



**Wisconsin Department of Transportation
Final Detail Cost Estimate**

Project ID: 5587-00-72

Project Description: Ush 61 - Livingston; Leggett Creek Bridge
B-22-0286

Spec Book: 03

Date Printed: 5/10/2018

Federal Project Number: WISC 2017507

State Project Number: 5587-00-72



Final Detail Estimate Cost Summary

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Project ID: 5587-00-72

Project Description: Ush 61 - Livingston; Leggett Creek Bridge B-22-0286

Awarded Vendor: LA40

LARSON CONSTRUCTION CO., INC.

Fund Package			Total Fund Package Cost	E&C Amount	Total	Funding Limit	Funding
Fund	CNTY	Grant County					
Package	0010		2,855.39	428.31	3,283.70		3,283.70
Package	0010		40,217.39	6,032.61	46,250.00		46,250.00
Package	0020		0.00	0.00	0.00		0.00
Package	0020		84,714.50	12,707.18	97,421.68		97,421.68
Fund	CNTY	Totals	\$127,787.28	\$19,168.10	\$146,955.38		\$146,955.38
Fund	FED	Federal					
Package	0010		160,869.57	24,130.43	185,000.00	185,000.00	185,000.00
Package	0020		338,858.00	50,828.70	389,686.70	442,200.00	389,686.70
Fund	FED	Totals	\$499,727.57	\$74,959.13	\$574,686.70		\$574,686.70
Project Total 5587-00-72			\$627,514.85	\$94,127.23	\$721,642.08		\$721,642.08



Final Detail Cost Estimate

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Project ID:5587-00-72

Federal Project No.: WISC 2017507

Contract ID: 20171114011

Project Description: Ush 61 - Livingston; Leggett Creek Bridge B-22-0286

Awarded Vendor: LA40

LARSON CONSTRUCTION CO., INC.

Category: 0010

ROADWAY ITEMS

Funding Source(s) and Participation:

1 CNTY	Grant County
1 FED	Federal
2 CNTY	Grant County

20.00%	0.00
80.00%	185000.00
100.00%	0.00

Category Work Class: RDCN

Roadway Construction

Fed Work Category: 04

Reconstruction - No Added Capacity

Category Length: 0.0600 MILES

Fed Construction Class: LET

Let Project Items

Category Width: 28.0000 FEET

Line No.	Item Number	Item Description	Units	Qty	Unit Price	Amount
0002	201.0105	Clearing	STA	2.000	290.00000	580.00
0004	201.0205	Grubbing	STA	2.000	290.00000	580.00
0006	205.0100	Excavation Common **P**	CY	247.000	7.50000	1,852.50
0008	208.0100	Borrow	CY	4,407.000	11.50000	50,680.50
0010	213.0100	Finishing Roadway (project) 01. 5587-00-72	EACH	1.000	1,500.00000	1,500.00
0012	305.0110	Base Aggregate Dense 3/4-Inch	TON	125.000	22.05000	2,756.25
0014	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	895.000	17.35000	15,528.25
0016	416.1010	Concrete Surface Drains	CY	4.600	450.00000	2,070.00
0018	455.0605	Tack Coat	GAL	61.000	8.00000	488.00
0020	460.2000	Incentive Density HMA Pavement	DOL	130.000	1.00000	130.00
0026	520.1012	Apron Endwalls for Culvert Pipe 12-Inch	EACH	2.000	275.00000	550.00
0028	606.0200	Riprap Medium	CY	130.000	56.00000	7,280.00
0030	611.0654	Inlet Covers Type V	EACH	2.000	725.00000	1,450.00
0032	611.3220	Inlets 2x2-FT	EACH	2.000	1,345.00000	2,690.00
0034	612.0212	Pipe Underdrain Unperforated 12-Inch	LF	45.000	66.00000	2,970.00
0036	614.0200	Steel Thrie Beam Structure Approach	LF	21.000	54.00000	1,134.00
0038	614.0305	Steel Plate Beam Guard Class A	LF	13.000	22.00000	286.00



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ROADWAY ITEMS

Line No.	Item Number	Item Description	Units	Qty	Unit Price	Amount
0040	614.0390	Steel Plate Beam Guard Short Radius Terminal	EACH	1.000	1,450.00000	1,450.00
0042	614.0920	Salvaged Rail	LF	575.000	2.50000	1,437.50
0044	614.2300	MGS Guardrail 3	LF	207.000	18.50000	3,829.50
0046	614.2500	MGS Thrie Beam Transition	LF	117.000	65.00000	7,605.00
0048	614.2610	MGS Guardrail Terminal EAT	EACH	3.000	2,600.00000	7,800.00
0050	619.1000	Mobilization	EACH	0.250	59,250.00000	14,812.50
0052	624.0100	Water	MGAL	18.800	40.00000	752.00
0054	625.0500	Salvaged Topsoil **P**	SY	2,625.000	4.00000	10,500.00
0056	627.0200	Mulching	SY	27,750.000	0.12000	3,330.00
0058	628.1504	Silt Fence	LF	666.000	2.25000	1,498.50
0060	628.1520	Silt Fence Maintenance	LF	666.000	0.25000	166.50
0062	628.1905	Mobilizations Erosion Control	EACH	5.000	250.00000	1,250.00
0064	628.1910	Mobilizations Emergency Erosion Control	EACH	5.000	350.00000	1,750.00
0066	628.2006	Erosion Mat Urban Class I Type A	SY	2,551.000	1.60000	4,081.60
0068	628.6005	Turbidity Barriers	SY	105.000	33.00000	3,465.00
0070	628.7504	Temporary Ditch Checks	LF	150.000	9.00000	1,350.00
0072	628.7570	Rock Bags	EACH	30.000	12.00000	360.00
0074	629.0210	Fertilizer Type B	CWT	20.120	54.00000	1,086.48
0076	630.0130	Seeding Mixture No. 30 **P**	LB	48.000	12.50000	600.00
0078	630.0200	Seeding Temporary **P**	LB	36.000	6.50000	234.00
0080	630.0300	Seeding Borrow Pit	LB	375.000	6.50000	2,437.50
0082	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	4.000	60.00000	240.00



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LARSON CONSTRUCTION CO., INC.

Category: 0010

ROADWAY ITEMS

Line No.	Item Number	Item Description	Units	Qty	Unit Price	Amount
0084	637.2230	Signs Type II Reflective F	SF	12.000	25.00000	300.00
0086	638.2602	Removing Signs Type II	EACH	4.000	25.00000	100.00
0088	638.3000	Removing Small Sign Supports	EACH	4.000	25.00000	100.00
0090	642.5001	Field Office Type B	EACH	0.250	1,400.00000	350.00
0092	643.0100	Traffic Control (project) 01. 5587-00-72	EACH	1.000	2,644.48000	2,644.48
0094	645.0130	Geotextile Type R	SY	473.000	3.00000	1,419.00
0096	646.0106	Pavement Marking Epoxy 4-Inch	LF	1,535.000	2.30000	3,530.50
0098	650.4000	Construction Staking Storm Sewer	EACH	2.000	250.00000	500.00
0100	650.4500	Construction Staking Subgrade	LF	520.000	0.00100	0.52
0102	650.5000	Construction Staking Base	LF	520.000	0.00100	0.52
0104	650.9910	Construction Staking Supplemental Control (project) 01. 5587-00-72	LS	1.000	500.00000	500.00
0106	650.9920	Construction Staking Slope Stakes	LF	520.000	0.40000	208.00
0108	690.0150	Sawing Asphalt	LF	295.000	2.25000	663.75
0110	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	1,200.000	5.00000	6,000.00
0112	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	600.000	5.00000	3,000.00
0160	465.0105	Asphaltic Surface	TON	197.000	112.00000	22,064.00

Category 0010 Total: \$203,942.35

Eng & Contg: \$30,591.35

Total: \$234,533.70



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LARSON CONSTRUCTION CO., INC.

Category: 0020

STRUCTURE - BRIDGE REPLACEMENT

Funding Source(s) and Participation:	1 CNTY	Grant County	20.00%	0.00
	1 FED	Federal	80.00%	442200.00
	2 CNTY	Grant County	100.00%	0.00

Category Work Class: BRCN Bridge Construction

Fed Work Category: 10 Bridge Replacement

Category Length: 95.6000 FEET

Fed Construction Class: LET Let Project Items

Category Width: 30.0000 FEET

Line No.	Item Number	Item Description	Units	Qty	Unit Price	Amount
0114	203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (station) 01. 9+12	LS	1.000	15,000.00000	15,000.00
0116	206.1000	Excavation for Structures Bridges (structure) 01. B-22-286	LS	1.000	12,000.00000	12,000.00
0118	210.1500	Backfill Structure Type A	TON	470.000	27.00000	12,690.00
0120	502.0100	Concrete Masonry Bridges	CY	217.000	650.00000	141,050.00
0122	502.3200	Protective Surface Treatment	SY	320.000	3.00000	960.00
0124	502.3210	Pigmented Surface Sealer	SY	100.000	3.00000	300.00
0126	503.0146	Prestressed Girder Type I 45W-Inch	LF	376.000	255.00000	95,880.00
0128	505.0400	Bar Steel Reinforcement HS Structures	LB	3,360.000	1.30000	4,368.00
0130	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	27,710.000	1.30000	36,023.00
0132	506.2605	Bearing Pads Elastomeric Non-Laminated	EACH	8.000	65.00000	520.00
0134	506.4000	Steel Diaphragms (structure) 01. B-22-286	EACH	6.000	1,000.00000	6,000.00
0136	516.0500	Rubberized Membrane Waterproofing	SY	14.000	47.00000	658.00
0138	550.1120	Piling Steel HP 12-Inch X 53 Lb	LF	420.000	31.00000	13,020.00
0140	606.0300	Riprap Heavy	CY	415.000	56.00000	23,240.00
0142	606.0700	Grouted Riprap Heavy	CY	100.000	75.00000	7,500.00
0144	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	158.000	9.00000	1,422.00
0146	614.0150	Anchor Assemblies for Steel Plate Beam Guard	EACH	4.000	175.00000	700.00



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Category: 0020

STRUCTURE - BRIDGE REPLACEMENT

Line No.	Item Number	Item Description	Units	Qty	Unit Price	Amount
0148	619.1000	Mobilization	EACH	0.750	59,250.00000	44,437.50
0150	642.5001	Field Office Type B	EACH	0.750	1,400.00000	1,050.00
0152	645.0111	Geotextile Type DF Schedule A	SY	100.000	3.00000	300.00
0154	645.0120	Geotextile Type HR	SY	890.000	3.00000	2,670.00
0156	650.6500	Construction Staking Structure Layout (structure) 01. B-22-286	LS	1.000	2,500.00000	2,500.00
0158	715.0502	Incentive Strength Concrete Structures	DOL	1,284.000	1.00000	1,284.00

Category 0020 Total: \$423,572.50

Eng & Contg: \$63,535.88

Total: \$487,108.38

Project 5587-00-72 Total: \$594,179.97

Estimate Total: \$627,514.85

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Category	Cost	E & C Percent	E&C Amount	Total	Funding Package	Fund	Funding Amount	
0020	STRUCTURE - BRIDGE REPLACEMENT							
	423,572.50	15 %	63,535.88	487,108.38	0020	CNTY	Grant County	97,421.68
					0020	FED	Federal	389,686.70
					0020	CNTY	Grant County	0.00
					Category Total		0020	\$487,108.38
0010	ROADWAY ITEMS							
	203,942.35	15 %	30,591.35	234,533.70	0010	CNTY	Grant County	46,250.00
					0010	FED	Federal	185,000.00
					0010	CNTY	Grant County	3,283.70
					Category Total		0010	\$234,533.70
					Project Total		5587-00-72	\$721,642.08