2018

OUTSTANDING HIGHWAY CONSTRUCTION AWARDS

For Contracts ≤ $25 M

SMALL STRUCTURE CATEGORY

(≤ $2,000,000 Actual Construction Cost for a Single Structure within a Project)

General Project Information:

ID(s):	4321-03-71
Title:	Village of Reedsville, 4th Street
	Mud Creek Bridge
County:	Manitowoc
Region:	Northeast

(as shown on the Title Sheet of the plan)

Contractor Representatives:

	Prime Contractor	Structure Contractor*
Representing	Concrete Structures Inc.	
Name	William Ryan	
Phone/Cell Phone	608-774-1109	
Email	Wpr@csinc-wi.com	
Mailing Address	3006 Bond Place Janesville WI 53548	

**(only if different from the Prime Contractor)*

Construction Oversight Staff:

	Project Engineer*	LPMC Project Manager**	Project Manager	Project Supervisor
Representing	Mead & Hunt Inc.		WISDOT	WISDOT
Name	Keith Process		Brian Haen	Chad Degrave
Phone/Cell Phone	920-619-3015		920-366-4788	920-360-1085
Email	Keith.Process@meadhunt.com		Brian.Haen@dot.wi.gov	Chad.degrave@dot.wi.gov
Mailing Address	1702 Lawrence Dr., De Pere, WI 54115		944 Vanderperren Way, Green Bay, WI 54304	944 Vanderperren Way, Green Bay, WI 54304

**(indicated firm if consultant) **(if applicable)*

Project Description:

Summarize the overall scope of the project in 300 words. Highlighting attributes that explain why this project should be selected for an Outstanding Highway Construction Award for a Small Structure.

This project included the removal and replacement of a roughly 40-foot slab span structure and almost 800 feet of stream realignment in an urban setting. The tight time frame called out in the contract required the contractor to put in additional effort to complete all the work on time. The contractor chose to start work prior to the expiration of the instream disturbance restriction of June 15th. To do this the contractor had to stage the removal of the existing structure and the forming and pouring of the new structure. They also utilized additional temporary shoring at their cost to hold back high water levels to be able to continue working and maintain their tight schedule. The stream realignment work and contaminated soils also required significant planning and documentation with both WisDOT and WDNR. The new structure is aesthetically pleasing and will serve the immediately adjacent school and community well for years to come. All of this combined makes this project a worthy recipient for the Outstanding Highway Construction Award for a Small Structure.

Project Schedule:

	Start Date		Completion Date (Open to Traffic)	
	Scheduled	Actual	Scheduled	Actual
Entire Project	6/15/2018	6/6/2018	9/21/2018	TBD
Structure	6/15/2018	6/6/2018	8/31/2018	9/18/2018

If the contract included interim completion dates, were the dates met? ☒Yes ☐No ☐N/A

What role did the structure have in meeting, or not meeting, the interim completions dates or the project completion date?

The interim completion date of August 31st to reopen the structure to through traffic was revised to September 18th due to unforeseen storm sewer issues. The existing storm sewer system was to remain in place under this contract. However, the pipe and structures were found to be deteriorated to a point that warranted replacement resulting in significant extra work that had to be completed before opening the roadway. The structure had no role in this time extension as it was complete and ready to open prior to the original interim completion date. The overall project completion date will also be revised as the site conditions cause by weather have not allowed for the final planting to occur. This date will be determined once the water levels go down to a point that the Native Plant Plugs can be planted in the newly constructed wetland shelf area.

Was the structure contractor effective in planning and scheduling work throughout the project? Were the construction schedules provided accurate? Describe any special efforts, or processes the structure contractor made to ensure the project schedule was met?

The structure contractor scheduled to start their work prior to the June 15th instream disturbance restriction in the special provisions to allow enough time to meet the interim completion date in the contract. To do this they staged their work to begin partial structure removal and excavation for structures outside of the stream limits. They also utilized additional temporary shoring to hold back high water to be able to continue to work after a major rain event which caused high water. The weekly schedules provided were accurate and included a level of detail that showed the adjustments that they were required to make due to weather and site conditions.

Project Budget:

Original Contract Amount for the Entire Project	$730,864.35
Original Contract for the Structure Only	$387,726.56
Final Contract Amount for the Entire Project	$764,537.35
Final Contract Amount for the Structure Only	$394,926.56

	Total Quantity	Unit	Unit Cost
Concrete Masonry Bridges	256	CY	$850
H.S. Bar Steel Reinforcement, Bridges	7706	LB	$1
H.S. Coated Structural Steel	30910	LB	$1.10
Prestressed Girder			
Piling, (Steel 10 x 42 LB)	709.4	LF	$40
Other			

Discuss significant changes to the structure. What were the impacts to the budget?

There were no significant changes to the structure.

Project Complexity:

Project Attributes

Obstruction the structure spans (FT)	18’
Length of the Structure (FT)	37’ 7”
Number of Spans	Single
Length of the Spans (FT)	37’-7”
Type of Substructure	Piles / Abutments
Type of Superstructure	Concrete Slab
Area of deck (SF)	1973
Geometrics	15° skew, -0.5% PGL
Aesthetic Requirements	Formliner, staining, railing, painting, Rip Rap

Describe any other items which contributed to the complexity of the project. (construction staging, special contract requirements, restricted work hours, utilities, railroad restrictions, etc.)

Stream realignment, an existing sanitary sewer line, a crack and damage survey, and form liner used on the structure all contributed to the complexity of the project. The stream realignment required staging of the work to allow the construction of the new structure while maintaining stream flow and coordinating work with the grading subcontractor. This required the scheduling of multiple mobilizations of the grading contractor in conjunction with the structure construction work to excavate for the new structure and stream at the new location and then again to do the complete stream relocation once the structure was complete. The stream relocation also required the setup of a bypass pumping system that had to handle a significant amount of water. This required a substantial amount of planning and effort by the contractor to complete in an environmentally safe way.

The existing sanitary line ran through the existing structure abutments and had to be carefully worked around to avoid damaging this active system. This required the contractor to cut the top off of the existing abutments rather than just removing them. This had to be done at the proper elevation to not conflict with the new structure and not damage the existing sanitary sewer pipe. Preboring for the piles was also required to avoid disturbing the existing sanitary sewer pipe that runs between the piling in both the north and south abutments.

The crack and damage survey was included in this contract due to the close proximity of several homes to the project site. This was an urban environment that required the contractor to be aware of their surroundings. Normal construction activities such as pile driving and the use of a vibratory roller caused concern of potential damage to private property. Through the pre and post construction survey it was determined that no damage was done to the adjacent properties.

The structure contractor also utilized form liners to construct the structure with the desired Rustic Ashlar texture when complete. They did this with exceptional attention to detail which resulted in a very nice-looking structure once the forms were removed.

Innovation: Cost Savings and Efficiency Improvements

Describe innovative cost reduction measures that were implemented concerning the structure and the resulting benefits. (incentives/disincentives, use of recycled materials, modifications in staging, Cost Reduction Incentives (CRI), partnering, etc.)

The contractor utilized additional temporary shoring to hold back high river water levels to allow them to efficiently continue their work rather than having to wait for the water levels to lower. This allowed the contractor to stay on schedule to complete the structure on time.

Describe any modifications to the equipment, materials or the means and methods used by the structure contractor. Explain the affect these modifications had on the project quality, safety, budget, or contractor's efficiency.

The contractor utilized different crews of varying sizes at times on the project to more efficiently complete the work. They utilized a different crew for removal of existing structure, structure excavation, and pile driving than they used for the structure forming and pouring work. They then brought in a third different crew once the concrete was poured out to do the railing and final site clean-up. The various crews specialized in their respective work and were appropriately sized to efficiently complete the work they were scheduled to complete.

Structure Smoothness:

Describe the overall smoothness and ride quality of the bridge deck.

The overall smoothness and ride quality of the bridge deck is exceptional. The transition from the asphalt roadway to the approach slabs rides nice, as well as, the approach slab to the structure. There is no bump in the ride approaching or departing the structure in either direction. The structure itself also rides nice with no noticeable bumps.

Was grinding of the deck necessary? ☐Yes ☒No

If Yes, How many square feet of the deck were ground? _____

Were there bumps at the bridge approaches? _____No_____

Were there bumps at any joints? _____No_____

Quality Control:

Discuss the formwork and false work for the structure. Were the contractor's plans adequate? Did the plans perform as expected? Did the actual dead load deflections match the plan values?

The contractor supplied the required falsework plans. In checking the falsework plans, a math error was found by the field staff in the dead load deflection calculations. This was corrected and the falsework deflection then matched the calculated dead load deflection.

Discuss the concrete cover over the deck steel. What was the minimum cover maintained? Was the cover checked before the deck pour using a dry run? Was the cover checked during the deck pour?

A minimum cover of 2.5 inches was formed into the deck. The cover was checked at the quarter points before the deck pour via dry run to verify the 2.5 inches of cover. Cover was also checked and documented during the deck pour. Cover varied from 2.75 - 3.0 inches at all locations checked during the deck pour.

Discuss the process(s) used to properly cure the deck. (timely fogging, placement of burlap, soaker hose system, continuous wetting for required duration, etc.)

Fogging of the deck was done as needed during the deck pour. The contractor placed wetted burlap as soon after the deck pour as possible based on the concrete surface strength. They then set up a soaker hose system to maintain a continuous wetting of the burlap for the required seven-day period.

Discuss the consistency and uniformity of the materials used in the structure. Was the air content and slump consistent without major fluctuations? Were the values within specified ranges?

Overall the consistency and uniformity of the materials used on the bridge structure were great. During the deck pour, Air Content ranged anywhere from 5.2% - 5.7%. Temperature of the concrete ranged anywhere from 74 – 78 degrees and the slump varied slightly between 2.75 – 3.5 inches. Abutments, Parapets, Wingwalls, and Sidewalks had air contents ranging from 5.4% - 7.0%, slumps ranging from 2.75 - 3.5 inches and temperatures between 78 and 81 degrees. All field verified values met specifications set forth by WISDOT.

Discuss the contractor's performance relative to obtaining a quality structure as it relates to:

- accuracy of substructure placement and beam seat elevations,
- the concrete surface finish on the deck curbs parapets and substructure,
- formwork
- joint placement and fit,
- condition and fit of the structural members,
- galvanizing and painting,
- rail alignment, field welding drains riprap and other appurtenances.

Concrete Structures Inc.'s emphasis on attention to detail was very evident in the construction of this structure. They placed the piles and abutments accurately in the plan locations by using string lines based off surveyed points. When it came down to placing bars and forming the superstructure, Concrete Structures exerted above average attention to detail. Each bar was measured precisely and placed in the exact location called out in the plans. All bars were accounted for and placed according to plan. Pouring the deck was done efficiently in 3.5 hours. Finishing the concrete via broom finish was done shortly after placement. Once the deck was poured, wing walls and parapets were formed and ready for pouring within the same week. The railing was placed straight on the center of each parapet and wing wall. Painting and staining of the parapets and wing walls was completed meticulously providing the desired finished look. Clean heavy rip rap was placed maximizing the overall aesthetics of the structure.

Discuss the cooperation from the contractor's material representative throughout the project. Were all required material submittals/documentation submitted in a timely manner so they could be reviewed and approved prior to installation? Discuss any materials not meeting project requirements. Were Buy America Certifications provided in a timely manner?

Concrete Structures Inc. were very prompt with their material certifications throughout the project. Certifications were provided upon request or well ahead of installation. If a request for a certification was needed, it was found and sent over right away. Buy America documentation and Certifications were provided early in the project allowing proper time to be reviewed and approved prior to the materials being incorporated into the work.

General Appearance:

Describe the overall appearance of the structure. Include details such as construction joints, handwork areas, surface finish, raised medians pedestrian accommodations, and aesthetics.

The structure looks fantastic! The use of the form liner and stain gives the bridge an aesthetically pleasing look. The railing on the bridge complements the structure and gives it a very finished look that fits well in the community. Sidewalks and parapets allow students from the nearby school to cross the bridge safely.

Contractor Performance:

Describe the contractor's outstanding performance in completing the structure construction operations. Include significant challenges and the structure contractor's role in resolving these challenges.

Concrete Structures Inc scheduled a start date well ahead of the date of allowed in stream disturbance to be able to meet completion deadline. Temporary shoring was used to eliminate in-stream disturbance ahead of the June 15th date. This helped the contractor build the abutments and gain the extra time they felt they needed to meet the road opening deadline. This required additional staging and coordination efforts for both the prime contractor (structure contractor) and the subcontractors.

Describe the structure contractor's involvement with additional stakeholders such as community members, business owners, municipal utilities, private utilities, and contractors to ensure successful outcomes for the project. Attach letters of commendation from any of these groups, as appropriate.

Weekly, Concrete Structures Inc. met with local engineers, municipalities, and utility contractors at a meeting held on-site informing them of upcoming work and their schedule. This helped minimize any potential conflicts with utilities, private property owners, and the local municipality. They talked to the local school to coordinate any bus routes that may have been affected by the project. In the end, this communication was vital in the successful completion of this project.

Please attach the Report of Contractor's Performance evaluations for both the prime contractor and the structure subcontractor.

Construction and Project Complete Photos:

Photos may be inserted into the above write-ups, to better illustrate the issue being discussed, or attached as an exhibit to the award submittal.

As part of the submittal include five (5) JPG images that highlight the achievements of the construction project.

List of Exhibits

Exhibit A: Title Sheet *(8.5" X 11")*

Exhibit B: List of Contract Modifications *(Summary from Project Tracking)*

Exhibit C: Report of Contractors Performance *(both Prime and Subcontractor)*

Exhibit D: Construction Photos

Exhibit E: Completed Project Photos

Contact Information:

Contact person for any questions or requests for additional information.

Name:	Keith Process	Ph No.:	920-619-3015	Email:	keith.process@meadhunt.com

Award Recipient:

Project Engineer: Keith Process, Mead & Hunt

Project Manager (MCLP): *(if applicable)*

Project Manager: Brian Haen, WisDOT

Project Supervisor: Chad Degrave, WisDOT

Prime Contractor: Bill Ryan, Concrete Structures Inc.

Subcontractors: Barricade Flasher Service Inc., Century Fence Company, Double D Landscaping LLC, Eide Painting and Sandblasting LLC, Hard Rock Sawing and Drilling Specialist Co., Martell Construction Inc., Northeast Asphalt Inc., Relyco Inc., TNT Professional Land Surveyors Inc.

EXHIBIT A

TITLE SHEET

GRE MARCH 2018

PROJECT ID: 4321-03-71

WITH: N/A

COUNTY: MANITOWOC

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details (Includes erosion control plans)
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
Section No.	4	Right of Way Plat
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
Section No.	8	Structure Plans
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections

TOTAL SHEETS = 84

31

DESIGN DESIGNATION

A.A.D.T.	(2018)	= 500
A.A.D.T.	(2038)	= 550
D.H.V.		= 3.5
D.D.		= 60/40
T.		= 4.1%
DESIGN SPEED		= 30 MPH
ESALS		= 52,000

CONVENTIONAL SYMBOLS

PLAN

- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE (300+00)
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA

PROFILE

- GRADE LINE
- ORIGINAL GROUND
- MARSH OR ROCK PROFILE (To be noted as such) (ROCK)
- SPECIAL DITCH (LABEL)
- GRADE ELEVATION (95.36)
- CULVERT (Profile View)

UTILITIES

- ELECTRIC (E)
- OVERHEAD UTILITY (OH)
- FIBER OPTIC (FO)
- GAS (G)
- SANITARY SEWER (SAN)
- STORM SEWER (SS)
- TELEPHONE (T)
- WATER (W)
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

V REEDSVILLE, 4TH STREET

MUD CREEK BRIDGE

LOC STR

MANITOWOC COUNTY

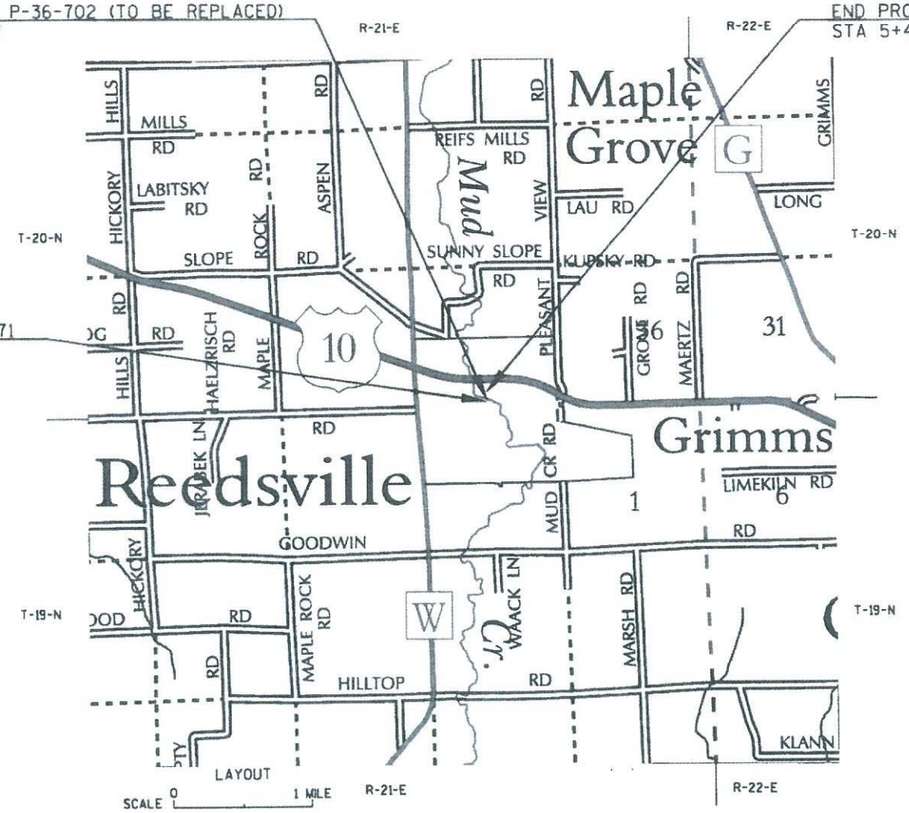
STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
4321-03-71		

STATE PROJECT NUMBER
4321-03-71

EXISTING STRUCTURE P-36-702 (TO BE REPLACED)
STRUCTURE B-36-217

END PROJECT 4321-03-71
STA 5+45.00

BEGIN PROJECT 4321-03-71
STA 3+45.00
Y = 323,832.032
X = 155,980.068



TOTAL NET LENGTH OF CENTERLINE = 0.038 MILES

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COORDINATES REFERENCE SYSTEM (WISCRS), MANITOWOC COUNTY, NAD 83 (2011).

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO NAVD 88.

ACCEPTED FOR COUNTY OF MANITOWOC
DATE: 1/22/18
HIGHWAY COMMISSIONER

ORIGINAL PLANS PREPARED BY
AECOM

WISCONSIN
MICHELLE A. HOWE
E-43048
MADISON
WI
PROFESSIONAL ENGINEER

11/21/17 Michelle Howe
(Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	MIKE GONNERING
Designer	AECOM
Management Consultant	JT ENGINEERING, INC.

APPROVED FOR THE DEPARTMENT
DATE: 1/22/18
(Management Consultant Signature)

E

FILE NAME : P:\60479034\900_WORK\910-CAD\43210370\SHEETSPLAN\010101_TI.DWG
LAYOUT NAME - ****

PLOT DATE : 10/26/2017 3:25 PM PLOT BY : SCHNEIDER, MICHAEL PLOT NAME :

WISDOT/CADDS SHEET 10

MILL STREET

PROPOSED SIDE SLOPES NOT RECEIVING WETLAND SHELF PLANTING OR ARMORING SHALL BE STABILIZED WITH TOPSOIL, SEED NO. 75, AND EROSION MAT URBAN CLASS 2 TYPE C

WATER (VILLAGE OF REEDSVILLE)

CONTAMINATED SOIL MANAGEMENT ZONE REMOVING AND DISPOSING OF CONTAMINATED MATERIAL

SLOPE INTERCEPT (TYP.)

+45, -320' LT

+45, -250' LT

+00, -250' LT

R/W

TLE

PLE

APPROXIMATE LIMITS OF WETLAND SHELF

℄ MUD CREEK

GRADE BREAK (EL. 817.2±)

2+00'MC'

3+00'MC'

4+00'MC'

5+00'MC'

6+00'MC'

7+00'MC'

8+00'MC'

9+00'MC

MUD CREEK

℄ 4TH STREET

6+00

5+00

4+00

3+00

N

SEE STRUCTURE PLANS FOR RIPRAP DETAILS

+00, -320' LT

P.L.

TYPICAL SECTION B-B (SEE TYPICAL SECTION SHEETS)

PROPOSED ARMORED BANK (TYP.)

TYPICAL SECTION A-A (SEE TYPICAL SECTION SHEETS)

MENASHA STREET

CHARTER COMMUNICATIONS (ELECTRIC)

WPS (ELECTRIC)

WPS (GAS)

CAUTION

4TH STREET

STORM SEWER (VILLAGE OF REEDSVILLE)

SANITARY SEWER (VILLAGE OF REEDSVILLE)

PROJECT NO: 4321-03-71	HWY: 4TH STREET	COUNTY: MANITOWOC	GRADING PLAN	SHEET 6	E

EXHIBIT B
CONTRACT MODIFICATIONS

Contract Modifications for Contract 20180313031

Cmod#	CM Date	Field Manager Approved Date	Amount	Percent of Award Amt	Status	Short Description
001	10/22/18	11/05/2018	$1,617.00	0.22%	Approved	Stream Bed Cobble Material
002	11/06/18		$16,206.00	2.22%	Pending Approval	Storm Sewer Removal and Replacement
003	10/23/18	11/06/2018	$15,850.00	2.17%	Approved	South Approach Roadway Construction
004	09/25/18		$0.00	0.00%	Draft	Additional Time for Native Plant Plugs, SPV.0060.01

EXHIBIT C

REPORT OF CONTRACTORS PERFORMANCE

Report of Contractor's Performance

Wisconsin Department of Transportation

11/12/2018 8:20 AM
FieldManager 5.3a

Contract: 20180313031, Village Reedsville, 4th St, Mud Creek Bridge

Submit separate reports for prime contractor and each subcontractor upon completion of contract.

Report Date	Project	District
June 06, 2018	4321-03-71 : V Reedsville, 4th St	NE
Contractor Completion Date	**Road Name**	**County**
	4th Street	Manitowoc
		Highway
		Local Street

Contract Amount	Amount Subcontracted	Prime Contractor or Sub Being Rated (if applicable)
$748,331.35	$5,998	BARRICADE FLASHER SERVICE, INC.

Type of Construction Performed by this Firm
Traffic Control

○ Prime Contractor ○ DBE
● Subcontractor ○ WBE

Entered By	Revised By	Revision Date	Revision No.
KDP, Keith D Process	KDP, Keith D Process	11/12/2018 7:24 AM	1

Performance Factor (Whole Number)	Importance Factor	Rating	Indicate your appraisal of the contractor's (subcontractor's) performance using a scale from 10 (outstanding) to 5 (average) to 0 (totally inadequate) to establish a 'Performance Factor'. Give a brief explanation for ratings of 8 to 10 or 0 to 2 and otherwise as appropriate. Then apply the given 'Importance Factors' to establish each 'Rating' and the 'Overall Rating'
6	X 0.30	1.8	Quality of Work Consider: construction methods, materials, structural adequacy, appearance, workmanship, attention to detail Contractor provided traffic control materials that were in good condition and installed them as show in the plans.
7	X 0.20	1.4	Prosecution and Progress Consider: schedule, prompt start, execution, maintenance of work site, erosion/environmental, timely completion Contractor came as scheduled or requested and did regular maintenance throughout the project.
6	X 0.15	0.9	Supervision Consider: availability, competence, coordination of work, control of work force/subcontractors, safety, traffic control, extra work (c. c. o.) Crew that worked on site was knowledgable about the work to be done.
5	X 0.15	0.8	Cooperation/Control Compliance Consider: public relations, communications, paperwork, willing compliance, frequency of complaints, credibility, integrity, willingness to work out problems, coordination with other contractors There were no complaints and they coordinated as needed.
6	X 0.10	0.6	Adequacy of Work Force Consider: size, competence, attitude The crews were sized appropriately dependent on the stage of the project and the work to be completed.
5	X 0.10	0.5	Adequacy of Equipment Consider: type, number, operating condition, suitability Minimal equipment was needed to perform their work.
Overall Rating (Sum the above 6 ratings)		6.0	District Comments

X _____
(Project Engineer Signature)

X _____
(District Construction Engineer Signature)

Report of Contractor's Performance

Wisconsin Department of Transportation

11/12/2018 8:20 AM
FieldManager 5.3a

Contract: 20180313031, Village Reedsville, 4th St, Mud Creek Bridge

Submit separate reports for prime contractor and each subcontractor upon completion of contract.

Report Date	Project	District
September 14, 2018	4321-03-71 : V Reedsville, 4th St	NE
		County Manitowoc
Contractor Completion Date	**Road Name**	**Highway**
September 14, 2018	4th Street	Local Street

Contract Amount	Amount Subcontracted	Prime Contractor or Sub Being Rated (if applicable)
$748,331.35	$2,866	CENTURY FENCE COMPANY

Type of Construction Performed by this Firm
Pavement Marking

○ Prime Contractor ○ DBE
● Subcontractor ○ WBE

Entered By	Revised By	Revision Date	Revision No.
KDP, Keith D Process			

Performance Factor (Whole Number)	Importance Factor	Rating	Indicate your appraisal of the contractor's (subcontractor's) performance using a scale from 10 (outstanding) to 5 (average) to 0 (totally inadequate) to establish a 'Performance Factor'. Give a brief explanation for ratings of 8 to 10 or 0 to 2 and otherwise as appropriate. Then apply the given 'Importance Factors' to establish each 'Rating' and the 'Overall Rating'
7	X 0.30	2.1	Quality of Work Consider: construction methods, materials, structural adequacy, appearance, workmanship, attention to detail Contractor utilized the proper materials and provided markings that looked as expected in the proper locations.
7	X 0.20	1.4	Prosecution and Progress Consider: schedule, prompt start, execution, maintenance of work site, erosion/environmental, timely completion Contractor completed their work as scheduled.
8	X 0.15	1.2	Supervision Consider: availability, competence, coordination of work, control of work force/subcontractors, safety, traffic control, extra work (c. c. o.) Supervisor arrived on site ahead of the crew to layout the work.
5	X 0.15	0.8	Cooperation/Control Compliance Consider: public relations, communications, paperwork, willing compliance, frequency of complaints, credibility, integrity, willingness to work out problems, coordination with other contractors Contractor worked with the engineer on minor changes in the layout.
6	X 0.10	0.6	Adequacy of Work Force Consider: size, competence, attitude A small crew was utilized for the small amount of work by this contractor on this project.
6	X 0.10	0.6	Adequacy of Equipment Consider: type, number, operating condition, suitability The appropriate equipment was utilized for the work to be done.
Overall Rating (Sum the above 6 ratings)		6.7	District Comments

X _____ (Project Engineer Signature)

X _____ (District Construction Engineer Signature)

Report of Contractor's Performance

Wisconsin Department of Transportation

11/12/2018 8:20 AM
FieldManager 5.3a

Contract: 20180313031, Village Reedsville, 4th St, Mud Creek Bridge

Submit separate reports for prime contractor and each subcontractor upon completion of contract.

Report Date	Project	District
June 06, 2018	4321-03-71 : V Reedsville, 4th St	NE
Contractor Completion Date	**Road Name**	**County**
	4th Street	Manitowoc
		Highway
		Local Street

Contract Amount	Amount Subcontracted	Prime Contractor or Sub Being Rated (if applicable)
$748,331.35	$730,864	CONCRETE STRUCTURES, INC.

Type of Construction Performed by this Firm
Structure Construction

(●) Prime Contractor ( ) DBE
( ) Subcontractor ( ) WBE

Entered By	Revised By	Revision Date	Revision No.
KDP, Keith D Process			

Performance Factor (Whole Number)	Importance Factor	Rating	Indicate your appraisal of the contractor's (subcontractor's) performance using a scale from 10 (outstanding) to 5 (average) to 0 (totally inadequate) to establish a 'Performance Factor'. Give a brief explanation for ratings of 8 to 10 or 0 to 2 and otherwise as appropriate. Then apply the given 'Importance Factors' to establish each 'Rating' and the 'Overall Rating'
8	X 0.30	2.4	Quality of Work Consider: construction methods, materials, structural adequacy, appearance, workmanship, attention to detail Contractor's attention to detail was exceptional and resulted in an excellent final product.
8	X 0.20	1.6	Prosecution and Progress Consider: schedule, prompt start, execution, maintenance of work site, erosion/environmental, timely completion Contractor actively managed the schedule and subcontractors to ensure an on time completion of the project.
8	X 0.15	1.2	Supervision Consider: availability, competence, coordination of work, control of work force/subcontractors, safety, traffic control, extra work (c. c. o.) Contractor always had the appropriate amount of suppervision on site and utilized the appropriate PPE for safety.
8	X 0.15	1.2	Cooperation/Control Compliance Consider: public relations, communications, paperwork, willing compliance, frequency of complaints, credibility, integrity, willingness to work out problems, coordination with other contractors Contractor suplied the required/requested paperwork in a timely manner and coordinated well with the subcontractors.
8	X 0.10	0.8	Adequacy of Work Force Consider: size, competence, attitude Contractor brought in different crews of varying sizes for the various stages of the project and were good to work with.
8	X 0.10	0.8	Adequacy of Equipment Consider: type, number, operating condition, suitability Contractor had the appropriate equipment on site at all time and it was in good working condition for efficiency.
Overall Rating (Sum the above 6 ratings)		8.0	District Comments

X _____
(Project Engineer Signature)

X _____
(District Construction Engineer Signature)

Report of Contractor's Performance

Wisconsin Department of Transportation

11/12/2018 8:20 AM
FieldManager 5.3a

Contract: 20180313031, Village Reedsville, 4th St, Mud Creek Bridge

Submit separate reports for prime contractor and each subcontractor upon completion of contract.

Report Date	Project	District
June 06, 2018	4321-03-71 : V Reedsville, 4th St	NE
Contractor Completion Date	**Road Name**	**County**
	4th Street	Manitowoc
		Highway
		Local Street

Contract Amount	Amount Subcontracted	Prime Contractor or Sub Being Rated (if applicable)
$748,331.35	$60,588	DOUBLE D LANDSCAPE, LLC

Type of Construction Performed by this Firm
Erosion Control and Landscaping

○ Prime Contractor ● DBE
○ Subcontractor ○ WBE

Entered By	Revised By	Revision Date	Revision No.
KDP, Keith D Process	KDP, Keith D Process	11/12/2018 7:26 AM	1

Performance Factor (Whole Number)	Importance Factor	Rating	Indicate your appraisal of the contractor's (subcontractor's) performance using a scale from 10 (outstanding) to 5 (average) to 0 (totally inadequate) to establish a 'Performance Factor'. Give a brief explanation for ratings of 8 to 10 or 0 to 2 and otherwise as appropriate. Then apply the given 'Importance Factors' to establish each 'Rating' and the 'Overall Rating'
5	X 0.30	1.5	Quality of Work Consider: construction methods, materials, structural adequacy, appearance, workmanship, attention to detail Contractor utilized the proper materials and completed their work as expected.
6	X 0.20	1.2	Prosecution and Progress Consider: schedule, prompt start, execution, maintenance of work site, erosion/environmental, timely completion Contractor completed their work in stages as needed to properly protect the project site.
7	X 0.15	1.1	Supervision Consider: availability, competence, coordination of work, control of work force/subcontractors, safety, traffic control, extra work (c. c. o.) The foreman and owner of the company were always good to work with and knowledgable about what work needed to be done.
6	X 0.15	0.9	Cooperation/Control Compliance Consider: public relations, communications, paperwork, willing compliance, frequency of complaints, credibility, integrity, willingness to work out problems, coordination with other contractors Contractor coordinated with both the prime and grading contractors to ensure the site was adequately protected.
6	X 0.10	0.6	Adequacy of Work Force Consider: size, competence, attitude Crews were sized appropriately to complete their work.
5	X 0.10	0.5	Adequacy of Equipment Consider: type, number, operating condition, suitability The proper equipment was utilized to complete their work.
Overall Rating (Sum the above 6 ratings)		5.8	District Comments

X _____
(Project Engineer Signature)

X _____
(District Construction Engineer Signature)

Report of Contractor's Performance

Wisconsin Department of Transportation

11/12/2018 8:20 AM
FieldManager 5.3a

Contract: 20180313031, Village Reedsville, 4th St, Mud Creek Bridge

Submit separate reports for prime contractor and each subcontractor upon completion of contract.

Report Date	Project	District
August 13, 2018	4321-03-71 : V Reedsville, 4th St	NE
Contractor Completion Date	**Road Name**	**County**
August 30, 2018	4th Street	Manitowoc
		Highway
		Local Street

Contract Amount	Amount Subcontracted	Prime Contractor or Sub Being Rated (if applicable)
$748,331.35	$3,153	EIDE PAINTING & SANDBLASTING, LLC

Type of Construction Performed by this Firm
Structure Staining

○ Prime Contractor ○ DBE
● Subcontractor ○ WBE

Entered By	Revised By	Revision Date	Revision No.
KDP, Keith D Process	KDP, Keith D Process	11/12/2018 7:28 AM	3

Performance Factor (Whole Number) Rating	Importance Factor		Indicate your appraisal of the contractor's (subcontractor's) performance using a scale from 10 (outstanding) to 5 (average) to 0 (totally inadequate) to establish a 'Performance Factor'. Give a brief explanation for ratings of 8 to 10 or 0 to 2 and otherwise as appropriate. Then apply the given 'Importance Factors' to establish each 'Rating' and the 'Overall Rating'
6	X 0.30	1.8	Quality of Work Consider: construction methods, materials, structural adequacy, appearance, workmanship, attention to detail The contractor paid good attention to detail.
6	X 0.20	1.2	Prosecution and Progress Consider: schedule, prompt start, execution, maintenance of work site, erosion/environmental, timely completion The contractor mobilized multiple times to accomplish their work as sections were available to them.
5	X 0.15	0.8	Supervision Consider: availability, competence, coordination of work, control of work force/subcontractors, safety, traffic control, extra work (c. c. o.) Crews had sufficient supervision and required minimal input from the field staff.
6	X 0.15	0.9	Cooperation/Control Compliance Consider: public relations, communications, paperwork, willing compliance, frequency of complaints, credibility, integrity, willingness to work out problems, coordination with other contractors Contractor coordinated with the grading and structure contractor to schedule their work.
5	X 0.10	0.5	Adequacy of Work Force Consider: size, competence, attitude An appropriately sized crew was utilized for all work.
5	X 0.10	0.5	Adequacy of Equipment Consider: type, number, operating condition, suitability Proper equipment was utilized to complete all work.
Overall Rating (Sum the above 6 ratings)		5.7	District Comments

X _____ (Project Engineer Signature)

X _____ (District Construction Engineer Signature)

Report of Contractor's Performance

Wisconsin Department of Transportation

11/12/2018 8:21 AM
FieldManager 5.3a

Contract: 20180313031, Village Reedsville, 4th St, Mud Creek Bridge

Submit separate reports for prime contractor and each subcontractor upon completion of contract.

Report Date	Project	District
June 06, 2018	4321-03-71 : V Reedsville, 4th St	NE
Contractor Completion Date	**Road Name**	**County**
June 08, 2018	4th Street	Manitowoc
		Highway
		Local Street

Contract Amount	Amount Subcontracted	Prime Contractor or Sub Being Rated (if applicable)
$748,331.35	$1,125	HARD ROCK SAWING & DRILLING SPECIALIST CO.

Type of Construction Performed by this Firm
Sawing

○ Prime Contractor ● DBE
○ Subcontractor ○ WBE

Entered By	Revised By	Revision Date	Revision No.
KDP, Keith D Process			

Performance Factor (Whole Number)	Importance Factor	Rating	Indicate your appraisal of the contractor's (subcontractor's) performance using a scale from 10 (outstanding) to 5 (average) to 0 (totally inadequate) to establish a 'Performance Factor'. Give a brief explanation for ratings of 8 to 10 or 0 to 2 and otherwise as appropriate. Then apply the given 'Importance Factors' to establish each 'Rating' and the 'Overall Rating'
5	X 0.30	1.5	Quality of Work Consider: construction methods, materials, structural adequacy, appearance, workmanship, attention to detail Contractor's workmanship was as expected.
5	X 0.20	1.0	Prosecution and Progress Consider: schedule, prompt start, execution, maintenance of work site, erosion/environmental, timely completion Contractor was on site as scheduled.
5	X 0.15	0.8	Supervision Consider: availability, competence, coordination of work, control of work force/subcontractors, safety, traffic control, extra work (c. c. o.) Supervision was as it should be. Crew safely completed their work.
5	X 0.15	0.8	Cooperation/Control Compliance Consider: public relations, communications, paperwork, willing compliance, frequency of complaints, credibility, integrity, willingness to work out problems, coordination with other contractors N/A
5	X 0.10	0.5	Adequacy of Work Force Consider: size, competence, attitude A one man crew was utilized and was appropriate.
5	X 0.10	0.5	Adequacy of Equipment Consider: type, number, operating condition, suitability Sawing equipment was appropriate for the work performed.
Overall Rating (Sum the above 6 ratings)		5.0	District Comments

X _____
(Project Engineer Signature)

X _____
(District Construction Engineer Signature)

Report of Contractor's Performance

Wisconsin Department of Transportation

11/12/2018 8:21 AM
FieldManager 5.3a

Contract: 20180313031, Village Reedsville, 4th St, Mud Creek Bridge

Submit separate reports for prime contractor and each subcontractor upon completion of contract.

Report Date	Project	District
August 23, 2018	4321-03-71 : V Reedsville, 4th St	NE
Contractor Completion Date	**Road Name**	**County**
	4th Street	Manitowoc
		Highway
		Local Street

Contract Amount	Amount Subcontracted	Prime Contractor or Sub Being Rated (if applicable)
$748,331.35	$46,159	MARTELL CONSTRUCTION, INC.

Type of Construction Performed by this Firm
Ancillary Concrete

○ Prime Contractor ○ DBE
● Subcontractor ○ WBE

Entered By	Revised By	Revision Date	Revision No.
KDP, Keith D Process			

Performance Factor (Whole Number)	Importance Factor	Rating	Indicate your appraisal of the contractor's (subcontractor's) performance using a scale from 10 (outstanding) to 5 (average) to 0 (totally inadequate) to establish a 'Performance Factor'. Give a brief explanation for ratings of 8 to 10 or 0 to 2 and otherwise as appropriate. Then apply the given 'Importance Factors' to establish each 'Rating' and the 'Overall Rating'
7	X 0.30	2.1	Quality of Work Consider: construction methods, materials, structural adequacy, appearance, workmanship, attention to detail Contractor performed well and their attention to detail is evident in the nice looking final product.
7	X 0.20	1.4	Prosecution and Progress Consider: schedule, prompt start, execution, maintenance of work site, erosion/environmental, timely completion Contractor completed their work as scheduled and even left and came back due to conflicts outside their control.
7	X 0.15	1.1	Supervision Consider: availability, competence, coordination of work, control of work force/subcontractors, safety, traffic control, extra work (c. c. o.) Contractor provided experienced foreman that did a good job of coordinating their crew.
8	X 0.15	1.2	Cooperation/Control Compliance Consider: public relations, communications, paperwork, willing compliance, frequency of complaints, credibility, integrity, willingness to work out problems, coordination with other contractors Contractor coordinated well with other contractors to be able to complete their work as quickly as possible.
6	X 0.10	0.6	Adequacy of Work Force Consider: size, competence, attitude The size and competency of the crew on site was excellent.
6	X 0.10	0.6	Adequacy of Equipment Consider: type, number, operating condition, suitability The contractor utilized the proper equipment to efficiently complete their work.
Overall Rating (Sum the above 6 ratings)		7.0	District Comments

X _____ (Project Engineer Signature)

X _____ (District Construction Engineer Signature)

Report of Contractor's Performance

Wisconsin Department of Transportation

11/12/2018 8:21 AM
FieldManager 5.3a

Contract: 20180313031, Village Reedsville, 4th St, Mud Creek Bridge

Submit separate reports for prime contractor and each subcontractor upon completion of contract.

Report Date	Project	District
September 12, 2018	4321-03-71 : V Reedsville, 4th St	NE
Contractor Completion Date	**Road Name**	**County**
	4th Street	Manitowoc
		Highway
		Local Street

Contract Amount	Amount Subcontracted	Prime Contractor or Sub Being Rated (if applicable)
$748,331.35	$21,152	NORTHEAST ASPHALT, INC

Type of Construction Performed by this Firm
Asphalt Paving

○ Prime Contractor ○ DBE
● Subcontractor ○ WBE

Entered By	Revised By	Revision Date	Revision No.
KDP, Keith D Process	KDP, Keith D Process	11/12/2018 7:29 AM	1

Performance Factor (Whole Number)	Importance Factor	Rating	Indicate your appraisal of the contractor's (subcontractor's) performance using a scale from 10 (outstanding) to 5 (average) to 0 (totally inadequate) to establish a 'Performance Factor'. Give a brief explanation for ratings of 8 to 10 or 0 to 2 and otherwise as appropriate. Then apply the given 'Importance Factors' to establish each 'Rating' and the 'Overall Rating'
5	X 0.30	1.5	Quality of Work Consider: construction methods, materials, structural adequacy, appearance, workmanship, attention to detail Contractor performed as expected.
5	X 0.20	1.0	Prosecution and Progress Consider: schedule, prompt start, execution, maintenance of work site, erosion/environmental, timely completion Contractor was able to arrive and complete their work as scheduled.
5	X 0.15	0.8	Supervision Consider: availability, competence, coordination of work, control of work force/subcontractors, safety, traffic control, extra work (c. c. o.) Contractor had addequate supervision on site to coordinate their work.
5	X 0.15	0.8	Cooperation/Control Compliance Consider: public relations, communications, paperwork, willing compliance, frequency of complaints, credibility, integrity, willingness to work out problems, coordination with other contractors Contractor coordinated their work with the prime and other subcontractors as needed.
5	X 0.10	0.5	Adequacy of Work Force Consider: size, competence, attitude Appropriately sized crews were utilized to complete their work.
5	X 0.10	0.5	Adequacy of Equipment Consider: type, number, operating condition, suitability The proper equipment was utilized be each of the crews to complete their work.
Overall Rating (Sum the above 6 ratings)		5.0	District Comments

X _____ (Project Engineer Signature)

X _____ (District Construction Engineer Signature)

Report of Contractor's Performance

Wisconsin Department of Transportation

11/12/2018 8:21 AM
FieldManager 5.3a

Contract: 20180313031, Village Reedsville, 4th St, Mud Creek Bridge

Submit separate reports for prime contractor and each subcontractor upon completion of contract.

Report Date	Project	District
June 29, 2018	4321-03-71 : V Reedsville, 4th St	NE
Contractor Completion Date	**Road Name**	**County**
September 15, 2018	4th Street	Manitowoc
		Highway
		Local Street

Contract Amount	Amount Subcontracted	Prime Contractor or Sub Being Rated (if applicable)
$748,331.35	$148,193	RELYCO, INC.

Type of Construction Performed by this Firm
Grading

○ Prime Contractor ○ DBE
● Subcontractor ○ WBE

Entered By	Revised By	Revision Date	Revision No.
KDP, Keith D Process	KDP, Keith D Process	11/12/2018 7:38 AM	3

Performance Factor (Whole Number) Importance Factor		Rating	Indicate your appraisal of the contractor's (subcontractor's) performance using a scale from 10 (outstanding) to 5 (average) to 0 (totally inadequate) to establish a 'Performance Factor'. Give a brief explanation for ratings of 8 to 10 or 0 to 2 and otherwise as appropriate. Then apply the given 'Importance Factors' to establish each 'Rating' and the 'Overall Rating'
7	X 0.30	2.1	Quality of Work Consider: construction methods, materials, structural adequacy, appearance, workmanship, attention to detail Contractor utilized construction methods and attention to detail that was above average.
6	X 0.20	1.2	Prosecution and Progress Consider: schedule, prompt start, execution, maintenance of work site, erosion/environmental, timely completion Contractor completed their work as scheduled.
5	X 0.15	0.8	Supervision Consider: availability, competence, coordination of work, control of work force/subcontractors, safety, traffic control, extra work (c. c. o.) Supervisor was not around much but the foreman were good to work with. A waste site was also utilized prior to approval
7	X 0.15	1.1	Cooperation/Control Compliance Consider: public relations, communications, paperwork, willing compliance, frequency of complaints, credibility, integrity, willingness to work out problems, coordination with other contractors Contractor was willing to work out problems and coordinated additional work.
6	X 0.10	0.6	Adequacy of Work Force Consider: size, competence, attitude Appropriate sized crews were utilized for each stage of the project.
6	X 0.10	0.6	Adequacy of Equipment Consider: type, number, operating condition, suitability The number and size of equipment was appropriately utilized for the work on the project.
Overall Rating (Sum the above 6 ratings)		6.3	District Comments

X _____ (Project Engineer Signature)

X _____ (District Construction Engineer Signature)

Report of Contractor's Performance

Wisconsin Department of Transportation

11/12/2018 8:21 AM
FieldManager 5.3a

Contract: 20180313031, Village Reedsville, 4th St, Mud Creek Bridge

Submit separate reports for prime contractor and each subcontractor upon completion of contract.

Report Date	Project	District
June 04, 2018	4321-03-71 : V Reedsville, 4th St	NE
Contractor Completion Date	**Road Name**	**County**
August 23, 2018	4th Street	Manitowoc
		Highway
		Local Street

Contract Amount	Amount Subcontracted	Prime Contractor or Sub Being Rated (if applicable)
$748,331.35	$6,144	TNT PROFESSIONAL LAND SURVEYORS, INC.

Type of Construction Performed by this Firm
Construction Staking

○ Prime Contractor ○ DBE
● Subcontractor ○ WBE

Entered By	Revised By	Revision Date	Revision No.
KDP, Keith D Process	KDP, Keith D Process	11/9/2018 2:16 PM	1

Performance Factor (Whole Number)	Importance Factor	Rating	Indicate your appraisal of the contractor's (subcontractor's) performance using a scale from 10 (outstanding) to 5 (average) to 0 (totally inadequate) to establish a 'Performance Factor'. Give a brief explanation for ratings of 8 to 10 or 0 to 2 and otherwise as appropriate. Then apply the given 'Importance Factors' to establish each 'Rating' and the 'Overall Rating'
7	X 0.30	2.1	Quality of Work Consider: construction methods, materials, structural adequacy, appearance, workmanship, attention to detail Attention to detail was above average.
7	X 0.20	1.4	Prosecution and Progress Consider: schedule, prompt start, execution, maintenance of work site, erosion/environmental, timely completion Contractor completed work as scheduled to allow other contractors to maintain their work schedule.
7	X 0.15	1.1	Supervision Consider: availability, competence, coordination of work, control of work force/subcontractors, safety, traffic control, extra work (c. c. o.) Foreman was experienced and coordinated his work with the other subcontractors.
7	X 0.15	1.1	Cooperation/Control Compliance Consider: public relations, communications, paperwork, willing compliance, frequency of complaints, credibility, integrity, willingness to work out problems, coordination with other contractors Contractor coordinated with the other subcontractors to maintain their schedules.
6	X 0.10	0.6	Adequacy of Work Force Consider: size, competence, attitude A small experienced work force was suplied each time a crew was needed on site.
6	X 0.10	0.6	Adequacy of Equipment Consider: type, number, operating condition, suitability Contractor provided the proper equipment to complete their work.
Overall Rating (Sum the above 6 ratings)		6.8	District Comments

X _____ (Project Engineer Signature)

X _____ (District Construction Engineer Signature)

EXHIBIT D
CONSTRUCTION PHOTOS

EXHIBIT E

COMPLETED PROJECT PHOTOS