



Wisconsin Department of Transportation

Division of Transportation Systems Development

Bureau of Project Development
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Madison, WI 53705

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March 3, 2020

NOTICE TO ALL CONTRACTORS:

**Proposal #16: 1009-30-19
Sign Bridge Repair
Regionwide Various Routes
Var Hwy
Statewide**

Letting of March 10, 2020

This is Addendum No. 01, which provides for the following:

Special Provisions:

| Revised Special Provisions | |
|----------------------------|---------------------------------------|
| Article No. | Description |
| 13 | Tension Anchor Rods, Item SPV.0060.01 |
| 16 | Replace Pole, Item SPV.0060.04 |

| Added Special Provisions | |
|--------------------------|--------------------------|
| Article No. | Description |
| 37 | Coordination with WisDOT |

Plan Sheets:

| Added Plan Sheets | |
|-------------------|--|
| Plan Sheet | Plan Sheet Title (brief description of why sheet was added) |
| 14A | Added traffic control plan sheet with work restrictions and lane closure assumptions for each structure. |
| 14B | Added traffic control plan sheet with work restrictions and lane closure assumptions for each structure. |

The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractor.

Sincerely,

Mike Coleman

Proposal Development Specialist
Proposal Management Section

ADDENDUM NO. 01

1009-30-19

March 3, 2020

Special Provisions

13. Tension Anchor Rods, Item SPV.0060.01.

Replace entire article language with the following:

A Description

This special provision describes re-tensioning loose anchor rod nuts as shown on the plans, and as hereinafter provided.

B Materials

Furnish materials that are in accordance with the pertinent provisions of section 641 and 657 of the standard specifications and as shown in the plans.

C Construction

Use construction methods that are in accordance with the pertinent provisions of section 641 and 657 of the standard specifications and as shown in the plans. This work will consist of re-tensioning all loose anchor rod nuts as specified in the plans. The contractor shall follow the re-tensioning procedure outlined herein:

1. The contractor shall verify the grade of the anchor rod. If an anchor rod grade cannot be verified, the Department shall be contacted for direction. Note that A36 rods have different tensioning requirements.
2. The contractor shall field verify the size and number of nuts required to be replaced. Note that if one or more are found to be loose, all are required to be replaced.
3. Remove all jam nuts (if applicable).
4. The contractor shall furnish flat washers and heavy hex nuts conforming to Section 641.2.2.3 and 657.2.7. Existing jam nuts¹ may be reused.
5. Remove rodent screen¹.
6. Remove and dispose of the grout pad (if applicable) in accordance to standard spec 509.3.4.
7. Tighten all nuts that are loose to snug tight (leveling and top nut). Reference the Department's Form DT2321 for snug tight torque values.
8. Contact the department for direction of the top nut is not fully snugged and cannot be turned.
9. Once all nuts are snug, remove one and only one top nut at a time and follow the remaining procedure. Top nuts, flat washers, and locking washers (if applicable) shall be discarded, the leveling nuts shall remain, and jam nuts may be reused (if applicable).
10. Remove rust and dirt, from anchor rod and base plate with a wire brush.
11. Apply a coat of fast drying zinc rich primer or spray-on cold galvanized (if rust is present) to the full length of the anchor bolt and at damaged base plates. Repair any damaged galvanized coating incidental to the re-tensioning process.
12. Apply wax-based lubricant to the anchor rod.
13. Install top nut to snug tight. Reference the Department's form DT2321 for snug tight torque values.

14. Repeat steps 3 thru 12 in this specification until all washers and nuts have been replaced.
15. Tension the anchor rod nuts. Follow the Department's Form DT2321 procedure steps 5 thru 7 and record the tensioning process.
16. Clean, lubricate and install jam nut (if applicable) per step 8 of Form DT2321.
17. Apply two coats of zinc rich primer to any damaged areas of the structure base plates and used jam nuts.
18. Reinstall the rodent screen (if applicable).
19. Complete Form DT2321 for each structure and submit to Jason Zemke (jason.zemke@dot.wi.gov) and Parwinder Virk (parwinder.virk@dot.wi.gov) for transmittal to Bureau of Structures and inclusion in HSIS.

All work for this item, including site clean-up, shall be completed in one shift. If it is a cantilever structure with a connection which has 6 or less bolts, the truss or mast arm shall be supported by a crane during bolt replacement. In lieu of a supporting crane, the contractor may instead submit a structural analysis of the structure addressing proposed constructability which ensure the stability and safety of workers and the traveling public. Analysis computation and support document shall be signed, sealed and dated by a professional engineer licensed in Wisconsin, and shall be submitted to the project engineer and BOS for permanent record.

D Measurement

The department will measure Tension Anchor Rods as each individual anchor rod location acceptably completed.

E Payment

The department will pay for the measured quantity at the contract unit price under the following bid item:

| <u>ITEM NUMBER</u> | <u>DESCRIPTION</u> | <u>UNIT</u> |
|--------------------|--------------------|-------------|
| SPV.0060.01 | Tension Anchor Rod | Each |

Payment is full compensation for tensioning loose anchor rod nuts; for removing and properly disposing of existing materials being replaced; for furnishing all materials and miscellaneous items to complete the repair; for fabricating, handling, transporting, and erecting.

16. Replace Pole, Item SPV.0060.04.

Replace entire article language with the following:

A Description

This special provision describes removing and replacing damage pole supports for cantilever mast arm sign and signal structures as shown in the plans.

B Materials

Furnish materials in accordance with applicable sections of 641 and 657 of the standard specifications and as shown in the plans.

C Construction

Existing damaged post are to be removed, existing chord, mast arm, or luminaire arms, signs, signals are to be removed and reused on a new post. Items to be reused are to be removed prior

to existing pole removal. Install new post in accordance with applicable sections of 641 and 657 of the standard specifications.

Replace and tension the existing anchor rods to install the new post in accordance with DT 2321 and sections 641 and 657 of the standard specifications prior to connecting mast or luminaire arms.

Replacing the original post to chord or arm connection with new hardware and high strength bolts in accordance with DT2322 and applicable sections of 641 and 657 of the standard specifications. Match existing vertical clearance when reinstalling attachments to structure.

Care should be taken to avoid damaging existing signs, signals, luminaires or associated components on these structures during removal. Any damage is the responsibility of the contractor and shall be repaired and/or replaced at their cost.

Once removed, the damaged posts become property of the contractor.

Contractor shall contact WisDOT Electrical Field Unit (414-266-1170) or WisDOT Signal Operations Unit (414-750-2605) at least five working days prior to removing the pole. WisDOT Electrical Unit is required to be on site during the pole replacement.

D Measurement

The Department will measure Replace Pole as each individual pole acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

| <u>ITEM NUMBER</u> | <u>DESCRIPTION</u> | <u>UNIT</u> |
|--------------------|--------------------|-------------|
| SPV.0060.04 | Replace Pole | Each |

Payment is full compensation for tensioning luminaire connection bolts; for removing and properly disposing of existing materials being replaced; for furnishing all materials; for fabricating, handling, transporting, and erecting; and for furnishing all labor, tools, equipment, incidentals and miscellaneous items to complete the repair.

37. Coordination with WisDOT

Contractor shall notify WisDOT Electrical Field Unit (414-266-1170) or WisDOT Signal Operations Unit (414-750-2605) at least five working days prior to performing any work on signal monotubes.

Plan Sheets

The following 8½ x 11-inch sheets are attached and made part of the plans for this proposal:
Added: 14A, 14B.

END OF ADDENDUM

Addendum No. 01
ID 1009-30-19
Added Sheet 14A
March 3, 2020

| COUNTY | STRUCTURE NUMBER | HIGHWAY | DIRECTION OF TRAVEL | LOCATION | TRAFFIC CONTROL | RESTRICTED HOURS | NOTES |
|-----------|------------------|-----------------------|---------------------|---|-----------------------|------------------|---|
| Kenosha | S-30-0234 | STH 165 E | E | Just W of CTHEZ | Lane Closure | - | 2 Lane Closures |
| Kenosha | S-30-0235 | STH 165 W | W | Just E of CTHEZ | Lane Closure | - | 2 Lane Closures |
| Kenosha | S-30-0236 | STH 165 W | W | Just W of CTH ML | Shoulder Closure | - | 1 Lane Closure |
| Kenosha | S-30-0610 | CTH EZ N | N | Just S of STH 165 | Lane/Shoulder Closure | - | 1 Lane Closure |
| Kenosha | S-30-0611 | CTH EZ S | S | Just N of STH 165 | Lane/Shoulder Closure | - | 1 Lane Closure |
| Kenosha | S-30-1133 | 71ST STE | E | All 41 S Exit Ramp | Lane Closure | 7-9 am; 3-6 pm | 1 Lane Closure |
| Milwaukee | S-40-1111 | STH 241 S | S | Just N of bridge over IH 43 | Lane Closure | 3-6 pm | 1 Lane Closure |
| Milwaukee | S-40-1116 | CTH ZZ W | W | Just E of IH 94 | Lane Closure | 3-6 pm | 1 Double-Lane and 1 Single-Lane Closure |
| Milwaukee | S-40-1124 | STH 100 W | W | At Kildeer Ct | Lane Closure | 7-9 am; 3-6 pm | 1 Lane Closure |
| Milwaukee | S-40-1141 | STH 24 N | N | Just N of Coldspring Rd | Lane Closure | 7-9 am; 3-6 pm | 1 Lane Closure |
| Milwaukee | S-40-1222 | STH 100 W | W | Just W of 91st St | Lane Closure | 7-9 am; 3-6 pm | 2 Lane Closures |
| Milwaukee | S-40-1248 | Drexel Ave S | E | Just E of IH 43 E Ramps | N.A. | 7-8 am; 3-6 pm | 1 Lane Closure |
| Milwaukee | S-40-1288 | IH 43 S Entrance Ramp | S | Just S of Silver Spring Dr. | Lane Closure | 7-9 am; 3-6 pm | 1 Lane Closure |
| Milwaukee | S-40-1291 | CTH BB E | E | At IH 41 S Ramps | Lane Closure | 7-9 am; 3-6 pm | Turn Lane |
| Milwaukee | S-40-1296 | CTH BB E | E | At IH 41 N Ramp | Lane Closure | 7-9 am; 3-6 pm | 1 Lane Closure |
| Milwaukee | S-40-1297 | STH 59 E | E | Just E of 101st St | N.A. | - | Utilize Grass Median |
| Milwaukee | S-40-1311 | USH 18 E | E | Just E of STH 100 | Lane Closure | 7-9 am; 3-6 pm | 1 Lane Closure |
| Milwaukee | S-40-1314 | USH 18 W | W | Just W of STH 100 | Lane Closure | 7-9 am; 3-6 pm | 1 Double-Lane Closure |
| Milwaukee | S-40-1316 | STH 100 N | N | Just N of USH 18 | Lane Closure | 7-9 am; 3-6 pm | 1 Lane Closure |
| Milwaukee | S-40-1319 | STH 100 S | S | Just S of W Wisconsin Ave | Lane Closure | 7-9 am; 3-6 pm | 1 Lane Closure |
| Milwaukee | S-40-1321 | Wisconsin Ave W | W | Just W of STH 100 | Lane Closure | - | 1 Lane Closure |
| Milwaukee | S-40-1323 | STH 100 N | N | Just N of Wisconsin Ave | Lane Closure | 7-9 am; 3-6 pm | Bike Lane |
| Milwaukee | S-40-1326 | Research Dr E | E | Just E of STH 100 | Lane Closure | 7-9 am | 1 Lane Closure |
| Milwaukee | S-40-1327 | STH 100 S | S | Just S of Research Dr | Lane Closure | 7-9 am; 3-6 pm | Turn Lane |
| Milwaukee | S-40-1329 | Potter RD W | W | Just W of STH 100 | Lane Closure | 7-9 am; 3-6 pm | 1 Lane Closure |
| Milwaukee | S-40-1330 | STH 100 N | N | Just N of Research Dr | Lane Closure | 7-9 am | Turn Lane |
| Milwaukee | S-40-1354 | STH 100 N | N | Just E of Intersection with IH 94 W Ramps | Shoulder Closure | - | Utilize Existing Trail for Access |
| Milwaukee | S-40-1355 | STH 100 S | S | Just S of IH 43 Exit ramp | Shoulder Closure | - | 1 Shoulder Closure |
| Milwaukee | S-40-1356 | National Ave E | E | Just W of IH 41 SB | Lane Closure | 7-9 am; 3-6 pm | 1 Lane Closure |

NOTES:

- RESTRICTED HOURS INDICATE THE TIME FRAMES WHEN LANE CLOSURES ARE NOT PERMITTED.
- A THREE-DAY ADVANCE NOTICE NEEDED FOR PCMS PLACEMENT. PCMS NEEDED FOR ALL FULL ROADWAY CLOSURES (RAMP, DIRECTION OF TRAVEL, ETC.)
- IF AN AUXILIARY LANE IS ADJACENT TO A RIGHT-LANE CLOSURE, CLOSE BOTH LANES.
- RAMP SHOULD REMAIN OPEN WHENEVER POSSIBLE
- TRAFFIC CONTROL NEEDS ARE SUBJECT TO CHANGE. MODIFICATION TO THE TYPE OF CLOSURE SHALL BE APPROVED BY THE REGION TRAFFIC CONTROL ENGINEER.

| COUNTY | STRUCTURE NUMBER | HIGHWAY | DIRECTION OF TRAVEL | LOCATION | TRAFFIC CONTROL | RESTRICTED HOURS | PCMS | 643.1050 TRAFFIC CONTROL SIGNS PCMS DAY | NOTES |
|-----------|------------------|-----------------|---------------------|--|------------------|------------------|-------|---|------------------|
| Milwaukee | S-40-1357 | National Ave W | W | Just W of I 894 SB | Lane Closure | 7-9 am; 3-6 pm | - | - | 1 Lane Closure |
| Milwaukee | S-40-1358 | USH 18 W | W | Just W of I 21 ST St | Lane Closure | 7-9 am; 3-6 pm | - | - | 1 Lane Closure |
| Milwaukee | S-40-1361 | USH 18 E | E | Just E of I 12 TH ST | Lane Closure | 7-9 am; 3-6 pm | - | - | 1 Lane Closure |
| Milwaukee | S-40-1363 | USH 18 E | E | Just E of N 92 ST | Lane Closure | 7-9 am; 3-6 pm | - | - | 1 Lane Closure |
| Milwaukee | S-40-1365 | USH 18 W | W | Just W of N 92 ST | Lane Closure | 7-9 am; 3-6 pm | - | - | 1 Lane Closure |
| Milwaukee | S-40-1431 | STH 38 S | S | AT COLLEGE AVE | Lane Closure | 3-6 pm | - | - | Sidewalk Closure |
| Racine | S-51-0214 | STH 20 W | W | Just E of CTH H | Lane Closure | - | - | - | Turn Lane |
| Racine | S-51-1101 | STH 36 S | S | Just S of STH 11 E | Lane Closure | - | - | - | 1 Lane Closure |
| Racine | S-51-1102 | CTH E W | W | Just W of STH 83 | Lane Closure | - | - | - | 1 Lane Closure |
| Racine | S-51-1105 | STH 83 S | S | Just S of STH 11 | Lane Closure | - | - | - | 1 Lane Closure |
| Racine | S-51-1107 | PINE ST N | N | Just N of STH 11 | Lane Closure | - | - | - | 1 Lane Closure |
| Racine | S-51-1153 | STH 20 W | W | Just W of CTH V | Lane Closure | 6-9 am; 3-6 pm | - | - | 1 Lane Closure |
| Walworth | S-64-0017 | USH 12 E | E | Just W of IH 43 | Ramp Closure | - | x | 3 | 2 Ramp Closures |
| Waukesha | S-67-0230 | STH 164 N | N | Just S of CTH ES | Lane Closure | - | - | - | Turn Lane |
| Waukesha | S-67-0238 | STH 145 S | S | 1/8 MN of US 41/45 | Lane Closure | - | - | - | Turn Lane |
| Waukesha | S-67-1107 | Moaine End Dr W | W | Just W of STH 83 | Lane Closure | 7-9 am; 3-6 pm | - | - | 1 Lane Closure |
| Waukesha | S-67-1112 | Heritage Dr E | E | Just E of STH 83 | Lane Closure | - | - | - | 1 Lane Closure |
| Waukesha | S-67-1116 | Golf Rd E | E | Just E of STH 83 | Lane Closure | - | - | - | 1 Lane Closure |
| Waukesha | S-67-1118 | Golf Rd W | W | Just W of STH 83 | Lane Closure | - | - | - | 1 Lane Closure |
| Waukesha | S-67-1128 | Hillside Dr W | W | Just W of STH 83 | Lane Closure | - | - | - | 1 Lane Closure |
| Waukesha | S-67-1269 | STH 164 S | S | Just S of CTH L | Shoulder Closure | - | - | - | Shoulder Closure |
| Waukesha | S-67-1270 | CTH L E | E | Just E of STH 164 | Lane Closure | - | - | - | 1 Lane Closure |
| Waukesha | S-67-1271 | CTH L W | W | Just W of STH 164 | Lane Closure | - | - | - | 1 Lane Closure |
| Waukesha | S-67-1329 | STH 164 S | S | Just S of Broadway St | N.A. | - | - | - | N.A. |
| St. Croix | L-55-0010 | IH 94 | WB | I-94 WB 0.35 MI W of I 11 TH St Over, NE Quadrant STH 35-N/IH-94 | Detour | - | x | 6 | Detour |
| St. Croix | L-55-0010 | IH 94 | WB | I-94 WB 0.35 MI W of I 11 TH St Over, NE Quadrant STH 35-N/IH-94 | Detour | - | x | 10 | Undistributed |
| | | | | | | | TOTAL | 19 | |

NOTES:
 - RESTRICTED HOURS INDICATE THE TIME FRAMES WHEN LANE CLOSURES ARE NOT PERMITTED.
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