			
\$575,071.69	\$132.28	\$432,971.69	\$99.59			
FHWA Bridge Cost	FWHA Bridge Cost per SF	Super. Only Cost pSF	Substructure Only Cost pSF			
\$373,337.20	\$85.88	\$56.76	\$42.83			
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF			
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF			
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm			

B530289		Superstructure Bid Items			
502.0100	Concrete Masonry Bridges	312	CY	\$390.00	\$121,680.00
502.3200	Protective Surface Treatment	580	SY	\$4.50	\$2,610.00

505.0600	Bar Steel Reinforcement HS Coated Structures	63980 LB	\$0.91	\$58,221.00
513.4061	Railing Tubular Type M (structure) 01. B-53-0289	306 LF	\$210.00	\$64,260.00

BRIDGE

Concrete Haunched Slab

State of Wisconsin
Department of Transportation

Structure ID B530290	Project Contract ID 5942-00-73	Letting Date 2/14/2017	Proposal No. 20170214006	Plans Sign Date 8/9/2016	Crossing: Stream
Designer Westbrook Assoc	Contractor RADTKE CONTRACTORS INC		No. of Spans 2	Span Lengths (ft) 42,42	
Abut Type A5	Pier Type Pile Bent	Width (ft) 36.5	Length (ft) 86.5	Area (SF) 3157.25	Retaining Wall Area (SF)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC: B530099
Sign Type	Arm Type	Upright Type		Foundation Type	Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)		Max. Sign Depth (ft)	\$517,212.00

B530290		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 01	1	LS	\$32,107.13	\$32,107.13	
206.1000	Excavation for Structures Bridges (structure) 01. B-53-0290	1	LS	\$6,883.72	\$6,883.72	
210.1500	Backfill Structure Type A	438	TON	\$12.00	\$5,256.00	
502.0100	Concrete Masonry Bridges	257	CY	\$503.65	\$129,437.84	
502.3200	Protective Surface Treatment	397	SY	\$2.97	\$1,179.73	
505.0400	Bar Steel Reinforcement HS Structures	8720	LB	\$1.03	\$8,950.21	
505.0600	Bar Steel Reinforcement HS Coated Structures	47630	LB	\$0.99	\$47,239.43	
513.4061	Railing Tubular Type M (structure) 01. B-53-0290	178	LF	\$175.53	\$31,244.71	
516.0500	Rubberized Membrane Waterproofing	16	SY	\$42.48	\$679.69	
550.0500	Pile Points	24	EACH	\$221.55	\$5,317.20	
550.2108	Piling CIP Concrete 10 3/4 X 0.50-Inch	760	LF	\$46.57	\$35,391.98	
550.2128	Piling CIP Concrete 12 3/4 X 0.50-Inch	400	LF	\$53.13	\$21,252.64	
606.0300	Riprap Heavy	251	CY	\$58.50	\$14,682.40	
612.0406	Pipe Underdrain Wrapped 6-Inch	150	LF	\$8.00	\$1,200.00	
645.0120	Geotextile Type HR	437	SY	\$4.11	\$1,795.85	
619.1000	Mobilization	0.77	EACH	\$72,902.76	=	\$56,217.23

Total Bridge Cost \$398,835.77	Total Bridge Cost per SF \$126.32	Br Manual Bridge Cost \$366,728.64	Br Manual Bridge Cost per SF \$116.15
FHWA Bridge Cost \$294,033.16	FHWA Bridge Cost per SF \$93.13	Super. Only Cost pSF \$43.95	Substructure Only Cost pSF \$72.21
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B530290		Superstructure Bid Items			
502.0100	Concrete Masonry Bridges	185	CY	\$503.65	\$93,175.10
502.3200	Protective Surface Treatment	397	SY	\$2.97	\$1,179.73
505.0600	Bar Steel Reinforcement HS Coated Structures	44760	LB	\$0.99	\$44,392.97

BRIDGE

Concrete Flat Slab

State of Wisconsin
Department of Transportation

Structure ID B590192	Project Contract ID 4198-04-71	Letting Date 2/14/2017	Proposal No. 20170214012	Plans Sign Date 8/12/2016	Crossing: Stream
Designer Ayres Associates	Contractor PHEIFER BROTHERS CONSTRUCTION CO., I			No. of Spans 1	Span Lengths (ft) 42
Abut Type	Pier Type	Width (ft) 32.5	Length (ft) 44.5	Area (SF) 1446.25	Wall Length (ft)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)			Overall Culvert Length (ft)
Sign Type	Arm Type	Upright Type	Foundation Type		EXTG_STRC: B590306
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)	Total Project Cost \$372,491.14	

B590192		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0500.S	Removing Old Structure Over Waterway (station) 01. 10+00	1	LS	\$30,400.00	\$30,400.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-59-192	1	LS	\$7,200.00	\$7,200.00	
210.1500	Backfill Structure Type A	460	TON	\$14.88	\$6,844.80	
502.0100	Concrete Masonry Bridges **P**	162	CY	\$430.00	\$69,660.00	
502.3200	Protective Surface Treatment	190	SY	\$4.50	\$855.00	
505.0400	Bar Steel Reinforcement HS Structures	4920	LB	\$0.92	\$4,526.40	
505.0600	Bar Steel Reinforcement HS Coated Structures	20180	LB	\$0.59	\$11,906.20	
513.4061	Railing Tubular Type M (structure) 01. B-59-192	89	LF	\$260.00	\$23,140.00	
516.0500	Rubberized Membrane Waterproofing	20	SY	\$49.00	\$980.00	
550.2104	Piling CIP Concrete 10 3/4 X 0.25-Inch	840	LF	\$35.00	\$29,400.00	
606.0300	Riprap Heavy	170	CY	\$54.00	\$9,180.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	160	LF	\$15.00	\$2,400.00	
645.0120	Geotextile Type HR	325	SY	\$3.00	\$975.00	

619.1000 Mobilization 0.56 EACH \$16,851.49 = \$9,356.72

Total Bridge Cost \$206,824.12	Total Bridge Cost per SF	Br Manual Bridge Cost \$176,424.12	Br Manual Bridge Cost per SF
FHWA Bridge Cost \$156,912.40	FWHA Bridge Cost per SF	Super. Only Cost pSF	Substructure Only Cost pSF
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B590192		Superstructure Bid Items			
502.0100	Concrete Masonry Bridges **P**	106	CY	\$430.00	\$45,580.00
502.3200	Protective Surface Treatment	190	SY	\$4.50	\$855.00
505.0600	Bar Steel Reinforcement HS Coated Structures	18420	LB	\$0.59	\$10,867.80
513.4061	Railing Tubular Type M (structure) 01. B-59-192	89	LF	\$260.00	\$23,140.00

BRIDGE

Concrete Flat Slab

State of Wisconsin
Department of Transportation

Structure ID B610221	Project Contract ID 7155-00-70	Letting Date 2/14/2017	Proposal No. 20170214017	Plans Sign Date 9/6/2016	Crossing: Stream
Designer Jewell	Contractor LARSON CONSTRUCTION CO., INC			No. of Spans 2	Span Lengths (ft) 32,32
Abut Type A5	Pier Type Pile Encased	Width (ft) 30.5	Length (ft) 66.54	Area (SF) 2029.47	Wall Length (ft) Retaining Wall Area (SF)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC: P610210
Sign Type	Arm Type	Upright Type		Foundation Type	Total Project Cost
Arm Length	Min. Vert.Clearance (ft)	Design Sign Area (SF)		Max. Sign Depth (ft)	\$350,021.84

B610221		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 01	1	LS	\$17,000.00	\$17,000.00	
206.1000	Excavation for Structures Bridges (structure) 01.B-61-0221	1	LS	\$12,500.00	\$12,500.00	
210.1500	Backfill Structure Type A	220	TON	\$12.00	\$2,640.00	
502.0100	Concrete Masonry Bridges	209	CY	\$441.00	\$92,169.00	
502.3200	Protective Surface Treatment	260	SY	\$3.00	\$780.00	
505.0400	Bar Steel Reinforcement HS Structures	6230	LB	\$0.90	\$5,607.00	
505.0600	Bar Steel Reinforcement HS Coated Structures	26810	LB	\$0.90	\$24,129.00	
513.4061	Railing Tubular Type M (structure) 01.B-61-0221	138	LF	\$175.00	\$24,150.00	
516.0500	Rubberized Membrane Waterproofing	13	SY	\$50.00	\$650.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb	1810	LF	\$33.50	\$60,635.00	
606.0300	Riprap Heavy	220	CY	\$42.00	\$9,240.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	150	LF	\$8.00	\$1,200.00	
645.0120	Geotextile Type HR	370	SY	\$3.00	\$1,110.00	

619.1000 Mobilization 0.80 EACH \$36,380.00 = \$29,207.99

Total Bridge Cost \$281,017.99	Total Bridge Cost per SF \$138.47	Br Manual Bridge Cost \$264,017.99	Br Manual Bridge Cost per SF \$130.09
FHWA Bridge Cost \$224,460.00	FHWA Bridge Cost per SF \$110.60	Super. Only Cost pSF \$48.48	Substructure Only Cost pSF \$81.61
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B610221		Superstructure Bid Items			
502.0100	Concrete Masonry Bridges	117.4	CY	\$441.00	\$51,773.40
502.3200	Protective Surface Treatment	260	SY	\$3.00	\$780.00
505.0600	Bar Steel Reinforcement HS Coated Structures	24090	LB	\$0.90	\$21,681.00
513.4061	Railing Tubular Type M (structure) 01.B-61-0221	138	LF	\$175.00	\$24,150.00

BRIDGE

Concrete Flat Slab

State of Wisconsin
Department of Transportation

Structure ID B610226	Project Contract ID 7281-00-70	Letting Date 2/14/2017	Proposal No. 20170214018	Plans Sign Date 8/18/2016	Crossing: Stream
Designer Mead & Hunt	Contractor LARSON CONSTRUCTION CO., INC			No. of Spans 2	Span Lengths (ft) 30,30
Abut Type A1	Pier Type Pile Encased	Width (ft) 26.5	Length (ft) 62.89	Area (SF) 1666.6	Retaining Wall Area (SF)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC: P610184
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$695,885.00

B610226		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 01	1	LS	\$14,000.00	\$14,000.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-61-226	1	LS	\$12,000.00	\$12,000.00	
210.1500	Backfill Structure Type A	180	TON	\$14.00	\$2,520.00	
502.0100	Concrete Masonry Bridges	93	CY	\$519.00	\$48,267.00	
502.3200	Protective Surface Treatment	24	SY	\$3.00	\$72.00	
505.0400	Bar Steel Reinforcement HS Structures	5130	LB	\$1.10	\$5,643.00	
505.0600	Bar Steel Reinforcement HS Coated Structures	2720	LB	\$1.10	\$2,992.00	
513.4061	Railing Tubular Type M (structure) 01. B-61-226	171	LF	\$200.00	\$34,200.00	
516.0500	Rubberized Membrane Waterproofing	18	SY	\$42.00	\$756.00	
550.2104	Piling CIP Concrete 10 3/4 X 0.25-Inch	1195	LF	\$28.50	\$34,057.50	
606.0300	Riprap Heavy	210	CY	\$48.00	\$10,080.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	120	LF	\$8.00	\$960.00	
645.0120	Geotextile Type HR	430	SY	\$3.00	\$1,290.00	

619.1000 Mobilization 0.26 EACH \$48,180.00 = \$12,410.33

Total Bridge Cost \$179,247.83	Total Bridge Cost per SF \$107.55	Br Manual Bridge Cost \$165,247.83	Br Manual Bridge Cost per SF \$99.15
FHWA Bridge Cost \$141,467.50	FHWA Bridge Cost per SF \$84.88	Super. Only Cost pSF	Substructure Only Cost pSF
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

BRIDGE

Concrete Flat Slab

State of Wisconsin
Department of Transportation

Structure ID B610227	Project Contract ID 7281-00-71	Letting Date 2/14/2017	Proposal No. 20170214018	Plans Sign Date 8/18/2016	Crossing: Stream
Designer Mead & Hunt	Contractor LARSON CONSTRUCTION CO., INC			No. of Spans 2	Span Lengths (ft) 30,30
Abut Type A1	Pier Type Pile Encased	Width (ft) 26.5	Length (ft) 62.5	Area (SF) 1656.25	Retaining Wall Area (SF)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC: P610183
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$695,885.00

B610227		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 02	1 LS		\$14,000.00	\$14,000.00	
206.1000	Excavation for Structures Bridges (structure) 02. B-61-227	1 LS		\$12,000.00	\$12,000.00	
210.1500	Backfill Structure Type A	150 TON		\$14.00	\$2,100.00	
502.0100	Concrete Masonry Bridges	167 CY		\$519.00	\$86,673.00	
502.3200	Protective Surface Treatment	240 SY		\$3.00	\$720.00	
505.0400	Bar Steel Reinforcement HS Structures	4280 LB		\$1.10	\$4,708.00	
505.0600	Bar Steel Reinforcement HS Coated Structures	22990 LB		\$1.10	\$25,289.00	
513.4061	Railing Tubular Type M (structure) 02. B-61-227	170 LF		\$200.00	\$34,000.00	
516.0500	Rubberized Membrane Waterproofing	16 SY		\$42.00	\$672.00	
550.2104	Piling CIP Concrete 10 3/4 X 0.25-Inch	880 LF		\$28.50	\$25,080.00	
606.0300	Riprap Heavy	130 CY		\$48.00	\$6,240.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	114 LF		\$8.00	\$912.00	
645.0120	Geotextile Type HR	300 SY		\$3.00	\$900.00	

619.1000 Mobilization 0.33 EACH \$48,180.00 = \$15,866.03

Total Bridge Cost \$229,160.03	Total Bridge Cost per SF \$138.36	Br Manual Bridge Cost \$215,160.03	Br Manual Bridge Cost per SF \$129.91
FHWA Bridge Cost \$192,154.00	FHWA Bridge Cost per SF \$116.02	Super. Only Cost pSF	Substructure Only Cost pSF
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

BRIDGE

Prestressed I-Girder

State of Wisconsin
Department of Transportation

Structure ID B130685	Project Contract ID 5848-00-70	Letting Date 3/14/2017	Proposal No. 20170314010	Plans Sign Date 11/28/2016	Crossing: Stream
Designer MSA	Contractor ZENITH TECH., INC		No. of Spans 2	Span Lengths (ft) 73.63,73.63	
Abut Type A5	Pier Type Pile Encased	Width (ft) 37.33	Length (ft) 157.08	Area (SF) 5864	Retaining Wall Area (SF)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC: B130035
Sign Type	Arm Type	Upright Type		Foundation Type	Total Project Cost
Arm Length	Min. Vert.Clearance (ft)	Design Sign Area (SF)		Max. Sign Depth (ft)	\$797,547.87

B130685		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 01.	1 LS		\$70,000.00	\$70,000.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-13-685	1 LS		\$6,500.00	\$6,500.00	
210.1500	Backfill Structure Type A	400 TON		\$13.00	\$5,200.00	
502.0100	Concrete Masonry Bridges	322 CY		\$650.00	\$209,300.00	
502.3200	Protective Surface Treatment	755 SY		\$2.75	\$2,076.25	
503.0137	Prestressed Girder Type I 36W-Inch	616 LF		\$160.00	\$98,560.00	
505.0400	Bar Steel Reinforcement HS Structures	7080 LB		\$0.80	\$5,664.00	
505.0600	Bar Steel Reinforcement HS Coated Structures	47115 LB		\$0.90	\$42,403.50	
506.2605	Bearing Pads Elastomeric Non-Laminated	16 EACH		\$125.00	\$2,000.00	
506.4000	Steel Diaphragms (structure) 01. B-13-685	6 EACH		\$730.00	\$4,380.00	
513.7084	Railing Steel Type NY4 (structure) 01. B-13-685	320 LF		\$185.00	\$59,200.00	
516.0500	Rubberized Membrane Waterproofing	16 SY		\$30.00	\$480.00	
550.0500	Pile Points	25 EACH		\$210.00	\$5,250.00	
550.2128	Piling CIP Concrete 12 3/4 X 0.50-Inch	925 LF		\$68.00	\$62,900.00	
606.0300	Riprap Heavy	495 CY		\$45.00	\$22,275.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	160 LF		\$8.00	\$1,280.00	
645.0120	Geotextile Type HR	915 SY		\$4.00	\$3,660.00	
650.6500	Construction Staking Structure Layout (structure) 01. B-13-0685	1 LS		\$1,700.00	\$1,700.00	

619.1000 Mobilization 0.81 EACH \$52,000.00 = \$42,045.72

Total Bridge Cost \$644,874.47	Total Bridge Cost per SF \$109.97	Br Manual Bridge Cost \$574,874.47	Br Manual Bridge Cost per SF \$98.03
FHWA Bridge Cost \$505,193.75	FHWA Bridge Cost per SF \$86.15	Super. Only Cost pSF \$58.89	Substructure Only Cost pSF \$39.14
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B130685

Superstructure Bid Items

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502.0100	Concrete Masonry Bridges	215	CY	\$650.00	\$139,750.00
502.3200	Protective Surface Treatment	713	SY	\$2.75	\$1,960.75
503.0137	Prestressed Girder Type I 36W-Inch	616	LF	\$160.00	\$98,560.00
505.0600	Bar Steel Reinforcement HS Coated Structures	43870	LB	\$0.90	\$39,483.00
506.2605	Bearing Pads Elastomeric Non-Laminated	16	EACH	\$125.00	\$2,000.00
506.4000	Steel Diaphragms (structure) 01. B-13-685	6	EACH	\$730.00	\$4,380.00
513.7084	Railing Steel Type NY4 (structure) 01. B-13-685	320	LF	\$185.00	\$59,200.00

BRIDGE

Prestressed I-Girder

State of Wisconsin
Department of Transportation

Structure ID B130720	Project Contract ID 1007-10-86	Letting Date 3/14/2017	Proposal No. 20170314002	Plans Sign Date 11/16/2016	Crossing: Grade
Designer WisDOT BOS	Contractor HOFFMAN CONSTRUCTION COMPANY			No. of Spans 2	Span Lengths (ft) 117,117
Abut Type A1	Pier Type Multi-Column	Width (ft) 86.17	Length (ft) 238.97	Area (SF) 20592	Wall Length (ft) Retaining Wall Area (SF)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC: B130143
Sign Type	Arm Type	Upright Type		Foundation Type	Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)		Max. Sign Depth (ft)	\$24,138,619.19

B130720		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0200	Removing Old Structure (station) 200. 101+36.78	1	LS	\$185,000.00	\$185,000.00	
203.0210.S	Abatement of Asbestos Containing Material (structure) 200. B-13-1	1	LS	\$2,500.00	\$2,500.00	
203.0225.S	Debris Containment (structure) 200. B-13-143	1	LS	\$500.00	\$500.00	
206.1000	Excavation for Structures Bridges (structure) 200. B-13-720	1	LS	\$2,000,000.00	\$2,000,000.00	
210.1500	Backfill Structure Type A	969	TON	\$18.00	\$17,442.00	
305.0120	Base Aggregate Dense 1 1/4-Inch	592	TON	\$0.01	\$5.92	
501.1000.S	Ice Hot Weather Concreting	11791	LB	\$0.75	\$8,843.25	
502.0100	Concrete Masonry Bridges **P**	468	CY	\$515.00	\$241,020.00	
502.3200	Protective Surface Treatment **P**	2736	SY	\$2.00	\$5,472.00	
502.3210	Pigmented Surface Sealer	244	SY	\$2.50	\$610.00	
503.0155	Prestressed Girder Type I 54W-Inch **P**	2583	LF	\$160.00	\$413,280.00	
505.0400	Bar Steel Reinforcement HS Structures **P**	18700	LB	\$0.90	\$16,830.00	
505.0600	Bar Steel Reinforcement HS Coated Structures **P**	259000	LB	\$0.95	\$246,050.00	
505.0800.S	Bar Steel Reinforcement HS Stainless Structures **P**	2900	LB	\$3.75	\$10,875.00	
506.2605	Bearing Pads Elastomeric Non-Laminated	44	EACH	\$100.00	\$4,400.00	
506.4000	Steel Diaphragms (structure) 200. B-13-720 **P**	40	EACH	\$800.00	\$32,000.00	
511.1200	Temporary Shoring (structure) 200. B-13-720	1255	SF	\$55.00	\$69,025.00	
513.4091	Railing Tubular Screening (structure) 200. B-13-720	548	LF	\$130.00	\$71,240.00	
516.0500	Rubberized Membrane Waterproofing	40	SY	\$20.00	\$800.00	
517.1010.S	Concrete Staining (structure) 200. B-13-720 **P**	12591	SF	\$1.00	\$12,591.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb	5110	LF	\$26.00	\$132,860.00	
604.0400	Slope Paving Concrete	71	SY	\$80.00	\$5,680.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	326	LF	\$6.75	\$2,200.50	
614.0150	Anchor Assemblies for Steel Plate Beam Guard	4	EACH	\$150.00	\$600.00	
652.0125	Conduit Rigid Metallic 2-Inch **P**	384	LF	\$35.00	\$13,440.00	
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch **P**	1360	LF	\$4.25	\$5,780.00	
653.0222	Junction Boxes 18x12x6-Inch	6	EACH	\$1,100.00	\$6,600.00	
657.6005.S	Anchor Assemblies Light Poles on Structures	1	EACH	\$400.00	\$400.00	
SPV.0035	701. High Performance Concrete (HPC) Mas onry Structures **P**	1104	CY	\$575.00	\$634,800.00	

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SPV.0060	700. Anchor Bolt Assembly Sign Bridge	2 EACH	\$1.00	\$2.00
SPV.0165	852. Longitudinal Grooving Bridge Deck * **P**	17565 SF	\$0.65	\$11,417.25

619.1000 Mobilization 0.21 EACH \$4,586,000.00 = \$973,899.31

Total Bridge Cost	Total Bridge Cost per SF	Br Manual Bridge Cost	Br Manual Bridge Cost per SF
\$5,126,163.23	\$248.94	\$4,941,163.23	\$239.96
FHWA Bridge Cost	FHWA Bridge Cost per SF	Super. Only Cost pSF	Substructure Only Cost pSF
\$3,932,763.92	\$190.99	\$60.02	\$179.94
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B130720	Superstructure Bid Items			
501.1000.S	Ice Hot Weather Concreting	6780 LB	\$0.75	\$5,085.00
502.3200	Protective Surface Treatment **P**	2236 SY	\$2.00	\$4,472.00
502.3210	Pigmented Surface Sealer	200 SY	\$2.50	\$500.00
503.0155	Prestressed Girder Type I 54W-Inch **P**	2583 LF	\$160.00	\$413,280.00
505.0600	Bar Steel Reinforcement HS Coated Structures **P	179720 LB	\$0.95	\$170,734.00
506.4000	Steel Diaphragms (structure) 200. B-13-720 **P**	40 EACH	\$800.00	\$32,000.00
513.4091	Railing Tubular Screening (structure) 200. B-13-72	468 LF	\$130.00	\$60,840.00
517.1010.S	Concrete Staining (structure) 200. B-13-720 **P**	7200 SF	\$1.00	\$7,200.00
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch **P	1360 LF	\$4.25	\$5,780.00
653.0222	Junction Boxes 18x12x6-Inch	6 EACH	\$1,100.00	\$6,600.00
657.6005.S	Anchor Assemblies Light Poles on Structures	1 EACH	\$400.00	\$400.00
SPV.0035	701. High Performance Concrete (HPC) Mas onry S	904 CY	\$575.00	\$519,800.00
SPV.0165	852. Longitudinal Grooving Bridge Deck * **P**	14205 SF	\$0.65	\$9,233.25

BRIDGE

Prestressed I-Girder

State of Wisconsin
Department of Transportation

Structure ID B160134	Project Contract ID 8389-00-70	Letting Date 3/14/2017	Proposal No. 20170314033	Plans Sign Date 11/28/2016	Crossing: Stream
Designer Ayres Associates	Contractor RADTKE CONTRACTORS INC.		No. of Spans 1	Span Lengths (ft) 78	
Abut Type A1	Pier Type	Width (ft) 26.5	Length (ft) 80.5	Area (SF) 2133	Wall Length (ft)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC: P160010
Sign Type	Arm Type	Upright Type		Foundation Type	Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)		Max. Sign Depth (ft)	\$433,927.21

B160134		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0500.S	Removing Old Structure Over Waterway (station) 01. 10+00	1	LS	\$9,000.00	\$9,000.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-16-0134	1	LS	\$5,000.00	\$5,000.00	
210.1500	Backfill Structure Type A	530	TON	\$11.00	\$5,830.00	
502.0100	Concrete Masonry Bridges	146	CY	\$650.81	\$95,018.98	
502.3200	Protective Surface Treatment	270	SY	\$3.10	\$836.97	
503.0137	Prestressed Girder Type I 36W-Inch	316	LF	\$198.24	\$62,645.33	
505.0400	Bar Steel Reinforcement HS Structures	4390	LB	\$1.13	\$4,941.82	
505.0600	Bar Steel Reinforcement HS Coated Structures	15730	LB	\$1.23	\$19,371.50	
506.0105	Structural Steel Carbon	520	LB	\$4.98	\$2,589.39	
506.2605	Bearing Pads Elastomeric Non-Laminated	8	EACH	\$120.18	\$961.41	
506.4000	Steel Diaphragms (structure) 01. B-16-0134	6	EACH	\$715.84	\$4,295.06	
513.4061	Railing Tubular Type M (structure) 01. B-16-0134	165	LF	\$181.64	\$29,970.93	
516.0500	Rubberized Membrane Waterproofing	20	SY	\$41.43	\$828.68	
550.0020	Pre-Boring Rock or Consolidated Materials	120	LF	\$110.90	\$13,307.77	
550.1100	Piling Steel HP 10-Inch X 42 Lb	144	LF	\$43.84	\$6,312.28	
606.0300	Riprap Heavy	195	CY	\$47.61	\$9,283.77	
612.0406	Pipe Underdrain Wrapped 6-Inch	150	LF	\$7.50	\$1,125.00	
645.0120	Geotextile Type HR	390	SY	\$3.18	\$1,238.84	

619.1000 Mobilization 0.78 EACH \$82,681.40 = \$64,158.64

Total Bridge Cost \$336,716.37	Total Bridge Cost per SF \$157.86	Br Manual Bridge Cost \$327,716.37	Br Manual Bridge Cost per SF \$153.64
FHWA Bridge Cost \$253,035.11	FHWA Bridge Cost per SF \$118.63	Super. Only Cost pSF \$79.30	Substructure Only Cost pSF \$74.34
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B160134

Superstructure Bid Items

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502.0100	Concrete Masonry Bridges	83 CY	\$650.81	\$54,017.64
502.3200	Protective Surface Treatment	270 SY	\$3.10	\$836.97
503.0137	Prestressed Girder Type I 36W-Inch	316 LF	\$198.24	\$62,645.33
505.0600	Bar Steel Reinforcement HS Coated Structures	13340 LB	\$1.23	\$16,428.21
506.2605	Bearing Pads Elastomeric Non-Laminated	8 EACH	\$120.18	\$961.41
506.4000	Steel Diaphragms (structure) 01. B-16-0134	6 EACH	\$715.84	\$4,295.06
513.4061	Railing Tubular Type M (structure) 01. B-16-0134	165 LF	\$181.64	\$29,970.93

BRIDGE

Concrete Flat Slab

State of Wisconsin
Department of Transportation

Structure ID B240043	Project Contract ID 6598-00-70	Letting Date 3/14/2017	Proposal No. 20170314022	Plans Sign Date 11/17/2016	Crossing: Stream
Designer AECOM	Contractor LARSON CONSTRUCTION CO., INC.		No. of Spans 2	Span Lengths (ft) 31,31	
Abut Type A1	Pier Type Pile Encased	Width (ft) 30.5	Length (ft) 64.6	Area (SF) 1970	Wall Length (ft) Retaining Wall Area (SF)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC: B240006
Sign Type	Arm Type	Upright Type		Foundation Type	Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)		Max. Sign Depth (ft)	\$311,134.70

B240043		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 01	1	LS	\$17,000.00	\$17,000.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-24-43	1	LS	\$12,500.00	\$12,500.00	
210.1500	Backfill Structure Type A	440	TON	\$13.00	\$5,720.00	
502.0100	Concrete Masonry Bridges **P**	220	CY	\$476.00	\$104,720.00	
502.3200	Protective Surface Treatment **P**	275	SY	\$3.00	\$825.00	
505.0400	Bar Steel Reinforcement HS Structures **P**	6160	LB	\$1.00	\$6,160.00	
505.0600	Bar Steel Reinforcement HS Coated Structures **P**	27900	LB	\$1.00	\$27,900.00	
513.4061	Railing Tubular Type M (structure) 01. B-24-43**P**	174	LF	\$200.00	\$34,800.00	
516.0500	Rubberized Membrane Waterproofing	18	SY	\$45.00	\$810.00	
550.0500	Pile Points **P**	17	EACH	\$90.00	\$1,530.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb	460	LF	\$39.00	\$17,940.00	
606.0300	Riprap Heavy	160	CY	\$53.00	\$8,480.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	130	LF	\$3.00	\$390.00	
645.0120	Geotextile Type HR	300	SY	\$3.00	\$900.00	
619.1000	Mobilization	0.84	EACH	\$25,900.00	=	\$21,763.07

Total Bridge Cost \$261,438.07	Total Bridge Cost per SF \$132.71	Br Manual Bridge Cost \$244,438.07	Br Manual Bridge Cost per SF \$124.08
FHWA Bridge Cost \$213,295.00	FWHA Bridge Cost per SF \$108.27	Super. Only Cost pSF \$57.06	Substructure Only Cost pSF \$67.02
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B240043		Superstructure Bid Items			
502.0100	Concrete Masonry Bridges **P**	109	CY	\$476.00	\$51,884.00
502.3200	Protective Surface Treatment **P**	255	SY	\$3.00	\$765.00
505.0600	Bar Steel Reinforcement HS Coated Structures **P	24960	LB	\$1.00	\$24,960.00
513.4061	Railing Tubular Type M (structure) 01. B-24-43**	174	LF	\$200.00	\$34,800.00

BRIDGE

Prestressed I-Girder

State of Wisconsin
Department of Transportation

Structure ID B260038	Project Contract ID 1175-19-70	Letting Date 3/14/2017	Proposal No. 20170314020	Plans Sign Date 1/4/2017	Crossing: Stream
Designer WisDOT BOS	Contractor PHEIFER BROTHERS CONSTRUCTION CO., I			No. of Spans 1	Span Lengths (ft) 70
Abut Type A1	Pier Type	Width (ft) 42.9	Length (ft) 74.5	Area (SF) 3196	Wall Length (ft)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC: B260005
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$985,049.37

B260038		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0500.S	Removing Old Structure Over Waterway (station) 01. 10+00	1	LS	\$119,400.00	\$119,400.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-26-38	1	LS	\$23,721.48	\$23,721.48	
210.1500	Backfill Structure Type A	480	TON	\$13.00	\$6,240.00	
305.0120	Base Aggregate Dense 1 1/4-Inch	286	TON	\$11.17	\$3,194.62	
502.0100	Concrete Masonry Bridges	337	CY	\$630.00	\$212,310.00	
502.3200	Protective Surface Treatment	500	SY	\$4.50	\$2,250.00	
502.3210	Pigmented Surface Sealer	94	SY	\$9.00	\$846.00	
503.0137	Prestressed Girder Type I 36W-Inch	426	LF	\$220.00	\$93,720.00	
505.0400	Bar Steel Reinforcement HS Structures	4960	LB	\$1.00	\$4,960.00	
505.0600	Bar Steel Reinforcement HS Coated Structures	67950	LB	\$0.99	\$67,270.50	
505.0800.S	Bar Steel Reinforcement HS Stainless Structures	1460	LB	\$4.00	\$5,840.00	
505.0905	Bar Couplers No. 5	301	EACH	\$21.00	\$6,321.00	
505.0906	Bar Couplers No. 6	16	EACH	\$29.00	\$464.00	
505.0908	Bar Couplers No. 8	24	EACH	\$72.00	\$1,728.00	
506.2605	Bearing Pads Elastomeric Non-Laminated	12	EACH	\$140.00	\$1,680.00	
506.4000	Steel Diaphragms (structure) 01. B-26-38	5	EACH	\$840.00	\$4,200.00	
511.1200	Temporary Shoring (structure) 01. B-26-38	1840	SF	\$33.00	\$60,720.00	
516.0500	Rubberized Membrane Waterproofing	26	SY	\$49.00	\$1,274.00	
550.0500	Pile Points	16	EACH	\$120.00	\$1,920.00	
550.1120	Piling Steel HP 12-Inch X 53 Lb	1280	LF	\$43.00	\$55,040.00	
606.0300	Riprap Heavy	528	CY	\$95.00	\$50,160.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	146	LF	\$4.50	\$657.00	
614.0150	Anchor Assemblies for Steel Plate Beam Guard	4	EACH	\$230.00	\$920.00	
645.0120	Geotextile Type HR	792	SY	\$4.50	\$3,564.00	
SPV.0195	01. Select Crushed Material For Travel C orridor	66	TON	\$55.00	\$3,630.00	

619.1000 Mobilization 0.78 EACH \$49,967.58 = \$39,117.22

Total Bridge Cost \$771,147.82	Total Bridge Cost per SF \$241.29	Br Manual Bridge Cost \$651,747.82	Br Manual Bridge Cost per SF \$203.93
FHWA Bridge Cost	FWHA Bridge Cost per SF	Super. Only Cost pSF	Substructure Only Cost pSF

BRIDGE

Prestressed I-Girder

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\$555,276.60

\$173.74

\$86.55

\$117.37

Total Ret Wall Cost

Total Ret Wall Cost per SF

Br Manual Ret Wall Cost

Br Manual Ret Wall Cost per SF

Total Culvert Cost

Total Culvert Cost per LF

Br Manual Culvert Cost

Br Manual Culvert Cost per LF

Total Sign Cost

Total Sign Cost per LF of Arm

Br Manual Sign Cost

Br Manual Sign Cost per LF of Arm

B260038**Superstructure Bid Items**

502.0100	Concrete Masonry Bridges	131 CY	\$630.00	\$82,530.00
502.3200	Protective Surface Treatment	322 SY	\$4.50	\$1,449.00
502.3210	Pigmented Surface Sealer	60 SY	\$9.00	\$540.00
503.0137	Prestressed Girder Type I 36W-Inch	426 LF	\$220.00	\$93,720.00
505.0600	Bar Steel Reinforcement HS Coated Structures	22830 LB	\$0.99	\$22,601.70
505.0800.S	Bar Steel Reinforcement HS Stainless Structures	1460 LB	\$4.00	\$5,840.00
505.0905	Bar Couplers No. 5	217 EACH	\$21.00	\$4,557.00
505.0906	Bar Couplers No. 6	16 EACH	\$29.00	\$464.00
506.4000	Steel Diaphragms (structure) 01. B-26-38	5 EACH	\$840.00	\$4,200.00
511.1200	Temporary Shoring (structure) 01. B-26-38	1840 SF	\$33.00	\$60,720.00

BRIDGE

Prestressed I-Girder

State of Wisconsin
Department of Transportation

Structure ID B280175	Project Contract ID 3050-02-72	Letting Date 3/14/2017	Proposal No. 20170314005	Plans Sign Date 11/16/2016	Crossing: Stream
Designer WisDOT BOS	Contractor MICHEL'S CORPORATION		No. of Spans 1	Span Lengths (ft) 76	
Abut Type A1	Pier Type	Width (ft) 50.33	Length (ft) 80.5	Area (SF) 4051.57	Wall Length (ft)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC: B280466
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$4,284,333.67

B280175		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 01	1	LS	\$52,900.00	\$52,900.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-28-175	1	LS	\$96,956.21	\$96,956.21	
210.1500	Backfill Structure Type A	466	TON	\$27.72	\$12,917.52	
305.0120	Base Aggregate Dense 1 1/4-Inch	302	TON	\$6.34	\$1,914.68	
502.0100	Concrete Masonry Bridges	433	CY	\$400.00	\$173,200.00	
502.3200	Protective Surface Treatment	659	SY	\$4.50	\$2,965.50	
502.3210	Pigmented Surface Sealer	165	SY	\$9.00	\$1,485.00	
503.0137	Prestressed Girder Type I 36W-Inch	462	LF	\$200.00	\$92,400.00	
505.0400	Bar Steel Reinforcement HS Structures	6280	LB	\$0.94	\$5,903.20	
505.0600	Bar Steel Reinforcement HS Coated Structures	52690	LB	\$0.94	\$49,528.60	
505.0800.S	Bar Steel Reinforcement HS Stainless Structures	1740	LB	\$3.60	\$6,264.00	
506.2605	Bearing Pads Elastomeric Non-Laminated	12	EACH	\$140.00	\$1,680.00	
506.4000	Steel Diaphragms (structure) 01. B-28-175	5	EACH	\$810.00	\$4,050.00	
516.0500	Rubberized Membrane Waterproofing	30	SY	\$45.00	\$1,350.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb	660	LF	\$33.00	\$21,780.00	
606.0300	Riprap Heavy	380	CY	\$52.59	\$19,984.20	
612.0406	Pipe Underdrain Wrapped 6-Inch	188	LF	\$4.50	\$846.00	
645.0120	Geotextile Type HR	570	SY	\$2.31	\$1,316.70	
652.0125	Conduit Rigid Metallic 2-Inch	16	LF	\$47.38	\$758.08	
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	125	LF	\$5.13	\$641.25	
SPV.0090	81. Parapet Concrete Type 'TX'	237	LF	\$160.00	\$37,920.00	

619.1000 Mobilization 0.14 EACH \$156,393.04 = \$22,230.29

Total Bridge Cost \$608,991.23	Total Bridge Cost per SF \$150.31	Br Manual Bridge Cost \$556,091.23	Br Manual Bridge Cost per SF \$137.25
FHWA Bridge Cost	FHWA Bridge Cost per SF	Super. Only Cost pSF \$57.06	Substructure Only Cost pSF \$80.19
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF

Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm
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B280175		Superstructure Bid Items		
502.0100	Concrete Masonry Bridges	181 CY	\$400.00	\$72,400.00
502.3200	Protective Surface Treatment	441 SY	\$4.50	\$1,984.50
502.3210	Pigmented Surface Sealer	115 SY	\$9.00	\$1,035.00
503.0137	Prestressed Girder Type I 36W-Inch	462 LF	\$200.00	\$92,400.00
505.0600	Bar Steel Reinforcement HS Coated Structures	27820 LB	\$0.94	\$26,150.80
505.0800.S	Bar Steel Reinforcement HS Stainless Structures	1740 LB	\$3.60	\$6,264.00
506.4000	Steel Diaphragms (structure) 01. B-28-175	5 EACH	\$810.00	\$4,050.00
652.0125	Conduit Rigid Metallic 2-Inch	16 LF	\$47.38	\$758.08
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	75 LF	\$5.13	\$384.75
SPV.0090	81. Parapet Concrete Type 'TX'	161 LF	\$160.00	\$25,760.00

BRIDGE

Concrete Flat Slab

State of Wisconsin
Department of Transportation

Structure ID B410302	Project Contract ID 5025-00-71	Letting Date 3/14/2017	Proposal No. 20170314007	Plans Sign Date 11/18/2016	Crossing: Stream
Designer Cedar Corp	Contractor PHEIFER BROTHERS CONSTRUCTION CO., I			No. of Spans 1	Span Lengths (ft) 36
Abut Type A1	Pier Type	Width (ft) 26.5	Length (ft) 38.6	Area (SF) 1023	Wall Length (ft)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC: P410175
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$229,731.51

B410302		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 01	1 LS		\$24,772.55	\$24,772.55	
206.1000	Excavation for Structures Bridges (structure) 01. B-41-0302	1 LS		\$2,340.83	\$2,340.83	
210.1500	Backfill Structure Type A	330 TON		\$22.05	\$7,276.50	
502.0100	Concrete Masonry Bridges	141 CY		\$420.00	\$59,220.00	
502.3200	Protective Surface Treatment	135 SY		\$4.50	\$607.50	
505.0400	Bar Steel Reinforcement HS Structures	3100 LB		\$1.00	\$3,100.00	
505.0600	Bar Steel Reinforcement HS Coated Structures	15260 LB		\$1.00	\$15,260.00	
513.4061	Railing Tubular Type M (structure) 01. B-41-0302	117 LF		\$270.00	\$31,590.00	
516.0500	Rubberized Membrane Waterproofing	16 SY		\$49.00	\$784.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb	200 LF		\$44.00	\$8,800.00	
606.0300	Riprap Heavy	110 CY		\$38.78	\$4,265.80	
612.0406	Pipe Underdrain Wrapped 6-Inch	160 LF		\$4.27	\$683.20	
645.0120	Geotextile Type HR	220 SY		\$2.79	\$613.80	
SPV.0085	01. Fiber Reinforcement for Concrete Ma sonry Bridges	105 LB		\$15.00	\$1,575.00	
619.1000	Mobilization	0.76	EACH	\$17,123.87	=	\$12,958.36

Total Bridge Cost \$173,847.54	Total Bridge Cost per SF \$169.94	Br Manual Bridge Cost \$149,074.99	Br Manual Bridge Cost per SF \$145.72
FHWA Bridge Cost	FWHA Bridge Cost per SF	Super. Only Cost pSF \$41.62	Substructure Only Cost pSF \$104.11
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B410302		Superstructure Bid Items			
502.0100	Concrete Masonry Bridges	70.4	CY	\$420.00	\$29,568.00
502.3200	Protective Surface Treatment	135	SY	\$4.50	\$607.50
505.0600	Bar Steel Reinforcement HS Coated Structures	12400	LB	\$1.00	\$12,400.00

BRIDGE

Concrete Flat Slab

State of Wisconsin
Department of Transportation

Structure ID B580126	Project Contract ID 6097-05-70	Letting Date 3/14/2017	Proposal No. 20170314021	Plans Sign Date 11/25/2016	Crossing: Stream
Designer AECOM	Contractor RADKE CONTRACTORS INC		No. of Spans 1	Span Lengths (ft) 38	
Abut Type A1	Pier Type	Width (ft) 30.5	Length (ft) 40.86	Area (SF) 1246	Wall Length (ft)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC: P580053
Sign Type	Arm Type	Upright Type		Foundation Type	Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)		Max. Sign Depth (ft)	\$353,552.82

B580126		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 01	1	LS	\$7,388.16	\$7,388.16	
206.1000	Excavation for Structures Bridges (structure) 01. B-58-126	1	LS	\$7,460.23	\$7,460.23	
210.1500	Backfill Structure Type A	400	TON	\$15.52	\$6,207.40	
502.0100	Concrete Masonry Bridges **P**	153	CY	\$494.25	\$75,620.01	
502.3200	Protective Surface Treatment **P**	184	SY	\$2.75	\$505.37	
505.0400	Bar Steel Reinforcement HS Structures **P**	4220	LB	\$0.96	\$4,035.16	
505.0600	Bar Steel Reinforcement HS Coated Structures **P**	19190	LB	\$0.97	\$18,621.98	
513.4061	Railing Tubular Type M (structure) 01. B-58-126**P**	127	LF	\$199.69	\$25,360.80	
516.0500	Rubberized Membrane Waterproofing	18	SY	\$39.06	\$703.04	
550.2126	Piling CIP Concrete 12 3/4 X 0.375-Inch	1120	LF	\$40.27	\$45,101.95	
606.0300	Riprap Heavy	154	CY	\$57.26	\$8,818.09	
612.0406	Pipe Underdrain Wrapped 6-Inch	130	LF	\$4.01	\$521.64	
645.0120	Geotextile Type HR	310	SY	\$3.06	\$948.35	

619.1000 Mobilization 0.62 EACH \$29,481.74 = \$18,312.17

Total Bridge Cost \$219,604.34	Total Bridge Cost per SF \$176.25	Br Manual Bridge Cost \$212,216.18	Br Manual Bridge Cost per SF \$170.32
FHWA Bridge Cost \$184,137.58	FHWA Bridge Cost per SF \$147.78	Super. Only Cost pSF \$68.77	Substructure Only Cost pSF \$101.54
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B580126		Superstructure Bid Items			
502.0100	Concrete Masonry Bridges **P**	89	CY	\$494.25	\$43,988.11
502.3200	Protective Surface Treatment **P**	160	SY	\$2.75	\$439.46
505.0600	Bar Steel Reinforcement HS Coated Structures **P	16390	LB	\$0.97	\$15,904.86
513.4061	Railing Tubular Type M (structure) 01. B-58-126*	127	LF	\$199.69	\$25,360.80

Structure ID	Project Contract ID	Letting Date	Proposal No.	Plans Sign Date	Crossing:
B620247	5296-00-70	3/14/2017	20170314009	11/17/2016	Stream
Designer	Contractor		No. of Spans	Span Lengths (ft)	
MSA	LARSON CONSTRUCTION, CO., INC		1	46	
Abut Type	Pier Type	Width (ft)	Length (ft)	Area (SF)	Wall Length (ft)
A5		30.9	48.9	1511	
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC:
					P620128
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert.Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)	\$272,080.32	

B620247		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 01.	1	LS	\$9,800.00	\$9,800.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-62-247	1	LS	\$6,500.00	\$6,500.00	
210.1500	Backfill Structure Type A	530	TON	\$19.00	\$10,070.00	
502.0100	Concrete Masonry Bridges	95	CY	\$367.00	\$34,865.00	
502.3200	Protective Surface Treatment	187	SY	\$3.30	\$617.10	
502.3210	Pigmented Surface Sealer	41	SY	\$6.00	\$246.00	
505.0400	Bar Steel Reinforcement HS Structures	5380	LB	\$1.00	\$5,380.00	
505.0600	Bar Steel Reinforcement HS Coated Structures	26840	LB	\$1.00	\$26,840.00	
516.0500	Rubberized Membrane Waterproofing	14	SY	\$40.00	\$560.00	
550.0500	Pile Points	14	EACH	\$100.00	\$1,400.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb	330	LF	\$36.50	\$12,045.00	
606.0300	Riprap Heavy	220	CY	\$45.00	\$9,900.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	180	LF	\$8.00	\$1,440.00	
645.0120	Geotextile Type HR	420	SY	\$3.00	\$1,260.00	
650.6500	Construction Staking Structure Layout (structure) 01. B-62-247	1	LS	\$2,000.00	\$2,000.00	

619.1000	Mobilization		0.50	EACH	\$26,305.00	=	\$13,156.29
Total Bridge Cost	Total Bridge Cost per SF	Br Manual Bridge Cost	Br Manual Bridge Cost per SF				
\$136,079.39	\$90.06	\$126,279.39	\$83.57				
FHWA Bridge Cost	FHWA Bridge Cost per SF	Super. Only Cost pSF	Substructure Only Cost pSF				
\$99,963.10	\$66.16	\$15.59	\$67.99				
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF				
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF				
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm				

B620247		Superstructure Bid Items			
502.3200	Protective Surface Treatment	130	SY	\$3.30	\$429.00
502.3210	Pigmented Surface Sealer	41	SY	\$6.00	\$246.00
505.0600	Bar Steel Reinforcement HS Coated Structures	22875	LB	\$1.00	\$22,875.00

BRIDGE

Prestressed I-Girder

State of Wisconsin
Department of Transportation

Structure ID B670331	Project Contract ID 2025-13-71	Letting Date 3/14/2017	Proposal No. 20170314014	Plans Sign Date 11/23/2016	Crossing: Grade
Designer Jewell	Contractor LUNDA CONSTRUCTION COMPANY			No. of Spans 2	Span Lengths (ft) 108,108
Abut Type A1	Pier Type Multi-Column	Width (ft) 70.5	Length (ft) 220.5	Area (SF) 15545	Wall Length (ft) Retaining Wall Area (SF)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC:
Sign Type	Arm Type	Upright Type	Foundation Type		
Arm Length	Min. Vert.Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)	Total Project Cost \$8,057,969.18	

B670331		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0200	Removing Old Structure (station) 01. 134+56	1	LS	\$150,000.00	\$150,000.00	
203.0225.S	Debris Containment (structure) 01. B-67-331	1	LS	\$3,000.00	\$3,000.00	
204.0175	Removing Concrete Slope Paving	227	SY	\$8.50	\$1,929.50	
206.1000	Excavation for Structures Bridges (structure) 01. B-67-331	1	LS	\$10,305.00	\$10,305.00	
210.1100	Backfill Structure Type A	460	CY	\$26.00	\$11,960.00	
305.0120	Base Aggregate Dense 1 1/4-Inch	430	TON	\$8.50	\$3,655.00	
501.1000.S	Ice Hot Weather Concreting	7250	LB	\$0.75	\$5,437.50	
502.0100	Concrete Masonry Bridges	967	CY	\$500.00	\$483,500.00	
502.3200	Protective Surface Treatment	1990	SY	\$2.50	\$4,975.00	
502.3210	Pigmented Surface Sealer	215	SY	\$3.00	\$645.00	
503.0146	Prestressed Girder Type I 45W-Inch	1951	LF	\$142.00	\$277,042.00	
505.0400	Bar Steel Reinforcement HS Structures	11620	LB	\$0.70	\$8,134.00	
505.0600	Bar Steel Reinforcement HS Coated Structures	181610	LB	\$0.75	\$136,207.50	
505.0800.S	Bar Steel Reinforcement HS Stainless Structures	2410	LB	\$2.90	\$6,989.00	
506.2605	Bearing Pads Elastomeric Non-Laminated	36	EACH	\$40.00	\$1,440.00	
506.4000	Steel Diaphragms (structure) 01. B-67-331	32	EACH	\$280.00	\$8,960.00	
516.0500	Rubberized Membrane Waterproofing	26	SY	\$25.00	\$650.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb	1560	LF	\$34.70	\$54,132.00	
604.0400	Slope Paving Concrete	550	SY	\$60.00	\$33,000.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	620	LF	\$3.85	\$2,387.00	
614.0150	Anchor Assemblies for Steel Plate Beam Guard	4	EACH	\$100.00	\$400.00	

619.1000 Mobilization 0.16 EACH \$562,859.00 = \$90,472.79

Total Bridge Cost \$1,295,221.29	Total Bridge Cost per SF \$83.32	Br Manual Bridge Cost \$1,145,221.29	Br Manual Bridge Cost per SF \$73.67
FHWA Bridge Cost	FHWA Bridge Cost per SF	Super. Only Cost pSF \$42.75	Substructure Only Cost pSF \$30.92
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF

Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm
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B670331**Superstructure Bid Items**

501.1000.S	Ice Hot Weather Concreting	4265 LB	\$0.75	\$3,198.75
502.0100	Concrete Masonry Bridges	569 CY	\$500.00	\$284,500.00
502.3200	Protective Surface Treatment	1690 SY	\$2.50	\$4,225.00
502.3210	Pigmented Surface Sealer	181 SY	\$3.00	\$543.00
503.0146	Prestressed Girder Type I 45W-Inch	1951 LF	\$142.00	\$277,042.00
505.0600	Bar Steel Reinforcement HS Coated Structures	124840 LB	\$0.75	\$93,630.00
506.2605	Bearing Pads Elastomeric Non-Laminated	36 EACH	\$40.00	\$1,440.00

BRIDGE

Prestressed I-Girder

State of Wisconsin
Department of Transportation

Structure ID B670332	Project Contract ID 2025-13-71	Letting Date 3/14/2017	Proposal No. 20170314014	Plans Sign Date 11/23/2016	Crossing: Grade
Designer Jewell	Contractor LUNDA CONSTRUCTION COMPANY			No. of Spans 2	Span Lengths (ft) 108,108
Abut Type A1	Pier Type Multi-Column	Width (ft) 70.5	Length (ft) 220.5	Area (SF) 15545	Wall Length (ft) Retaining Wall Area (SF)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC:
Sign Type	Arm Type	Upright Type		Foundation Type	Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)		Max. Sign Depth (ft)	\$8,057,969.18

B670332		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0200	Removing Old Structure (station) 02. 134+56	1	LS	\$150,000.00	\$150,000.00	
203.0225.S	Debris Containment (structure) 02. B-67-332	1	LS	\$3,000.00	\$3,000.00	
204.0175	Removing Concrete Slope Paving	227	SY	\$8.50	\$1,929.50	
206.1000	Excavation for Structures Bridges (structure) 02. B-67-332	1	LS	\$11,202.00	\$11,202.00	
210.1100	Backfill Structure Type A	460	CY	\$26.00	\$11,960.00	
305.0120	Base Aggregate Dense 1 1/4-Inch	430	TON	\$8.50	\$3,655.00	
502.0100	Concrete Masonry Bridges	967	CY	\$500.00	\$483,500.00	
502.3200	Protective Surface Treatment	1990	SY	\$2.50	\$4,975.00	
502.3210	Pigmented Surface Sealer	215	SY	\$3.00	\$645.00	
503.0146	Prestressed Girder Type I 45W-Inch	1951	LF	\$142.00	\$277,042.00	
505.0400	Bar Steel Reinforcement HS Structures	11620	LB	\$0.70	\$8,134.00	
505.0600	Bar Steel Reinforcement HS Coated Structures	181610	LB	\$0.75	\$136,207.50	
505.0800.S	Bar Steel Reinforcement HS Stainless Structures	2410	LB	\$2.90	\$6,989.00	
506.2605	Bearing Pads Elastomeric Non-Laminated	36	EACH	\$40.00	\$1,440.00	
506.4000	Steel Diaphragms (structure) 02. B-67-332	32	EACH	\$280.00	\$8,960.00	
511.1200	Temporary Shoring (structure) 02. B-67-332	550	SF	\$1.00	\$550.00	
516.0500	Rubberized Membrane Waterproofing	26	SY	\$25.00	\$650.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb	1560	LF	\$34.70	\$54,132.00	
604.0400	Slope Paving Concrete	550	SY	\$60.00	\$33,000.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	620	LF	\$3.85	\$2,387.00	
614.0150	Anchor Assemblies for Steel Plate Beam Guard	4	EACH	\$100.00	\$400.00	

619.1000 Mobilization 0.16 EACH \$562,859.00 = \$90,173.12

Total Bridge Cost \$1,290,931.12	Total Bridge Cost per SF \$83.04	Br Manual Bridge Cost \$1,140,931.12	Br Manual Bridge Cost per SF \$73.40
FHWA Bridge Cost	FHWA Bridge Cost per SF	Super. Only Cost pSF \$43.15	Substructure Only Cost pSF \$30.25
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF

Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm
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B670332**Superstructure Bid Items**

502.0100	Concrete Masonry Bridges	569 CY	\$500.00	\$284,500.00
502.3200	Protective Surface Treatment	1690 SY	\$2.50	\$4,225.00
502.3210	Pigmented Surface Sealer	181 SY	\$3.00	\$543.00
503.0146	Prestressed Girder Type I 45W-Inch	1951 LF	\$142.00	\$277,042.00
505.0600	Bar Steel Reinforcement HS Coated Structures	124840 LB	\$0.75	\$93,630.00
506.2605	Bearing Pads Elastomeric Non-Laminated	36 EACH	\$40.00	\$1,440.00
506.4000	Steel Diaphragms (structure) 02. B-67-332	32 EACH	\$280.00	\$8,960.00
614.0150	Anchor Assemblies for Steel Plate Beam Guard	4 EACH	\$100.00	\$400.00

BRIDGE

Prestressed I-Girder

State of Wisconsin
Department of Transportation

Structure ID B130648	Project Contract ID 1011-03-76	Letting Date 4/11/2017	Proposal No. 20170411003	Plans Sign Date 1/23/2017	Crossing: Grade
Designer WisDOT BOS	Contractor ZENITH TECH., INC. - WAUKESHA		No. of Spans 2	Span Lengths (ft) 131,131	
Abut Type A1	Pier Type Multi-Column	Width (ft) 34.89	Length (ft) 266.54	Area (SF) 9300	Wall Length (ft) Retaining Wall Area (SF)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC: B130085
Sign Type	Arm Type	Upright Type		Foundation Type	Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)		Max. Sign Depth (ft)	\$2,297,946.47

B130648		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0200	Removing Old Structure (station) 01. 20+00	1	LS	\$120,000.00	\$120,000.00	
203.0225.S	Debris Containment (structure) 01. B-13-85	1	LS	\$0.01	\$0.01	
206.1000	Excavation for Structures Bridges (structure) 01. B-13-0648	1	LS	\$35,000.00	\$35,000.00	
206.5000	Cofferdams (structure) 01. B-13-648	1	LS	\$35,000.00	\$35,000.00	
210.1500	Backfill Structure Type A	808	TON	\$36.10	\$29,168.80	
502.0100	Concrete Masonry Bridges	583	CY	\$585.00	\$341,055.00	
502.3210	Pigmented Surface Sealer	220	SY	\$7.50	\$1,650.00	
503.0155	Prestressed Girder Type I 54W-Inch	1577	LF	\$150.00	\$236,550.00	
505.0400	Bar Steel Reinforcement HS Structures	8480	LB	\$0.80	\$6,784.00	
505.0600	Bar Steel Reinforcement HS Coated Structures	101370	LB	\$0.90	\$91,233.00	
506.2605	Bearing Pads Elastomeric Non-Laminated	24	EACH	\$100.00	\$2,400.00	
506.4000	Steel Diaphragms (structure) 01. B-13-0648	20	EACH	\$650.00	\$13,000.00	
509.5100.S	Polymer Overlay	942	SY	\$31.15	\$29,343.30	
516.0500	Rubberized Membrane Waterproofing	32	SY	\$25.00	\$800.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb	2835	LF	\$33.00	\$93,555.00	
604.0400	Slope Paving Concrete	42	SY	\$60.95	\$2,559.90	
604.0500	Slope Paving Crushed Aggregate	252	SY	\$21.79	\$5,491.08	
612.0406	Pipe Underdrain Wrapped 6-Inch	190	LF	\$4.00	\$760.00	
614.0150	Anchor Assemblies for Steel Plate Beam Guard	4	EACH	\$250.00	\$1,000.00	
SPV.0090	01. Removing Existing Timber Piling	239	LF	\$40.00	\$9,560.00	

619.1000 Mobilization 0.48 EACH \$102,000.00 = \$48,999.75

Total Bridge Cost \$1,103,909.84	Total Bridge Cost per SF \$118.70	Br Manual Bridge Cost \$983,909.84	Br Manual Bridge Cost per SF \$105.80
FHWA Bridge Cost \$917,299.10	FHWA Bridge Cost per SF \$98.63	Super. Only Cost pSF \$63.89	Substructure Only Cost pSF \$41.90
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF

Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm
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B130648**Superstructure Bid Items**

502.0100	Concrete Masonry Bridges	405 CY	\$585.00	\$236,925.00
502.3210	Pigmented Surface Sealer	220 SY	\$7.50	\$1,650.00
503.0155	Prestressed Girder Type I 54W-Inch	1577 LF	\$150.00	\$236,550.00
505.0600	Bar Steel Reinforcement HS Coated Structures	85280 LB	\$0.90	\$76,752.00
506.4000	Steel Diaphragms (structure) 01. B-13-0648	20 EACH	\$650.00	\$13,000.00
509.5100.S	Polymer Overlay	942 SY	\$31.15	\$29,343.30

BRIDGE

Prestressed Box Girder

State of Wisconsin
Department of Transportation

Structure ID B150026	Project Contract ID 4150-17-71	Letting Date 5/9/2017	Proposal No. 20170509018	Plans Sign Date 2/7/2017	Crossing: Stream
Designer Ayres Associates	Contractor NORTHEAST ASPHALT, INC		No. of Spans 1	Span Lengths (ft) 37.83	
Abut Type A5	Pier Type	Width (ft) 40.17	Length (ft) 41.83	Area (SF) 1680	Wall Length (ft)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC: C150037
Sign Type	Arm Type	Upright Type		Foundation Type	Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)		Max. Sign Depth (ft)	\$3,742,100.33

B150026		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 01	1	LS	\$29,200.00	\$29,200.00	
206.1000	Excavation for Structures Bridges (structure) 01. Structure B-15-26	1	LS	\$26,500.00	\$26,500.00	
206.5000	Cofferdams (structure) 01. Structure B-15-26	1	LS	\$16,500.00	\$16,500.00	
210.1500	Backfill Structure Type A	330	TON	\$37.00	\$12,210.00	
502.0100	Concrete Masonry Bridges	122	CY	\$620.00	\$75,640.00	
502.3200	Protective Surface Treatment	193	SY	\$4.60	\$887.80	
505.0400	Bar Steel Reinforcement HS Structures	5900	LB	\$1.10	\$6,490.00	
505.0600	Bar Steel Reinforcement HS Coated Structures	10500	LB	\$1.10	\$11,550.00	
506.2605	Bearing Pads Elastomeric Non-Laminated	18	EACH	\$170.00	\$3,060.00	
513.7083	Railing Steel Type NY3 (structure) 01. Structure B-15-26	89	LF	\$330.00	\$29,370.00	
516.0500	Rubberized Membrane Waterproofing	20	SY	\$50.00	\$1,000.00	
550.0020	Pre-Boring Rock or Consolidated Materials	210	LF	\$130.00	\$27,300.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb	238	LF	\$33.00	\$7,854.00	
606.0300	Riprap Heavy	90	CY	\$50.00	\$4,500.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	160	LF	\$13.00	\$2,080.00	
645.0120	Geotextile Type HR	190	SY	\$4.60	\$874.00	
SPV.0090	01. 16 Gauge Galvanized Metal Flashing	71	LF	\$30.00	\$2,130.00	
SPV.0090	02. Prestressed Girders Box Type 17-Inch	347	LF	\$320.00	\$111,040.00	

619.1000 Mobilization 0.11 EACH \$315,000.00 = \$33,841.59

Total Bridge Cost \$402,027.39	Total Bridge Cost per SF \$239.30	Br Manual Bridge Cost \$372,827.39	Br Manual Bridge Cost per SF \$221.92
FHWA Bridge Cost	FHWA Bridge Cost per SF	Super. Only Cost pSF \$110.52	Substructure Only Cost pSF \$111.40
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B150026

Superstructure Bid Items

BRIDGE

Prestressed Box Girder

State of Wisconsin
Department of Transportation

502.0100	Concrete Masonry Bridges	52	CY	\$620.00	\$32,240.00
502.3200	Protective Surface Treatment	193	SY	\$4.60	\$887.80
505.0600	Bar Steel Reinforcement HS Coated Structures	9100	LB	\$1.10	\$10,010.00
513.7083	Railing Steel Type NY3 (structure) 01. Structure B-1	89	LF	\$330.00	\$29,370.00
SPV.0090	01. 16 Gauge Galvanized Metal Flashing	71	LF	\$30.00	\$2,130.00
SPV.0090	02. Prestressed Girders Box Type 17-Inch	347	LF	\$320.00	\$111,040.00

Structure ID	Project Contract ID	Letting Date	Proposal No.	Plans Sign Date	Crossing:
B500087	8695-03-70	5/9/2017	20170509035	2/20/2017	Stream
Designer	Contractor		No. of Spans	Span Lengths (ft)	
Omnni Assoc	LARSON CONSTRUCTION CO., INC.		1	36	
Abut Type	Pier Type	Width (ft)	Length (ft)	Area (SF)	Wall Length (ft)
A1		32.5	38.5	1251	
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC:
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert.Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$419,897.42

B500087		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 01	1	LS	\$13,000.00	\$13,000.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-50-87	1	LS	\$12,500.00	\$12,500.00	
210.1500	Backfill Structure Type A	200	TON	\$30.00	\$6,000.00	
502.0100	Concrete Masonry Bridges	148	CY	\$537.00	\$79,476.00	
502.3200	Protective Surface Treatment	176	SY	\$4.00	\$704.00	
505.0400	Bar Steel Reinforcement HS Structures	3740	LB	\$1.00	\$3,740.00	
505.0600	Bar Steel Reinforcement HS Coated Structures	18160	LB	\$1.00	\$18,160.00	
513.4061	Railing Tubular Type M (structure) 01. B-50-87	121	LF	\$240.00	\$29,040.00	
516.0500	Rubberized Membrane Waterproofing	18	SY	\$45.00	\$810.00	
550.2108	Piling CIP Concrete 10 3/4 X 0.50-Inch	375	LF	\$55.00	\$20,625.00	
606.0300	Riprap Heavy	110	CY	\$69.00	\$7,590.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	120	LF	\$7.00	\$840.00	
645.0120	Geotextile Type HR	172	SY	\$3.00	\$516.00	

619.1000	Mobilization	0.52	EACH	\$48,525.00	=	\$25,218.28
Total Bridge Cost	Total Bridge Cost per SF	Br Manual Bridge Cost	Br Manual Bridge Cost per SF			
\$218,219.28	\$174.44	\$205,219.28	\$164.04			
FHWA Bridge Cost	FHWA Bridge Cost per SF	Super. Only Cost pSF	Substructure Only Cost pSF			
		\$93.37	\$70.67			
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF			
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF			
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm			

B500087		Superstructure Bid Items			
203.0600.S	Removing Old Structure Over Waterway With Mini	1	LS	\$13,000.00	\$13,000.00
206.1000	Excavation for Structures Bridges (structure) 01. B-	1	LS	\$12,500.00	\$12,500.00
502.0100	Concrete Masonry Bridges	86	CY	\$537.00	\$46,182.00
502.3200	Protective Surface Treatment	176	SY	\$4.00	\$704.00
505.0600	Bar Steel Reinforcement HS Coated Structures	15380	LB	\$1.00	\$15,380.00

513.4061	Railing Tubular Type M (structure) 01. B-50-87	121 LF	\$240.00	\$29,040.00
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BRIDGE

Concrete Flat Slab

State of Wisconsin
Department of Transportation

Structure ID B110157	Project Contract ID 6020-04-81	Letting Date 6/13/2017	Proposal No. 20170613005	Plans Sign Date 2/20/2017	Crossing: Stream
Designer WisDOT BOS	Contractor CONCRETE STRUCTURES, INC.		No. of Spans 1	Span Lengths (ft) 48	
Abut Type A1	Pier Type	Width (ft) 46.896	Length (ft) 51.167	Area (SF) 2400	Wall Length (ft)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC: B110861
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$669,702.02

B110157		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0700.S	Removing Old Structure Over Waterway With Debris Capture Sys 01	1	LS	\$21,500.00	\$21,500.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-11-157	1	LS	\$10,000.00	\$10,000.00	
210.1500	Backfill Structure Type A	201	TON	\$20.00	\$4,020.00	
305.0120	Base Aggregate Dense 1 1/4-Inch	2434	TON	\$13.50	\$32,859.00	
502.0100	Concrete Masonry Bridges	428	CY	\$600.00	\$256,800.00	
502.3200	Protective Surface Treatment	461	SY	\$4.00	\$1,844.00	
502.3210	Pigmented Surface Sealer	75	SY	\$5.00	\$375.00	
505.0400	Bar Steel Reinforcement HS Structures	6110	LB	\$0.90	\$5,499.00	
505.0600	Bar Steel Reinforcement HS Coated Structures	59320	LB	\$1.00	\$59,320.00	
505.0800.S	Bar Steel Reinforcement HS Stainless Structures	440	LB	\$4.00	\$1,760.00	
516.0500	Rubberized Membrane Waterproofing	24	SY	\$32.00	\$768.00	
550.0500	Pile Points	20	EACH	\$125.00	\$2,500.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb	600	LF	\$35.00	\$21,000.00	
606.0300	Riprap Heavy	205	CY	\$50.00	\$10,250.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	185	LF	\$8.00	\$1,480.00	
614.0150	Anchor Assemblies for Steel Plate Beam Guard	4	EACH	\$300.00	\$1,200.00	
645.0120	Geotextile Type HR	345	SY	\$3.00	\$1,035.00	

619.1000 Mobilization 0.67 EACH \$25,450.00 = \$17,073.67

Total Bridge Cost \$449,283.67	Total Bridge Cost per SF \$187.20	Br Manual Bridge Cost \$427,783.67	Br Manual Bridge Cost per SF \$178.24
FHWA Bridge Cost \$399,425.00	FWHA Bridge Cost per SF \$166.43	Super. Only Cost pSF \$66.35	Substructure Only Cost pSF \$111.89
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B110157		Superstructure Bid Items			
502.0100	Concrete Masonry Bridges	205	CY	\$600.00	\$123,000.00

BRIDGE

Concrete Flat Slab

State of Wisconsin
Department of Transportation

502.3200	Protective Surface Treatment	241 SY	\$4.00	\$964.00
502.3210	Pigmented Surface Sealer	41 SY	\$5.00	\$205.00
505.0600	Bar Steel Reinforcement HS Coated Structures	35080 LB	\$1.00	\$35,080.00

BRIDGE

Prestressed I-Girder

State of Wisconsin
Department of Transportation

Structure ID B280183	Project Contract ID 3576-02-81	Letting Date 6/13/2017	Proposal No. 20170613002	Plans Sign Date 2/20/2017	Crossing: Stream
Designer AECOM	Contractor LUNDA CONSTRUCTION COMPANY			No. of Spans 1	Span Lengths (ft) 89
Abut Type A1	Pier Type	Width (ft) 38.896	Length (ft) 92.83	Area (SF) 3611	Wall Length (ft)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC: B280008
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$780,731.48

B280183		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 01	1 LS		\$90,000.00	\$90,000.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-28-183	1 LS		\$4,000.00	\$4,000.00	
210.1500	Backfill Structure Type A	400 TON		\$18.00	\$7,200.00	
502.0100	Concrete Masonry Bridges	260 CY		\$650.00	\$169,000.00	
502.3200	Protective Surface Treatment	370 SY		\$2.50	\$925.00	
502.3210	Pigmented Surface Sealer	100 SY		\$3.00	\$300.00	
503.0146	Prestressed Girder Type I 45W-Inch	360 LF		\$175.00	\$63,000.00	
505.0400	Bar Steel Reinforcement HS Structures	4260 LB		\$1.00	\$4,260.00	
505.0600	Bar Steel Reinforcement HS Coated Structures	31830 LB		\$1.20	\$38,196.00	
506.2605	Bearing Pads Elastomeric Non-Laminated	8 EACH		\$100.00	\$800.00	
506.4000	Steel Diaphragms (structure) 01. B-28-183	6 EACH		\$450.00	\$2,700.00	
516.0500	Rubberized Membrane Waterproofing	24 SY		\$25.00	\$600.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb	900 LF		\$35.00	\$31,500.00	
606.0300	Riprap Heavy	330 CY		\$48.00	\$15,840.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	160 LF		\$8.00	\$1,280.00	
614.0150	Anchor Assemblies for Steel Plate Beam Guard	4 EACH		\$100.00	\$400.00	
645.0120	Geotextile Type HR	620 SY		\$4.50	\$2,790.00	

619.1000 Mobilization 0.58 EACH \$29,532.60 = \$17,014.73

Total Bridge Cost \$449,805.73	Total Bridge Cost per SF \$124.57	Br Manual Bridge Cost \$359,805.73	Br Manual Bridge Cost per SF \$99.64
FHWA Bridge Cost	FWHA Bridge Cost per SF	Super. Only Cost pSF \$57.43	Substructure Only Cost pSF \$42.21
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B280183		Superstructure Bid Items			
502.0100	Concrete Masonry Bridges	166	CY	\$650.00	\$107,900.00

BRIDGE

Prestressed I-Girder

State of Wisconsin
Department of Transportation

502.3200	Protective Surface Treatment	370 SY	\$2.50	\$925.00
502.3210	Pigmented Surface Sealer	80 SY	\$3.00	\$240.00
503.0146	Prestressed Girder Type I 45W-Inch	360 LF	\$175.00	\$63,000.00
505.0600	Bar Steel Reinforcement HS Coated Structures	27170 LB	\$1.20	\$32,604.00
506.4000	Steel Diaphragms (structure) 01. B-28-183	6 EACH	\$450.00	\$2,700.00

BRIDGE

Prestressed I-Girder

State of Wisconsin
Department of Transportation

Structure ID B340050	Project Contract ID 9175-06-70	Letting Date 6/13/2017	Proposal No. 20170613035	Plans Sign Date 1/30/2017	Crossing: Stream
Designer WisDOT BOS	Contractor PHEIFER BROTHERS CONSTRUCTION CO., I			No. of Spans 1	Span Lengths (ft) 131
Abut Type A1	Pier Type	Width (ft) 34.896	Length (ft) 134.83	Area (SF) 4705	Wall Length (ft)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC:
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$1,092,082.57

B340050		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 01	1	LS	\$109,500.00	\$109,500.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-34-50	1	LS	\$45,200.00	\$45,200.00	
210.1100	Backfill Structure Type A	624	CY	\$26.00	\$16,224.00	
502.0100	Concrete Masonry Bridges	317	CY	\$532.27	\$168,729.59	
502.3200	Protective Surface Treatment	475	SY	\$4.50	\$2,137.50	
502.3210	Pigmented Surface Sealer	162	SY	\$9.10	\$1,474.20	
503.0155	Prestressed Girder Type I 54W-Inch	924	LF	\$200.00	\$184,800.00	
505.0400	Bar Steel Reinforcement HS Structures	4410	LB	\$0.90	\$3,969.00	
505.0600	Bar Steel Reinforcement HS Coated Structures	37225	LB	\$0.95	\$35,363.75	
506.2605	Bearing Pads Elastomeric Non-Laminated	14	EACH	\$140.00	\$1,960.00	
506.4000	Steel Diaphragms (structure) 01. B-34-50	12	EACH	\$670.00	\$8,040.00	
516.0500	Rubberized Membrane Waterproofing	22	SY	\$49.00	\$1,078.00	
550.2108	Piling CIP Concrete 10 3/4 X 0.50-Inch	1400	LF	\$61.00	\$85,400.00	
606.0300	Riprap Heavy	275	CY	\$55.00	\$15,125.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	170	LF	\$7.00	\$1,190.00	
614.0150	Anchor Assemblies for Steel Plate Beam Guard	4	EACH	\$240.00	\$960.00	
645.0120	Geotextile Type HR	370	SY	\$4.50	\$1,665.00	

619.1000 Mobilization 0.65 EACH \$45,928.64 = \$29,977.24

Total Bridge Cost \$712,793.28	Total Bridge Cost per SF \$151.50	Br Manual Bridge Cost \$603,293.28	Br Manual Bridge Cost per SF \$128.22
FHWA Bridge Cost	FWHA Bridge Cost per SF	Super. Only Cost pSF \$74.10	Substructure Only Cost pSF \$54.12
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B340050		Superstructure Bid Items			
502.0100	Concrete Masonry Bridges	227	CY	\$532.27	\$120,825.29

502.3200	Protective Surface Treatment	475 SY	\$4.50	\$2,137.50
502.3210	Pigmented Surface Sealer	130 SY	\$9.10	\$1,183.00
503.0155	Prestressed Girder Type I 54W-Inch	924 LF	\$200.00	\$184,800.00
505.0600	Bar Steel Reinforcement HS Coated Structures	31255 LB	\$0.95	\$29,692.25
506.2605	Bearing Pads Elastomeric Non-Laminated	14 EACH	\$140.00	\$1,960.00
506.4000	Steel Diaphragms (structure) 01. B-34-50	12 EACH	\$670.00	\$8,040.00

BRIDGE

Concrete Flat Slab

State of Wisconsin
Department of Transportation

Structure ID B360218	Project Contract ID 4313-08-71	Letting Date 7/11/2017	Proposal No. 20170711013	Plans Sign Date 2/23/2017	Crossing: Stream
Designer EXP US Services	Contractor PHEIFER BROTHERS CONSTRUCTION CO., I			No. of Spans 1	Span Lengths (ft) 45
Abut Type A1	Pier Type	Width (ft) 32.6	Length (ft) 47.542	Area (SF) 1550	Wall Length (ft)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC:
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$299,999.98

B360218		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0500.S	Removing Old Structure Over Waterway (station) 01. STA 12+98.94	1 LS		\$23,500.00	\$23,500.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-36-218	1 LS		\$9,700.00	\$9,700.00	
210.1500	Backfill Structure Type A	260 TON		\$19.90	\$5,174.00	
502.0100	Concrete Masonry Bridges	185 CY		\$400.00	\$74,000.00	
502.3200	Protective Surface Treatment	226 SY		\$4.50	\$1,017.00	
505.0400	Bar Steel Reinforcement HS Structures	4160 LB		\$0.98	\$4,076.80	
505.0600	Bar Steel Reinforcement HS Coated Structures	24470 LB		\$0.95	\$23,246.50	
513.4061	Railing Tubular Type M (structure) 01. B-36-218	140 LF		\$260.00	\$36,400.00	
516.0500	Rubberized Membrane Waterproofing	20 SY		\$49.00	\$980.00	
550.0500	Pile Points	12 EACH		\$120.00	\$1,440.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb	780 LF		\$31.00	\$24,180.00	
606.0300	Riprap Heavy	230 CY		\$57.00	\$13,110.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	150 LF		\$6.00	\$900.00	
645.0120	Geotextile Type HR	460 SY		\$4.50	\$2,070.00	
619.1000	Mobilization	0.79	EACH	\$20,092.84	=	\$15,777.70

Total Bridge Cost \$235,572.00	Total Bridge Cost per SF \$151.98	Br Manual Bridge Cost \$212,072.00	Br Manual Bridge Cost per SF \$136.82
FHWA Bridge Cost	FWHA Bridge Cost per SF	Super. Only Cost pSF \$61.67	Substructure Only Cost pSF \$75.15
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B360218		Superstructure Bid Items			
502.0100	Concrete Masonry Bridges	123	CY	\$400.00	\$49,200.00
502.3200	Protective Surface Treatment	200	SY	\$4.50	\$900.00
505.0600	Bar Steel Reinforcement HS Coated Structures	21610	LB	\$0.95	\$20,529.50
513.4061	Railing Tubular Type M (structure) 01. B-36-218	96	LF	\$260.00	\$24,960.00

BRIDGE

Concrete Flat Slab

State of Wisconsin
Department of Transportation

Structure ID B360222	Project Contract ID 4313-10-71	Letting Date 7/11/2017	Proposal No. 20170711014	Plans Sign Date 2/24/2017	Crossing: Stream
Designer Jewell	Contractor RADTKE CONTRACTORS INC.			No. of Spans 1	Span Lengths (ft) 40
Abut Type A5	Pier Type	Width (ft) 32.5	Length (ft) 42.58	Area (SF) 1384	Wall Length (ft)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC:
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)	\$302,362.88	

B360222		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0500.S	Removing Old Structure Over Waterway (station) 01. 11+97	1	LS	\$18,554.97	\$18,554.97	
206.1000	Excavation for Structures Bridges (structure) 01. B-36-0222	1	LS	\$5,910.79	\$5,910.79	
210.1500	Backfill Structure Type A	270	TON	\$20.08	\$5,421.60	
502.0100	Concrete Masonry Bridges	157	CY	\$483.09	\$75,845.13	
502.3200	Protective Surface Treatment	170	SY	\$2.92	\$496.40	
505.0400	Bar Steel Reinforcement HS Structures	4860	LB	\$1.08	\$5,248.80	
505.0600	Bar Steel Reinforcement HS Coated Structures	19670	LB	\$0.96	\$18,883.20	
513.4061	Railing Tubular Type M (structure) 01. B-36-0222	87	LF	\$211.48	\$18,398.76	
516.0500	Rubberized Membrane Waterproofing	14	SY	\$40.07	\$560.98	
550.2104	Piling CIP Concrete 10 3/4 X 0.25-Inch	1120	LF	\$31.41	\$35,179.20	
606.0200	Riprap Medium	160	CY	\$43.88	\$7,020.80	
612.0406	Pipe Underdrain Wrapped 6-Inch	150	LF	\$3.70	\$555.00	
645.0120	Geotextile Type HR	260	SY	\$3.53	\$917.80	

619.1000 Mobilization 0.74 EACH \$40,189.55 = \$29,584.70

Total Bridge Cost \$222,578.13	Total Bridge Cost per SF \$160.82	Br Manual Bridge Cost \$204,023.16	Br Manual Bridge Cost per SF \$147.42
FHWA Bridge Cost	FWHA Bridge Cost per SF	Super. Only Cost pSF \$59.95	Substructure Only Cost pSF \$87.47
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B360222		Superstructure Bid Items			
502.0100	Concrete Masonry Bridges	99	CY	\$483.09	\$47,825.91
502.3200	Protective Surface Treatment	170	SY	\$2.92	\$496.40
505.0600	Bar Steel Reinforcement HS Coated Structures	16920	LB	\$0.96	\$16,243.20
513.4061	Railing Tubular Type M (structure) 01. B-36-0222	87	LF	\$211.48	\$18,398.76

BRIDGE

Concrete Flat Slab

State of Wisconsin
Department of Transportation

Structure ID B410301	Project Contract ID 5016-00-70	Letting Date 7/11/2017	Proposal No. 20170711005	Plans Sign Date 5/3/2017	Crossing: Stream
Designer Ayres Associates	Contractor LARSON CONSTRUCTION CO., INC.		No. of Spans 1	Span Lengths (ft) 34	
Abut Type A1	Pier Type	Width (ft) 26.5	Length (ft) 36.5	Area (SF) 967	Wall Length (ft)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC:
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$234,404.38

B410301		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 01	1	LS	\$14,000.00	\$14,000.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-41-301	1	LS	\$12,000.00	\$12,000.00	
210.1500	Backfill Structure Type A	160	TON	\$26.00	\$4,160.00	
502.0100	Concrete Masonry Bridges	130	CY	\$405.00	\$52,650.00	
502.3200	Protective Surface Treatment	130	SY	\$3.00	\$390.00	
505.0400	Bar Steel Reinforcement HS Structures	3140	LB	\$1.15	\$3,611.00	
505.0600	Bar Steel Reinforcement HS Coated Structures	13870	LB	\$1.15	\$15,950.50	
513.4061	Railing Tubular Type M (structure) 01. B-41-301	114	LF	\$200.00	\$22,800.00	
516.0500	Rubberized Membrane Waterproofing	16	SY	\$45.00	\$720.00	
550.0500	Pile Points	8	EACH	\$100.00	\$800.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb	160	LF	\$39.00	\$6,240.00	
606.0300	Riprap Heavy	120	CY	\$55.00	\$6,600.00	
606.0700	Grouted Riprap Heavy	10	CY	\$90.00	\$900.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	134	LF	\$9.00	\$1,206.00	
645.0120	Geotextile Type HR	275	SY	\$3.00	\$825.00	
619.1000	Mobilization	0.69	EACH	\$26,205.00	=	\$17,980.12

Total Bridge Cost \$160,832.62	Total Bridge Cost per SF \$166.32	Br Manual Bridge Cost \$146,832.62	Br Manual Bridge Cost per SF \$151.84
FHWA Bridge Cost	FHWA Bridge Cost per SF	Super. Only Cost pSF \$55.73	Substructure Only Cost pSF \$96.12
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B410301		Superstructure Bid Items			
502.0100	Concrete Masonry Bridges	64	CY	\$405.00	\$25,920.00
502.3200	Protective Surface Treatment	130	SY	\$3.00	\$390.00
505.0600	Bar Steel Reinforcement HS Coated Structures	11110	LB	\$1.15	\$12,776.50

513.4061	Railing Tubular Type M (structure) 01. B-41-301	74 LF	\$200.00	\$14,800.00
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Structure ID	Project Contract ID	Letting Date	Proposal No.	Plans Sign Date	Crossing:
B500088	9894-00-71	7/11/2017	20170711016	11/18/2016	Stream
Designer	Contractor		No. of Spans	Span Lengths (ft)	
Jewell	LARSON CONSTRUCTION CO., INC.		1	66	
Abut Type	Pier Type	Width (ft)	Length (ft)	Area (SF)	Wall Length (ft)
A5		26.5	68.667	1820	
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC:
					P500051
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert.Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$407,567.88

B500088		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 01	1	LS	\$15,000.00	\$15,000.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-50-0088	1	LS	\$12,000.00	\$12,000.00	
210.1500	Backfill Structure Type A	280	TON	\$26.40	\$7,392.00	
502.0100	Concrete Masonry Bridges	124	CY	\$650.00	\$80,600.00	
502.3200	Protective Surface Treatment	230	SY	\$3.00	\$690.00	
503.0136	Prestressed Girder Type I 36-Inch	268	LF	\$255.00	\$68,340.00	
505.0400	Bar Steel Reinforcement HS Structures	4280	LB	\$1.30	\$5,564.00	
505.0600	Bar Steel Reinforcement HS Coated Structures	16610	LB	\$1.30	\$21,593.00	
506.2605	Bearing Pads Elastomeric Non-Laminated	8	EACH	\$65.00	\$520.00	
506.4000	Steel Diaphragms (structure) 01. B-50-0088	3	EACH	\$1,000.00	\$3,000.00	
513.4061	Railing Tubular Type M (structure) 01. B-50-0088	141	LF	\$200.00	\$28,200.00	
516.0500	Rubberized Membrane Waterproofing	12	SY	\$47.00	\$564.00	
550.2104	Piling CIP Concrete 10 3/4 X 0.25-Inch	540	LF	\$31.00	\$16,740.00	
606.0300	Riprap Heavy	170	CY	\$56.00	\$9,520.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	150	LF	\$9.00	\$1,350.00	
645.0120	Geotextile Type HR	280	SY	\$3.00	\$840.00	

619.1000	Mobilization	0.75	EACH	\$44,450.00	=	\$33,285.42
Total Bridge Cost	Total Bridge Cost per SF	Br Manual Bridge Cost	Br Manual Bridge Cost per SF			
\$305,198.42	\$167.69	\$290,198.42	\$159.45			
FHWA Bridge Cost	FWHA Bridge Cost per SF	Super. Only Cost pSF	Substructure Only Cost pSF			
		\$88.80	\$70.65			
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF			
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF			
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm			

B500088		Superstructure Bid Items			
502.0100	Concrete Masonry Bridges	66	CY	\$650.00	\$42,900.00
502.3200	Protective Surface Treatment	230	SY	\$3.00	\$690.00

BRIDGE

Prestressed I-Girder

State of Wisconsin
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503.0136	Prestressed Girder Type I 36-Inch	268 LF	\$255.00	\$68,340.00
505.0600	Bar Steel Reinforcement HS Coated Structures	13820 LB	\$1.30	\$17,966.00
506.2605	Bearing Pads Elastomeric Non-Laminated	8 EACH	\$65.00	\$520.00
506.4000	Steel Diaphragms (structure) 01. B-50-0088	3 EACH	\$1,000.00	\$3,000.00
513.4061	Railing Tubular Type M (structure) 01. B-50-0088	141 LF	\$200.00	\$28,200.00

BRIDGE

Prestressed I-Girder

State of Wisconsin
Department of Transportation

Structure ID B530330	Project Contract ID 1005-10-76	Letting Date 7/11/2017	Proposal No. 20170711001	Plans Sign Date 2/24/2017	Crossing: Grade
Designer Westbrook Assoc	Contractor ROCK ROAD COMPANIES, INC		No. of Spans 1	Span Lengths (ft) 68	
Abut Type A1	Pier Type	Width (ft) 174.958	Length (ft) 72.541	Area (SF) 12692	Wall Length (ft)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC:
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$54,483,394.79

B530330		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0200	Removing Old Structure (station) 001. Sta. 779+13'SB'		1 LS	\$75,000.00	\$75,000.00	
203.0225.S	Debris Containment (structure) 001. B-53-0061		1 LS	\$0.01	\$0.01	
206.1000	Excavation for Structures Bridges (structure) 001. B-53-0330		1 LS	\$19,840.19	\$19,840.19	
210.1500	Backfill Structure Type A		560 TON	\$9.84	\$5,510.40	
305.0120	Base Aggregate Dense 1 1/4-Inch		540 TON	\$7.42	\$4,006.80	
501.1000.S	Ice Hot Weather Concreting		4790 LB	\$0.01	\$47.90	
502.0100	Concrete Masonry Bridges **P**		202 CY	\$505.00	\$102,010.00	
502.3200	Protective Surface Treatment **P**		1053 SY	\$2.50	\$2,632.50	
502.3210	Pigmented Surface Sealer **P**		110 SY	\$7.50	\$825.00	
503.0137	Prestressed Girder Type I 36W-Inch **P**		759 LF	\$145.00	\$110,055.00	
505.0400	Bar Steel Reinforcement HS Structures **P**		11070 LB	\$0.84	\$9,298.80	
505.0600	Bar Steel Reinforcement HS Coated Structures **P**		81480 LB	\$0.97	\$79,035.60	
505.0800.S	Bar Steel Reinforcement HS Stainless Structures **P**		3270 LB	\$2.92	\$9,548.40	
506.2605	Bearing Pads Elastomeric Non-Laminated **P**		22 EACH	\$100.00	\$2,200.00	
506.4000	Steel Diaphragms (structure) 001. B-53-0330 **P**		10 EACH	\$480.00	\$4,800.00	
516.0500	Rubberized Membrane Waterproofing **P**		36 SY	\$25.00	\$900.00	
517.1010.S	Concrete Staining (structure) 001. B-53-0330 **P**		3343 SF	\$1.04	\$3,476.72	
517.1050.S	Architectural Surface Treatment (structure) 001. B-53-0330 **P**		956 SF	\$6.00	\$5,736.00	
550.2126	Piling CIP Concrete 12 3/4 X 0.375-Inch		910 LF	\$48.00	\$43,680.00	
604.0400	Slope Paving Concrete		62 SY	\$52.00	\$3,224.00	
612.0406	Pipe Underdrain Wrapped 6-Inch		220 LF	\$6.90	\$1,518.00	
614.0150	Anchor Assemblies for Steel Plate Beam Guard **P**		2 EACH	\$225.00	\$450.00	
652.0125	Conduit Rigid Metallic 2-Inch **P**		58 LF	\$40.00	\$2,320.00	
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch **P**		379 LF	\$5.00	\$1,895.00	
653.0220	Junction Boxes 18x6x6-Inch		6 EACH	\$900.00	\$5,400.00	
SPV.0035	700. High Performance Concrete (HPC) Masonry Structures **P**		434 CY	\$610.00	\$264,740.00	
SPV.0165	700. Longitudinal Grooving Bridge Deck * **P**		9063 SF	\$0.50	\$4,531.50	
SPV.0195	700. Excavation, Hauling, and Disposal of Contaminated Soil		570 TON	\$44.10	\$25,137.00	
619.1000	Mobilization	0.01	EACH	\$1,623,204.00	=	\$24,191.94

BRIDGE

Prestressed I-Girder

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Total Bridge Cost \$812,010.76	Total Bridge Cost per SF \$63.98	Br Manual Bridge Cost \$737,010.76	Br Manual Bridge Cost per SF \$58.07
FHWA Bridge Cost \$678,066.81	FHWA Bridge Cost per SF \$53.42	Super. Only Cost pSF \$26.30	Substructure Only Cost pSF \$31.77
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B530330	Superstructure Bid Items			
502.3200	Protective Surface Treatment **P**	687 SY	\$2.50	\$1,717.50
502.3210	Pigmented Surface Sealer **P**	70 SY	\$7.50	\$525.00
503.0137	Prestressed Girder Type I 36W-Inch **P**	759 LF	\$145.00	\$110,055.00
505.0600	Bar Steel Reinforcement HS Coated Structures **P	42390 LB	\$0.97	\$41,118.30
505.0800.S	Bar Steel Reinforcement HS Stainless Structures **	3270 LB	\$2.92	\$9,548.40
506.4000	Steel Diaphragms (structure) 001. B-53-0330 **P*	10 EACH	\$480.00	\$4,800.00
517.1010.S	Concrete Staining (structure) 001. B-53-0330 **P*	1695 SF	\$1.04	\$1,762.80
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch **P*	199 LF	\$5.00	\$995.00
653.0220	Junction Boxes 18x6x6-Inch	6 EACH	\$900.00	\$5,400.00
SPV.0035	700. High Performance Concrete (HPC) Mas onry S	254 CY	\$610.00	\$154,940.00
SPV.0165	700. Longitudinal Grooving Bridge Deck * **P**	5783 SF	\$0.50	\$2,891.50

BRIDGE

Prestressed I-Girder

State of Wisconsin
Department of Transportation

Structure ID B530331	Project Contract ID 1005-10-76	Letting Date 7/11/2017	Proposal No. 20170711001	Plans Sign Date 2/24/2017	Crossing: Grade
Designer Westbrook Assoc	Contractor ROCK ROAD COMPANIES, INC		No. of Spans 1	Span Lengths (ft) 68	
Abut Type A1	Pier Type	Width (ft) 174.958	Length (ft) 72.517	Area (SF) 12687	Wall Length (ft)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC:
Sign Type	Arm Type	Upright Type		Foundation Type	Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)		Max. Sign Depth (ft)	\$54,483,394.79

B530331		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0200	Removing Old Structure (station) 002. Sta. 779+04		1 LS	\$120,000.00	\$120,000.00	
203.0225.S	Debris Containment (structure) 002. B-53-0062		1 LS	\$0.01	\$0.01	
206.1000	Excavation for Structures Bridges (structure) 002. B-53-0331		1 LS	\$19,840.19	\$19,840.19	
210.1500	Backfill Structure Type A		1000 TON	\$9.84	\$9,840.00	
305.0120	Base Aggregate Dense 1 1/4-Inch		540 TON	\$7.42	\$4,006.80	
501.1000.S	Ice Hot Weather Concreting		5350 LB	\$0.01	\$53.50	
502.0100	Concrete Masonry Bridges **P**		276 CY	\$505.00	\$139,380.00	
502.3200	Protective Surface Treatment **P**		1053 SY	\$2.50	\$2,632.50	
502.3210	Pigmented Surface Sealer **P**		110 SY	\$7.50	\$825.00	
503.0137	Prestressed Girder Type I 36W-Inch **P**		759 LF	\$145.00	\$110,055.00	
505.0400	Bar Steel Reinforcement HS Structures **P**		14180 LB	\$0.84	\$11,911.20	
505.0600	Bar Steel Reinforcement HS Coated Structures **P**		82380 LB	\$0.97	\$79,908.60	
505.0800.S	Bar Steel Reinforcement HS Stainless Structures **P**		3270 LB	\$2.92	\$9,548.40	
506.2605	Bearing Pads Elastomeric Non-Laminated **P**		22 EACH	\$100.00	\$2,200.00	
506.4000	Steel Diaphragms (structure) 002. B-53-0331 **P**		10 EACH	\$480.00	\$4,800.00	
511.1200	Temporary Shoring (structure) 001. B-53-0331		980 SF	\$28.00	\$27,440.00	
516.0500	Rubberized Membrane Waterproofing **P**		42 SY	\$25.00	\$1,050.00	
517.1010.S	Concrete Staining (structure) 002. B-53-0331 **P**		3960 SF	\$1.04	\$4,118.40	
517.1050.S	Architectural Surface Treatment (structure) 002. B-53-0331 **P**		1583 SF	\$6.00	\$9,498.00	
550.2126	Piling CIP Concrete 12 3/4 X 0.375-Inch		980 LF	\$48.00	\$47,040.00	
604.0400	Slope Paving Concrete		66 SY	\$52.00	\$3,432.00	
612.0406	Pipe Underdrain Wrapped 6-Inch		230 LF	\$6.90	\$1,587.00	
614.0150	Anchor Assemblies for Steel Plate Beam Guard **P**		1 EACH	\$225.00	\$225.00	
652.0125	Conduit Rigid Metallic 2-Inch **P**		38 LF	\$40.00	\$1,520.00	
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch **P**		253 LF	\$5.00	\$1,265.00	
653.0222	Junction Boxes 18x12x6-Inch		4 EACH	\$850.00	\$3,400.00	
SPV.0035	700. High Performance Concrete (HPC) Masonry Structures **P**		434 CY	\$610.00	\$264,740.00	
SPV.0165	700. Longitudinal Grooving Bridge Deck * **P**		9063 SF	\$0.50	\$4,531.50	
SPV.0195	700. Excavation, Hauling, and Disposal of Contaminated Soil		540 TON	\$44.10	\$23,814.00	

BRIDGE

Prestressed I-Girder

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619.1000 Mobilization		0.02 EACH	\$1,623,204.00 =	\$27,902.74
Total Bridge Cost	Total Bridge Cost per SF	Br Manual Bridge Cost	Br Manual Bridge Cost per SF	
\$936,564.84	\$73.82	\$816,564.84	\$64.36	
FHWA Bridge Cost	FHWA Bridge Cost per SF	Super. Only Cost pSF	Substructure Only Cost pSF	
\$758,663.09	\$59.80	\$38.29	\$26.07	
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF	
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF	
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm	

B530331	Superstructure Bid Items			
502.3200	Protective Surface Treatment **P**	1053 SY	\$2.50	\$2,632.50
502.3210	Pigmented Surface Sealer **P**	110 SY	\$7.50	\$825.00
503.0137	Prestressed Girder Type I 36W-Inch **P**	759 LF	\$145.00	\$110,055.00
505.0600	Bar Steel Reinforcement HS Coated Structures **P	82380 LB	\$0.97	\$79,908.60
505.0800.S	Bar Steel Reinforcement HS Stainless Structures **	3270 LB	\$2.92	\$9,548.40
506.4000	Steel Diaphragms (structure) 002. B-53-0331 **P*	10 EACH	\$480.00	\$4,800.00
517.1010.S	Concrete Staining (structure) 002. B-53-0331 **P*	3960 SF	\$1.04	\$4,118.40
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch **P*	253 LF	\$5.00	\$1,265.00
653.0222	Junction Boxes 18x12x6-Inch	4 EACH	\$850.00	\$3,400.00
SPV.0035	700. High Performance Concrete (HPC) Mas onry S	434 CY	\$610.00	\$264,740.00
SPV.0165	700. Longitudinal Grooving Bridge Deck * *P**	9063 SF	\$0.50	\$4,531.50

BRIDGE

Prestressed I-Girder

State of Wisconsin
Department of Transportation

Structure ID B530332	Project Contract ID 1005-10-76	Letting Date 7/11/2017	Proposal No. 20170711001	Plans Sign Date 2/23/2017	Crossing: Stream
Designer WisDOT BOS	Contractor ROCK ROAD COMPANIES, INC		No. of Spans 1	Span Lengths (ft) 110	
Abut Type A1	Pier Type	Width (ft) 74.958	Length (ft) 114.5	Area (SF) 8583	Wall Length (ft) Retaining Wall Area (SF)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC:
Sign Type	Arm Type	Upright Type		Foundation Type	Total Project Cost \$54,483,394.79
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)		Max. Sign Depth (ft)	

B530332		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0500.S	Removing Old Structure Over Waterway (station) 001. Sta. 799+63'	1	LS	\$75,000.00	\$75,000.00	
206.1000	Excavation for Structures Bridges (structure) 003. B-53-0332	1	LS	\$6,170.60	\$6,170.60	
210.1500	Backfill Structure Type A	618	TON	\$9.84	\$6,081.12	
305.0120	Base Aggregate Dense 1 1/4-Inch	484	TON	\$7.42	\$3,591.28	
501.1000.S	Ice Hot Weather Concreting	5390	LB	\$0.01	\$53.90	
502.0100	Concrete Masonry Bridges **P**	208	CY	\$505.00	\$105,040.00	
502.3200	Protective Surface Treatment **P**	1260	SY	\$2.50	\$3,150.00	
502.3210	Pigmented Surface Sealer **P**	150	SY	\$7.50	\$1,125.00	
503.0146	Prestressed Girder Type I 45W-Inch **P**	1332	LF	\$135.00	\$179,820.00	
505.0400	Bar Steel Reinforcement HS Structures **P**	10430	LB	\$0.84	\$8,761.20	
505.0600	Bar Steel Reinforcement HS Coated Structures **P**	86430	LB	\$0.97	\$83,837.10	
505.0800.S	Bar Steel Reinforcement HS Stainless Structures **P**	2550	LB	\$2.92	\$7,446.00	
506.2605	Bearing Pads Elastomeric Non-Laminated **P**	24	EACH	\$100.00	\$2,400.00	
506.4000	Steel Diaphragms (structure) 003. B-53-0332 **P**	22	EACH	\$480.00	\$10,560.00	
511.1200	Temporary Shoring (structure) 002. B-53-0332	218	SF	\$30.00	\$6,540.00	
516.0500	Rubberized Membrane Waterproofing **P**	38	SY	\$25.00	\$950.00	
517.1010.S	Concrete Staining (structure) 003. B-53-0332 **P**	4259	SF	\$1.04	\$4,429.36	
517.1050.S	Architectural Surface Treatment (structure) 003. B-53-0332 **P**	784	SF	\$6.00	\$4,704.00	
550.2128	Piling CIP Concrete 12 3/4 X 0.50-Inch	3040	LF	\$56.00	\$170,240.00	
604.0400	Slope Paving Concrete	140	SY	\$52.00	\$7,280.00	
606.0300	Riprap Heavy	285	CY	\$50.00	\$14,250.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	220	LF	\$6.90	\$1,518.00	
614.0150	Anchor Assemblies for Steel Plate Beam Guard **P**	1	EACH	\$225.00	\$225.00	
645.0120	Geotextile Type HR	465	SY	\$3.00	\$1,395.00	
652.0125	Conduit Rigid Metallic 2-Inch **P**	72	LF	\$40.00	\$2,880.00	
652.0210	Conduit Rigid Nonmetallic Schedule 40 1-Inch **P**	20	LF	\$4.50	\$90.00	
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch **P**	411	LF	\$5.00	\$2,055.00	
653.0220	Junction Boxes 18x6x6-Inch	2	EACH	\$900.00	\$1,800.00	
653.0222	Junction Boxes 18x12x6-Inch	2	EACH	\$850.00	\$1,700.00	

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SPV.0035	700. High Performance Concrete (HPC) Mas onry Structures **P**	510 CY	\$610.00	\$311,100.00
SPV.0060	700. Junction Boxes 4x4x4-Inch	2 EACH	\$1,000.00	\$2,000.00
SPV.0165	700. Longitudinal Grooving Bridge Deck * **P**	10980 SF	\$0.50	\$5,490.00
SPV.0195	700. Excavation, Hauling, and Disposal o f Contaminated Soil	90 TON	\$44.10	\$3,969.00

619.1000 Mobilization 0.02 EACH \$1,623,204.00 = \$31,802.26

Total Bridge Cost	Total Bridge Cost per SF	Br Manual Bridge Cost	Br Manual Bridge Cost per SF
\$1,067,453.82	\$124.37	\$992,453.82	\$115.63
FHWA Bridge Cost	FHWA Bridge Cost per SF	Super. Only Cost pSF	Substructure Only Cost pSF
\$923,232.56	\$107.57	\$55.95	\$59.68
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B530332		Superstructure Bid Items		
501.1000.S	Ice Hot Weather Concreting	2640 LB	\$0.01	\$26.40
502.3200	Protective Surface Treatment **P**	900 SY	\$2.50	\$2,250.00
502.3210	Pigmented Surface Sealer **P**	110 SY	\$7.50	\$825.00
503.0146	Prestressed Girder Type I 45W-Inch **P**	1332 LF	\$135.00	\$179,820.00
505.0600	Bar Steel Reinforcement HS Coated Structures **P	50910 LB	\$0.97	\$49,382.70
505.0800.S	Bar Steel Reinforcement HS Stainless Structures **	2550 LB	\$2.92	\$7,446.00
506.4000	Steel Diaphragms (structure) 003. B-53-0332 **P*	22 EACH	\$480.00	\$10,560.00
517.1010.S	Concrete Staining (structure) 003. B-53-0332 **P*	2992 SF	\$1.04	\$3,111.68
517.1050.S	Architectural Surface Treatment (structure) 003. B	26 SF	\$6.00	\$156.00
652.0125	Conduit Rigid Metallic 2-Inch **P**	72 LF	\$40.00	\$2,880.00
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch **P*	303 LF	\$5.00	\$1,515.00
653.0220	Junction Boxes 18x6x6-Inch	2 EACH	\$900.00	\$1,800.00
653.0222	Junction Boxes 18x12x6-Inch	2 EACH	\$850.00	\$1,700.00
SPV.0035	700. High Performance Concrete (HPC) Mas onry S	352 CY	\$610.00	\$214,720.00
SPV.0165	700. Longitudinal Grooving Bridge Deck * **P**	8100 SF	\$0.50	\$4,050.00

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Structure ID B530333	Project Contract ID 1005-10-76	Letting Date 7/11/2017	Proposal No. 20170711001	Plans Sign Date 2/23/2017	Crossing: Stream
Designer WisDOT BOS	Contractor ROCK ROAD COMPANIES, INC		No. of Spans 1	Span Lengths (ft) 110	
Abut Type A1	Pier Type	Width (ft) 74.958	Length (ft) 114.5	Area (SF) 8583	Wall Length (ft) Retaining Wall Area (SF)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC:
Sign Type	Arm Type	Upright Type		Foundation Type	Total Project Cost \$54,483,394.79
Arm Length	Min. Vert.Clearance (ft)	Design Sign Area (SF)		Max. Sign Depth (ft)	

B530333		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0500.S	Removing Old Structure Over Waterway (station) 002. Sta. 799+63	1 LS		\$120,000.00	\$120,000.00	
206.1000	Excavation for Structures Bridges (structure) 004. B-53-0333	1 LS		\$6,170.60	\$6,170.60	
210.1500	Backfill Structure Type A	748 TON		\$9.84	\$7,360.32	
305.0120	Base Aggregate Dense 1 1/4-Inch	484 TON		\$7.42	\$3,591.28	
501.1000.S	Ice Hot Weather Concreting	5570 LB		\$0.01	\$55.70	
502.0100	Concrete Masonry Bridges **P**	232 CY		\$505.00	\$117,160.00	
502.3200	Protective Surface Treatment **P**	1260 SY		\$2.50	\$3,150.00	
502.3210	Pigmented Surface Sealer **P**	150 SY		\$7.50	\$1,125.00	
503.0146	Prestressed Girder Type I 45W-Inch **P**	1332 LF		\$135.00	\$179,820.00	
505.0400	Bar Steel Reinforcement HS Structures **P**	11420 LB		\$0.84	\$9,592.80	
505.0600	Bar Steel Reinforcement HS Coated Structures **P**	86540 LB		\$0.97	\$83,943.80	
505.0800.S	Bar Steel Reinforcement HS Stainless Structures **P**	2550 LB		\$2.92	\$7,446.00	
506.2605	Bearing Pads Elastomeric Non-Laminated **P**	24 EACH		\$100.00	\$2,400.00	
506.4000	Steel Diaphragms (structure) 004. B-53-0333 **P**	22 EACH		\$480.00	\$10,560.00	
511.1200	Temporary Shoring (structure) 003. B-53-0333	245 SF		\$30.00	\$7,350.00	
516.0500	Rubberized Membrane Waterproofing **P**	37 SY		\$25.00	\$925.00	
517.1010.S	Concrete Staining (structure) 004. B-53-0333 **P**	462 SF		\$1.04	\$480.48	
517.1050.S	Architectural Surface Treatment (structure) 004. B-53-0333 **P**	948 SF		\$6.00	\$5,688.00	
550.2128	Piling CIP Concrete 12 3/4 X 0.50-Inch	3120 LF		\$56.00	\$174,720.00	
604.0400	Slope Paving Concrete	136 SY		\$52.00	\$7,072.00	
606.0300	Riprap Heavy	355 CY		\$50.00	\$17,750.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	220 LF		\$6.90	\$1,518.00	
645.0120	Geotextile Type HR	575 SY		\$3.00	\$1,725.00	
652.0125	Conduit Rigid Metallic 2-Inch **P**	48 LF		\$40.00	\$1,920.00	
652.0210	Conduit Rigid Nonmetallic Schedule 40 1-Inch **P**	10 LF		\$4.50	\$45.00	
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch **P**	274 LF		\$5.00	\$1,370.00	
653.0222	Junction Boxes 18x12x6-Inch	2 EACH		\$850.00	\$1,700.00	
SPV.0035	700. High Performance Concrete (HPC) Mas onry Structures **P**	510 CY		\$610.00	\$311,100.00	
SPV.0060	700. Junction Boxes 4x4x4-Inch	1 EACH		\$1,000.00	\$1,000.00	

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SPV.0165	700. Longitudinal Grooving Bridge Deck * **P**	10980 SF	\$0.50	\$5,490.00
SPV.0195	700. Excavation, Hauling, and Disposal o f Contaminated Soil	140 TON	\$44.10	\$6,174.00

619.1000 Mobilization 0.02 EACH \$1,623,204.00 = \$33,729.20

Total Bridge Cost	Total Bridge Cost per SF	Br Manual Bridge Cost	Br Manual Bridge Cost per SF
\$1,132,132.18	\$131.90	\$1,012,132.18	\$117.92
FHWA Bridge Cost	FHWA Bridge Cost per SF	Super. Only Cost pSF	Substructure Only Cost pSF
\$939,646.98	\$109.48	\$52.43	\$65.50
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B530333 Superstructure Bid Items

501.1000.S	Ice Hot Weather Concreting	2640 LB	\$0.01	\$26.40
502.3200	Protective Surface Treatment **P**	900 SY	\$2.50	\$2,250.00
502.3210	Pigmented Surface Sealer **P**	110 SY	\$7.50	\$825.00
503.0146	Prestressed Girder Type I 45W-Inch **P**	1132 LF	\$135.00	\$152,820.00
505.0600	Bar Steel Reinforcement HS Coated Structures **P	50910 LB	\$0.97	\$49,382.70
505.0800.S	Bar Steel Reinforcement HS Stainless Structures **	2550 LB	\$2.92	\$7,446.00
506.4000	Steel Diaphragms (structure) 004. B-53-0333 **P*	22 EACH	\$480.00	\$10,560.00
517.1010.S	Concrete Staining (structure) 004. B-53-0333 **P*	2991 SF	\$1.04	\$3,110.64
517.1050.S	Architectural Surface Treatment (structure) 004. B	26 SF	\$6.00	\$156.00
652.0125	Conduit Rigid Metallic 2-Inch **P**	48 LF	\$40.00	\$1,920.00
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch **P*	202 LF	\$5.00	\$1,010.00
653.0222	Junction Boxes 18x12x6-Inch	2 EACH	\$850.00	\$1,700.00
SPV.0035	700. High Performance Concrete (HPC) Mas onry S	352 CY	\$610.00	\$214,720.00
SPV.0165	700. Longitudinal Grooving Bridge Deck * **P**	8100 SF	\$0.50	\$4,050.00

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Structure ID B530334	Project Contract ID 1005-10-76	Letting Date 7/11/2017	Proposal No. 20170711001	Plans Sign Date 2/27/2017	Crossing: Grade
Designer Westbrook Assoc	Contractor ROCK ROAD COMPANIES, INC			No. of Spans	Span Lengths (ft) 68
Abut Type A1	Pier Type	Width (ft) 74.958	Length (ft) 72.625	Area (SF) 5444	Wall Length (ft)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC:
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$54,483,394.79

B530334		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0200	Removing Old Structure (station) 005. Sta. 806+87'SB'	1	LS	\$75,000.00	\$75,000.00	
203.0225.S	Debris Containment (structure) 005. B-53-0029	1	LS	\$0.01	\$0.01	
206.1000	Excavation for Structures Bridges (structure) 005. B-53-0334	1	LS	\$14,642.93	\$14,642.93	
210.1500	Backfill Structure Type A	542	TON	\$9.84	\$5,333.28	
305.0120	Base Aggregate Dense 1 1/4-Inch	460	TON	\$7.42	\$3,413.20	
501.1000.S	Ice Hot Weather Concreting	4510	LB	\$0.01	\$45.10	
502.0100	Concrete Masonry Bridges **P**	203	CY	\$505.00	\$102,515.00	
502.3200	Protective Surface Treatment **P**	925	SY	\$2.50	\$2,312.50	
502.3210	Pigmented Surface Sealer **P**	110	SY	\$7.50	\$825.00	
503.0137	Prestressed Girder Type I 36W-Inch **P**	621	LF	\$145.00	\$90,045.00	
505.0400	Bar Steel Reinforcement HS Structures **P**	11170	LB	\$0.84	\$9,382.80	
505.0600	Bar Steel Reinforcement HS Coated Structures **P**	73580	LB	\$0.97	\$71,372.60	
505.0800.S	Bar Steel Reinforcement HS Stainless Structures **P**	2930	LB	\$2.92	\$8,555.60	
506.2605	Bearing Pads Elastomeric Non-Laminated **P**	18	EACH	\$100.00	\$1,800.00	
506.4000	Steel Diaphragms (structure) 005. B-53-0334 **P**	8	EACH	\$480.00	\$3,840.00	
516.0500	Rubberized Membrane Waterproofing **P**	38	SY	\$25.00	\$950.00	
517.1010.S	Concrete Staining (structure) 005. B-53-0334 **P**	3422	SF	\$1.04	\$3,558.88	
517.1050.S	Architectural Surface Treatment (structure) 005. B-53-0334 **P**	1102	SF	\$6.00	\$6,612.00	
550.2126	Piling CIP Concrete 12 3/4 X 0.375-Inch	1040	LF	\$48.00	\$49,920.00	
604.0400	Slope Paving Concrete	60	SY	\$52.00	\$3,120.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	210	LF	\$6.90	\$1,449.00	
652.0125	Conduit Rigid Metallic 2-Inch **P**	58	LF	\$40.00	\$2,320.00	
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch **P**	375	LF	\$5.00	\$1,875.00	
653.0222	Junction Boxes 18x12x6-Inch	6	EACH	\$850.00	\$5,100.00	
SPV.0035	700. High Performance Concrete (HPC) Mas onry Structures **P**	396	CY	\$610.00	\$241,560.00	
SPV.0165	700. Longitudinal Grooving Bridge Deck * **P**	7962	SF	\$0.50	\$3,981.00	
619.1000	Mobilization	0.01	EACH	\$1,623,204.00	=	\$21,787.85

Total Bridge Cost	Total Bridge Cost per SF	Br Manual Bridge Cost	Br Manual Bridge Cost per SF
\$731,316.75	\$134.33	\$656,316.75	\$120.56

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FHWA Bridge Cost	FWHA Bridge Cost per SF	Super. Only Cost pSF \$54.30	Substructure Only Cost pSF \$66.26
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B530334**Superstructure Bid Items**

502.3200	Protective Surface Treatment **P**	605 SY	\$2.50	\$1,512.50
502.3210	Pigmented Surface Sealer **P**	70 SY	\$7.50	\$525.00
503.0137	Prestressed Girder Type I 36W-Inch **P**	621 LF	\$145.00	\$90,045.00
505.0600	Bar Steel Reinforcement HS Coated Structures **P	37890 LB	\$0.97	\$36,753.30
505.0800.S	Bar Steel Reinforcement HS Stainless Structures **	2930 LB	\$2.92	\$8,555.60
506.4000	Steel Diaphragms (structure) 005. B-53-0334 **P*	8 EACH	\$480.00	\$3,840.00
517.1010.S	Concrete Staining (structure) 005. B-53-0334 **P*	1694 SF	\$1.04	\$1,761.76
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch **P	199 LF	\$5.00	\$995.00
653.0222	Junction Boxes 18x12x6-Inch	6 EACH	\$850.00	\$5,100.00
SPV.0035	700. High Performance Concrete (HPC) Mas onry S	236 CY	\$610.00	\$143,960.00
SPV.0165	700. Longitudinal Grooving Bridge Deck * **P**	5082 SF	\$0.50	\$2,541.00

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Structure ID B530335	Project Contract ID 1005-10-76	Letting Date 7/11/2017	Proposal No. 20170711001	Plans Sign Date 2/27/2017	Crossing: Grade
Designer Westbrook Assoc	Contractor ROCK ROAD COMPANIES, INC		No. of Spans 1	Span Lengths (ft) 68	
Abut Type A1	Pier Type	Width (ft) 74.958	Length (ft) 72.625	Area (SF) 5444	Wall Length (ft)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC:
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$54,483,394.79

B530335 Structure Bid Items		QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
ITEM	Desc					
203.0200	Removing Old Structure (station) 006. Sta. 806+70	1 LS		\$120,000.00	\$120,000.00	
203.0225.S	Debris Containment (structure) 006. B-53-0030	1 LS		\$0.01	\$0.01	
206.1000	Excavation for Structures Bridges (structure) 006. B-53-0335	1 LS		\$14,642.93	\$14,642.93	
210.1500	Backfill Structure Type A	447 TON		\$9.84	\$4,398.48	
305.0120	Base Aggregate Dense 1 1/4-Inch	460 TON		\$7.42	\$3,413.20	
501.1000.S	Ice Hot Weather Concreting	4350 LB		\$0.01	\$43.50	
502.0100	Concrete Masonry Bridges **P**	182 CY		\$505.00	\$91,910.00	
502.3200	Protective Surface Treatment **P**	925 SY		\$2.50	\$2,312.50	
502.3210	Pigmented Surface Sealer **P**	110 SY		\$7.50	\$825.00	
503.0137	Prestressed Girder Type I 36W-Inch **P**	621 LF		\$145.00	\$90,045.00	
505.0400	Bar Steel Reinforcement HS Structures **P**	10030 LB		\$0.84	\$8,425.20	
505.0600	Bar Steel Reinforcement HS Coated Structures **P**	72960 LB		\$0.97	\$70,771.20	
505.0800.S	Bar Steel Reinforcement HS Stainless Structures **P**	2930 LB		\$2.92	\$8,555.60	
506.2605	Bearing Pads Elastomeric Non-Laminated **P**	18 EACH		\$100.00	\$1,800.00	
506.4000	Steel Diaphragms (structure) 006. B-53-0335 **P**	8 EACH		\$480.00	\$3,840.00	
511.1200	Temporary Shoring (structure) 004. B-53-0335	820 SF		\$28.00	\$22,960.00	
516.0500	Rubberized Membrane Waterproofing **P**	36 SY		\$25.00	\$900.00	
517.1010.S	Concrete Staining (structure) 006. B-53-0335 **P**	3221 SF		\$1.04	\$3,349.84	
517.1050.S	Architectural Surface Treatment (structure) 006. B-53-0335 **P**	882 SF		\$6.00	\$5,292.00	
550.2126	Piling CIP Concrete 12 3/4 X 0.375-Inch	960 LF		\$48.00	\$46,080.00	
604.0400	Slope Paving Concrete	58 SY		\$52.00	\$3,016.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	210 LF		\$6.90	\$1,449.00	
652.0125	Conduit Rigid Metallic 2-Inch **P**	38 LF		\$40.00	\$1,520.00	
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch **P**	251 LF		\$5.00	\$1,255.00	
653.0222	Junction Boxes 18x12x6-Inch	4 EACH		\$850.00	\$3,400.00	
SPV.0035	700. High Performance Concrete (HPC) Masonry Structures **P**	396 CY		\$610.00	\$241,560.00	
SPV.0165	700. Longitudinal Grooving Bridge Deck * **P**	7962 SF		\$0.50	\$3,981.00	
619.1000	Mobilization	0.01 EACH		\$1,623,204.00 =	\$23,207.05	

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Total Bridge Cost \$778,952.51	Total Bridge Cost per SF \$143.08	Br Manual Bridge Cost \$658,952.51	Br Manual Bridge Cost per SF \$121.04
FHWA Bridge Cost	FHWA Bridge Cost per SF	Super. Only Cost pSF \$53.92	Substructure Only Cost pSF \$67.12
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B530335**Superstructure Bid Items**

502.3200	Protective Surface Treatment **P**	605 SY	\$2.50	\$1,512.50
502.3210	Pigmented Surface Sealer **P**	70 SY	\$7.50	\$525.00
503.0137	Prestressed Girder Type I 36W-Inch **P**	621 LF	\$145.00	\$90,045.00
505.0600	Bar Steel Reinforcement HS Coated Structures **P	37890 LB	\$0.97	\$36,753.30
505.0800.S	Bar Steel Reinforcement HS Stainless Structures **	2930 LB	\$2.92	\$8,555.60
506.4000	Steel Diaphragms (structure) 006. B-53-0335 **P*	8 EACH	\$480.00	\$3,840.00
517.1010.S	Concrete Staining (structure) 006. B-53-0335 **P*	1694 SF	\$1.04	\$1,761.76
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch **P	133 LF	\$5.00	\$665.00
653.0222	Junction Boxes 18x12x6-Inch	4 EACH	\$850.00	\$3,400.00
SPV.0035	700. High Performance Concrete (HPC) Mas onry S	236 CY	\$610.00	\$143,960.00
SPV.0165	700. Longitudinal Grooving Bridge Deck * **P**	5082 SF	\$0.50	\$2,541.00

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Structure ID B530336	Project Contract ID 1005-10-76	Letting Date 7/11/2017	Proposal No. 20170711001	Plans Sign Date 2/27/2017	Crossing: Grade
Designer Westbrook Assoc	Contractor ROCK ROAD COMPANIES, INC		No. of Spans 1	Span Lengths (ft) 68	
Abut Type A1	Pier Type	Width (ft) 74.958	Length (ft) 72.5	Area (SF) 5434	Wall Length (ft)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC:
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$54,483,394.79

B530336		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0200	Removing Old Structure (station) 009. Sta. 862+09'SB'	1	LS	\$75,000.00	\$75,000.00	
203.0225.S	Debris Containment (structure) 009. B-53-0059	1	LS	\$0.01	\$0.01	
206.1000	Excavation for Structures Bridges (structure) 009. B-53-0336	1	LS	\$18,107.77	\$18,107.77	
210.1500	Backfill Structure Type A	670	TON	\$9.84	\$6,592.80	
305.0120	Base Aggregate Dense 1 1/4-Inch	480	TON	\$7.42	\$3,561.60	
501.1000.S	Ice Hot Weather Concreting	4540	LB	\$0.01	\$45.40	
502.0100	Concrete Masonry Bridges **P**	209	CY	\$505.00	\$105,545.00	
502.3200	Protective Surface Treatment **P**	923	SY	\$2.50	\$2,307.50	
502.3210	Pigmented Surface Sealer **P**	110	SY	\$7.50	\$825.00	
503.0137	Prestressed Girder Type I 36W-Inch **P**	621	LF	\$145.00	\$90,045.00	
505.0400	Bar Steel Reinforcement HS Structures **P**	11390	LB	\$0.84	\$9,567.60	
505.0600	Bar Steel Reinforcement HS Coated Structures **P**	72860	LB	\$0.97	\$70,674.20	
505.0800.S	Bar Steel Reinforcement HS Stainless Structures **P**	2930	LB	\$2.92	\$8,555.60	
506.2605	Bearing Pads Elastomeric Non-Laminated **P**	18	EACH	\$100.00	\$1,800.00	
506.4000	Steel Diaphragms (structure) 007. B-53-0336 **P**	8	EACH	\$480.00	\$3,840.00	
516.0500	Rubberized Membrane Waterproofing **P**	32	SY	\$25.00	\$800.00	
517.1010.S	Concrete Staining (structure) 007. B-53-0336 **P**	3482	SF	\$1.04	\$3,621.28	
517.1050.S	Architectural Surface Treatment (structure) 007. B-53-0336 **P**	1139	SF	\$6.00	\$6,834.00	
550.2126	Piling CIP Concrete 12 3/4 X 0.375-Inch	780	LF	\$48.00	\$37,440.00	
604.0400	Slope Paving Concrete	58	SY	\$52.00	\$3,016.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	210	LF	\$6.90	\$1,449.00	
652.0125	Conduit Rigid Metallic 2-Inch **P**	58	LF	\$40.00	\$2,320.00	
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch **P**	374	LF	\$5.00	\$1,870.00	
653.0222	Junction Boxes 18x12x6-Inch	6	EACH	\$850.00	\$5,100.00	
SPV.0035	700. High Performance Concrete (HPC) Mas onry Structures **P**	394	CY	\$610.00	\$240,340.00	
SPV.0165	700. Longitudinal Grooving Bridge Deck * **P**	7956	SF	\$0.50	\$3,978.00	

619.1000 Mobilization 0.01 EACH \$1,623,204.00 = \$21,594.61

Total Bridge Cost	Total Bridge Cost per SF	Br Manual Bridge Cost	Br Manual Bridge Cost per SF
\$724,830.37	\$133.39	\$649,830.37	\$119.59

BRIDGE

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FHWA Bridge Cost	FWHA Bridge Cost per SF	Super. Only Cost pSF \$54.08	Substructure Only Cost pSF \$65.50
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B530336**Superstructure Bid Items**

502.3200	Protective Surface Treatment **P**	603 SY	\$2.50	\$1,507.50
502.3210	Pigmented Surface Sealer **P**	70 SY	\$7.50	\$525.00
503.0137	Prestressed Girder Type I 36W-Inch **P**	621 LF	\$145.00	\$90,045.00
505.0600	Bar Steel Reinforcement HS Coated Structures **P	37410 LB	\$0.97	\$36,287.70
505.0800.S	Bar Steel Reinforcement HS Stainless Structures **	2930 LB	\$2.92	\$8,555.60
506.4000	Steel Diaphragms (structure) 007. B-53-0336 **P*	8 EACH	\$480.00	\$3,840.00
517.1010.S	Concrete Staining (structure) 007. B-53-0336 **P*	1695 SF	\$1.04	\$1,762.80
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch **P	198 LF	\$5.00	\$990.00
653.0222	Junction Boxes 18x12x6-Inch	6 EACH	\$850.00	\$5,100.00
SPV.0035	700. High Performance Concrete (HPC) Mas onry S	234 CY	\$610.00	\$142,740.00
SPV.0165	700. Longitudinal Grooving Bridge Deck * **P**	5076 SF	\$0.50	\$2,538.00

BRIDGE

Prestressed I-Girder

State of Wisconsin
Department of Transportation

Structure ID B530337	Project Contract ID 1005-10-76	Letting Date 7/11/2017	Proposal No. 20170711001	Plans Sign Date 2/27/2017	Crossing: Grade
Designer Westbrook Assoc	Contractor ROCK ROAD COMPANIES, INC		No. of Spans 1	Span Lengths (ft) 68	
Abut Type A1	Pier Type	Width (ft) 74.958	Length (ft) 72.5	Area (SF) 5434	Wall Length (ft)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC:
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$54,483,394.79

B530337		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0200	Removing Old Structure (station) 010. Sta. 862+05	1	LS	\$120,000.00	\$120,000.00	
203.0225.S	Debris Containment (structure) 010. B-53-0060	1	LS	\$0.01	\$0.01	
206.1000	Excavation for Structures Bridges (structure) 010. B-53-0337	1	LS	\$18,107.77	\$18,107.77	
210.1500	Backfill Structure Type A	480	TON	\$9.84	\$4,723.20	
305.0120	Base Aggregate Dense 1 1/4-Inch	480	TON	\$7.42	\$3,561.60	
501.1000.S	Ice Hot Weather Concreting	4300	LB	\$0.01	\$43.00	
502.0100	Concrete Masonry Bridges **P**	174	CY	\$505.00	\$87,870.00	
502.3200	Protective Surface Treatment **P**	923	SY	\$2.50	\$2,307.50	
502.3210	Pigmented Surface Sealer **P**	110	SY	\$7.50	\$825.00	
503.0137	Prestressed Girder Type I 36W-Inch **P**	621	LF	\$145.00	\$90,045.00	
505.0400	Bar Steel Reinforcement HS Structures **P**	9580	LB	\$0.84	\$8,047.20	
505.0600	Bar Steel Reinforcement HS Coated Structures **P**	72310	LB	\$0.97	\$70,140.70	
505.0800.S	Bar Steel Reinforcement HS Stainless Structures **P**	2930	LB	\$2.92	\$8,555.60	
506.2605	Bearing Pads Elastomeric Non-Laminated **P**	18	EACH	\$100.00	\$1,800.00	
506.4000	Steel Diaphragms (structure) 008. B-53-0337 **P**	8	EACH	\$480.00	\$3,840.00	
511.1200	Temporary Shoring (structure) 006. B-53-0337	760	SF	\$30.00	\$22,800.00	
516.0500	Rubberized Membrane Waterproofing **P**	36	SY	\$25.00	\$900.00	
517.1010.S	Concrete Staining (structure) 008. B-53-0337 **P**	3162	SF	\$1.04	\$3,288.48	
517.1050.S	Architectural Surface Treatment (structure) 008. B-53-0337 **P**	860	SF	\$6.00	\$5,160.00	
550.2126	Piling CIP Concrete 12 3/4 X 0.375-Inch	720	LF	\$48.00	\$34,560.00	
604.0400	Slope Paving Concrete	56	SY	\$52.00	\$2,912.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	200	LF	\$6.90	\$1,380.00	
652.0125	Conduit Rigid Metallic 2-Inch **P**	38	LF	\$40.00	\$1,520.00	
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch **P**	250	LF	\$5.00	\$1,250.00	
653.0222	Junction Boxes 18x12x6-Inch	4	EACH	\$850.00	\$3,400.00	
SPV.0035	700. High Performance Concrete (HPC) Masonry Structures **P**	396	CY	\$610.00	\$241,560.00	
SPV.0165	700. Longitudinal Grooving Bridge Deck * **P**	7956	SF	\$0.50	\$3,978.00	
619.1000	Mobilization	0.01	EACH	\$1,623,204.00	=	\$22,802.62

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Total Bridge Cost \$765,377.68	Total Bridge Cost per SF \$140.85	Br Manual Bridge Cost \$645,377.68	Br Manual Bridge Cost per SF \$118.77
FHWA Bridge Cost	FHWA Bridge Cost per SF	Super. Only Cost pSF \$53.71	Substructure Only Cost pSF \$65.05
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B530337**Superstructure Bid Items**

501.1000.S	Ice Hot Weather Concreting	1760 LB	\$0.01	\$17.60
502.3200	Protective Surface Treatment **P**	603 SY	\$2.50	\$1,507.50
502.3210	Pigmented Surface Sealer **P**	70 SY	\$7.50	\$525.00
503.0137	Prestressed Girder Type I 36W-Inch **P**	621 LF	\$145.00	\$90,045.00
505.0600	Bar Steel Reinforcement HS Coated Structures **P	37410 LB	\$0.97	\$36,287.70
505.0800.S	Bar Steel Reinforcement HS Stainless Structures **	2930 LB	\$2.92	\$8,555.60
506.4000	Steel Diaphragms (structure) 008. B-53-0337 **P*	8 EACH	\$480.00	\$3,840.00
517.1010.S	Concrete Staining (structure) 008. B-53-0337 **P*	1695 SF	\$1.04	\$1,762.80
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch **P	132 LF	\$5.00	\$660.00
653.0222	Junction Boxes 18x12x6-Inch	4 EACH	\$850.00	\$3,400.00
SPV.0035	700. High Performance Concrete (HPC) Mas onry S	234 CY	\$610.00	\$142,740.00
SPV.0165	700. Longitudinal Grooving Bridge Deck * **P**	5076 SF	\$0.50	\$2,538.00

BRIDGE

Concrete Flat Slab

State of Wisconsin
Department of Transportation

Structure ID B590193	Project Contract ID 4201-04-71	Letting Date 7/11/2017	Proposal No. 20170711012	Plans Sign Date 2/27/2017	Crossing: Stream
Designer Jewell	Contractor PHEIFER BROTHERS CONSTRUCTION CO., I			No. of Spans 1	Span Lengths (ft) 38
Abut Type A5	Pier Type	Width (ft) 30.5	Length (ft) 40.583	Area (SF) 1238	Wall Length (ft)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC:
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$272,042.70

B590193		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 01	1	LS	\$28,100.00	\$28,100.00	
206.1000	Excavation for Structures Bridges (structure) 01.B-59-0193	1	LS	\$9,300.00	\$9,300.00	
210.1500	Backfill Structure Type A	260	TON	\$21.25	\$5,525.00	
502.0100	Concrete Masonry Bridges	145	CY	\$440.00	\$63,800.00	
502.3200	Protective Surface Treatment	160	SY	\$4.50	\$720.00	
505.0400	Bar Steel Reinforcement HS Structures	4630	LB	\$0.99	\$4,583.70	
505.0600	Bar Steel Reinforcement HS Coated Structures	17770	LB	\$0.95	\$16,881.50	
513.4061	Railing Tubular Type M (structure) 01.B-59-0193	83	LF	\$270.00	\$22,410.00	
516.0500	Rubberized Membrane Waterproofing	13	SY	\$49.00	\$637.00	
550.2104	Piling CIP Concrete 10 3/4 X 0.25-Inch	800	LF	\$34.00	\$27,200.00	
606.0300	Riprap Heavy	95	CY	\$65.00	\$6,175.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	160	LF	\$6.00	\$960.00	
645.0120	Geotextile Type HR	160	SY	\$4.50	\$720.00	

619.1000 Mobilization 0.73 EACH \$14,627.10 = \$10,626.57

Total Bridge Cost \$197,638.77	Total Bridge Cost per SF \$159.64	Br Manual Bridge Cost \$169,538.77	Br Manual Bridge Cost per SF \$136.95
FHWA Bridge Cost	FWHA Bridge Cost per SF	Super. Only Cost pSF \$43.18	Substructure Only Cost pSF \$93.77
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B590193		Superstructure Bid Items			
502.0100	Concrete Masonry Bridges	89	CY	\$440.00	\$39,160.00
505.0600	Bar Steel Reinforcement HS Coated Structures	15050	LB	\$0.95	\$14,297.50

BRIDGE

Concrete Flat Slab

State of Wisconsin
Department of Transportation

Structure ID B620250	Project Contract ID 5407-00-70	Letting Date 7/11/2017	Proposal No. 20170711006	Plans Sign Date 2/27/2017	Crossing: Stream
Designer CORRE	Contractor LARSON CONSTRUCTION CO., INC.		No. of Spans 1	Span Lengths (ft) 36	
Abut Type A1	Pier Type	Width (ft) 26.5	Length (ft) 38.667	Area (SF) 1025	Wall Length (ft)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC:
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$248,399.90

B620250		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 01	1	LS	\$14,000.00	\$14,000.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-62-250	1	LS	\$9,000.00	\$9,000.00	
210.1500	Backfill Structure Type A	490	TON	\$28.00	\$13,720.00	
502.0100	Concrete Masonry Bridges	166	CY	\$449.00	\$74,534.00	
502.3200	Protective Surface Treatment	107	SY	\$3.00	\$321.00	
502.3210	Pigmented Surface Sealer	57	SY	\$3.00	\$171.00	
505.0400	Bar Steel Reinforcement HS Structures	4100	LB	\$1.20	\$4,920.00	
505.0600	Bar Steel Reinforcement HS Coated Structures	20400	LB	\$1.20	\$24,480.00	
516.0500	Rubberized Membrane Waterproofing	18	SY	\$35.00	\$630.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb	210	LF	\$36.50	\$7,665.00	
606.0300	Riprap Heavy	260	CY	\$44.00	\$11,440.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	115	LF	\$9.00	\$1,035.00	
645.0120	Geotextile Type HR	325	SY	\$3.00	\$975.00	

619.1000 Mobilization 0.75 EACH \$31,480.00 = \$23,639.18

Total Bridge Cost \$186,530.18	Total Bridge Cost per SF \$181.98	Br Manual Bridge Cost \$172,530.18	Br Manual Bridge Cost per SF \$168.32
FHWA Bridge Cost	FHWA Bridge Cost per SF	Super. Only Cost pSF \$50.68	Substructure Only Cost pSF \$117.65
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B620250		Superstructure Bid Items		
502.0100	Concrete Masonry Bridges	74	CY	\$449.00
502.3200	Protective Surface Treatment	107	SY	\$3.00
502.3210	Pigmented Surface Sealer	32	SY	\$3.00
505.0600	Bar Steel Reinforcement HS Coated Structures	15250	LB	\$1.20

BRIDGE

Concrete Flat Slab

State of Wisconsin
Department of Transportation

Structure ID B120181	Project Contract ID 5001-00-70	Letting Date 8/8/2017	Proposal No. 20170808012	Plans Sign Date 5/17/2017	Crossing: Stream
Designer TEAM	Contractor LARSON CONSTRUCTION CO., INC.		No. of Spans 1	Span Lengths (ft) 48	
Abut Type A5	Pier Type	Width (ft) 34.5	Length (ft) 50.583	Area (SF) 1745	Wall Length (ft)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC:
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$505,222.86

B120181		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 01.	1	LS	\$12,500.00	\$12,500.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-12-0181	1	LS	\$8,500.00	\$8,500.00	
210.1500	Backfill Structure Type A	928	TON	\$25.00	\$23,200.00	
502.0100	Concrete Masonry Bridges	291	CY	\$373.00	\$108,543.00	
502.3200	Protective Surface Treatment	226	SY	\$3.25	\$734.50	
505.0400	Bar Steel Reinforcement HS Structures	6500	LB	\$1.10	\$7,150.00	
505.0600	Bar Steel Reinforcement HS Coated Structures	29360	LB	\$1.10	\$32,296.00	
513.4061	Railing Tubular Type M (structure) 01. B-12-0181	106	LF	\$185.00	\$19,610.00	
516.0500	Rubberized Membrane Waterproofing	16	SY	\$45.00	\$720.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb	886	LF	\$34.00	\$30,124.00	
606.0300	Riprap Heavy	110	CY	\$52.00	\$5,720.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	200	LF	\$8.00	\$1,600.00	
645.0111	Geotextile Type DF Schedule A	44	SY	\$3.00	\$132.00	
645.0120	Geotextile Type HR	250	SY	\$4.00	\$1,000.00	
619.1000	Mobilization	0.54	EACH	\$38,200.00	=	\$20,598.32

Total Bridge Cost \$272,427.82	Total Bridge Cost per SF \$156.12	Br Manual Bridge Cost \$259,927.82	Br Manual Bridge Cost per SF \$148.96
FHWA Bridge Cost \$232,609.50	FWHA Bridge Cost per SF \$133.30	Super. Only Cost pSF \$58.80	Substructure Only Cost pSF \$90.15
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B120181		Superstructure Bid Items			
502.0100	Concrete Masonry Bridges	147	CY	\$373.00	\$54,831.00
502.3200	Protective Surface Treatment	226	SY	\$3.25	\$734.50
505.0600	Bar Steel Reinforcement HS Coated Structures	24944	LB	\$1.10	\$27,438.40
513.4061	Railing Tubular Type M (structure) 01. B-12-0181	106	LF	\$185.00	\$19,610.00

BRIDGE

Prestressed I-Girder

State of Wisconsin
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Structure ID B140209	Project Contract ID 3997-00-70	Letting Date 8/8/2017	Proposal No. 20170808003	Plans Sign Date 6/27/2017	Crossing: Stream
Designer MSA	Contractor LUNDA CONSTRUCTION COMPANY			No. of Spans 3	Span Lengths (ft) 96.6,97.3,96.6
Abut Type A1	Pier Type Pile Encased	Width (ft) 54.333	Length (ft) 294.333	Area (SF) 15992	Wall Length (ft) Retaining Wall Area (SF)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC: P140713
Sign Type	Arm Type	Upright Type		Foundation Type	Total Project Cost \$2,521,426.72
Arm Length	Min. Vert.Clearance (ft)	Design Sign Area (SF)		Max. Sign Depth (ft)	

B140209		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 01.	1 LS		\$210,000.00	\$210,000.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-14-209	1 LS		\$20,000.00	\$20,000.00	
206.5000	Cofferdams (structure) 01. B-14-209	1 LS		\$255,500.00	\$255,500.00	
210.1500	Backfill Structure Type A	730 TON		\$22.00	\$16,060.00	
502.0100	Concrete Masonry Bridges	996 CY		\$650.00	\$647,400.00	
502.3200	Protective Surface Treatment	1735 SY		\$2.00	\$3,470.00	
502.3210	Pigmented Surface Sealer	775 SY		\$2.50	\$1,937.50	
503.0137	Prestressed Girder Type I 36W-Inch	2328 LF		\$170.00	\$395,760.00	
505.0400	Bar Steel Reinforcement HS Structures	20120 LB		\$0.85	\$17,102.00	
505.0600	Bar Steel Reinforcement HS Coated Structures	138120 LB		\$0.90	\$124,308.00	
506.2605	Bearing Pads Elastomeric Non-Laminated	48 EACH		\$100.00	\$4,800.00	
506.4000	Steel Diaphragms (structure) 01. B-14-209	42 EACH		\$400.00	\$16,800.00	
516.0500	Rubberized Membrane Waterproofing	38 SY		\$25.00	\$950.00	
550.0500	Pile Points	70 EACH		\$135.00	\$9,450.00	
550.1120	Piling Steel HP 12-Inch X 53 Lb	1820 LF		\$43.00	\$78,260.00	
550.2108	Piling CIP Concrete 10 3/4 X 0.50-Inch	420 LF		\$47.00	\$19,740.00	
606.0200	Riprap Medium	90 CY		\$50.00	\$4,500.00	
606.0300	Riprap Heavy	645 CY		\$50.00	\$32,250.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	320 LF		\$9.00	\$2,880.00	
645.0111	Geotextile Type DF Schedule A	160 SY		\$5.00	\$800.00	
645.0120	Geotextile Type HR	1310 SY		\$5.00	\$6,550.00	
650.6500	Construction Staking Structure Layout (structure) 01. B-14-209	1 LS		\$5,500.00	\$5,500.00	
652.0125	Conduit Rigid Metallic 2-Inch	43 LF		\$15.00	\$645.00	
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	1490 LF		\$4.00	\$5,960.00	
653.0222	Junction Boxes 18x12x6-Inch	8 EACH		\$875.00	\$7,000.00	
657.6005.S	Anchor Assemblies Light Poles on Structures	8 EACH		\$500.00	\$4,000.00	
SPV.0060	02. Underwater Pier Inspection B-14-209	2 EACH		\$2,200.00	\$4,400.00	
SPV.0060	03. Decorative Logo	8 EACH		\$300.00	\$2,400.00	
SPV.0060	04. Logo Concrete Staining	8 EACH		\$200.00	\$1,600.00	

BRIDGE

Prestressed I-Girder

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SPV.0090	01. Remove and Salvage Railing Structure P-14-0713	800 LF	\$10.00	\$8,000.00
SPV.0090	02. Parapet Concrete Type 'TX'	746 LF	\$200.00	\$149,200.00
SPV.0165	01. Anti-Graffiti Coating	1680 SF	\$2.65	\$4,452.00

619.1000 Mobilization 0.84 EACH \$62,699.11 = \$52,574.00

Total Bridge Cost	Total Bridge Cost per SF	Br Manual Bridge Cost	Br Manual Bridge Cost per SF
\$2,114,248.50	\$132.21	\$1,904,248.50	\$119.08
FHWA Bridge Cost	FWHA Bridge Cost per SF	Super. Only Cost pSF	Substructure Only Cost pSF
\$1,794,769.50	\$112.23	\$69.44	\$49.64
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B140209 Superstructure Bid Items				
502.0100	Concrete Masonry Bridges	643 CY	\$650.00	\$417,950.00
502.3200	Protective Surface Treatment	1735 SY	\$2.00	\$3,470.00
502.3210	Pigmented Surface Sealer	775 SY	\$2.50	\$1,937.50
503.0137	Prestressed Girder Type I 36W-Inch	2328 LF	\$170.00	\$395,760.00
505.0600	Bar Steel Reinforcement HS Coated Structures	128250 LB	\$0.90	\$115,425.00
506.2605	Bearing Pads Elastomeric Non-Laminated	48 EACH	\$100.00	\$4,800.00
506.4000	Steel Diaphragms (structure) 01. B-14-209	42 EACH	\$400.00	\$16,800.00
652.0125	Conduit Rigid Metallic 2-Inch	43 LF	\$15.00	\$645.00
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	1490 LF	\$4.00	\$5,960.00
653.0222	Junction Boxes 18x12x6-Inch	8 EACH	\$875.00	\$7,000.00
657.6005.S	Anchor Assemblies Light Poles on Structures	8 EACH	\$500.00	\$4,000.00
SPV.0090	02. Parapet Concrete Type 'TX'	678 LF	\$200.00	\$135,600.00
SPV.0165	01. Anti-Graffiti Coating	410 SF	\$2.65	\$1,086.50

BRIDGE

Prestressed I-Girder

State of Wisconsin
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Structure ID B530314	Project Contract ID 1003-10-81	Letting Date 8/8/2017	Proposal No. 20170808001	Plans Sign Date 5/2/2017	Crossing: Stream
Designer WisDOT BOS	Contractor ROCK ROAD COMPANIES, INC		No. of Spans 3	Span Lengths (ft) 50,59,50	
Abut Type A1	Pier Type Pile Encased	Width (ft) 70.958	Length (ft) 163.5	Area (SF) 11602	Wall Length (ft) Retaining Wall Area (SF)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC:
Sign Type	Arm Type	Upright Type		Foundation Type	Total Project Cost \$48,779,509.06
Arm Length	Min. Vert.Clearance (ft)	Design Sign Area (SF)		Max. Sign Depth (ft)	

B530314		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 00	1 LS		\$250,000.00	\$250,000.00	
206.1000	Excavation for Structures Bridges (structure) 001. B-53-314	1 LS		\$22,596.92	\$22,596.92	
206.5000	Cofferdams (structure) 001. B-53-314	1 LS		\$25,000.00	\$25,000.00	
210.1500	Backfill Structure Type A	314 TON		\$9.64	\$3,026.96	
305.0120	Base Aggregate Dense 1 1/4-Inch	440 TON		\$5.70	\$2,508.00	
501.1000.S	Ice Hot Weather Concreting	7659 LB		\$0.01	\$76.59	
502.0100	Concrete Masonry Bridges **P**	444 CY		\$485.00	\$215,340.00	
502.3200	Protective Surface Treatment **P**	1560 SY		\$2.00	\$3,120.00	
502.3210	Pigmented Surface Sealer	201 SY		\$2.50	\$502.50	
503.0128	Prestressed Girder Type I 28-Inch **P**	1755 LF		\$155.00	\$272,025.00	
505.0400	Bar Steel Reinforcement HS Structures **P**	22600 LB		\$0.90	\$20,340.00	
505.0600	Bar Steel Reinforcement HS Coated Structures **P**	122380 LB		\$0.95	\$116,261.00	
505.0800.S	Bar Steel Reinforcement HS Stainless Structures	2415 LB		\$3.00	\$7,245.00	
506.2605	Bearing Pads Elastomeric Non-Laminated	66 EACH		\$100.00	\$6,600.00	
506.4000	Steel Diaphragms (structure) 001. B-53-314 **P**	30 EACH		\$1,000.00	\$30,000.00	
511.1200	Temporary Shoring (structure) 001. B-53-314	240 SF		\$25.00	\$6,000.00	
516.0500	Rubberized Membrane Waterproofing	34 SY		\$25.00	\$850.00	
550.0500	Pile Points	48 EACH		\$150.00	\$7,200.00	
550.1120	Piling Steel HP 12-Inch X 53 Lb	3480 LF		\$31.00	\$107,880.00	
606.0300	Riprap Heavy	340 CY		\$50.00	\$17,000.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	200 LF		\$5.97	\$1,194.00	
614.0150	Anchor Assemblies for Steel Plate Beam Guard	2 EACH		\$150.00	\$300.00	
645.0120	Geotextile Type HR	510 SY		\$3.00	\$1,530.00	
652.0125	Conduit Rigid Metallic 2-Inch	48 LF		\$55.49	\$2,663.52	
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch **P**	380 LF		\$6.42	\$2,439.60	
653.0222	Junction Boxes 18x12x6-Inch	2 EACH		\$1,052.00	\$2,104.00	
SPV.0035	740. High Performance Concrete (HPC) Mas onry Structures **P**	577 CY		\$505.00	\$291,385.00	
SPV.0165	750. Longitudinal Grooving Bridge Deck * **P**	13702 SF		\$0.35	\$4,795.70	
SPV.0195	740. Excavating, Hauling & Disposal of C ontaminated Soil	280 TON		\$44.30	\$12,404.00	

BRIDGE

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619.1000 Mobilization	0.03 EACH	\$1,874,000.00 =	\$57,227.71
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Total Bridge Cost \$1,489,615.50	Total Bridge Cost per SF \$128.39	Br Manual Bridge Cost \$1,239,615.50	Br Manual Bridge Cost per SF \$106.85
FHWA Bridge Cost \$1,144,246.67	FHWA Bridge Cost per SF \$98.62	Super. Only Cost pSF \$54.16	Substructure Only Cost pSF \$52.69
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B530314**Superstructure Bid Items**

501.1000.S	Ice Hot Weather Concreting	3188 LB	\$0.01	\$31.88
502.3200	Protective Surface Treatment **P**	1256 SY	\$2.00	\$2,512.00
502.3210	Pigmented Surface Sealer	161 SY	\$2.50	\$402.50
503.0128	Prestressed Girder Type I 28-Inch **P**	1755 LF	\$155.00	\$272,025.00
505.0600	Bar Steel Reinforcement HS Coated Structures **P	89200 LB	\$0.95	\$84,740.00
505.0800.S	Bar Steel Reinforcement HS Stainless Structures	2415 LB	\$3.00	\$7,245.00
506.2605	Bearing Pads Elastomeric Non-Laminated	66 EACH	\$100.00	\$6,600.00
506.4000	Steel Diaphragms (structure) 001. B-53-314 **P**	30 EACH	\$1,000.00	\$30,000.00
614.0150	Anchor Assemblies for Steel Plate Beam Guard	2 EACH	\$150.00	\$300.00
652.0125	Conduit Rigid Metallic 2-Inch	36 LF	\$55.49	\$1,997.64
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch **P*	300 LF	\$6.42	\$1,926.00
653.0222	Junction Boxes 18x12x6-Inch	2 EACH	\$1,052.00	\$2,104.00
SPV.0035	740. High Performance Concrete (HPC) Mas onry S	425 CY	\$505.00	\$214,625.00
SPV.0165	750. Longitudinal Grooving Bridge Deck * **P**	10982 SF	\$0.35	\$3,843.70

BRIDGE

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State of Wisconsin
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Structure ID B530315	Project Contract ID 1003-10-81	Letting Date 8/8/2017	Proposal No. 20170808001	Plans Sign Date 5/2/2017	Crossing: Stream
Designer WisDOT BOS	Contractor ROCK ROAD COMPANIES, INC		No. of Spans 3	Span Lengths (ft) 50,59,50	
Abut Type A1	Pier Type Pile Encased	Width (ft) 70.96	Length (ft) 163.5	Area (SF) 11602	Wall Length (ft) Retaining Wall Area (SF)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC:
Sign Type	Arm Type	Upright Type		Foundation Type	Total Project Cost \$48,779,509.06
Arm Length	Min. Vert.Clearance (ft)	Design Sign Area (SF)		Max. Sign Depth (ft)	

B530315		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 00	1 LS		\$250,000.00	\$250,000.00	
206.1000	Excavation for Structures Bridges (structure) 002. B-53-315	1 LS		\$22,596.92	\$22,596.92	
206.5000	Cofferdams (structure) 002. B-53-315	1 LS		\$25,000.00	\$25,000.00	
210.1500	Backfill Structure Type A	314 TON		\$9.64	\$3,026.96	
305.0120	Base Aggregate Dense 1 1/4-Inch	440 TON		\$5.70	\$2,508.00	
501.1000.S	Ice Hot Weather Concreting	7659 LB		\$0.01	\$76.59	
502.0100	Concrete Masonry Bridges **P**	444 CY		\$485.00	\$215,340.00	
502.3200	Protective Surface Treatment **P**	1560 SY		\$2.00	\$3,120.00	
502.3210	Pigmented Surface Sealer	201 SY		\$2.50	\$502.50	
503.0128	Prestressed Girder Type I 28-Inch **P**	1755 LF		\$155.00	\$272,025.00	
505.0400	Bar Steel Reinforcement HS Structures **P**	22600 LB		\$0.90	\$20,340.00	
505.0600	Bar Steel Reinforcement HS Coated Structures **P**	122380 LB		\$0.95	\$116,261.00	
505.0800.S	Bar Steel Reinforcement HS Stainless Structures	2415 LB		\$3.00	\$7,245.00	
506.2605	Bearing Pads Elastomeric Non-Laminated	66 EACH		\$100.00	\$6,600.00	
506.4000	Steel Diaphragms (structure) 002. B-53-315 **P**	30 EACH		\$1,000.00	\$30,000.00	
511.1200	Temporary Shoring (structure) 002. B-53-315	240 SF		\$25.00	\$6,000.00	
516.0500	Rubberized Membrane Waterproofing	34 SY		\$25.00	\$850.00	
550.0500	Pile Points	48 EACH		\$150.00	\$7,200.00	
550.1120	Piling Steel HP 12-Inch X 53 Lb	3330 LF		\$31.00	\$103,230.00	
606.0300	Riprap Heavy	340 CY		\$50.00	\$17,000.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	200 LF		\$5.97	\$1,194.00	
614.0150	Anchor Assemblies for Steel Plate Beam Guard	2 EACH		\$150.00	\$300.00	
645.0120	Geotextile Type HR	510 SY		\$3.00	\$1,530.00	
652.0125	Conduit Rigid Metallic 2-Inch **P**	48 LF		\$9.22	\$442.56	
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch **P**	380 LF		\$6.42	\$2,439.60	
653.0222	Junction Boxes 18x12x6-Inch	2 EACH		\$1,052.00	\$2,104.00	
SPV.0035	740. High Performance Concrete (HPC) Mas onry Structures **P**	577 CY		\$505.00	\$291,385.00	
SPV.0165	750. Longitudinal Grooving Bridge Deck * **P**	13702 SF		\$0.35	\$4,795.70	
SPV.0195	740. Excavating, Hauling & Disposal of C ontaminated Soil	280 TON		\$44.30	\$12,404.00	

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619.1000 Mobilization	0.03 EACH	\$1,874,000.00	=	\$56,953.19
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Total Bridge Cost	Total Bridge Cost per SF	Br Manual Bridge Cost	Br Manual Bridge Cost per SF
\$1,482,470.02	\$127.78	\$1,232,470.02	\$106.23
FHWA Bridge Cost	FHWA Bridge Cost per SF	Super. Only Cost pSF	Substructure Only Cost pSF
\$1,139,594.67	\$98.22	\$54.02	\$52.21
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B530315**Superstructure Bid Items**

501.1000.S	Ice Hot Weather Concreting	3188 LB	\$0.01	\$31.88
502.3200	Protective Surface Treatment **P**	1256 SY	\$2.00	\$2,512.00
502.3210	Pigmented Surface Sealer	161 SY	\$2.50	\$402.50
503.0128	Prestressed Girder Type I 28-Inch **P**	1755 LF	\$155.00	\$272,025.00
505.0600	Bar Steel Reinforcement HS Coated Structures **P	89200 LB	\$0.95	\$84,740.00
505.0800.S	Bar Steel Reinforcement HS Stainless Structures	2415 LB	\$3.00	\$7,245.00
506.2605	Bearing Pads Elastomeric Non-Laminated	66 EACH	\$100.00	\$6,600.00
506.4000	Steel Diaphragms (structure) 002. B-53-315 **P**	30 EACH	\$1,000.00	\$30,000.00
614.0150	Anchor Assemblies for Steel Plate Beam Guard	2 EACH	\$150.00	\$300.00
652.0125	Conduit Rigid Metallic 2-Inch **P**	36 LF	\$9.22	\$331.92
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch **P*	300 LF	\$6.42	\$1,926.00
653.0222	Junction Boxes 18x12x6-Inch	2 EACH	\$1,052.00	\$2,104.00
SPV.0035	740. High Performance Concrete (HPC) Mas onry S	425 CY	\$505.00	\$214,625.00
SPV.0165	750. Longitudinal Grooving Bridge Deck * **P**	10982 SF	\$0.35	\$3,843.70

BRIDGE

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Structure ID B530317	Project Contract ID 1003-10-81	Letting Date 8/8/2017	Proposal No. 20170808001	Plans Sign Date 5/11/2017	Crossing: Grade
Designer WisDOT BOS	Contractor ROCK ROAD COMPANIES, INC		No. of Spans 1	Span Lengths (ft) 93	
Abut Type A1	Pier Type	Width (ft) 62.958	Length (ft) 97.5	Area (SF) 6138	Wall Length (ft)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC:
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$48,779,509.06

B530317		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0200	Removing Old Structure (station) 001. 438+55 SB	1	LS	\$200,000.00	\$200,000.00	
206.1000	Excavation for Structures Bridges (structure) 003. B-53-317	1	LS	\$12,596.92	\$12,596.92	
210.1500	Backfill Structure Type A	680	TON	\$9.64	\$6,555.20	
305.0120	Base Aggregate Dense 1 1/4-Inch	430	TON	\$5.70	\$2,451.00	
501.1000.S	Ice Hot Weather Concreting	4374	LB	\$0.01	\$43.74	
502.0100	Concrete Masonry Bridges **P**	198	CY	\$485.00	\$96,030.00	
502.3200	Protective Surface Treatment **P**	905	SY	\$2.00	\$1,810.00	
502.3210	Pigmented Surface Sealer	135	SY	\$2.50	\$337.50	
503.0137	Prestressed Girder Type I 36W-Inch **P**	940	LF	\$165.00	\$155,100.00	
505.0400	Bar Steel Reinforcement HS Structures **P**	9340	LB	\$0.90	\$8,406.00	
505.0600	Bar Steel Reinforcement HS Coated Structures **P**	64410	LB	\$0.95	\$61,189.50	
505.0800.S	Bar Steel Reinforcement HS Stainless Structures	2180	LB	\$3.00	\$6,540.00	
506.2605	Bearing Pads Elastomeric Non-Laminated	20	EACH	\$100.00	\$2,000.00	
506.4000	Steel Diaphragms (structure) 003. B-53-17 **P**	18	EACH	\$1,000.00	\$18,000.00	
511.1200	Temporary Shoring (structure) 003. B-53-317	250	SF	\$25.00	\$6,250.00	
516.0500	Rubberized Membrane Waterproofing	30	SY	\$25.00	\$750.00	
550.2108	Piling CIP Concrete 10 3/4 X 0.50-Inch	3225	LF	\$31.00	\$99,975.00	
604.0500	Slope Paving Crushed Aggregate	402	SY	\$22.00	\$8,844.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	200	LF	\$5.97	\$1,194.00	
614.0150	Anchor Assemblies for Steel Plate Beam Guard	2	EACH	\$150.00	\$300.00	
652.0125	Conduit Rigid Metallic 2-Inch **P**	24	LF	\$9.22	\$221.28	
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch **P**	255	LF	\$6.42	\$1,637.10	
653.0222	Junction Boxes 18x12x6-Inch	2	EACH	\$1,052.00	\$2,104.00	
SPV.0035	740. High Performance Concrete (HPC) Masonry Structures **P**	385	CY	\$505.00	\$194,425.00	
SPV.0165	750. Longitudinal Grooving Bridge Deck * **P**	8145	SF	\$0.35	\$2,850.75	
SPV.0195	740. Excavating, Hauling & Disposal of Contaminated Soil	10	TON	\$44.30	\$443.00	
619.1000	Mobilization	0.02	EACH	\$1,874,000.00	=	\$35,560.03

Total Bridge Cost	Total Bridge Cost per SF	Br Manual Bridge Cost	Br Manual Bridge Cost per SF
\$925,614.02	\$150.80	\$725,614.02	\$118.22

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FHWA Bridge Cost	FHWA Bridge Cost per SF	Super. Only Cost pSF	Substructure Only Cost pSF
\$676,804.61	\$109.73	\$52.76	\$65.45
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B530317**Superstructure Bid Items**

501.1000.S	Ice Hot Weather Concreting	1868 LB	\$0.01	\$18.68
502.3200	Protective Surface Treatment **P**	637 SY	\$2.00	\$1,274.00
502.3210	Pigmented Surface Sealer	95 SY	\$2.50	\$237.50
503.0137	Prestressed Girder Type I 36W-Inch **P**	940 LF	\$165.00	\$155,100.00
505.0600	Bar Steel Reinforcement HS Coated Structures **P	38010 LB	\$0.95	\$36,109.50
652.0125	Conduit Rigid Metallic 2-Inch **P**	12 LF	\$9.22	\$110.64
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch **P*	179 LF	\$6.42	\$1,149.18
653.0222	Junction Boxes 18x12x6-Inch	2 EACH	\$1,052.00	\$2,104.00
SPV.0035	740. High Performance Concrete (HPC) Mas onry S	249 CY	\$505.00	\$125,745.00
SPV.0165	750. Longitudinal Grooving Bridge Deck * **P**	5733 SF	\$0.35	\$2,006.55

BRIDGE

Prestressed I-Girder

State of Wisconsin
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Structure ID B530318	Project Contract ID 1003-10-81	Letting Date 8/8/2017	Proposal No. 20170808001	Plans Sign Date 5/11/2017	Crossing: Grade
Designer WisDOT BOS	Contractor ROCK ROAD COMPANIES, INC		No. of Spans 1	Span Lengths (ft) 93	
Abut Type A1	Pier Type	Width (ft) 62.958	Length (ft) 97.5	Area (SF) 6138	Wall Length (ft) Retaining Wall Area (SF)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC:
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$48,779,509.06

B530318		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0200	Removing Old Structure (station) 002. 438+55 NB	1	LS	\$200,000.00	\$200,000.00	
206.1000	Excavation for Structures Bridges (structure) 004. B-53-318	1	LS	\$12,596.92	\$12,596.92	
210.1500	Backfill Structure Type A	680	TON	\$9.64	\$6,555.20	
305.0120	Base Aggregate Dense 1 1/4-Inch	430	TON	\$5.70	\$2,451.00	
501.1000.S	Ice Hot Weather Concreting	4374	LB	\$0.01	\$43.74	
502.0100	Concrete Masonry Bridges **P**	198	CY	\$485.00	\$96,030.00	
502.3200	Protective Surface Treatment **P**	905	SY	\$2.00	\$1,810.00	
502.3210	Pigmented Surface Sealer	135	SY	\$2.50	\$337.50	
503.0137	Prestressed Girder Type I 36W-Inch **P**	940	LF	\$165.00	\$155,100.00	
505.0400	Bar Steel Reinforcement HS Structures **P**	9340	LB	\$0.90	\$8,406.00	
505.0600	Bar Steel Reinforcement HS Coated Structures **P**	64410	LB	\$0.95	\$61,189.50	
505.0800.S	Bar Steel Reinforcement HS Stainless Structures	2180	LB	\$3.00	\$6,540.00	
506.2605	Bearing Pads Elastomeric Non-Laminated	20	EACH	\$100.00	\$2,000.00	
506.4000	Steel Diaphragms (structure) 004. B-53-18 **P**	18	EACH	\$1,000.00	\$18,000.00	
516.0500	Rubberized Membrane Waterproofing	30	SY	\$25.00	\$750.00	
550.2108	Piling CIP Concrete 10 3/4 X 0.50-Inch	2700	LF	\$31.00	\$83,700.00	
604.0500	Slope Paving Crushed Aggregate	402	SY	\$22.00	\$8,844.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	200	LF	\$5.97	\$1,194.00	
614.0150	Anchor Assemblies for Steel Plate Beam Guard	2	EACH	\$150.00	\$300.00	
652.0125	Conduit Rigid Metallic 2-Inch **P**	24	LF	\$9.22	\$221.28	
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch **P**	255	LF	\$6.42	\$1,637.10	
653.0222	Junction Boxes 18x12x6-Inch	2	EACH	\$1,052.00	\$2,104.00	
SPV.0035	740. High Performance Concrete (HPC) Mas onry Structures **P**	385	CY	\$505.00	\$194,425.00	
SPV.0165	750. Longitudinal Grooving Bridge Deck * **P**	8145	SF	\$0.35	\$2,850.75	
SPV.0195	740. Excavating, Hauling & Disposal of C ontaminated Soil	10	TON	\$44.30	\$443.00	
619.1000	Mobilization	0.02	EACH	\$1,874,000.00	=	\$34,660.09

Total Bridge Cost \$902,189.08	Total Bridge Cost per SF \$146.98	Br Manual Bridge Cost \$702,189.08	Br Manual Bridge Cost per SF \$114.40
FHWA Bridge Cost	FWHA Bridge Cost per SF	Super. Only Cost pSF	Substructure Only Cost pSF

\$654,279.61	\$106.59	\$56.02	\$58.38
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B530318	Superstructure Bid Items			
501.1000.S	Ice Hot Weather Concreting	1868 LB	\$0.01	\$18.68
502.3200	Protective Surface Treatment **P**	637 SY	\$2.00	\$1,274.00
502.3210	Pigmented Surface Sealer	95 SY	\$2.50	\$237.50
503.0137	Prestressed Girder Type I 36W-Inch **P**	940 LF	\$165.00	\$155,100.00
505.0600	Bar Steel Reinforcement HS Coated Structures **P	38010 LB	\$0.95	\$36,109.50
506.2605	Bearing Pads Elastomeric Non-Laminated	20 EACH	\$100.00	\$2,000.00
506.4000	Steel Diaphragms (structure) 004. B-53-18 **P**	18 EACH	\$1,000.00	\$18,000.00
652.0125	Conduit Rigid Metallic 2-Inch **P**	12 LF	\$9.22	\$110.64
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch **P*	179 LF	\$6.42	\$1,149.18
653.0222	Junction Boxes 18x12x6-Inch	2 EACH	\$1,052.00	\$2,104.00
SPV.0035	740. High Performance Concrete (HPC) Mas onry S	249 CY	\$505.00	\$125,745.00
SPV.0165	750. Longitudinal Grooving Bridge Deck * **P**	5733 SF	\$0.35	\$2,006.55

BRIDGE

Prestressed I-Girder

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Structure ID B530321	Project Contract ID 1003-10-76	Letting Date 8/8/2017	Proposal No. 20170808001	Plans Sign Date 5/16/2017	Crossing: Grade
Designer AECOM	Contractor ROCK ROAD COMPANIES, INC		No. of Spans 3	Span Lengths (ft) 68,112,75	
Abut Type A1	Pier Type Multi-Column	Width (ft) 62.958	Length (ft) 262.479	Area (SF) 16525	Wall Length (ft) Retaining Wall Area (SF)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC:
Sign Type	Arm Type	Upright Type		Foundation Type	Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)		Max. Sign Depth (ft)	\$48,779,509.06

B530321		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0200	Removing Old Structure (station) 005. 580+29.50 SB	1	LS	\$250,000.00	\$250,000.00	
203.0225.S	Debris Containment (structure) 005. B-53-36	1	LS	\$100.00	\$100.00	
206.1000	Excavation for Structures Bridges (structure) 005. B-53-321	1	LS	\$44,147.92	\$44,147.92	
210.1500	Backfill Structure Type A	980	TON	\$9.64	\$9,447.20	
305.0120	Base Aggregate Dense 1 1/4-Inch	400	TON	\$5.70	\$2,280.00	
501.1000.S	Ice Hot Weather Concreting	12860	LB	\$0.01	\$128.60	
502.0100	Concrete Masonry Bridges **P**	840	CY	\$485.00	\$407,400.00	
502.3200	Protective Surface Treatment **P**	2030	SY	\$2.00	\$4,060.00	
502.3210	Pigmented Surface Sealer	300	SY	\$2.50	\$750.00	
503.0146	Prestressed Girder Type I 45W-Inch **P**	2300	LF	\$165.00	\$379,500.00	
505.0400	Bar Steel Reinforcement HS Structures **P**	31160	LB	\$0.90	\$28,044.00	
505.0600	Bar Steel Reinforcement HS Coated Structures **P**	266160	LB	\$0.95	\$252,852.00	
505.0800.S	Bar Steel Reinforcement HS Stainless Structures	2080	LB	\$3.00	\$6,240.00	
506.2605	Bearing Pads Elastomeric Non-Laminated	36	EACH	\$100.00	\$3,600.00	
506.2610	Bearing Pads Elastomeric Laminated	18	EACH	\$300.00	\$5,400.00	
506.4000	Steel Diaphragms (structure) 005. B-53-321 **P**	32	EACH	\$1,000.00	\$32,000.00	
511.1200	Temporary Shoring (structure) 006. B-53-321	4690	SF	\$25.00	\$117,250.00	
516.0500	Rubberized Membrane Waterproofing	88	SY	\$25.00	\$2,200.00	
550.2126	Piling CIP Concrete 12 3/4 X 0.375-Inch	8585	LF	\$39.00	\$334,815.00	
604.0500	Slope Paving Crushed Aggregate	1260	SY	\$22.00	\$27,720.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	300	LF	\$5.97	\$1,791.00	
614.0150	Anchor Assemblies for Steel Plate Beam Guard	2	EACH	\$150.00	\$300.00	
645.0111	Geotextile Type DF Schedule A	260	SY	\$1.20	\$312.00	
652.0125	Conduit Rigid Metallic 2-Inch **P**	24	LF	\$9.22	\$221.28	
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch **P**	640	LF	\$6.42	\$4,108.80	
653.0222	Junction Boxes 18x12x6-Inch	2	EACH	\$1,052.00	\$2,104.00	
SPV.0035	740. High Performance Concrete (HPC) Mas onry Structures **P**	872	CY	\$505.00	\$440,360.00	
SPV.0165	701. Temporary Shoring Railroad	1300	SF	\$25.00	\$32,500.00	
SPV.0165	750. Longitudinal Grooving Bridge Deck * **P**	17070	SF	\$0.35	\$5,974.50	

BRIDGE

Prestressed I-Girder

State of Wisconsin
Department of Transportation

619.1000 Mobilization	0.05	EACH	\$1,874,000.00	=	\$95,710.85
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Total Bridge Cost	Total Bridge Cost per SF	Br Manual Bridge Cost	Br Manual Bridge Cost per SF
\$2,491,317.15	\$150.76	\$2,241,317.15	\$135.63
FHWA Bridge Cost	FHWA Bridge Cost per SF	Super. Only Cost pSF	Substructure Only Cost pSF
\$2,111,352.22	\$127.77	\$56.60	\$79.03
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B530321**Superstructure Bid Items**

501.1000.S	Ice Hot Weather Concreting	5520 LB	\$0.01	\$55.20
502.3200	Protective Surface Treatment **P**	1760 SY	\$2.00	\$3,520.00
502.3210	Pigmented Surface Sealer	260 SY	\$2.50	\$650.00
503.0146	Prestressed Girder Type I 45W-Inch **P**	2300 LF	\$165.00	\$379,500.00
505.0600	Bar Steel Reinforcement HS Coated Structures **P	144380 LB	\$0.95	\$137,161.00
506.4000	Steel Diaphragms (structure) 005. B-53-321 **P**	32 EACH	\$1,000.00	\$32,000.00
652.0125	Conduit Rigid Metallic 2-Inch **P**	12 LF	\$9.22	\$110.64
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch **P*	520 LF	\$6.42	\$3,338.40
653.0222	Junction Boxes 18x12x6-Inch	2 EACH	\$1,052.00	\$2,104.00
SPV.0035	740. High Performance Concrete (HPC) Mas onry S	736 CY	\$505.00	\$371,680.00
SPV.0165	750. Longitudinal Grooving Bridge Deck * *P**	14780 SF	\$0.35	\$5,173.00

BRIDGE

Prestressed I-Girder

State of Wisconsin
Department of Transportation

Structure ID B530322	Project Contract ID 1003-10-76	Letting Date 8/8/2017	Proposal No. 20170808001	Plans Sign Date 5/16/2017	Crossing: Grade
Designer AECOM	Contractor ROCK ROAD COMPANIES, INC			No. of Spans 3	Span Lengths (ft) 68,112,75
Abut Type A1	Pier Type Multi-Column	Width (ft) 62.958	Length (ft) 262.479	Area (SF) 16525	Wall Length (ft) Retaining Wall Area (SF)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC:
Sign Type	Arm Type	Upright Type		Foundation Type	Total Project Cost \$48,779,509.06
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)		Max. Sign Depth (ft)	

B530322		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0200	Removing Old Structure (station) 006. 579+87.70	1	LS	\$250,000.00	\$250,000.00	
203.0225.S	Debris Containment (structure) 006. B-53-37	1	LS	\$100.00	\$100.00	
206.1000	Excavation for Structures Bridges (structure) 006. B-53-322	1	LS	\$44,147.92	\$44,147.92	
210.1500	Backfill Structure Type A	1020	TON	\$9.64	\$9,832.80	
305.0120	Base Aggregate Dense 1 1/4-Inch	400	TON	\$5.70	\$2,280.00	
501.1000.S	Ice Hot Weather Concreting	12970	LB	\$0.01	\$129.70	
502.0100	Concrete Masonry Bridges **P**	854	CY	\$485.00	\$414,190.00	
502.3200	Protective Surface Treatment **P**	2030	SY	\$2.00	\$4,060.00	
502.3210	Pigmented Surface Sealer	300	SY	\$2.50	\$750.00	
503.0146	Prestressed Girder Type I 45W-Inch **P**	2300	LF	\$165.00	\$379,500.00	
505.0400	Bar Steel Reinforcement HS Structures **P**	31470	LB	\$0.90	\$28,323.00	
505.0600	Bar Steel Reinforcement HS Coated Structures **P**	266640	LB	\$0.95	\$253,308.00	
505.0800.S	Bar Steel Reinforcement HS Stainless Structures	2080	LB	\$3.00	\$6,240.00	
506.2605	Bearing Pads Elastomeric Non-Laminated	36	EACH	\$100.00	\$3,600.00	
506.2610	Bearing Pads Elastomeric Laminated	18	EACH	\$300.00	\$5,400.00	
506.4000	Steel Diaphragms (structure) 006. B-53-322 **P**	32	EACH	\$1,000.00	\$32,000.00	
511.1200	Temporary Shoring (structure) 007. B-53-322	4690	SF	\$25.00	\$117,250.00	
516.0500	Rubberized Membrane Waterproofing	88	SY	\$25.00	\$2,200.00	
550.2126	Piling CIP Concrete 12 3/4 X 0.375-Inch	8815	LF	\$39.00	\$343,785.00	
604.0500	Slope Paving Crushed Aggregate	750	SY	\$22.00	\$16,500.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	300	LF	\$5.97	\$1,791.00	
614.0150	Anchor Assemblies for Steel Plate Beam Guard	2	EACH	\$150.00	\$300.00	
645.0111	Geotextile Type DF Schedule A	240	SY	\$1.20	\$288.00	
652.0125	Conduit Rigid Metallic 2-Inch **P**	24	LF	\$9.22	\$221.28	
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch **P**	640	LF	\$6.42	\$4,108.80	
653.0222	Junction Boxes 18x12x6-Inch	2	EACH	\$1,052.00	\$2,104.00	
SPV.0035	740. High Performance Concrete (HPC) Mas onry Structures **P**	872	CY	\$505.00	\$440,360.00	
SPV.0165	701. Temporary Shoring Railroad	1350	SF	\$25.00	\$33,750.00	
SPV.0165	750. Longitudinal Grooving Bridge Deck * **P**	17070	SF	\$0.35	\$5,974.50	

BRIDGE

Prestressed I-Girder

State of Wisconsin
Department of Transportation

619.1000 Mobilization		0.05 EACH	\$1,874,000.00 =	\$95,986.03
Total Bridge Cost	Total Bridge Cost per SF	Br Manual Bridge Cost	Br Manual Bridge Cost per SF	
\$2,498,480.03	\$151.19	\$2,248,480.03	\$136.07	
FHWA Bridge Cost	FHWA Bridge Cost per SF	Super. Only Cost pSF	Substructure Only Cost pSF	
		\$56.60	\$79.47	
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF	
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF	
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm	

B530322**Superstructure Bid Items**

501.1000.S	Ice Hot Weather Concreting	5520 LB	\$0.01	\$55.20
502.3200	Protective Surface Treatment **P**	1760 SY	\$2.00	\$3,520.00
502.3210	Pigmented Surface Sealer	260 SY	\$2.50	\$650.00
503.0146	Prestressed Girder Type I 45W-Inch **P**	2300 LF	\$165.00	\$379,500.00
505.0600	Bar Steel Reinforcement HS Coated Structures **P	144370 LB	\$0.95	\$137,151.50
506.4000	Steel Diaphragms (structure) 006. B-53-322 **P**	32 EACH	\$1,000.00	\$32,000.00
652.0125	Conduit Rigid Metallic 2-Inch **P**	12 LF	\$9.22	\$110.64
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch **P	520 LF	\$6.42	\$3,338.40
653.0222	Junction Boxes 18x12x6-Inch	2 EACH	\$1,052.00	\$2,104.00
SPV.0035	740. High Performance Concrete (HPC) Mas onry S	736 CY	\$505.00	\$371,680.00
SPV.0165	750. Longitudinal Grooving Bridge Deck * *P**	14780 SF	\$0.35	\$5,173.00

BRIDGE

Prestressed I-Girder

State of Wisconsin
Department of Transportation

Structure ID B700316	Project Contract ID 6190-15-72	Letting Date 8/8/2017	Proposal No. 20170808010	Plans Sign Date 3/20/2017	Crossing: Stream
Designer WisDOT BOS	Contractor LUNDA CONSTRUCTION COMPANY		No. of Spans 7	Span Lengths (ft) 105,100,109,115,109,100,105	
Abut Type A1	Pier Type Hammerhead	Width (ft) 54.33	Length (ft) 747.5	Area (SF) 40612	Wall Length (ft)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC: B7009130001
Sign Type	Arm Type	Upright Type		Foundation Type	Total Project Cost
Arm Length	Min. Vert.Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$11,413,727.07

B700316		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0200	Removing Old Structure placeholder	0		\$0.00	\$0.00	
206.1000	Excavation for Structures Bridges (structure) 001. B-70-316	1 LS		\$1,000.00	\$1,000.00	
206.5000	Cofferdams (structure) 001. B-70-316	1 LS		\$475,000.00	\$475,000.00	
210.1500	Backfill Structure Type A	298 TON		\$23.00	\$6,854.00	
305.0120	Base Aggregate Dense 1 1/4-Inch	224 TON		\$11.75	\$2,632.00	
501.1000.S	Ice Hot Weather Concreting	21550 LB		\$0.75	\$16,162.50	
502.0100	Concrete Masonry Bridges	2873 CY		\$550.00	\$1,580,150.00	
502.1100	Concrete Masonry Seal	266 CY		\$250.00	\$66,500.00	
502.3100	Expansion Device (structure) 001. B-70-316	117.333	1 LS	\$15,000.00	\$15,000.00	\$127.84
502.3200	Protective Surface Treatment	3800 SY		\$2.00	\$7,600.00	
502.3210	Pigmented Surface Sealer	393 SY		\$3.00	\$1,179.00	
503.0146	Prestressed Girder Type I 45W-Inch	5937 LF		\$150.00	\$890,550.00	
505.0400	Bar Steel Reinforcement HS Structures	19420 LB		\$1.00	\$19,420.00	
505.0600	Bar Steel Reinforcement HS Coated Structures	515020 LB		\$1.10	\$566,522.00	
505.0800.S	Bar Steel Reinforcement HS Stainless Structures	1290 LB		\$4.00	\$5,160.00	
506.2605	Bearing Pads Elastomeric Non-Laminated	80 EACH		\$150.00	\$12,000.00	
506.2610	Bearing Pads Elastomeric Laminated	32 EACH		\$800.00	\$25,600.00	
506.4000	Steel Diaphragms (structure) 001. B-70-316	98 EACH		\$800.00	\$78,400.00	
509.5100.S	Polymer Overlay	793 SY		\$40.00	\$31,720.00	
513.7026	Railing Steel Type C5 (structure) 001. B-70-316	1500 LF		\$150.00	\$225,000.00	
516.0500	Rubberized Membrane Waterproofing	26 SY		\$25.00	\$650.00	
517.1015.S	Concrete Staining Multi-Color (structure) 001. B-70-316	5300 SF		\$2.00	\$10,600.00	
517.1050.S	Architectural Surface Treatment (structure) 001. B-70-316	5300 SF		\$3.00	\$15,900.00	
550.0500	Pile Points	174 EACH		\$125.00	\$21,750.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb	1250 LF		\$30.00	\$37,500.00	
550.1120	Piling Steel HP 12-Inch X 53 Lb	7050 LF		\$35.00	\$246,750.00	
604.0400	Slope Paving Concrete	34 SY		\$100.00	\$3,400.00	
652.0125	Conduit Rigid Metallic 2-Inch	58 LF		\$35.00	\$2,030.00	
652.0210	Conduit Rigid Nonmetallic Schedule 40 1-Inch	151 LF		\$5.00	\$755.00	

BRIDGE

Prestressed I-Girder

State of Wisconsin
Department of Transportation

652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	2455 LF	\$5.00	\$12,275.00
653.0222	Junction Boxes 18x12x6-Inch	18 EACH	\$1,250.00	\$22,500.00
657.6005.S	Anchor Assemblies Light Poles on Structures	8 EACH	\$450.00	\$3,600.00
SPV.0035	405. Hauling Structure Excavation B-70-3 16	1440 CY	\$18.00	\$25,920.00
SPV.0060	411. Clearance Gauge	2 EACH	\$1,000.00	\$2,000.00
SPV.0105	350. Navigational Lights and Aids	1 LS	\$50,000.00	\$50,000.00
SPV.0105	450. Rem Old Structure Over Waterway Wit h Minimal Debris Mod	1 LS	\$284,000.00	\$284,000.00

619.1000 Mobilization 0.46 EACH \$1,145,990.00 = \$531,945.78

Total Bridge Cost	Total Bridge Cost per SF	Br Manual Bridge Cost	Br Manual Bridge Cost per SF
\$5,298,025.28	\$130.45	\$5,298,025.28	\$130.45
FHWA Bridge Cost	FHWA Bridge Cost per SF	Super. Only Cost pSF	Substructure Only Cost pSF
\$4,389,119.50	\$108.07	\$67.43	\$63.02
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B700316		Superstructure Bid Items		
501.1000.S	Ice Hot Weather Concreting	21550 LB	\$0.75	\$16,162.50
502.0100	Concrete Masonry Bridges	1787 CY	\$550.00	\$982,850.00
502.3200	Protective Surface Treatment	3630 SY	\$2.00	\$7,260.00
502.3210	Pigmented Surface Sealer	393 SY	\$3.00	\$1,179.00
503.0146	Prestressed Girder Type I 45W-Inch	5937 LF	\$150.00	\$890,550.00
505.0600	Bar Steel Reinforcement HS Coated Structures	364360 LB	\$1.10	\$400,796.00
505.0800.S	Bar Steel Reinforcement HS Stainless Structures	1290 LB	\$4.00	\$5,160.00
506.2605	Bearing Pads Elastomeric Non-Laminated	80 EACH	\$150.00	\$12,000.00
506.2610	Bearing Pads Elastomeric Laminated	32 EACH	\$800.00	\$25,600.00
506.4000	Steel Diaphragms (structure) 001. B-70-316	98 EACH	\$800.00	\$78,400.00
509.5100.S	Polymer Overlay	793 SY	\$40.00	\$31,720.00
513.7026	Railing Steel Type C5 (structure) 001. B-70-316	1500 LF	\$150.00	\$225,000.00
517.1015.S	Concrete Staining Multi-Color (structure) 001. B-70	4400 SF	\$2.00	\$8,800.00
517.1050.S	Architectural Surface Treatment (structure) 001. B-	4400 SF	\$3.00	\$13,200.00
652.0125	Conduit Rigid Metallic 2-Inch	58 LF	\$35.00	\$2,030.00
652.0210	Conduit Rigid Nonmetallic Schedule 40 1-Inch	43 LF	\$5.00	\$215.00
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	2310 LF	\$5.00	\$11,550.00
653.0222	Junction Boxes 18x12x6-Inch	18 EACH	\$1,250.00	\$22,500.00
657.6005.S	Anchor Assemblies Light Poles on Structures	8 EACH	\$450.00	\$3,600.00

Structure ID	Project Contract ID	Letting Date	Proposal No.	Plans Sign Date	Crossing:
B230175	1690-00-82	9/12/2017	20170912001	5/11/2017	Stream
Designer	Contractor		No. of Spans	Span Lengths (ft)	
WisDOT BOS	CONCRETE STRUCTURES, INC.		1	36	
Abut Type	Pier Type	Width (ft)	Length (ft)	Area (SF)	Wall Length (ft)
A1		46.896	39.1667	1837	
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC:
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert.Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$629,315.18

B230175		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 01	1	LS	\$5,000.00	\$5,000.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-23-0175	1	LS	\$5,000.00	\$5,000.00	
210.1500	Backfill Structure Type A	146	TON	\$20.00	\$2,920.00	
305.0120	Base Aggregate Dense 1 1/4-Inch	290	TON	\$14.75	\$4,277.50	
502.0100	Concrete Masonry Bridges	333	CY	\$550.00	\$183,150.00	
502.3200	Protective Surface Treatment	378	SY	\$3.00	\$1,134.00	
502.3210	Pigmented Surface Sealer	70	SY	\$10.00	\$700.00	
505.0400	Bar Steel Reinforcement HS Structures	5760	LB	\$0.90	\$5,184.00	
505.0600	Bar Steel Reinforcement HS Coated Structures	47780	LB	\$1.00	\$47,780.00	
505.0800.S	Bar Steel Reinforcement HS Stainless Structures	440	LB	\$3.50	\$1,540.00	
516.0500	Rubberized Membrane Waterproofing	24	SY	\$32.00	\$768.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb	805	LF	\$35.00	\$28,175.00	
606.0300	Riprap Heavy	159	CY	\$48.00	\$7,632.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	174	LF	\$8.00	\$1,392.00	
614.0150	Anchor Assemblies for Steel Plate Beam Guard	4	EACH	\$300.00	\$1,200.00	
645.0120	Geotextile Type HR	248	SY	\$3.00	\$744.00	

619.1000	Mobilization	0.49	EACH	\$21,600.00	=	\$10,541.92
Total Bridge Cost	Total Bridge Cost per SF	Br Manual Bridge Cost	Br Manual Bridge Cost per SF			
\$307,138.42	\$167.20	\$302,138.42	\$164.47			
FHWA Bridge Cost	FWHA Bridge Cost per SF	Super. Only Cost pSF	Substructure Only Cost pSF			
		\$51.33	\$113.14			
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF			
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF			
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm			

B230175		Superstructure Bid Items			
502.0100	Concrete Masonry Bridges	125	CY	\$550.00	\$68,750.00
502.3200	Protective Surface Treatment	182	SY	\$3.00	\$546.00

502.3210	Pigmented Surface Sealer	34 SY	\$10.00	\$340.00
505.0600	Bar Steel Reinforcement HS Coated Structures	24660 LB	\$1.00	\$24,660.00

BRIDGE

Concrete Flat Slab

State of Wisconsin
Department of Transportation

Structure ID B330130	Project Contract ID 5671-00-76	Letting Date 9/12/2017	Proposal No. 20170912003	Plans Sign Date 5/12/2017	Crossing: Stream
Designer Jewell	Contractor CONCRETE STRUCTURES, INC.		No. of Spans 1	Span Lengths (ft) 34	
Abut Type A5	Pier Type	Width (ft) 28.5	Length (ft) 36.667	Area (SF) 1045	Wall Length (ft)
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC:
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert. Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$333,246.39

B330130		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0500.S	Removing Old Structure Over Waterway (station) 01. Sta. 12+50	1	LS	\$4,000.00	\$4,000.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-33-0130	1	LS	\$12,000.00	\$12,000.00	
210.1500	Backfill Structure Type A	250	TON	\$20.00	\$5,000.00	
502.0100	Concrete Masonry Bridges	120	CY	\$700.00	\$84,000.00	
502.3200	Protective Surface Treatment	140	SY	\$3.00	\$420.00	
505.0400	Bar Steel Reinforcement HS Structures	4530	LB	\$1.00	\$4,530.00	
505.0600	Bar Steel Reinforcement HS Coated Structures	15090	LB	\$1.00	\$15,090.00	
513.4061	Railing Tubular Type M (structure) 01. B-33-0130	77	LF	\$233.00	\$17,941.00	
516.0500	Rubberized Membrane Waterproofing	12	SY	\$32.00	\$384.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb	410	LF	\$40.00	\$16,400.00	
606.0300	Riprap Heavy	160	CY	\$48.00	\$7,680.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	180	LF	\$8.00	\$1,440.00	
645.0111	Geotextile Type DF Schedule A	90	SY	\$8.00	\$720.00	
645.0120	Geotextile Type HR	270	SY	\$3.00	\$810.00	
619.1000	Mobilization	0.55	EACH	\$25,000.00	=	\$13,821.33

Total Bridge Cost \$184,236.33	Total Bridge Cost per SF \$176.30	Br Manual Bridge Cost \$180,236.33	Br Manual Bridge Cost per SF \$172.48
FHWA Bridge Cost \$157,925.00	FWHA Bridge Cost per SF \$151.12	Super. Only Cost pSF \$75.68	Substructure Only Cost pSF \$96.80
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm

B330130		Superstructure Bid Items			
502.0100	Concrete Masonry Bridges	69	CY	\$700.00	\$48,300.00
502.3200	Protective Surface Treatment	140	SY	\$3.00	\$420.00
505.0600	Bar Steel Reinforcement HS Coated Structures	12420	LB	\$1.00	\$12,420.00
513.4061	Railing Tubular Type M (structure) 01. B-33-0130	77	LF	\$233.00	\$17,941.00

Structure ID	Project Contract ID	Letting Date	Proposal No.	Plans Sign Date	Crossing:
B330131	5695-00-72	9/12/2017	20170912012	6/5/2017	Grade
Designer	Contractor		No. of Spans	Span Lengths (ft)	
MSA	CONCRETE STRUCTURES, INC.		1	46	
Abut Type	Pier Type	Width (ft)	Length (ft)	Area (SF)	Wall Length (ft)
A5		32.5	48.583	1579	
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC:
					P330064
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
Arm Length	Min. Vert.Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		\$399,367.22

B330131		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 01.	1	LS	\$6,000.00	\$6,000.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-33-131	1	LS	\$6,000.00	\$6,000.00	
210.1500	Backfill Structure Type A	620	TON	\$20.00	\$12,400.00	
502.0100	Concrete Masonry Bridges	226	CY	\$575.00	\$129,950.00	
502.3200	Protective Surface Treatment	260	SY	\$3.00	\$780.00	
505.0400	Bar Steel Reinforcement HS Structures	5470	LB	\$1.00	\$5,470.00	
505.0600	Bar Steel Reinforcement HS Coated Structures	24790	LB	\$1.00	\$24,790.00	
513.4061	Railing Tubular Type M (structure) 01. B-33-131	101	LF	\$213.00	\$21,513.00	
516.0500	Rubberized Membrane Waterproofing	14	SY	\$32.00	\$448.00	
550.0020	Pre-Boring Rock or Consolidated Materials	145	LF	\$85.00	\$12,325.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb	197	LF	\$30.00	\$5,910.00	
606.0300	Riprap Heavy	355	CY	\$45.00	\$15,975.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	210	LF	\$8.00	\$1,680.00	
645.0111	Geotextile Type DF Schedule A	110	SY	\$8.00	\$880.00	
645.0120	Geotextile Type HR	650	SY	\$3.00	\$1,950.00	

619.1000	Mobilization		0.66	EACH	\$24,300.00	=	\$15,942.54
Total Bridge Cost	Total Bridge Cost per SF	Br Manual Bridge Cost	Br Manual Bridge Cost per SF				
\$262,013.54	\$165.94	\$256,013.54	\$162.14				
FHWA Bridge Cost	FHWA Bridge Cost per SF	Super. Only Cost pSF	Substructure Only Cost pSF				
\$222,146.00	\$140.69	\$73.44	\$88.70				
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF				
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF				
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm				

B330131		Superstructure Bid Items			
502.0100	Concrete Masonry Bridges	127	CY	\$575.00	\$73,025.00
502.3200	Protective Surface Treatment	205	SY	\$3.00	\$615.00
505.0600	Bar Steel Reinforcement HS Coated Structures	20810	LB	\$1.00	\$20,810.00

513.4061	Railing Tubular Type M (structure) 01. B-33-131	101 LF	\$213.00	\$21,513.00
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Structure ID	Project Contract ID	Letting Date	Proposal No.	Plans Sign Date	Crossing:
B410313	5018-00-71	9/12/2017	20170912002	5/12/2017	Stream
Designer	Contractor		No. of Spans	Span Lengths (ft)	
MSA	CONCRETE STRUCTURES, INC.		1	48	
Abut Type	Pier Type	Width (ft)	Length (ft)	Area (SF)	Wall Length (ft)
A5		26.5	50.75	1345	
No. of Cells	Culvert Size	Barrel/Extension Length (ft)		Overall Culvert Length (ft)	EXTG_STRC:
Sign Type	Arm Type	Upright Type	Foundation Type		Total Project Cost
					\$350,611.99
Arm Length	Min. Vert.Clearance (ft)	Design Sign Area (SF)	Max. Sign Depth (ft)		

B410313		Structure Bid Items				
ITEM	Desc	QTY	IUNITS	BIDPRICE	Bid Amt	Cost per LF
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (st 01.	1	LS	\$4,500.00	\$4,500.00	
206.1000	Excavation for Structures Bridges (structure) 01. B-41-0313	1	LS	\$5,000.00	\$5,000.00	
210.1500	Backfill Structure Type A	380	TON	\$24.00	\$9,120.00	
502.0100	Concrete Masonry Bridges	183	CY	\$525.00	\$96,075.00	
502.3200	Protective Surface Treatment	229	SY	\$3.00	\$687.00	
505.0400	Bar Steel Reinforcement HS Structures	4580	LB	\$0.90	\$4,122.00	
505.0600	Bar Steel Reinforcement HS Coated Structures	22970	LB	\$1.00	\$22,970.00	
513.4061	Railing Tubular Type M (structure) 01. B-41-0313	105	LF	\$202.00	\$21,210.00	
516.0500	Rubberized Membrane Waterproofing	13	SY	\$32.00	\$416.00	
550.0500	Pile Points	14	EACH	\$125.00	\$1,750.00	
550.1100	Piling Steel HP 10-Inch X 42 Lb	280	LF	\$50.00	\$14,000.00	
606.0300	Riprap Heavy	220	CY	\$48.50	\$10,670.00	
612.0406	Pipe Underdrain Wrapped 6-Inch	190	LF	\$8.00	\$1,520.00	
645.0111	Geotextile Type DF Schedule A	100	SY	\$3.50	\$350.00	
645.0120	Geotextile Type HR	405	SY	\$3.00	\$1,215.00	
SPV.0105	01. Temporary Water Diversion, Unnamed Tributary to Brush Creek	1	LS	\$3,870.00	\$3,870.00	

619.1000	Mobilization		0.60 EACH	\$19,905.00	=	\$11,885.87
Total Bridge Cost	Total Bridge Cost per SF	Br Manual Bridge Cost	Br Manual Bridge Cost per SF			
\$209,360.87	\$155.66	\$204,860.87	\$152.31			
FHWA Bridge Cost	FWHA Bridge Cost per SF	Super. Only Cost pSF	Substructure Only Cost pSF			
\$177,220.00	\$131.76	\$74.79	\$77.52			
Total Ret Wall Cost	Total Ret Wall Cost per SF	Br Manual Ret Wall Cost	Br Manual Ret Wall Cost per SF			
Total Culvert Cost	Total Culvert Cost per LF	Br Manual Culvert Cost	Br Manual Culvert Cost per LF			
Total Sign Cost	Total Sign Cost per LF of Arm	Br Manual Sign Cost	Br Manual Sign Cost per LF of Arm			

B410313		Superstructure Bid Items			
502.0100	Concrete Masonry Bridges	113	CY	\$525.00	\$59,325.00
502.3200	Protective Surface Treatment	185	SY	\$3.00	\$555.00

505.0600	Bar Steel Reinforcement HS Coated Structures	19500 LB	\$1.00	\$19,500.00
513.4061	Railing Tubular Type M (structure) 01. B-41-0313	105 LF	\$202.00	\$21,210.00