

Wisconsin Department of Transportation
Explanation of Variation Between Contract and Final Quantities

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09/10/2018

Contract: 20170912002 **Contractor:** CONCRETE STRUCTURES, INC. **Projects**
Location: Monroe 5018-00-71
Highway:

Prop. Line Item #.	Description	Unit Price	Unit	Authorized Quantity	Quantity Paid	Variation Quantity	Variation Percent
201.0105		550.00	STA	2.00	2.00	0.00	0%
	Clearing						
	0002						
201.0205		550.00	STA	2.00	2.00	0.00	0%
	Grubbing						
	0004						
203.0600.S		4500.00	LS	1.00	1.00	0.00	0%
	Rem Old Str Ovr Water Min Debris (sta)						
	0006			01. 10+00			
205.0100		9.00	CY	1,628.00	1,670.00	+42.00	+3%
	Excavation Common						
	0008						
206.1000		5000.00	LS	1.00	1.00	0.00	0%
	Exc for Structure Bridges (structure)						
	0010			01. B-41-0313			

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305.0120		16.00	TON	240.00	361.90	+121.90	+51%
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Base Aggregate Dense 1 1/4-Inch

0020

Extra material used to fill in EBS area.

305.0410		24.00	TON	195.00	238.17	+43.17	+22%
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Aggregate Detours

0022

Used extra material used to repair ruts in bypass road.

455.0605		7.25	GAL	25.00	0.00	-25.00	-100%
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Tack Coat

0024

Item not used because second lift was paved ontop of first lift while it was still hot.

465.0105		112.61	TON	95.00	117.87	+22.87	+24%
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Asphaltic Surface

0026

Limits of pavement replacement extended to the south to repair damaged pavement.

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502.0100		525.00	CY	183.00	183.00	0.00	0%
	Concrete Masonry Bridges						
0028							
502.3200		3.00	SY	229.00	222.40	-6.60	-3%
	Protective Surface Treatment						
0030							
	Riprap covered a portion of the wing walls and were unable to be sprayed.						
505.0400		.90	LB	4,580.00	4,580.00	0.00	0%
	Bar Steel Reinforcement HS Structures						
0032							
505.0600		1.00	LB	22,970.00	22,970.00	0.00	0%
	Bar Steel Reinforcemnt HS Coated Strctrs						
0034							
513.4061		202.00	LF	105.00	105.00	0.00	0%
	Railing Tubular Type M (structure)						
0036				01. B-41-0313			

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516.0500		32.00	SY	13.00	11.10	-1.90	-15%
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Rubberized Membrane Waterproofing

0038

Actual field conditions varied from plan quantity. Minor differential.

526.0100		40000.00	LS	1.00	1.00	0.00	0%
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Temporary Structure (station)

0040

01. 20+35

550.0500		125.00	EACH	14.00	14.00	0.00	0%
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Pile Points

0042

550.1100		50.00	LF	280.00	240.40	-39.60	-14%
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Piling Steel HP 10-Inch X 42 Lb

0044

Plan quantity is an estimate based on soil borings. Quantity paid based on driven field lengths and cutoffs.

Prop. Line # Item #.	Description	Unit Price	Unit	Authorized Quantity	Quantity Paid	Variation Quantity	Variation Percent
606.0300		48.50	CY	358.00	440.00	+82.00	+23%
	Riprap Heavy						
	0046						
	Extra Riprap used along south bank to prevent further erosion in an area that was already showing erosion issues.						
612.0406		8.00	LF	190.00	161.00	-29.00	-15%
	Pipe Underdrain Wrapped 6-Inch						
	0048						
	Item installed per plan, shorter length needed to daylight end of pipe.						
619.1000		19905.00	EACH	1.00	0.99	-0.01	-1%
	Mobilization						
	0050						
624.0100		15.00	MGAL	70.00	1.00	-69.00	-99%
	Water						
	0052						
	The water allotted for erosion control items was not used.						

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Prop. Line Item #.	Description	Unit Price	Unit	Authorized Quantity	Quantity Paid	Variation Quantity	Variation Percent
625.0500		3.40	SY	1,585.00	1,818.00	+233.00	+15%
	Salvaged Topsoil						
	0054						
	Extra material used to repair site in NW corner.						
627.0200		.30	SY	1,865.00	4,076.00	+2,211.00	+119%
	Mulching						
	0056						
	No plan quantity allotted for borrow site restoration.						
628.1504		2.50	LF	300.00	413.00	+113.00	+38%
	Silt Fence						
	0058						
	No plan quantity allotted for borrow site restoration.						
628.1520		1.00	LF	300.00	65.00	-235.00	-78%
	Silt Fence Maintenance						
	0060						
	Silt fence was maintained as needed.						

Prop. Line Item #.	Description	Unit Price	Unit	Authorized Quantity	Quantity Paid	Variation Quantity	Variation Percent
628.1905		300.00	EACH	2.00	4.00	+2.00	+100%
	Mobilizations Erosion Control						
	0062						
	Contractor was mobilized on site when necessary to complete erosion control and restoration.						
628.1910		350.00	EACH	2.00	0.00	-2.00	-100%
	Mobilization Emergency Erosion Control						
	0064						
	Contractor was mobilized on site when necessary to complete erosion control and restoration. On this project, emergency mobilizations were not necessary due to the low intensity type of work.						
628.2008		1.75	SY	505.00	762.50	+257.50	+51%
	Erosion Mat Urban Class I Type B						
	0066						
	Extra material used for borrow site restoration.						
628.6005		26.75	SY	400.00	440.00	+40.00	+10%
	Turbidity Barriers						
	0068						
	Water depth was deeper than the plan had anticipated which required taller turbidity barrier to be ordered and installed.						

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Prop. Line Item #.	Description	Unit Price	Unit	Authorized Quantity	Quantity Paid	Variation Quantity	Variation Percent
628.7504		10.00	LF	40.00	30.00	-10.00	-25%
	Temporary Ditch Checks						
	0070						
	Item was used as needed.						
629.0210		90.00	CWT	1.70	1.50	-0.20	-12%
	Fertilizer Type B						
	0072						
	Item applied at specified rate, 3 50 pound bags were used.						
630.0160		20.00	LB	28.00	28.00	0.00	0%
	Seeding Mixture No. 60						
	0074						
630.0200		5.00	LB	70.00	110.00	+40.00	+57%
	Seeding Temporary						
	0076						
	No plan quantity for borrow pit restoration. Item was used as needed and applied at the appropriate rate.						

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633.1100		11.00	EACH	32.00	23.00	-9.00	-28%
	Delineators Temporary						
	0078						
	Shorter bypass roadway required less .						
633.5100		25.00	EACH	6.00	6.00	0.00	0%
	Markers Row						
	0080						
634.0612		55.00	EACH	4.00	4.00	0.00	0%
	Posts Wood 4x6-Inch X 12-FT						
	0082						
637.2230		25.00	SF	12.00	12.00	0.00	0%
	Signs Type II Reflective F						
	0084						

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638.2602		30.00	EACH	8.00	7.00	-1.00	-13%
	Removing Signs Type II						
	0086						
	One sign was already removed before the start of the project.						
638.3000		30.00	EACH	8.00	7.00	-1.00	-13%
	Removing Small Sign Supports						
	0088						
	One sign was already removed before the start of the project.						
642.5001		1000.00	EACH	1.00	1.00	0.00	0%
	Field Office Type B						
	0090						
643.0100		1249.64	EACH	1.00	1.00	0.00	0%
	Traffic Control (project)						
	0092			01. 5018-00-71			

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643.0300		.31	DAY	2,376.00	2,040.00	-336.00	-14%
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Traffic Control Drums

0094

Plan quantity is only an estimate, item used as needed to fit field conditions.

643.0420		.65	DAY	990.00	366.00	-624.00	-63%
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Traffic Control Barricades Type III

0096

Plan quantity is only an estimate, item used as needed to fit field conditions.

643.0705		.31	DAY	396.00	610.00	+214.00	+54%
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Traffic Control Warning Lights Type A

0098

Plan quantity is only an estimate, item used as needed to fit field conditions.

643.0715		.25	DAY	990.00	568.00	-422.00	-43%
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Traffic Control Warning Lights Type C

0100

Plan quantity is only an estimate, item used as needed to fit field conditions.

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643.0900		.63	DAY	2,772.00	1,615.00	-1,157.00	-42%
	Traffic Control Signs						
	0102						
	Plan quantity is only an estimate, item used as needed to fit field conditions.						
645.0111		3.50	SY	100.00	92.20	-7.80	-8%
	Geotextile Type DF Schedule A						
	0104						
645.0120		3.00	SY	674.00	626.00	-48.00	-7%
	Geotextile Type HR						
	0106						
650.4500		1.40	LF	550.00	190.00	-360.00	-65%
	Construction Staking Subgrade						
	0108						
	Item was not used on temporary bypass roadway.						

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650.5000		1.40	LF	550.00	550.00	0.00	0%
	Construction Staking Base						
0110							
650.6500		806.40	LS	1.00	1.00	0.00	0%
	Construction Staking Structure Layout						
0112				01. B-41-0313			
650.9910		465.82	LS	1.00	1.00	0.00	0%
	Const Staking Supplemental Contrl (proj)						
0114				01. 5018-00-71			
650.9920		1.54	LF	550.00	550.00	0.00	0%
	Construction Staking Slope Stakes						
0116							
690.0150		2.95	LF	40.00	42.00	+2.00	+5%
	Sawing Asphalt						
0118							

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715.0502		1.00	DOL	1,098.00	1,830.00	+732.00	+67%
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Incentive Strength Conc Structures

0120

Plan quantity is only an estimate. Paid quantity based on actual strength achieved from cylinder breaks.

SPV.0105		3870.00	LS	1.00	1.00	0.00	0%
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Special

0122

01. Temporary Water Diversion, Unnamed Tributary to Brush Creek