



Northeast Region

Request for Proposals: Instructions to Proposers

Addendum #1 ~~Original Issue~~

Town of Grand Chute, College Avenue

IH 41 – Bluemound Drive

STH 125, Outagamie County

Design-Build Project

State Design/Construction IDs: 6526-00-00/71

June 23 ~~May 12~~, 2022

1.2.2 Project Environmental Status

National Environmental Policy Act (NEPA) requirements are complete. Categorical Exclusion (CE) was signed on December 21, 2021.

1.2.3 Status of Required Right-of-Way Acquisition

Existing and proposed permanent Right-of-Way and proposed Temporary Limited Easement (TLE) for the Project are as shown on the Transportation Project Plat (TPP) and the TLE Acquisition Exhibit in Book 2, Section 7, Exhibit 7-A. There are several parcels that are yet to be acquired by the Department. The Department will acquire these parcels, based on the following conditions, at no cost to the Design-Builder:

- Parcel 1 (TPP No: 6526-00-21 – 4.01 Amendment No. 1) is anticipated to be acquired by July 22, 2022.
- Parcel 6 (TPP No. 6526-00-21 – 4.02) is anticipated to be acquired by July 22, 2022.
- Parcel 12 (R/W Project Number: 6526-00-21, Sheet Number:1, TLE Acquisition Exhibit) is anticipated to be acquired by July 22, 2022.

1.2.4 Status of Utility Coordination/Relocation

The Department is continuing coordination efforts with all utilities known to be present within the Project limits. There are several utilities that will require relocation due to the Project. These relocations are scheduled to be completed by the time of Contract Award. Approved Utility Work Plans will be included in Book 2, Section 6, Exhibit 6-D when Approved by the Department. All Utility Work Plans are anticipated to be Approved by the Department by June ~~30~~¹⁰, 2022.

1.3 Project Goals

The Department's primary goals for this procurement and the Project include:

- Safety
 - Provide a safe Project area for the traveling public and workers during the execution of the Project.
 - Provide a Project solution that is consistent with current Department, Federal Highway Administration (FHWA), and American Association of State Highway and Transportation Officials (AASHTO) safety practices, guidelines, policies, and standards.
- Quality
 - Provide a high-quality product that meets or exceeds Department standards and minimizes future maintenance.
 - Implement and follow the Department's Performance-Based Practical Design Principles.

2 Procurement Schedule

The deadlines and due dates shown in Table 2-1 apply to this ITP. The Department may at its discretion amend this schedule by issuing an Addendum to the RFP.

Table 2-1: Procurement Schedule

May 13, 2022	Issue RFPs
May 27, 2022	Clarification Submittal #1 and One-on-One Meeting Agenda Deadline (5:00 pm Central Time)
June 2, 2022	One-on-One Meeting on RFP and Initial Alternative Technical Concepts (ATCs)
June 7, 2022	DBE Meet and Greet (see Note 1)
June 24 17, 2022	Clarification Submittal #2 and One-on-One Meeting Agenda Deadline (5:00 pm Central Time)
June 28 3, 2022	One-on-One Meeting on RFP and Initial/Final ATCs
July 5 4, 2022	Initial ATC Submittal Deadline (5 2:00 pm Central Time) (see Note 2)
July 8, 2022	Department Initial ATC Response Date
July 15, 2022	Final ATC Submittal Deadline (5:00 pm Central Time) (see Note 3)
July 22, 2022	Department Final ATC Response Date
July 29, 2022	Final ATC Resubmittal Deadline (5:00 pm Central Time)
August 1, 2022	SOQ Modification Request Deadline (5:00 pm Central Time)
August 1, 2022	Final Clarification Deadline (5:00 pm Central Time)
August 5, 2022	Department Final ATC Final Response Date
August 10, 2022	Department SOQ Modification Request Response Date
August 10, 2022	Department Clarification Response Date
August 19, 2022	Proposal (Technical Proposal and Price Proposal) Due Date (3:00 pm Central Time) (see Note 4)
September 9, 2022	Anticipated Award Date
October 7, 2022	Anticipated Contract Final Execution Date
October 21, 2022	Anticipated Notice to Proceed (NTP1)

Notes:

- (1) All Proposers are required to attend a Meet and Greet event with DBEs. The purpose of this meeting is to inform the DBE community about the Project and provide an opportunity for DBEs and Proposers to discuss DBE opportunities on this Project. The Department will provide the meeting location and time.
- (2) No Initial ATCs may be submitted after this deadline. ~~Initial ATCs must be submitted prior to submitting Final ATCs.~~
- (3) Final ATCs may be submitted at any time before this date. Upon receipt of a compliant ATC submittal (Section 3.8), the Department will respond according to the dates in Table 2-1.
- (4) Technical Proposal and Price Proposal to be submitted through the Department's eSubmit website. See Exhibit 1 for instructions on the Department's eSubmit transmittal process.

3.4 Communications

All inquiries and comments about the Project and its procurement process must be emailed to the Department's Project Management (Section 3.3.).

The Department's Project Management are the sole Department contacts for receiving Proposer Requests for Clarification, and all communications about the Project including ATCs, the RFP, and Proposal submittal. Proposer must not discuss the RFP with other Department staff members or Department consultants involved with the Project before Contract award or cancellation of the RFP, except for communications expressly permitted by this ITP or delegated by the Project Manager or ACS Program Manager. The Department may, at its sole discretion, disqualify any Proposer engaging in prohibited communications.

Proposer must identify and provide contact information for a sole primary contact (name, telephone (work and mobile), and email address) who will send information to and receive information from the Department's Project Management. Information may include, but is not limited to, Proposer Requests for Clarification, information about ATCs, and Department Addenda.

3.5 One-on-One Meetings

During the Proposal preparation period, the Department will be available for two One-on-One meetings with each Proposer to help expedite clarifications and preliminary discussions of Proposer's anticipated ATCs (see Section 3.8 for more information about ATCs). Each One-on-One meeting will be limited to 1.5 hours. The Department will provide the meeting location. The following dates and times are available for these meetings:

- RFP and initial ATCs: Thursday, June 2, 2022: 8:00 am, 10:00 am, 1:00 pm, 3:00 pm Central Time
- RFP and initial/final ATCs: ~~Tuesday~~Thursday, June 2~~3~~3, 2022: 8:00 am, 10:00 am, 1:00 pm, 3:00 pm Central Time

Proposers must reserve times, which will be filled on a first-come, first-served basis, by contacting the Department's ACS Program Manager (Section 3.3). Alternate meeting dates and times may be arranged by contacting the Department's ACS Program Manager.

To help the Department identify the Department staff who should attend One-on-One meetings, Proposers must submit an agenda of discussion topics to the Department's Project Management by the deadlines listed in Section 2, Table 2-1. Any topic not identified in a Proposer's agenda may be precluded from discussion at the meeting at the Department's sole discretion. Agendas that include initial or final ATCs must identify which disciplines are affected by the proposed ATC (e.g., geotechnical, structural, traffic). In addition, to increase the effectiveness of One-on-One meetings, Proposers are encouraged to include any drawings, exhibits, initial ATCs, or other pertinent information when submitting the agenda.

- The selection of a maintaining traffic alternative or a road closure alternative in accordance with Book 2, Section 18. Proposer shall state in the submitted narrative the number of ~~Lane User Impacts~~~~calendar days proposed~~~~anticipated~~ for the alternatives selected. The Proposer shall begin the Project Schedule narrative by completing the following statement:
 - Proposer commits to completing the required construction according to the alternatives selected, and described below, within # (insert number) of Lane User Impacts.
- Describe Proposer's construction approach to the selected alternatives.
- Define Proposer's schedule and the number of Lane User Impacts~~days and Calendar Days the Design-Builder~~~~you~~ could reduce the allowable time for the selected alternatives.
- Define Proposer's approach and schedule to work within the tree removal, migratory bird, and in-stream restrictions as defined in Book 2.
- Define Proposer's approach to maintenance of adequate channel capacity of Mud Creek during high-water events to reduce/eliminate risks to the Project Schedule.

Points for Project Schedule will be determined based on the following:

- Up to 8 points for the Proposer's approach to managing the schedule constraints and risks.
- Up to 7 points for reducing the Lane User Impacts~~calendar days~~ allowed in Book 2, Section 18, Table 18-1, for the traffic control alternatives selected by the Design-Builder based on the following:

~~Maintaining Traffic Alternative~~

- 1 point for each reduction of the allowed Lane User Impacts~~calendar days~~ by 105 Lane User Impacts~~days~~

~~Road Closure Alternative~~

- ~~1 point for each reduction of the allowed calendar days by 1 day~~

4.2.5.8 Mobility Within the Project Corridor (10 Points)

Mobility within the Project corridor during construction is vital to local and through traffic as well as providing access to area businesses. STH 125 eastbound traffic is a critical priority within this corridor and must be maintained as much as practical. Preliminary engineering performed by the Department investigated construction staging alternatives which included a full-closure option and a one lane in each direction with temporary crossovers option. Each option was viewed with the same favorability by area businesses. Describe Proposer's approach in providing efficient mobility through the Project corridor in relation to the traffic mitigation items below (items are not listed in any order of priority):



**Wisconsin Department of Transportation
Northeast Region**

Request for Proposals: Design-Build Contract

Book 1

Original Issue Addendum 1

Town of Grand Chute, College Avenue

IH 41 – Bluemound Drive,

STH 125, Outagamie County

Design-Build Project

State Design/Construction IDs: 6526-00-00/71

June 23 ~~May 12~~, 2022

1. The Department has Approved the Schedule of Values required under Book 2, Section 2.
2. The Department has Approved the Design-Builder's Quality Manual. To expedite construction activities, the Design-Builder may request that the Department Approve a partially complete Quality Manual at the Department's sole discretion.
3. The Department has Approved the environmental items listed in Book 2, Section 4.
4. The Department has Approved the Traffic Management Plan required under Book 2, Section 18.
5. The Department has Approved the insurance policies, endorsements, and/or certificates required under Book 1, Section 9.
6. The Department has Accepted the Baseline Critical Path Method (CPM) Schedule required under Book 2, Section 2.
7. The Department has Approved the Safety Management Plan (SMP) required under Book 2, Section 2.

4.3 Completion Dates

Completion Dates are the calendar dates defined below for Substantial Completion and Final Acceptance. Open to traffic requirements for the allowed Calendar Days are defined below.

4.3.1 Seasonal Suspension

Seasonal Suspension is defined as November 15th until March 1st. Work can continue during Seasonal Suspension provided that Work can be safely accomplished using temporary, short-term shoulder closures that are removed on a daily basis. No lane, bridge, or ramp or roadway closures will be allowed during the Seasonal Suspension except as stated in the Approved Seasonal Suspension Plan described in Book 2, Section 19.4.

Work that does not impact traffic may be allowed during the Seasonal Suspension at the discretion of the Department Project Manager. The Department will not participate in extra costs associated with performing work during the Seasonal Suspension.

4.3.2 Substantial Completion Date

The Design-Builder must achieve Substantial Completion by November 1, 2023 ("Substantial Completion Date").

4.3.2.1 Open to Traffic Requirements

The Design-Builder must complete roadway and bridge construction to open all lanes of traffic within the Lane Calendar User Impacts Days allowed for the selected traffic control alternatives in accordance with Book 2, Section 18. The Lane User Impacts for the selected traffic control

~~alternatives shall not be more than the number of Lane User Impacts shown in Book 2, Section 18, Table 18-1. The LaneCalendar User ImpactsDays allowed will be reduced if the Design-Builder's technical proposal proposes to open all lanes within a reduced number of LaneCalendar User ImpactsDays compared with from Book 2, Section 18, Table 18-1, to open all lanes of their selected traffic control alternatives. The proposed LaneCalendar User ImpactsDays by the Design-Builder will be the basis for assessing Lane Rental Damages shown in Book 2, Section 18. The LaneCalendar Days for the selected traffic control alternatives shall not be more than the number of LaneCalendar Days shown in Book 2, Section 18, Table 18-1.~~

4.3.3 Final Acceptance Deadline

The Design-Builder must achieve Final Acceptance no later than May 1, 2024. See Book 1, Section 11.3 on Limitations on Payment. Landscaping items may be exempted from Final Acceptance but will cause the Contract to remain open until the Transportation Construction General Permit, Notice of Termination, is received from the WDNR.

4.3.4 No Time Extensions

The Department is under no obligation to extend any Completion Date, except as specifically provided in Book 1, Section 12 and Section 13.

4.4 Contract Schedule

The Design-Builder must deliver the Project in accordance with the Contract Schedule, as described in Book 2, Section 2.4. The Contract Schedule will also be the basis for determining the amount of monthly progress payments to be made to the Design-Builder.

4.5 Prerequisites for Start of Construction

The Design-Builder must not start construction (or recommence construction following any suspension) of any portion of the Project, except Work specifically authorized under NTP1, until all the following events have occurred:

1. The Department has issued a Notice to Proceed authorizing such Work.
2. The Design-Builder has met all requirements of the Quality Manual that are a condition to commencing construction. The Department may waive this requirement in writing.
3. The Design-Builder has furnished the Released for Construction Documents related to that portion of the Work and has received the Department's Acceptance of those documents in accordance with Book 2, Section 5. The Design-Builder may proceed with construction of certain elements or portions of the Project in accordance with Released for Construction plans before the design of the entire Project has been completed at the



Wisconsin Department of Transportation

Northeast Region

Request for Proposals: Project Requirements

Book 2

Addendum #1 ~~Original Issue~~

Town of Grand Chute, College Avenue

IH 41 – Bluemound Drive,

STH 125, Outagamie County

Design-Build Project

State Design/Construction IDs: 6526-00-00/71

June 23 ~~May 12~~, 2022

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The Department will accept the Baseline CPM based solely on whether the schedule is complete as specified in this section. The Department's acceptance of the schedule does not modify the contract or validate the schedule.

The Department will not consider requests for contract time extensions or additional compensation for delay as specified in Book 1, Section 1300000 ~~or additional compensation as specified in 000000 for delay~~ until the Department Accepts the Baseline CPM schedule.

2.4.2.5 Schedule Updates

Submit CPM updates monthly after acceptance of the Baseline CPM as follows:

1. Include actual start dates, completion percentages, and remaining durations for activities started but not completed, and actual finish dates for completed activities, through the final acceptance of the Project.
2. Include additional activities as necessary to depict additions to the contract by changes and logic revisions as necessary to reflect changes in the Design-Builder's plan for prosecuting the Work.
3. Include a narrative report that includes a brief description of monthly progress, changes to the critical path from the previous update, sources of delay, potential problems, Work planned for the next 30 Calendar Days, and changes to the CPM schedule. Changes to the logic of the CPM schedule include the addition or deletion of activities and changes to activity descriptions, original durations, relationships, constraints, calendars, or previously recorded actual dates. Justify changes to the CPM schedule in the narrative by describing associated changes in the planned methods or manner of performing the Work or changes in the Work itself.
4. Submit each CPM Update in a compressed (XER) format electronically, as agreed to with The Department.
5. If additions or changes were made to the CPM schedule since the previous update, submit an updated hard copy of the revised logic diagram.

Within 10 Business Days of receiving each CPM Update, the Department will provide comments and either accept or reject the submitted schedule update. If necessary, the Department will schedule a meeting to address comments raised in the review. If the schedule is rejected, the Design-Builder will address the Department's comments and submit a revised CPM Update within 10 Business Days. Minimize the number of changes, and state within the narrative update the reasons for any changes to the schedule. The Department may elect to allow the Design-Builder to include modifications such as adding or deleting activities or modifying activity descriptions, durations, or logic without submitting a TIA as long as, in the sole opinion of the Department, the modifications do not:

- Alter the critical path(s) or near critical path(s)

4.4.2.14.2 *Surface Water Impacts*

Unless otherwise agreed upon prior to construction, no in-stream disturbance of Mud Creek will be allowed between March 1 and May 31, with both dates inclusive, to minimize impacts to fish and other aquatic organisms during sensitive time periods such as spawning and migration.

Structures should be set and sized to avoid or minimize impacts to stream morphology, aquatic organism passage and water quality.

Either alternative must be designed and constructed consistent with the standards contained in Chapters NR 103 and NR 299, Wis. Adm. Code, and wetland protection objectives, and the DNR/DOT Cooperative Agreement. Additionally, the selected alternative must be shown to be in compliance with Ch. 283, Wis. Stats.

Work with the WisDOT PM and REC to ensure on-going design coordination with DNR, review of the 90% Plans and Special Provisions, final Bureau of Structures (BOS) Hydraulics Summary, and a finalized Wetland Information Tracking Form (WITF), with an adequate alternatives analysis showing wetland impact avoidance and minimization.

Include the item Removing Structure Over Waterway Minimal Debris in project quantities.

If temporary water diversion is required during any stage of construction adhere to the Department's special provision, Temporary Water Diversion B-44-0010 Station 13+00 EB, found in Book 3, Exhibit 3-A.

For the Bridge Replacement with Single Slab Span Bridge Alternative, incorporate the following:

- Any areas of the stream that will be excavated or disturbed as part of structure removal and are not proposed to be under rip rap, should be filled in or restored with extra light rip rap up to the original stream bottom elevation.
- A wildlife passage will be accommodated by adding Select Crushed Material for Travel Corridor, in accordance with the special provision in Book 3, crushed aggregate at the top of the berm adjacent to the abutment on both sides of the structure as shown in Exhibit 4-B.
- Stormwater discharge from the bridge deck shall not be discharged directly to the stream, rather, shall be directed to a swale or rip rap prior to entering the waterway unless approved by the Department.
- Mud Creek has been on EPA's 303d impaired waters list since 1998 for Total Suspended Solids. Mud Creek is part of the Lower Fox River Total Phosphorus (TP) and Total Suspended Solids (TSS) Total Maximum Daily Limit (TMDL) that was approved by the EPA in 2012. This TMDL uses loading limit calculations to either approve or deny additional sources being discharged that would increase TP and TSS. If new stormwater discharge points are to be introduced with this structure, coordinate with the REC and DNR to determine necessary conditions for concurrence.

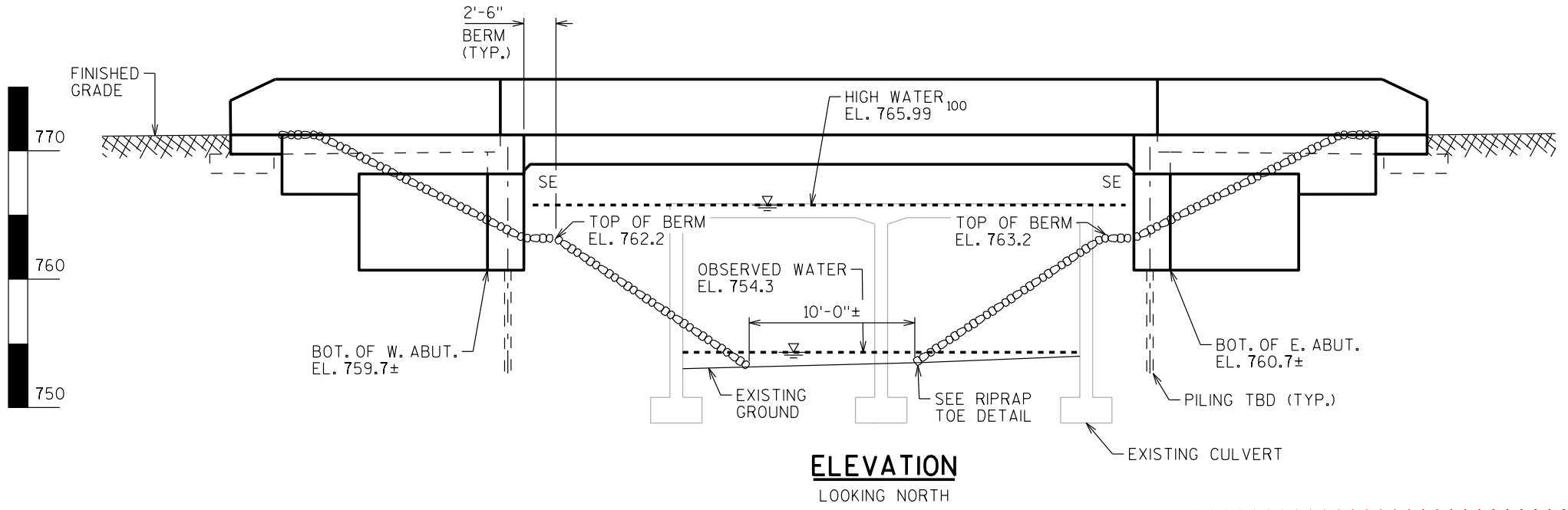
For the Bridge Replacement with Concrete Box Culvert Alternative, the Wisconsin Department of Natural Resources (DNR) did not grant preliminary concurrence but is willing to explore this

EXHIBITS

Exhibit 4-A Wetland and Waterway Impacts

Exhibit 4-B Wildlife Passage Location B-44-482

EXHIBIT 4-B
WILDLIFE PASSAGE LOCATION B-44-482



6.3.2 Department Supplied Information

The Department has compiled information regarding known utility facilities and their approximate locations within the Project area and has held two Utility Coordination Meetings (August 2021 and January 2022). Known utility contact information has been summarized in Exhibit 6-A; and Exhibit 6-B summarizes the Project Specific Utility Coordination, which describe the approximate locations of existing facilities and the anticipated conflicts, relocations, and constraints of those facilities within the Project improvement area.

The Department's draft Utility Status Report (USR) is attached as Exhibit 6-C.

Utility Work Plans will be provided in Exhibit 6-D for the Design-Builder when complete and Approved by the Department. All remaining Utility Work Plans are anticipated to be Approved by the Department by June 130, 2022. Portions of these work plans, utility agreements, utility permits, and some correspondence may be identified by the utility owners as being subject to homeland security provisions and confidential and so should not be shared.

If the Design-Builder discovers an unknown utility, a utility not accurately identified or located, or additional utility coordination requirements, immediately notify the Department and the utility. The Design-Builder's responsibilities regarding additional unknown utility relocations are provided in Book 2, Section 6.4.

6.4 Design-Builder Responsibilities

6.4.1 Utility Coordination

The Design-Builder shall hold a Utility Coordination Meeting with the Department and the utilities within 4 weeks of Award of the Contract, and as often as needed thereafter. Notify and invite the Department's Central Office and Region Utility Units at least five working days in advance of any utility meetings. This meeting will confirm utility locations, potential conflicts, and coordination requirements with the Design-Builder's design. The Design-Builder shall confirm Utility Work Plans for known utilities and begin scheduling Utility Work Plans for any recently discovered unknown utility conflicts. All Utility Work Plans shall first be reviewed and accepted by the Design-Builder and then sent to the Department for approval.

The Design-Builder shall use best efforts to minimize relocations and costs to utilities and be consistent with other requirements of the Contract Documents.

No additional compensation will be allowed for any delays, inconveniences, or damage sustained by the Design-Builder or its Subcontractors due to interference from utilities or the operation of relocating utilities when the circumstances are a result of the Design-Builder's design.

The Design-Builder's obligations with respect to each utility will include the following:

- Identify, locate, and verify all utilities located within the right-of-way and/or otherwise impacted by the Project. These utilities may be different than those indicated in the Known Utilities Contact Information, attached as Exhibit 6-A.

EXHIBIT 6-D APPROVED UTILITY WORK PLANS

~~Utility Work Plans will be provided in Exhibit 6-D for the Design-Builder when complete and Approved by the Department.~~

Utility Company Name ANR Pipeline Co - Gas/Petroleum	PLEASE RETURN THIS WORKSHEET BY April 14, 2022
Project Description Design Project ID: 6526-00-00 Construction Project ID: 6526-00-71 T. GRAND CHUTE, COLLEGE AVE IH41 - BLUEMOUND DRIVE STH 125, Outagamie County	RETURN TO Becky Reese Division of Transportation System Development Northeast Region 944 Vanderperren Way Green Bay WI 54304

- Describe your proposed relocation plan for the above project, as requested in the enclosed letter, using highway stationing whenever possible. Attach extra sheets if needed.

Wisconsin Department of Transportation has been provided with Piling placement and Shoring guidelines near TC Energy pipelines. Relocation of TC Energy pipelines is not required because WisDOT is following Piling placement and Shoring guidelines provided to them.

- Conflicting utility facilities will need to be relocated prior to construction. If this is not feasible, provide an explanation and an indication of what work will require coordination with the highway contractor during construction.

N/A

- Anticipated Start Date

N/A

- Estimated construction time required (In working days)

N/A

- List the approvals required and the expected time schedule to obtain those approvals.

N/A

- Include a list of the real estate parcels that the Wisconsin Department of Transportation (DOT) must have acquired to enable your company to complete the necessary facility installations and relocations prior to construction.

N/A

- Review the enclosed plans for the above project. Are your facilities correct as shown? If not, list the errors. In some cases, it may be easier to return a marked up copy of the plan. **It is very important that your facilities are shown correctly because all construction field personnel will use this information. Uncorrected location errors could create construction delays or damage to utility facilities.**

TC Energy pipelines are correctly shown on plans.

- Is this work dependent on work by other utilities? If so, which other utilities, and what time schedule has been coordinated with them?

N/A

- Please provide the name, address, and telephone number of the field contact person for this project, so that we may place this information on the highway plan

Name	
Todd Brister	
Address	
W3925 Pipeline Lane	
City, State, ZIP Code	
Eden, WI 53019	
Area Code - Telephone Number	Area Code - Telephone Number (Mobile)
920 - 477 - 2235	920 - 979 - 0060
E-mail Address	
todd_brister@tcenergy.com	

10. List any other relevant information that may impact the ultimate goal of preventing construction delay due to uncertain scheduling of utility facility relocations.

11.

Yes	No	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Do you have any facilities that are no longer in use but have been left in place in the project area? If "Yes", approximately where are the facilities located and what type and size of facility is involved?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Does the line have any remaining product?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Does the line have any asbestos wrap or any other hazardous materials associated with it?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Does any part of the line conflict directly with the proposed highway project? If so, what arrangements have been made to remove those portions? This should be mentioned as part of your work plan in question number 1 on this form.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Is there any reason the highway contractor cannot remove portions of the line left in place?

If you answered "Yes" to any of the questions above, please attach additional pages.

Preparer Area Code - Telephone #, Ext.	Preparer E-Mail Address	
312 - 521 - 9780	Benjamin_acheampong@tcenergy.com	
	<i>Benjamin Acheampong</i>	04/02/2022
	(Name of Person Who Prepared this Worksheet) (If completed electronically, Brush Script Font)	(Date)

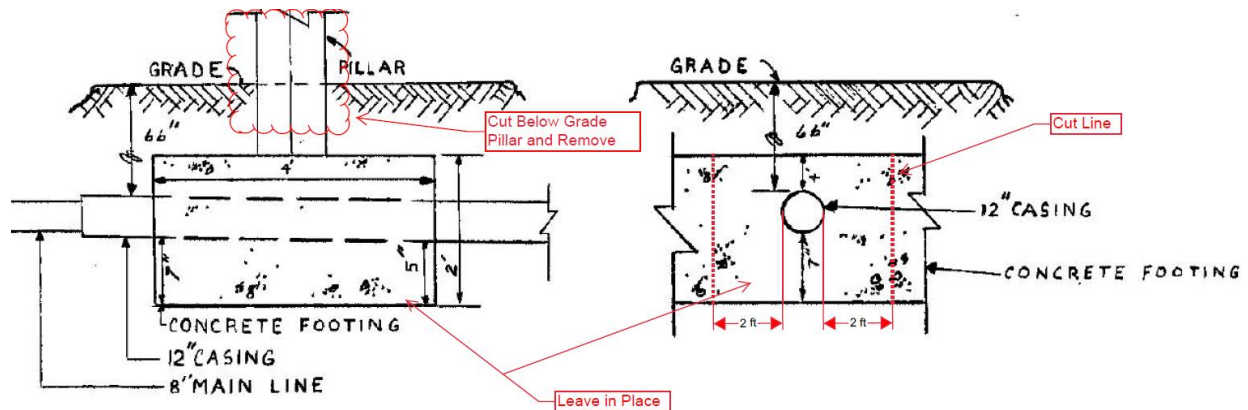
NOTE: DOT will be sending to you a Trans 220 Work Plan Approval letter and a Start Work Notice after we complete the review of your Work Plan.

Note:

8" TC Energy pipeline is coated with Coal Tar. Please call TC Energy representative to be around when working within 25ft of pipeline.

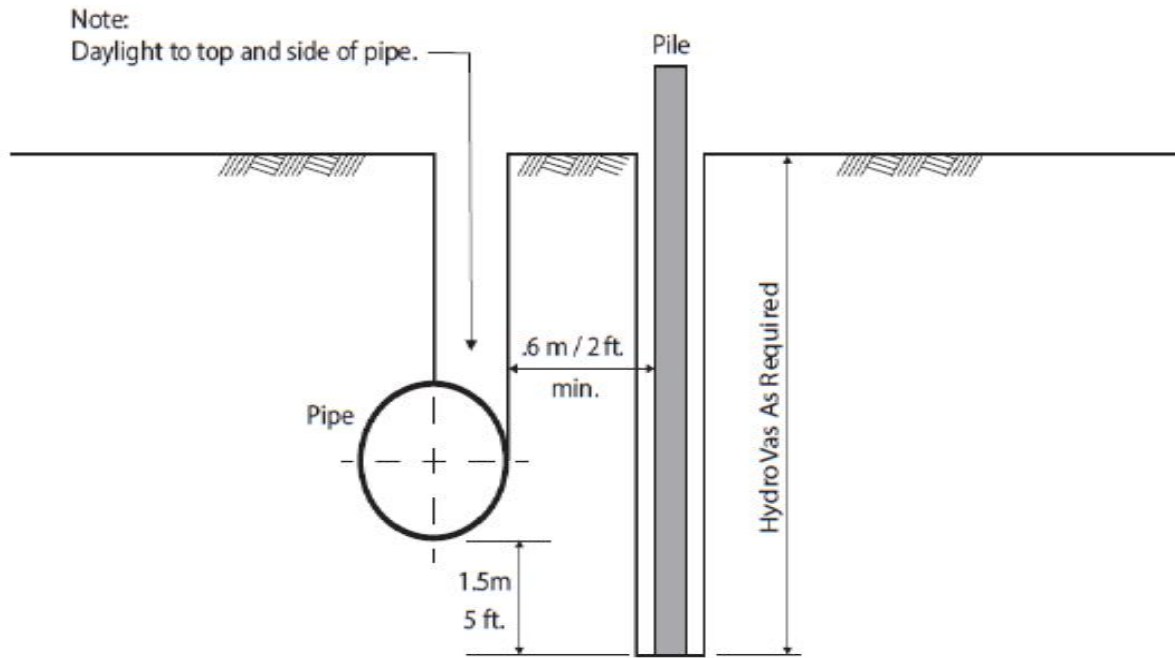
Concrete Removal Over/Adjacent to ANR Pipeline

- If concrete pillars must be removed over ANR Pipeline, they shall be cut below final grade and removed.
- If concrete footer adjacent to ANR pipeline needs to be removed, it shall be cut no closer than 2 ft from the edge of pipeline.
 - Cuts shall be made regardless if adjacent concrete is to be removed within 10 ft from the edge of pipeline using a hydraulic breaker/hammer
- No concrete footer shall be removed from over pipeline
- Cut off saw is recommended for making cuts
- During concrete removal no loads shall be suspended above an exposed pipeline



Piles Installed Adjacent to ANR Pipeline

- Piles shall not be suspended above an exposed pipeline
- Piles shall be adequately restrained with the use of taglines to prevent uncontrolled movement while the piles are being hoisted, placed, removed or withdrawn.
- Offsets in locations where piling pins have potential to be obscured shall be installed and documented.
- Ground vibration must be limited to that permitted by the state's blasting regulations where the pipeline is located, or a maximum of 2 in./sec PPV.
- The hand excavation or hydrovac pilot hole shall be a minimum of 4 in. greater in diameter (2 in. on the radius) than the driven piles.
 - Pilot holes shall be backfilled prior to commencement of piling
- Driven piles installed adjacent to gas pipeline shall be pilot holed to a depth which will launch the piling at a distance of 5 ft below the bottom of the pipe. See figure below.



Note:

1. Pilot hole minimum $4'' / 100\text{ mm}$ width than piling.
2. Launch piling $1.5\text{ m} / 5\text{ ft.}$ below BOP elevation if pile is within $1.5\text{ m} / 5\text{ ft.}$ from edge of pipe

- The pile driver derrick (leads) shall not be maneuvered within $600\text{ mm} (2\text{ ft})$ horizontal distance from the edge of gas pipeline.

Temporary Shoring Adjacent to ANR Pipeline

- Driven shoring shall conform to requirements for piling
- If temporary shoring is required directly above the pipeline, adequate protection shall be installed, and shoring shall not be installed closer than 2 ft from the pipeline.

APPROVED

UTILITY WORKSHEET

DT2236 6/2009 s.84.063 Wis. Stats.

Wisconsin Department of Transportation

Need SMA to include water valve adjustment as part of the project - PDS PM

to complete

Utility Company Name Grand Chute Sanitary District 1 - Water	PLEASE RETURN THIS WORKSHEET BY April 14, 2022
Project Description Design Project ID: 6526-00-00 Construction Project ID: 6526-00-71 T. GRAND CHUTE, COLLEGE AVE IH41 - BLUEMOUND DRIVE STH 125, Outagamie County	RETURN TO Becky Reese Division of Transportation System Development Northeast Region 944 Vanderperren Way Green Bay WI 54304

1. Describe your proposed relocation plan for the above project, as requested in the enclosed letter, using highway stationing whenever possible. Attach extra sheets if needed.

Relocation plan listed below is based on preliminary project plans dated 12/15/2021.

Grand Chute Sanitary District 1 has potential conflicts with the existing watermain on the north side of the existing box culvert, during excavation for the new structure. **No conflicts, depends on means/methods of D-B**

Grand Chute Sanitary District 1 has potential conflicts with the water valve box in the southeast quadrant of the intersection of S Kools Court and W Spencer Street.

2. Conflicting utility facilities will need to be relocated prior to construction. If this is not feasible, provide an explanation and an indication of what work will require coordination with the highway contractor during construction.

Depending on the limits of excavation required, the watermain may be in conflict. If adjustments are required, final adjustments can be made to the watermain at the time of construction without the need for relocation.

D-B to coordinate unknown conflict as necessary

Final adjustments can be made to the valve box at the time of construction without the need for relocation.

3. Anticipated Start Date

N/A

4. Estimated construction time required (In working days)

N/A

5. List the approvals required and the expected time schedule to obtain those approvals.

N/A

6. Include a list of the real estate parcels that the Wisconsin Department of Transportation (DOT) must have acquired to enable your company to complete the necessary facility installations and relocations prior to construction.

N/A

7. Review the enclosed plans for the above project. Are your facilities correct as shown? If not, list the errors. In some cases, it may be easier to return a marked up copy of the plan. **It is very important that your facilities are shown correctly because all construction field personnel will use this information. Uncorrected location errors could create construction delays or damage to utility facilities.**

Grand Chute Sanitary District 1 facilities appear to be shown correctly.

8. Is this work dependent on work by other utilities? If so, which other utilities, and what time schedule has been coordinated with them?

N/A

9. Please provide the name, address, and telephone number of the field contact person for this project, so that we may place this information on the highway plan

N/A

Name	
Mark Van Der Wegen	
Address	
1900 W Grand Chute Boulevard	
City, State, ZIP Code	
Grand Chute, WI 54913	
Area Code - Telephone Number	Area Code - Telephone Number (Mobile)
920-832-1581	920-422-6674
E-mail Address	
mark.vanderwegen@grandchute.net	

10. List any other relevant information that may impact the ultimate goal of preventing construction delay due to uncertain scheduling of utility facility relocations.

N/A

11.

Yes	No	
*	<input checked="" type="checkbox"/>	Do you have any facilities that are no longer in use but have been left in place in the project area? If "Yes", approximately where are the facilities located and what type and size of facility is involved?
*	<input checked="" type="checkbox"/>	Does the line have any remaining product?
*	<input checked="" type="checkbox"/>	Does the line have any asbestos wrap or any other hazardous materials associated with it?
*	<input checked="" type="checkbox"/>	Does any part of the line conflict directly with the proposed highway project? If so, what arrangements have been made to remove those portions? This should be mentioned as part of your work plan in question number 1 on this form.
*	<input checked="" type="checkbox"/>	Is there any reason the highway contractor cannot remove portions of the line left in place?

If you answered "Yes" to any of the questions above, please attach additional pages.

Preparer Area Code – Telephone #, Ext.	Preparer E-Mail Address	
	(Name of Person Who Prepared this Worksheet) (If completed electronically, Brush Script Font)	(Date)

NOTE: DOT will be sending to you a Trans 220 Work Plan Approval letter and a Start Work Notice after we complete the review of your Work Plan.

APPROVED

UTILITY WORKSHEET

DT2236 6/2009 s.84.063 Wis. Stats.

Need SMA to include as part of the project - PDS PM to complete

Wisconsin Department of Transportation

Utility Company Name Grand Chute Sanitary District 2 - Sewer	PLEASE RETURN THIS WORKSHEET BY April 14, 2022
Project Description Design Project ID: 6526-00-00 Construction Project ID: 6526-00-71 T. GRAND CHUTE, COLLEGE AVE IH41 - BLUEMOUND DRIVE STH 125, Outagamie County	RETURN TO Becky Reese Division of Transportation System Development Northeast Region 944 Vanderperren Way Green Bay WI 54304

1. Describe your proposed relocation plan for the above project, as requested in the enclosed letter, using highway stationing whenever possible. Attach extra sheets if needed.

Relocation plan listed below is based on preliminary project plans dated 12/15/2021.

Grand Chute Sanitary District 2 may require vertical adjustment of the sanitary manhole in the northeast corner of the structure replacement, on STH 125/W College Avenue at STA 113'WB'+00, LT, based on the grading and sloping limits. In addition, the sanitary manholes at STA 128+75, RT and STA 131+50 may require vertical adjustment based on the finished pavement grades when the roadway is widened and surfaced.

2. Conflicting utility facilities will need to be relocated prior to construction. If this is not feasible, provide an explanation and an indication of what work will require coordination with the highway contractor during construction.

Adjusting sanitary sewer manholes to the proposed grades can be completed during construction to avoid multiple mobilizations. If adjustments are required, the work will be completed under the WisDOT contract and Contractor as a Special Provision ~~and will be compensable.~~

3. Anticipated Start Date

N/A.

4. Estimated construction time required (In working days)

N/A

5. List the approvals required and the expected time schedule to obtain those approvals.

N/A

6. Include a list of the real estate parcels that the Wisconsin Department of Transportation (DOT) must have acquired to enable your company to complete the necessary facility installations and relocations prior to construction.

N/A

7. Review the enclosed plans for the above project. Are your facilities correct as shown? If not, list the errors. In some cases, it may be easier to return a marked up copy of the plan. **It is very important that your facilities are shown correctly because all construction field personnel will use this information. Uncorrected location errors could create construction delays or damage to utility facilities.**

Grand Chute Sanitary District 2 facilities appear to be shown correctly.

8. Is this work dependent on work by other utilities? If so, which other utilities, and what time schedule has been coordinated with them?

N/A

9. Please provide the name, address, and telephone number of the field contact person for this project, so that we may place this information on the highway plan

N/A

Name	
Mark Van Der Wegen	
Address	
1900 W. Grand Chute Boulevard	
City, State, ZIP Code	
Grand Chute, WI 54913	
Area Code - Telephone Number	Area Code - Telephone Number (Mobile)
920-832-1581	920-422-6674
E-mail Address	
mark.vanderwegen@grandchute.net	

10. List any other relevant information that may impact the ultimate goal of preventing construction delay due to uncertain scheduling of utility facility relocations.

Manhole adjustment/reconstruction is a Special Provision item. To reduce delays in the Town obtaining a Contractor, the WisDOT Contractor will have control of that work, in to do the work while under construction.

11.

Yes	No	
*	<input checked="" type="checkbox"/>	Do you have any facilities that are no longer in use but have been left in place in the project area? If "Yes", approximately where are the facilities located and what type and size of facility is involved?
*	<input checked="" type="checkbox"/>	Does the line have any remaining product?
*	<input checked="" type="checkbox"/>	Does the line have any asbestos wrap or any other hazardous materials associated with it?
*	<input checked="" type="checkbox"/>	Does any part of the line conflict directly with the proposed highway project? If so, what arrangements have been made to remove those portions? This should be mentioned as part of your work plan in question number 1 on this form.
*	<input checked="" type="checkbox"/>	Is there any reason the highway contractor cannot remove portions of the line left in place?

If you answered "Yes" to any of the questions above, please attach additional pages.

Preparer Area Code – Telephone #, Ext.	Preparer E-Mail Address	
	(Name of Person Who Prepared this Worksheet) (If completed electronically, Brush Script Font)	(Date)

NOTE: DOT will be sending to you a Trans 220 Work Plan Approval letter and a Start Work Notice after we complete the review of your Work Plan.

Utility Company Name Level 3 Communications LLC - Communication Line	PLEASE RETURN THIS WORKSHEET BY April 14, 2022
Project Description Design Project ID: 6526-00-00 Construction Project ID: 6526-00-71 T. GRAND CHUTE, COLLEGE AVE IH41 - BLUEMOUND DRIVE STH 125, Outagamie County	RETURN TO Becky Reese Division of Transportation System Development Northeast Region 944 Vanderperren Way Green Bay WI 54304

- Describe your proposed relocation plan for the above project, as requested in the enclosed letter, using highway stationing whenever possible. Attach extra sheets if needed.

Lumen does not anticipate conflicts with the proposed improvements under WisDOT Project 6526-00-00 and our existing facilities. We have one fiber optic cable that runs along the North side of STH 125, approximately 100 ft north of the Westbound centerline. Lumen has provided the DOT with a survey file of our exact location and depth along the north. Therefore, we do not anticipate any conflicts with the proposed slab.

We recommend that best practices and DIGGER procedures be followed to protect cables in place prior to performing any excavation work. If locates vary from those shown, please reach out to Lumen. This project is being tracked as P-155370.

- Conflicting utility facilities will need to be relocated prior to construction. If this is not feasible, provide an explanation and an indication of what work will require coordination with the highway contractor during construction.

N/A

- Anticipated Start Date

N/A

- Estimated construction time required (In working days)

N/A

- List the approvals required and the expected time schedule to obtain those approvals.

N/A

- Include a list of the real estate parcels that the Wisconsin Department of Transportation (DOT) must have acquired to enable your company to complete the necessary facility installations and relocations prior to construction.

N/A

- Review the enclosed plans for the above project. Are your facilities correct as shown? If not, list the errors. In some cases, it may be easier to return a marked up copy of the plan. **It is very important that your facilities are shown correctly because all construction field personnel will use this information. Uncorrected location errors could create construction delays or damage to utility facilities.**

Yes. A DWG file has also been provided to the DOT, following our surveyed findings. This includes the location and depth of our existing fiber optic cable.

- Is this work dependent on work by other utilities? If so, which other utilities, and what time schedule has been coordinated with them?

N/A

9. Please provide the name, address, and telephone number of the field contact person for this project, so that we may place this information on the highway plan

Name	
Brahim Gaddour	
Address	
3235 Intertech Dr. Suite 600	
City, State, ZIP Code	
Brookfield, WI 53045	
Area Code - Telephone Number	Area Code - Telephone Number (Mobile)
(414) 908-1027	(414) 704-1026
E-mail Address	
Brahim.gaddour@lumen.com	

10. List any other relevant information that may impact the ultimate goal of preventing construction delay due to uncertain scheduling of utility facility relocations.

N/A

11.

Yes	No	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Do you have any facilities that are no longer in use but have been left in place in the project area? If "Yes", approximately where are the facilities located and what type and size of facility is involved?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Does the line have any remaining product?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Does the line have any asbestos wrap or any other hazardous materials associated with it?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Does any part of the line conflict directly with the proposed highway project? If so, what arrangements have been made to remove those portions? This should be mentioned as part of your work plan in question number 1 on this form.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Is there any reason the highway contractor cannot remove portions of the line left in place?

If you answered "Yes" to any of the questions above, please attach additional pages.

Preparer Area Code – Telephone #, Ext. (708) 415-0568	Preparer E-Mail Address evizcaino@hbkengeering.com	
	<i>Edward Vizcaino</i>	01/11/2022
	(Name of Person Who Prepared this Worksheet) (If completed electronically, Brush Script Font)	(Date)

NOTE: DOT will be sending to you a Trans 220 Work Plan Approval letter and a Start Work Notice after we complete the review of your Work Plan.

Utility Company Name Spectrum - Communication Line	PLEASE RETURN THIS WORKSHEET BY April 14, 2022
Project Description Design Project ID: 6526-00-00 Construction Project ID: 6526-00-71 T. GRAND CHUTE, COLLEGE AVE IH41 - BLUEMOUND DRIVE STH 125, Outagamie County	RETURN TO Becky Reese Division of Transportation System Development Northeast Region 944 Vanderperren Way Green Bay WI 54304

1. Describe your proposed relocation plan for the above project, as requested in the enclosed letter, using highway stationing whenever possible. Attach extra sheets if needed.
 - A. Charter Communications anticipates no conflicts with this project.
 - B. Any unforeseen conflicts will need to be adjusted during construction.
2. Conflicting utility facilities will need to be relocated prior to construction. If this is not feasible, provide an explanation and an indication of what work will require coordination with the highway contractor during construction.

NA
3. Anticipated Start Date

NA
4. Estimated construction time required (In working days)

NA
5. List the approvals required and the expected time schedule to obtain those approvals.

NA
6. Include a list of the real estate parcels that the Wisconsin Department of Transportation (DOT) must have acquired to enable your company to complete the necessary facility installations and relocations prior to construction.

NA
7. Review the enclosed plans for the above project. Are your facilities correct as shown? If not, list the errors. In some cases, it may be easier to return a marked up copy of the plan. **It is very important that your facilities are shown correctly because all construction field personnel will use this information. Uncorrected location errors could create construction delays or damage to utility facilities.**

YES
8. Is this work dependent on work by other utilities? If so, which other utilities, and what time schedule has been coordinated with them?

NA
9. Please provide the name, address, and telephone number of the field contact person for this project, so that we may place this information on the highway plan

Name	
Vince Albin	
Address	
3520 Destination Dr	
City, State, ZIP Code	
Appleton WI 54915	
Area Code - Telephone Number	Area Code - Telephone Number (Mobile)
920-831-9249	920-378-0444
E-mail Address	
Vince.albin@charter.com	

10. List any other relevant information that may impact the ultimate goal of preventing construction delay due to uncertain scheduling of utility facility relocations.

11.

Yes No

Do you have any facilities that are no longer in use but have been left in place in the project area? If "Yes", approximately where are the facilities located and what type and size of facility is involved?

Does the line have any remaining product?

Does the line have any asbestos wrap or any other hazardous materials associated with it?

Does any part of the line conflict directly with the proposed highway project? If so, what arrangements have been made to remove those portions? This should be mentioned as part of your work plan in question number 1 on this form.

Is there any reason the highway contractor cannot remove portions of the line left in place?

If you answered "Yes" to any of the questions above, please attach additional pages.

Preparer Area Code – Telephone #, Ext.	Preparer E-Mail Address	
920-831-9249	Vince.albin@charter.com	
		4-4-2022
	(Name of Person Who Prepared this Worksheet) (If completed electronically, Brush Script Font)	(Date)

NOTE: DOT will be sending to you a Trans 220 Work Plan Approval letter and a Start Work Notice after we complete the review of your Work Plan.

Vince Albin

Digitally signed by Vince Albin
 DN: cn=Vince Albin, gn=Vince Albin, c=US
 United States, l=US, United States
 o=Charter Communications
 e=vince.albin@charter.com
 Reason: I am the author of this document
 Location:
 Date: 2022-04-04 14:46:05:00

Utility Company Name WIN Technology - Communication Line	PLEASE RETURN THIS WORKSHEET BY April 14, 2022
Project Description Design Project ID: 6526-00-00 Construction Project ID: 6526-00-71 T. GRAND CHUTE, COLLEGE AVE IH41 - BLUEMOUND DRIVE STH 125, Outagamie County	RETURN TO Becky Reese Division of Transportation System Development Northeast Region 944 Vanderperren Way Green Bay WI 54304

1. Describe your proposed relocation plan for the above project, as requested in the enclosed letter, using highway stationing whenever possible. Attach extra sheets if needed.

No utility conflict anticipated

2. Conflicting utility facilities will need to be relocated prior to construction. If this is not feasible, provide an explanation and an indication of what work will require coordination with the highway contractor during construction.

No utility conflict anticipated

3. Anticipated Start Date **No utility conflict anticipated**

4. Estimated construction time required (In working days) **No utility conflict anticipated**

5. List the approvals required and the expected time schedule to obtain those approvals. **No utility conflict anticipated**

6. Include a list of the real estate parcels that the Wisconsin Department of Transportation (DOT) must have acquired to enable your company to complete the necessary facility installations and relocations prior to construction.

No utility conflict anticipated

7. Review the enclosed plans for the above project. Are your facilities correct as shown? If not, list the errors. In some cases, it may be easier to return a marked up copy of the plan. **It is very important that your facilities are shown correctly because all construction field personnel will use this information. Uncorrected location errors could create construction delays or damage to utility facilities.** WIN facility map previously provided

8. Is this work dependent on work by other utilities? If so, which other utilities, and what time schedule has been coordinated with them? **No utility conflict anticipated**

9. Please provide the name, address, and telephone number of the field contact person for this project, so that we may place this information on the highway plan

Name Ken Whiting	
Address 4955 Bullis Farm Road	
City, State, ZIP Code Eau Claire – WI - 54701	
Area Code - Telephone Number NMC – 866-206-2027	Area Code - Telephone Number (Mobile) 920-376-2996
E-mail Address ken.whiting@wintechnology.com	

10. List any other relevant information that may impact the ultimate goal of preventing construction delay due to uncertain scheduling of utility facility relocations. **No utility conflict anticipated**

11.

Yes No

 Do you have any facilities that are no longer in use but have been left in place in the project area? If "Yes", approximately where are the facilities located and what type and size of facility is involved?

No

 Does the line have any remaining product?

 Does the line have any asbestos wrap or any other hazardous materials associated with it?

 Does any part of the line conflict directly with the proposed highway project? If so, what arrangements have been made to remove those portions? This should be mentioned as part of your work plan in question number 1 on this form.

 Is there any reason the highway contractor cannot remove portions of the line left in place?

If you answered "Yes" to any of the questions above, please attach additional pages.

Preparer Area Code – Telephone #, Ext. 920-376-2996	Preparer E-Mail Address ken.whiting@wintechnology.com	
<i>Ken Whiting</i>	(Name of Person Who Prepared this Worksheet) (If completed electronically, Brush Script Font)	18 March 2022

NOTE: DOT will be sending to you a Trans 220 Work Plan Approval letter and a Start Work Notice after we complete the review of your Work Plan.

UTILITY WORKSHEET

APPROVED

Wisconsin Department of Transportation

DT2236 6/2009 s.84.063 Wis. Stats.

Utility Company Name Windstream KDL, LLC - Communication Line	PLEASE RETURN THIS WORKSHEET BY April 14, 2022
Project Description Design Project ID: 6526-00-00 Construction Project ID: 6526-00-71 T. GRAND CHUTE, COLLEGE AVE IH41 - BLUEMOUND DRIVE STH 125, Outagamie County	RETURN TO Becky Reese Division of Transportation System Development Northeast Region 944 Vanderperren Way Green Bay WI 54304

1. Describe your proposed relocation plan for the above project, as requested in the enclosed letter, using highway stationing whenever possible. Attach extra sheets if needed.

NO CONFLICT ANTICIPATED. See attached network map. This isn't pinpoint accurate as to the location but it is enough to determine we are on the pole line on the North side of Spencer for the length of the project with exception of a buried section under the interstate. Assuming there will be no relocations with that pole line.

2. Conflicting utility facilities will need to be relocated prior to construction. If this is not feasible, provide an explanation and an indication of what work will require coordination with the highway contractor during construction.

N/A

3. Anticipated Start Date

N/A

4. Estimated construction time required (In working days)

N/A

5. List the approvals required and the expected time schedule to obtain those approvals.

N/A

6. Include a list of the real estate parcels that the Wisconsin Department of Transportation (DOT) must have acquired to enable your company to complete the necessary facility installations and relocations prior to construction.

N/A

7. Review the enclosed plans for the above project. Are your facilities correct as shown? If not, list the errors. In some cases, it may be easier to return a marked up copy of the plan. **It is very important that your facilities are shown correctly because all construction field personnel will use this information. Uncorrected location errors could create construction delays or damage to utility facilities.**

N/A

8. Is this work dependent on work by other utilities? If so, which other utilities, and what time schedule has been coordinated with them?

N/A

9. Please provide the name, address, and telephone number of the field contact person for this project, so that we may place this information on the highway plan

Name	
ERIC BECKER / LORI KETTER	
Address	
314 N DANZ AVE	
City, State, ZIP Code	
GREEN BAY, WI 54302	
Area Code - Telephone Number	Area Code - Telephone Number (Mobile)
920-461-9825 OR 920-410-6902	
E-mail Address	
Eric.Becker@windstream.com or Lori.Ketter@windstream.com	

10. List any other relevant information that may impact the ultimate goal of preventing construction delay due to uncertain scheduling of utility facility relocations.

11.

Yes	No	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Do you have any facilities that are no longer in use but have been left in place in the project area? If "Yes", approximately where are the facilities located and what type and size of facility is involved?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Does the line have any remaining product?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Does the line have any asbestos wrap or any other hazardous materials associated with it?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Does any part of the line conflict directly with the proposed highway project? If so, what arrangements have been made to remove those portions? This should be mentioned as part of your work plan in question number 1 on this form.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Is there any reason the highway contractor cannot remove portions of the line left in place?

If you answered "Yes" to any of the questions above, please attach additional pages.

Preparer Area Code – Telephone #, Ext.	Preparer E-Mail Address	
920-461-9825	Eric.becker@windstream.com	
	<i>Eric Becker</i>	3-15-22
	(Name of Person Who Prepared this Worksheet) (If completed electronically, Brush Script Font)	(Date)

NOTE: DOT will be sending to you a Trans 220 Work Plan Approval letter and a Start Work Notice after we complete the review of your Work Plan.

UTILITY WORKSHEET

DT2236 6/2009 s.84.063 Wis. Stats.

Wisconsin Department of Transportation

Utility Company Name Windstream KDL, LLC - Communication Line	PLEASE RETURN THIS WORKSHEET BY April 14, 2022
Project Description Design Project ID: 6526-00-00 Construction Project ID: 6526-00-71 T. GRAND CHUTE, COLLEGE AVE IH41 - BLUEMOUND DRIVE STH 125, Outagamie County	RETURN TO Becky Reese Division of Transportation System Development Northeast Region 944 Vanderperren Way Green Bay WI 54304

1. Describe your proposed relocation plan for the above project, as requested in the enclosed letter, using highway stationing whenever possible. Attach extra sheets if needed.

Windstream does not have facilities along College Ave between IH 41 and Bluemound Drive, therefore no relocation will be required.

2. Conflicting utility facilities will need to be relocated prior to construction. If this is not feasible, provide an explanation and an indication of what work will require coordination with the highway contractor during construction.

NA

3. Anticipated Start Date

NA

4. Estimated construction time required (In working days)

NA

5. List the approvals required and the expected time schedule to obtain those approvals.

NA

6. Include a list of the real estate parcels that the Wisconsin Department of Transportation (DOT) must have acquired to enable your company to complete the necessary facility installations and relocations prior to construction.

NA

7. Review the enclosed plans for the above project. Are your facilities correct as shown? If not, list the errors. In some cases, it may be easier to return a marked up copy of the plan. **It is very important that your facilities are shown correctly because all construction field personnel will use this information. Uncorrected location errors could create construction delays or damage to utility facilities.**

NA

8. Is this work dependent on work by other utilities? If so, which other utilities, and what time schedule has been coordinated with them?

NA

9. Please provide the name, address, and telephone number of the field contact person for this project, so that we may place this information on the highway plan

Name	
Lori Ketter	
Address	
314 N. Danz Avenue	
City, State, ZIP Code	
Green Bay, WI 54302-3526	
Area Code - Telephone Number	Area Code - Telephone Number (Mobile)
(920) 410-6902	(920) 410-6902
E-mail Address	
Lori.Ketter@Windstream.com	

10. List any other relevant information that may impact the ultimate goal of preventing construction delay due to uncertain scheduling of utility facility relocations.

11.

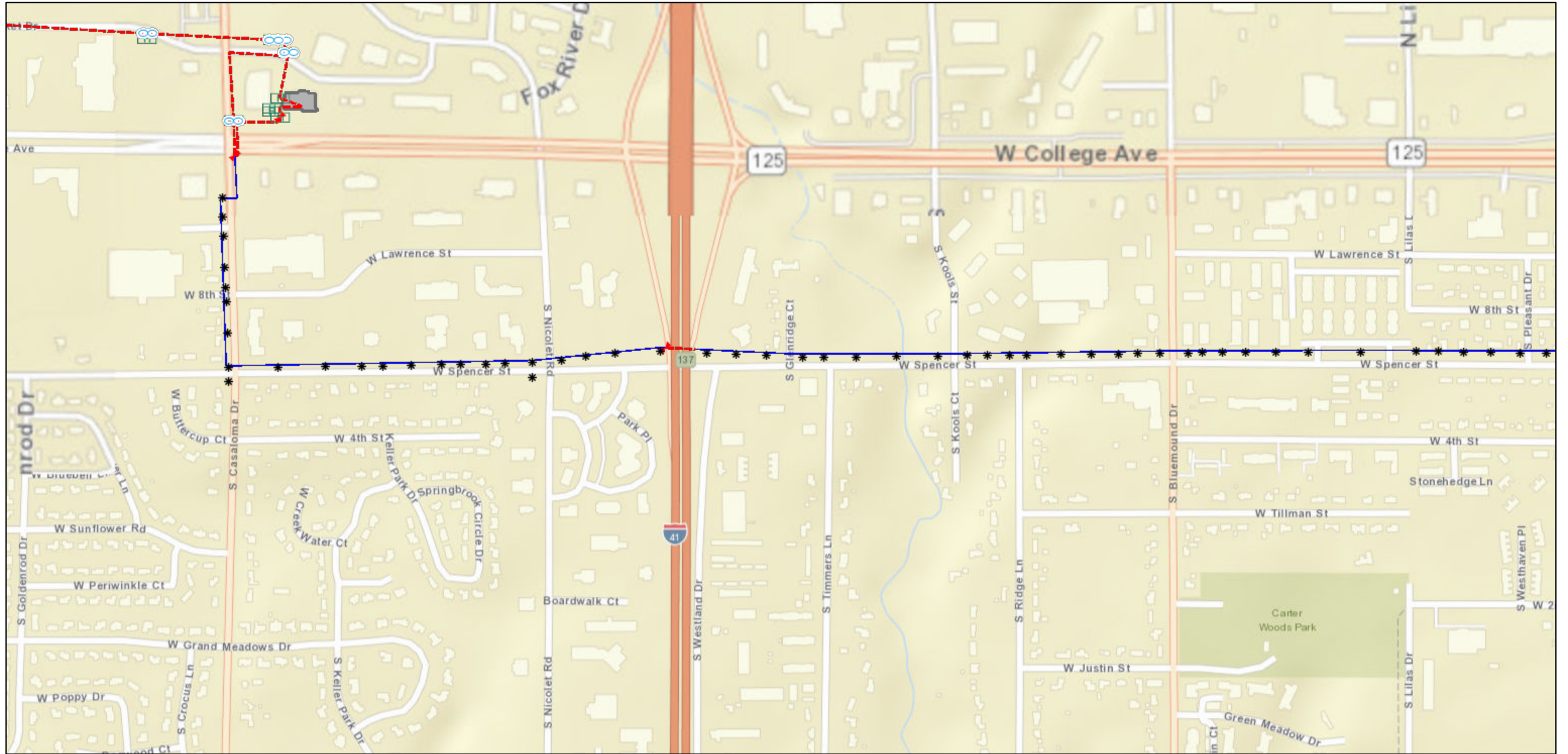
Yes	No	
<input type="checkbox"/>	<input type="checkbox"/>	Do you have any facilities that are no longer in use but have been left in place in the project area? If "Yes", approximately where are the facilities located and what type and size of facility is involved?
<input type="checkbox"/>	<input type="checkbox"/>	Does the line have any remaining product?
<input type="checkbox"/>	<input type="checkbox"/>	Does the line have any asbestos wrap or any other hazardous materials associated with it?
<input type="checkbox"/>	<input type="checkbox"/>	Does any part of the line conflict directly with the proposed highway project? If so, what arrangements have been made to remove those portions? This should be mentioned as part of your work plan in question number 1 on this form.
<input type="checkbox"/>	<input type="checkbox"/>	Is there any reason the highway contractor cannot remove portions of the line left in place?

If you answered "Yes" to any of the questions above, please attach additional pages.

Preparer Area Code – Telephone #, Ext.	Preparer E-Mail Address	
(920) 410-6902	Lori.Ketter@Windstream.com	
	<i>Lori S. Ketter</i>	04/16/2022
	(Name of Person Who Prepared this Worksheet) (If completed electronically, Brush Script Font)	(Date)

NOTE: DOT will be sending to you a Trans 220 Work Plan Approval letter and a Start Work Notice after we complete the review of your Work Plan.

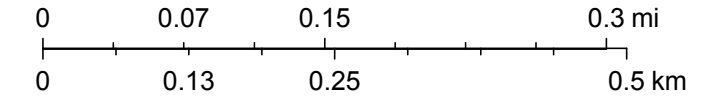
Windstream - W SPENCER ST - APPLETON WI



3/15/2022, 2:01:28 PM

1:9,028

- | | | | | | | | |
|----------------------|-------------------------|-----------------------------|--------------------|------------------|--------------------------------|---------------------------|----|
| Repeaters | Conduit | Aerial - Under Construction | Underground | Fiber Splices | Terminals | AMP | IC |
| Load Coils | Windstream IRU Fiber | Buried - Under Construction | Structures | Fiber | DSLAM | COAM | |
| Broadband Amps | Windstream Fiber | FttP Fiber | <all other values> | Splitter | Cross Connects | DIRECTIONAL COUPLER | |
| Fixed Wireless Poles | Aerial | Aerial | HH | Slack Loop | Risers | DIRECTIONAL COUPLER LEFT | |
| Parcels | Buried | Underground | MH | Poles | CATV Equipment | DIRECTIONAL COUPLER RIGHT | |
| Buildings | Aerial - Proposed | Copper | Vault | Windstream Owned | 2 WAY SPLITTER; 3 WAY SPLITTER | HEADEND | |
| | Buried - Proposed | Aerial | | Foreign Owned | 3 WAY SPLITTER UNBALANCED | | |



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

UTILITY WORKSHEET

APPROVED

Wisconsin Department of Transportation

DT2236 6/2009 s.84.063 Wis. Stats.

Utility Company Name CenturyLink - Communication Line	PLEASE RETURN THIS WORKSHEET BY April 14, 2022
Project Description Design Project ID: 6526-00-00 Construction Project ID: 6526-00-71 T. GRAND CHUTE, COLLEGE AVE IH41 - BLUEMOUND DRIVE STH 125, Outagamie County	RETURN TO Becky Reese Division of Transportation System Development Northeast Region 944 Vanderperren Way Green Bay WI 54304

- Describe your proposed relocation plan for the above project, as requested in the enclosed letter, using highway stationing whenever possible. Attach extra sheets if needed.

Lumen does not anticipate conflicts with the proposed improvements under WisDOT Project 6526-00-00 and our existing facilities. We have one fiber optic cable that runs along the North side of STH 125, approximately 100 ft north of the Westbound centerline. Lumen has provided the DOT with a survey file of our exact location and depth along the north. Therefore, we do not anticipate any conflicts with the proposed slab.

We recommend that best practices and DIGGER procedures be followed to protect cables in place prior to performing any excavation work. If locates vary from those shown, please reach out to Lumen. This project is being tracked as P-155370.

- Conflicting utility facilities will need to be relocated prior to construction. If this is not feasible, provide an explanation and an indication of what work will require coordination with the highway contractor during construction.

N/A

- Anticipated Start Date

N/A

- Estimated construction time required (In working days)

N/A

- List the approvals required and the expected time schedule to obtain those approvals.

N/A

- Include a list of the real estate parcels that the Wisconsin Department of Transportation (DOT) must have acquired to enable your company to complete the necessary facility installations and relocations prior to construction.

N/A

- Review the enclosed plans for the above project. Are your facilities correct as shown? If not, list the errors. In some cases, it may be easier to return a marked up copy of the plan. **It is very important that your facilities are shown correctly because all construction field personnel will use this information. Uncorrected location errors could create construction delays or damage to utility facilities.**

Yes. A DWG file has also been provided to the DOT, following our surveyed findings. This includes the location and depth of our existing fiber optic cable.

- Is this work dependent on work by other utilities? If so, which other utilities, and what time schedule has been coordinated with them?

N/A

- Please provide the name, address, and telephone number of the field contact person for this project, so that we may place this information on the highway plan

Name	
Brahim Gaddour	
Address	
3235 Intertech Dr. Suite 600	
City, State, ZIP Code	
Brookfield, WI 53045	
Area Code - Telephone Number	Area Code - Telephone Number (Mobile)
(414) 908-1027	(414) 704-1026
E-mail Address	
Brahim.gaddour@lumen.com	

10. List any other relevant information that may impact the ultimate goal of preventing construction delay due to uncertain scheduling of utility facility relocations.

N/A

11.

Yes No

Do you have any facilities that are no longer in use but have been left in place in the project area? If "Yes", approximately where are the facilities located and what type and size of facility is involved?

Does the line have any remaining product?

Does the line have any asbestos wrap or any other hazardous materials associated with it?

Does any part of the line conflict directly with the proposed highway project? If so, what arrangements have been made to remove those portions? This should be mentioned as part of your work plan in question number 1 on this form.

Is there any reason the highway contractor cannot remove portions of the line left in place?

If you answered "Yes" to any of the questions above, please attach additional pages.

Preparer Area Code – Telephone #, Ext. (708) 415-0568	Preparer E-Mail Address evizcaino@hbkengeering.com	
	<i>Edward Vizcaino</i>	02/08/2022
	(Name of Person Who Prepared this Worksheet) (If completed electronically, Brush Script Font)	(Date)

NOTE: DOT will be sending to you a Trans 220 Work Plan Approval letter and a Start Work Notice after we complete the review of your Work Plan.

UTILITY WORKSHEET

APPROVED

Wisconsin Department of Transportation

DT2236 07/2016 s.84.063 Wis. Stats.

Utility Company Name We Energies Gas	PLEASE RETURN THIS WORKSHEET BY 2/4/2022
Project Description – Include Project ID, Title, Subtitle, Highway, County Project: I.D. 6526-00-71 Project Location: College Ave/STH 125 (WI-41–Bluemound Dr) Town of Grand Chute County: Outagamie	RETURN TO Becky Reese Wisconsin Department of Transportation Northeast Region Attention: Becky Reese Utility Coordination Engineer Becky.Reese@dot.wi.gov

- Describe your proposed relocation plan for the above project, as requested in the enclosed letter, using highway stationing whenever possible. Attach extra sheets if needed.

We Energies – Gas relocation plan listed below is based on project plans date 12-13-2022. Plans reviewed under WR4682022.

We Energies has no relocations and/or adjustments for this project.

Contact 1-800-261-5325 for gas emergencies, to identify if gas facilities are live, and gas valve box adjustments.

- Conflicting utility facilities will need to be relocated prior to construction. If this is not feasible, provide an explanation and an indication of what work will require coordination with the highway contractor during construction.

N/A

3.	Anticipated Start Date: N/A
4.	Estimated construction time required (In working days): N/A

- List the approvals required and the expected time schedule to obtain those approvals.

N/A

- Include a list of the real estate parcels that the Wisconsin Department of Transportation (DOT) must have acquired to enable your company to complete the necessary facility installations and relocations prior to construction.

N/A

- Review the enclosed plans for the above project. Are your facilities correct as shown? If not, list the errors. In some cases, it may be easier to return a marked up copy of the plan. **It is very important that your facilities are shown correctly because all construction field personnel will use this information. Uncorrected location errors could create construction delays or damage to utility facilities.**

Utility facilities that are missing and/or not shown correctly are described per the attached drawings. Highway stationing has been used where possible to locate new facilities.

The attached drawing shows We Energies gas facilities at the intersection of Kools St and Spencer St which were not shown on plans.

- Is this work dependent on work by other utilities? If so, which other utilities, and what time schedule has been coordinated with them?

N/A

9. Please provide the name, address, and telephone number of the field contact person for this project, so that we may place this information on the highway plan.

Name Jesus Victoria	
Address 800 S Lynndale Dr	
City, State, ZIP Code Appleton, WI 54914	
Area Code - Telephone Number 920-380-3314	Area Code - Telephone Number (Mobile) 920-470-3812

10. List any other relevant information that may impact the ultimate goal of preventing construction delay due to uncertain scheduling of utility facility relocations.

N/A

11. Yes No

- Do you have any facilities that are no longer in use but have been left in place in the project area? If "Yes", approximately where are the facilities located and what type and size of facility is involved? _____
- Does the line have any remaining product?
- Does the line have any asbestos wrap or any other hazardous materials associated with it?
- Does any part of the line conflict directly with the proposed highway project? If so, what arrangements have been made to remove those portions? This should be mentioned as part of your work plan in question number 1 on this form.
- Is there any reason the highway contractor cannot remove portions of the line left in place?

If you answer "Yes" to any of the questions above, please provide us with additional information. Attach additional pages if necessary.

It is imperative that the highway contractor contact We Energies before removing any gas facilities or electrical underground cables, to verify that they have been discontinued and carry no natural gas or electrical current. The contractor must not assume that unmarked facilities have been discontinued. At no time is it acceptable to push, pull, cut or drill an unmarked facility without explicit consent from We Energies. Contractor must call the We Energies 24 hour Dispatch lines to arrange for this verification.

We Energies Electric Dispatch #1-800-662-4797 We Energies
Gas Dispatch #1-800-261-5325

920-380-3314

(Area Code - Telephone #, Ext. - Preparer)

Jesus Victoria

(Name of Person Who Prepared this Worksheet)
(If completed electronically, Brush Script Font)

01/31/2022

(Date)

NOTE:

DOT will be sending to you a Trans 220 Work Plan Approval letter and a Start Work Notice after we complete the review of your Work Plan.

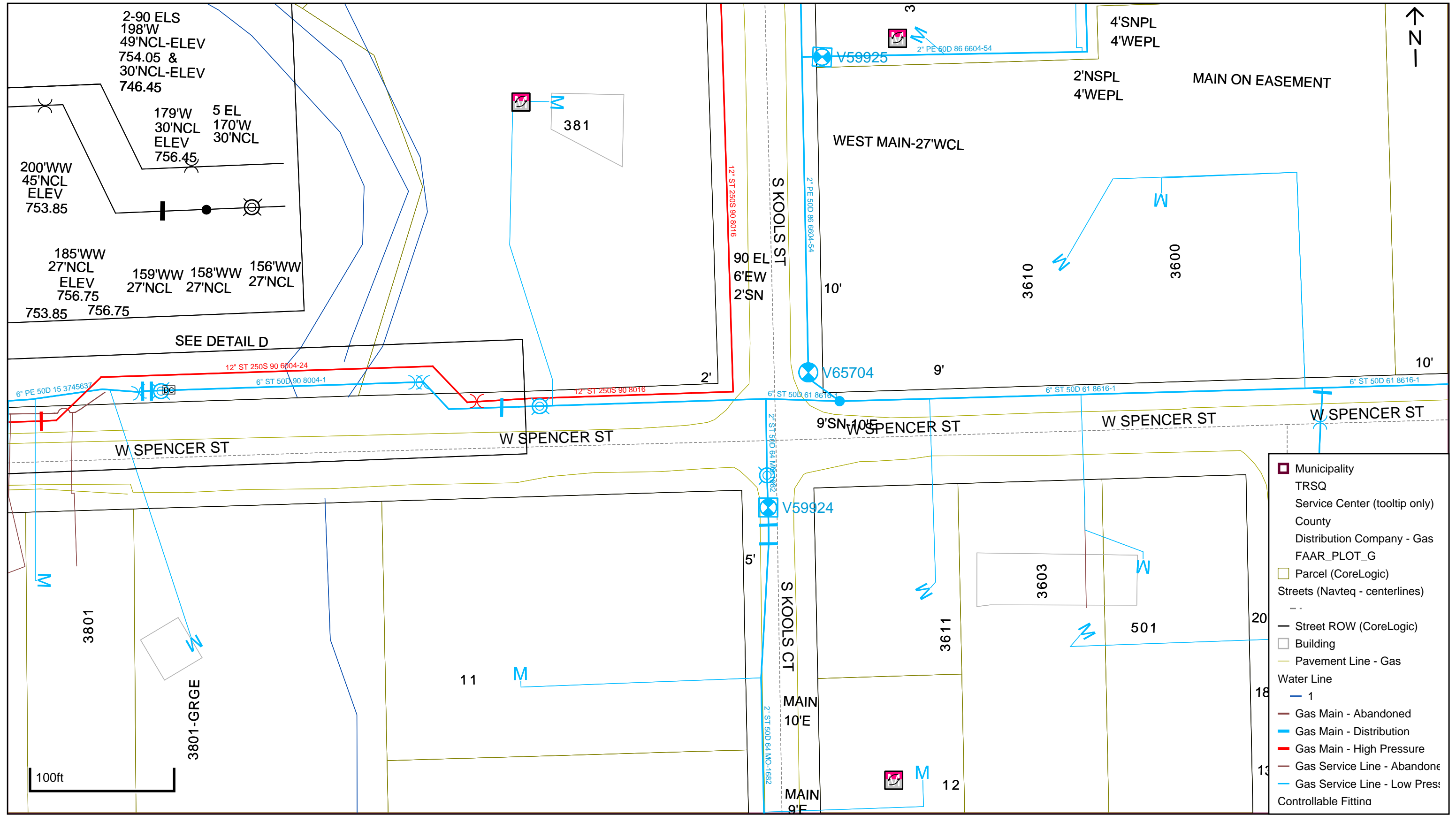


EXHIBIT 6-E UTILITY COORDINATION TASK LIST

**NORTHEAST REGION
CUSTOMIZED UTILITY COORDINATION TASK LIST**

*Tasks with Target Date of "If needed" are not anticipated to be required for the Project.
"Surveyor" and "Plat P" are responsibilities of WisDOT's surveyor and plat preparer for the Project.*

Target Dates for plat-related tasks are for Utility Coordination only; other WisDOT sections may have earlier target date requirements for plat completion.

All tasks will be done in accordance with the *WisDOT Guide to Utility Coordination* unless otherwise noted.

Project Description – Include Design Project ID, Title, Limits, Highway, County			
6526-00-00 Town of Grand Chute, College Avenue IH 41 – Bluemound Drive STH 125 Outagamie County			
Construction ID		E/PS&E date	LET date
6526-00-71		8/1/2023	11/14/2023
WisDOT Project Manager (PM)		Telephone number	Email address
Jesse Hansen		920-992-5630	Jesse.Hansen@dot.wi.gov
Design-Builder Name (D/B Firm)	Contact	Telephone number	Email address
WisDOT Utility Coordinator (UC)			
Becky Reese			

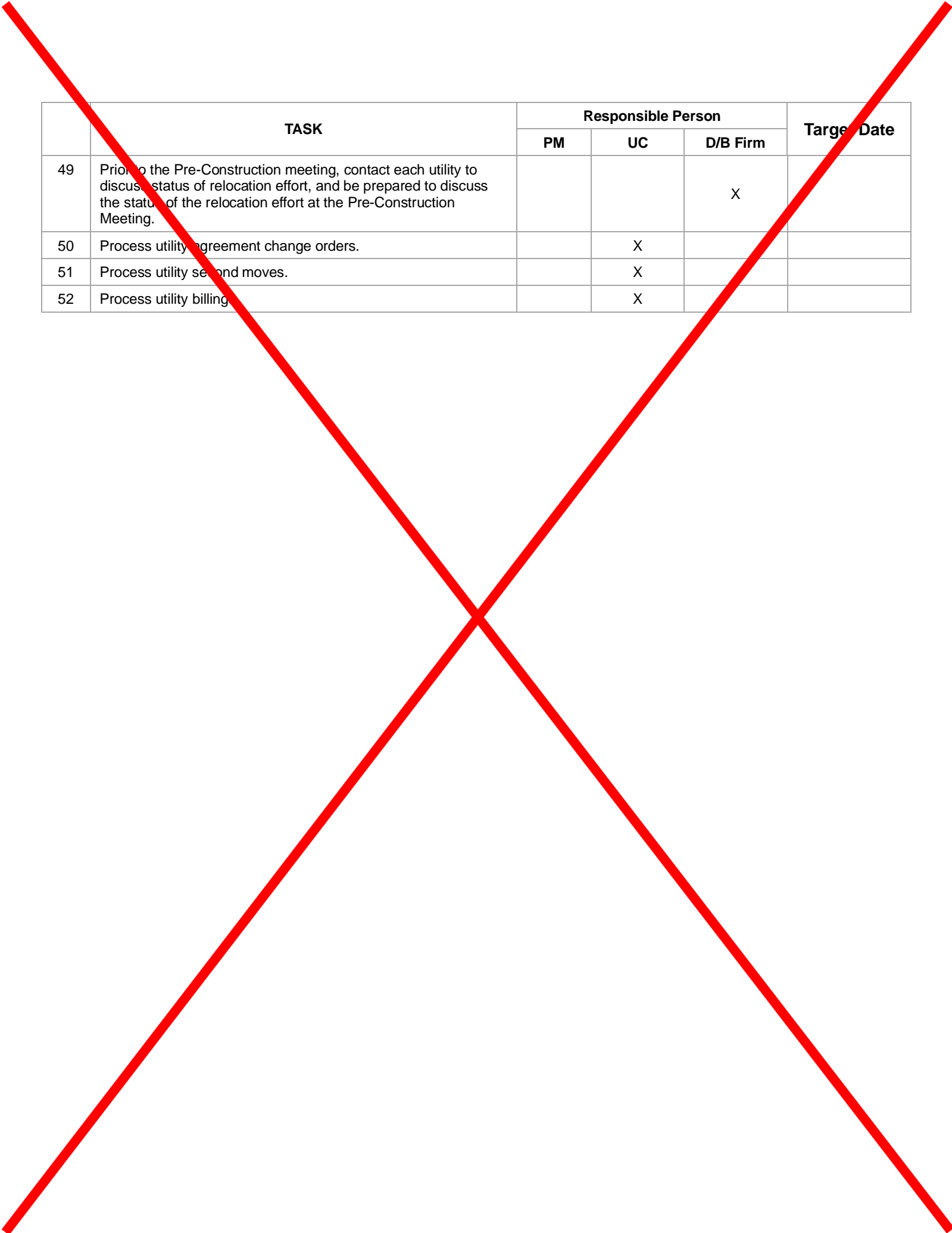
This is a Trans 220 project This is NOT a Trans 220 project (i.e., connecting highway)

	TASK	Responsible Person			Target Date
		PM	UC	D/B Firm	
1	Provide Concept Definition Report (CDR) and copies of any subsequent revisions to region utility coordinator.	X			DONE
2	Create list of known utilities in the project area (UIN).		X		DONE
3	Verify all utility facilities located within the right-of-way of the proposed improvement, according to Trans. 220.04(1) and <i>FDM Procedure 18-10-10</i> .		X		DONE
4	Participate in project kick-off meeting.	X	X	X	If needed
5	Monthly: Send copies of all correspondence with utilities and utility-related documents to the PDS-Project Manager (and/or region utility coordinator). <i>FDM Procedure 18-1-15</i> Note: update TUMS.			X	
6	Enter utility milestone dates in TUMS.			X	
7	Prepare and send project notification (DT1077), along with cover letter and exhibits, to all utilities with a potential for facilities in the project area. <i>Trans. 220.04; FDM Procedure 18-10-10.</i> Note: update TUMS.		X		DONE
8	Obtain system maps from utilities. Provide copies of new system maps to the region utility coordinator and Design Builder. Compare the system maps with the highway plan information to confirm that all utility facilities are shown properly. <i>Trans. 220.05(1) FDM Procedure 18-10-10</i>		X		DONE
9	Coordinate field locates of all utility facilities within project area. <i>FDM Procedure 18-10-15</i> <input type="checkbox"/> Remove manhole covers. Determine flow line elevations and pipe sizes. <input type="checkbox"/> Expose existing utility facilities and obtain elevations (pothole) at the following locations. Note: Coordinate this with the utility facility owner.	Surveyor			DONE
10	Show existing utility facilities on plat, plans, and cross-sections. Note: plot the horizontal locations of all underground and overhead utility facilities on mainline and side road cross sections.			X	
11	Provide 30% plan to region utility coordinator for review prior to 30% Plan Review Meeting.	X			DONE
	Determine titlework requirements for TLE Acquisition Maps		X		DONE
12	Invite utilities to all Public Information Meetings.			X	
13	Provide information of hazardous material sites to the region utility coordinator, as it is associated with this Project. With this information clearly state what hazardous material has been found, where it has been located, other potential sites, who will be responsible for the removal, handling of the removal, storage of material that has been removed, and the cost associated with remediation of the hazardous material on this Project.	X			DONE
14	Provide information of environmental conditions to the region utility coordinator, as associated with this Project. This includes wetlands, bedrock, historical and archaeological sites, endangered species, underground storage tanks, etc.	X			DONE

	TASK	Responsible Person			Target Date
		PM	UC	D/B Firm	
	Provide Utility Easement Exhibit <i>FDM Procedure Reference 12-1 General, 5.2 Easements</i>	X			DONE
	Review utility easements and determine if affected by acquisition		X		DONE
	Review existing plats for previous conveyances		X		DONE
	Provide tax IDs for acquisition areas		X		DONE
15	Provide a preliminary plat to the region utility coordinator for review after all existing utility information, including compensable and non-compensable utility facilities and easements have been identified.	X			DONE
	Provide utility facility owner names for plat		X		DONE
	Review utility prescriptive rights		X		DONE
	Determine compensable utilities		X		DONE
	Determine if service is compensable		X		DONE
	Verify if utilities on RR by license or easement		X		DONE
	Determine if any long-term leases create compensability		X		DONE
	Review existing PLE/LHE on plats for necessary UIDs		X		DONE
16	Provide a copy of the approved DSR to the region utility coordinator.				
17	Provide a final recorded plat to the region utility coordinator including compensable and non-compensable utility facilities and easements.	X			DONE
18	Prepare DT1078 plans, plats, and cross-sections, which are all complete enough for use by utility companies in evaluating potential conflicts and developing a relocation design. Depending on utility preference, these can be in paper or electronic format (.dwg files). Provide to region utility coordinator.				DONE
19	Provide DT1078 plans, plats, and cross-sections, which identify all "groundbreaking activities," to the region utility coordinator for review prior to 60% Plan Review Meeting.			(X if new utilities discovered)	DONE
20	Identify potential utility conflicts; if done by consultant, provide copy to region utility coordinator. <i>FDM Procedure 18-10-20</i>			(X if new utilities discovered)	DONE
21	Hold utility coordination meeting before DT1078 packages are submitted to utility companies.			(X if new utilities discovered)	DONE
22	NO PLAT: Prepare and submit Project Plan Transmittal (DT1078) package, along with all DT1078 plans and related exhibits, to each utility within the project area. Include cover letter, potential utility conflict list, utility contact list, and Utility Worksheet (DT2236), according to <i>Trans. 220.05; FDM Procedure 18-10-30. Note: update TUMS.</i>				N/A

	TASK	Responsible Person			Target Date
		PM	UC	D/B Firm	
23	PLAN Prepare and submit Project Plan Transmittal (DT1078) package, along with all DT1078 plans, recorded plat, and related exhibits, to each utility within the project area. Include cover letter, potential utility conflict list, utility contact list, Utility Worksheet (DT2236), Buy America (DT2249), utility agreements, waivers, and release of rights. According to Trans. 220.05, <i>FDM Procedure 18-10-30 and 18-15-15</i> . Note: update TUMS.			(X if new utilities discovered)	DONE
24	Provide to the region utility coordinator all plan changes from previous utility plans submittals, as required. <i>Trans. 220.05(12); FDM Procedure 18-10-45</i> . Note: repeat task 22 and/or task 23 as described above, if necessary.			X	ASAP
25	Hold utility coordination meeting after the DT1078 packets have been submitted to utilities, but before the Utility Work Sheets (DT2236) are due. <i>Trans. 220.05(04); FDM Procedure 18-10-35 and 18-20-5</i>			(X if new utilities discovered)	If needed
26	Send notice to utilities of having received their Utility Worksheet (DT2236), utility relocation cost estimate, release of rights, waiver letter, and utility agreement. An email notice is acceptable. (cc: the region utility coordinator.)			(X if new utilities discovered)	
27	Review utility work plans as they are received, include review by the region utility coordinator. Recommend corrective action if necessary. <i>FDM Procedure 18-10-35</i>		(X if new utilities discovered)	(X if new utilities discovered)	
28	Resolve with each utility any conflicts among the various utility work plans. <i>Trans. 220.05(4)</i>			(X if new utilities discovered)	
29	Review utility relocation cost estimate, agreements/waiver, and release of rights, as they are received <i>FDM Procedure 18-15-20 and 18-20-1</i>. Note: Only the Utility Coordinator is to negotiate utility compensation.				N/A
30	Submit the utility relocation cost estimates, agreements/waiver, and release of rights, to the region utility coordinator as they are received. Note: Only the Utility Coordinator is to negotiate utility compensation.				N/A
31	Submit utility relocation cost estimates, original agreements, and recorded release of rights to Central Office for review and approval.				N/A
32	Record releases of rights.				N/A
33	Consult with and recommend work plan approval from region utility coordinator. <i>FDM Procedure 18-10-35; Trans. 220.05(7)</i>			(X if new utilities discovered)	
34	Submit work plan approval to utility. <i>Trans. 220.05(7)</i>		(X if new utilities discovered)		
35	Provide monthly updates to the region project manager and the utility coordinator regarding land acquisition, including early acquisition, as it is associated with this project.			X	
36	Provide Pre-PS&E plans and plat to region utility coordinator for review prior to Pre-PS&E Plan Review Meeting.			X	2 months prior to PS&E

	TASK	Responsible Person			Target Date
		PM	UC	D/B Firm	
37	Review Utility Permit (DT1553) applications for compatibility with PS&E plans and resolve corrective action if necessary.		(X, Region Utility Eng, if new utilities discovered)		
38	Approve Utility Permit (DT1553) applications.		(X, Region Utility Eng, if new utilities discovered)		
39	Conduct field meetings with utilities, as required.			X	If needed
40	Write the utility section of the highway contract special provisions, based upon approved work plans provided by the utility owners.		X	X	
41	Submit the utility section of the highway contract special provisions to the region utility coordinator for review and approval.		X	X	
42	Update utility notes and utility contacts on the General Notes sheet based upon information provided by utilities from work plans.			(X if new utilities discovered)	
43	Prepare Utility Status Report (DT1080), obtain digital signature from region utility coordinator prior to PS&E e-submittal. <i>FDM Procedure 18-10-40.</i>		X		1 month prior to E/PSE
44	Provide field staking for utilities, as needed. Right-of-way staking is needed only in the areas where utility facilities will be placed, not the entire project. Estimate this will be needed 1 time.			X	
45	Send final plan set and copy of the utility portion of the highway contract special provisions to each utility with facilities in the project area just prior to or soon after the final PS&E. <i>FDM Procedure 18-10-45</i>			X Link to FTP	
46	Conduct a utility coordination meeting after all work plans have been approved but before utility relocations begin. <i>Chapter Trans. 220.05(04); FDM Procedure 18-10-35 and 18-10-45</i>			X	If needed
47	Monitor and report to the region utility coordinator regarding the status of all compensable and non-compensable utility relocations. <u>X</u> Including all utility relocations that will be started and DONE prior to construction (i.e. Pre-Construction Meeting). <u>X</u> Including all utility relocations that will be started prior to construction and DONE during construction. _____ Including all utility relocations started and DONE during construction.			X	
48	Conduct a Pre-Construction Utility Meeting with the construction contractor and all affected utilities to discuss the status of utility relocations and utility coordination necessary during construction.			X	If needed



	TASK	Responsible Person			Target Date
		PM	UC	D/B Firm	
49	Prior to the Pre-Construction meeting, contact each utility to discuss status of relocation effort, and be prepared to discuss the status of the relocation effort at the Pre-Construction Meeting.			X	
50	Process utility agreement change orders.		X		
51	Process utility second moves.		X		
52	Process utility billing		X		

NORTHEAST REGION CUSTOMIZED UTILITY COORDINATION TASK LIST

Tasks with Target Date of “If needed” are not anticipated to be required for the Project. “Surveyor” and “Plat P” are responsibilities of WisDOT’s surveyor and plat preparer for the Project.

Target Dates for plat-related tasks are for Utility Coordination only; other WisDOT sections may have earlier target date requirements for plat completion.

All tasks will be done in accordance with the *WisDOT Guide to Utility Coordination* unless otherwise noted.

Project Description – Include Design Project ID, Title, Limits, Highway, County			
6526-00-00 Town of Grand Chute, College Avenue IH 41 – Bluemound Drive STH 125 Outagamie County			
Construction ID		E/PS&E date	LET date
6526-00-71		8/1/2023	11/14/2023
WisDOT Project Manager (PM)		Telephone number	Email address
Jesse Hansen		920-492-5630	Jesse.Hansen@dot.wi.gov
Design-Builder Name (D/B Firm)	Contact	Telephonenumber	Email address
WisDOT Utility Coordinator (UC)			
Becky Reese			

This is a Trans 220 project This is NOT a Trans 220 project (i.e., connecting highway)

	TASK	Responsible Person			Target Date
		PM	UC	D/B Firm	
1	Provide Concept Definition Report (CDR) and copies of any subsequent revisions to region utility coordinator.	X			DONE
2	Create list of known utilities in the project area (UIN).		X		DONE
3	Verify all utility facilities located within the right-of-way of the proposed improvement, according to Trans. 220.04(1) and <i>FDM Procedure 18-10-10</i> .		X		DONE
4	Participate in project kick-off meeting.	X	X	X	If needed
5	Monthly: Send copies of all correspondence with utilities and utility-related documents to the PDS-Project Manager (and/or region utility coordinator). <i>FDM Procedure 18-1-15</i> Note: update TUMS.			X	
6	Enter utility milestone dates in TUMS.		x		
7	Prepare and send project notification (DT1077), along with cover letter and exhibits, to all utilities with a potential for facilities in the project area. <i>Trans. 220.04; FDM Procedure 18-10-10.</i> Note: update TUMS.		X		DONE
8	Obtain system maps from utilities. Provide copies of new system maps to the region utility coordinator and Design-Builder. Compare the system maps with the highway plan information to confirm that all utility facilities are shown properly. Trans. 220.05(1) <i>FDM Procedure 18-10-10</i>		X		DONE
9	Coordinate field locates of all utility facilities within project area. <i>FDM Procedure 18-10-15</i> <input type="checkbox"/> Remove manhole covers. Determine flow line elevations and pipe sizes. <input type="checkbox"/> Expose existing utility facilities and obtain elevations (pothole) at the following locations. Note: Coordinate this with the utility facility owner.	Surveyor			DONE
10	Show existing utility facilities on plat, plans, and cross-sections. Note: plot the horizontal locations of all underground and overhead utility facilities on mainline and side road cross sections.			X	
11	Provide 30% plan to region utility coordinator for review prior to 30% Plan Review Meeting.	X			DONE
	Determine titlework requirements for TLE Acquisition Maps		X		DONE
12	Invite utilities to all Public Information Meetings.			X	
13	Provide information of hazardous material sites to the region utility coordinator, as it is associated with this Project. With this information clearly state what hazardous material has been found, where it has been located, other potential sites, who will be responsible for the removal, handling of the removal, storage of material that has been removed, and the cost associated with remediation of the hazardous material on this Project.	X			DONE
14	Provide information of environmental conditions to the region utility coordinator, as associated with this Project. This includes wetlands, bedrock, historical and archaeological sites, endangered species, underground storage tanks, etc.	X			DONE

	TASK	Responsible Person			Target Date
		PM	UC	D/B Firm	
	Provide Utility Easement Exhibit <i>FDM Procedure Reference 12-1 General, 5.2 Easements</i>	X			DONE
	Review utility easements and determine if affected by acquisition		X		DONE
	Review existing plats for previous conveyances		X		DONE
	Provide tax IDs for acquisition areas		X		DONE
15	Provide a preliminary plat to the region utility coordinator for review after all existing utility information, including compensable and non-compensable utility facilities and easements have been identified.	X			DONE
	Provide utility facility owner names for plat		X		DONE
	Review utility prescriptive rights		X		DONE
	Determine compensable utilities		X		DONE
	Determine if service is compensable		X		DONE
	Verify if utilities on RR by license or easement		X		DONE
	Determine if any long-term leases create compensability		X		DONE
	Review existing PLE/LHE on plats for necessary UTLs		X		DONE
16	Provide a copy of the approved DSR to the region utility coordinator.				
17	Provide a final recorded plat to the region utility coordinator, including compensable and non-compensable utility facilities and easements.	X			DONE
18	Prepare DT1078 plans, plats, and cross-sections, which are all complete enough for use by utility companies in evaluating potential conflicts and developing a relocation design. Depending on utility preference, these can be in paper or electronic format (.dwg files). Provide to region utility coordinator.	X			DONE
19	Provide DT1078 plans, plats, and cross-sections, which identify all "groundbreaking activities," to the region utility coordinator for review prior to 60% Plan Review Meeting.		X (DONE)	(X if additional utility conflicts discovered)	
20	Identify potential utility conflicts. If done by consultant, provide copy to region utility coordinator. <i>FDM Procedure 18-10-20</i>		X (DONE)	(X if additional utility conflicts discovered)	
21	Hold utility coordination meeting before DT1078 packages are submitted to utility companies.		X (DONE)	(X if additional utility conflicts discovered)	

	TASK	Responsible Person			Target Date
		PM	UC	D/B Firm	
22	NO PLAT: Prepare and submit Project Plan Transmittal (DT1078) package, along with all DT1078 plans and related exhibits, to each utility within the project area. Include cover letter, potential utility conflict list, utility contact list, and Utility Worksheet (DT2236), according to <i>Trans. 220.05; FDM Procedure 18-10-30.</i> Note: update TUMS.				N/A
23	PLAT: Prepare and submit Project Plan Transmittal (DT1078) package, along with all DT1078 plans, recorded plat, and related exhibits, to each utility within the project area. Include cover letter, potential utility conflict list, utility contact list, Utility Worksheet (DT2236), Buy America (DT2249), utility agreements, waivers, and release of rights. According to <i>Trans. 220.05, FDM Procedure 18-10-30 and 18-15-15.</i> Note: update TUMS.			(X if additional utility conflicts discovered)	
24	Provide to the region utility coordinator all plan changes from previous utility plans submittals, as required. <i>Trans. 220.05(12); FDM Procedure 18-10-45.</i> Note: repeat task 22 and/or task 23 as described above, if necessary.			X	ASAP
25	Hold utility coordination meetings after the DT1078 packets have been submitted to utilities, but before the Utility Work Sheets (DT2236) are due. <i>Trans. 220.05(04); FDM Procedure 18-10-35 and 18-20-5</i>			(X if additional utility conflicts discovered)	If needed
26	Send notice to utilities of having received their Utility Worksheet (DT2236), utility relocation cost estimate, release of rights, waiver letter, and utility agreement. An email notice is acceptable. (cc: the region utility coordinator.)			(X if additional utility conflicts discovered)	
27	Review utility work plans as they are received, include review by the region utility coordinator. Recommend corrective action if necessary. <i>FDM Procedure 18-10-35</i>		(X if additional utility conflicts discovered)	(X if additional utility conflicts discovered)	
28	Resolve with each utility any conflicts among the various utility work plans. <i>Trans. 220.05(4)</i>			(X if additional utility conflicts discovered)	
29	Review utility relocation cost estimate, agreements/waiver, and release of rights, as they are received. <i>FDM Procedure 18-15-20 and 18-20-1.</i> Note: Only the Utility Coordinator is to negotiate utility compensation.		X		
30	Submit the utility relocation cost estimates, agreements/waiver, and release of rights, to the region utility coordinator as they are received. Note: Only the Utility Coordinator is to negotiate utility compensation.		X		
31	Submit utility relocation cost estimates, original agreements, and recorded release of rights to Central Office for review and approval.		X		

	TASK	Responsible Person			Target Date
		PM	UC	D/B Firm	
32	Record releases of right.		X		
33	Consult with and recommend work plan approval from region utility coordinator. <i>FDM Procedure 18-10-35; Trans. 220.05(7)</i>			(X if additional utility conflicts discovered)	
34	Submit work plan approval to utility. <i>Trans. 220.05(7)</i>		X	X (if additional utility conflicts discovered)	6/10/22 (UC)
35	Provide monthly updates to the region project manager and the utility coordinator regarding land acquisition, including early acquisition, as it is associated with this project.			X	
36	Provide RFC plans and plat to region utility coordinator for review prior to RFC Plan Review Meeting.			X	
37	Review Utility Permit (DT1553) applications for compatibility with RFC plans and resolve corrective action if necessary.		(X		
38	Approve Utility Permit (DT1553) applications.		(X		
39	Conduct field meetings with utilities, as required.			X	If needed
40	Write the utility section of the highway contract special provisions, based upon approved work plans provided by the utility owners.		X	X(if additional utility conflicts discovered)	
41	Submit the utility section of the highway contract special provisions to the region utility coordinator for review and approval.		X	X(if additional utility conflicts discovered)	
42	Update utility notes and utility contacts on the General Notes sheet based upon information provided by utilities from work plans.			(X (if additional utility conflicts discovered)	
43	Prepare Utility Status Report (DT1080), obtain digital signature from region utility coordinator prior to RFC plan submittal		X		
44	Provide field staking for utilities, as needed. Right-of-way staking is needed only in the areas where utility facilities will be placed, not the entire project. Estimate this will be needed 1 time.			X	
45	Send final plan set and copy of the utility portion of the highway contract special provisions to each utility with facilities in the project area just prior to or soon after the RFC plan submittal			X ?	
46	Conduct a utility coordination meeting after all work plans have been approved but before utility relocations begin. <i>Chapter Trans. 220.05(04); FDM Procedure 18-10-35 and 18-10-45</i>			X	If needed

	TASK	Responsible Person			Target Date
		PM	UC	D/B Firm	
47	<p>Monitor and report to the region utility coordinator regarding the status of all compensable and non-compensable utility relocations.</p> <p><input checked="" type="checkbox"/> Including all utility relocations that will be started and DONE prior to construction (i.e., Pre-Construction Meeting).</p> <p><input checked="" type="checkbox"/> Including all utility relocations that will be started prior to construction and DONE during construction.</p> <p><input type="checkbox"/> Including all utility relocations started and DONE during construction.</p>			X	
48	Conduct a Pre-Construction Utility Meeting with the construction contractor and all affected utilities to discuss the status of utility relocations and utility coordination necessary during construction.			X	
49	Prior to the Pre-Construction meeting, contact each utility to discuss status of relocation effort, and be prepared to discuss the status of the relocation effort at the Pre-Construction Meeting.			X	
50	Process utility agreement change orders.		X		
51	Process utility second moves.		X		
52	Process utility billings.		X		

Location	Detailed Description	Pavement Layer Description	Minimum Thickness (inches)
Spencer Street	1 1/4 Inch	Base Aggregate Dense	6 inches
	3 Inch	See Note 1.	12 inches
	See Note 2.	Subgrade Improvement	
Auxiliary/Turning Lanes	Match Mainline	Match Mainline	Match Mainline
Shoulders	Match Mainline	Match Mainline	Match Mainline

1. Conform Base Aggregate Dense 3-Inch and Base Aggregate Dense 1 1/4 Inch to FDM 14-5 and Standard Specification 305.

2. Place Geotextile, Type SAS on surface of subgrade construction and under 3 Inch Base Aggregate Dense. Overlap the existing and new geotextile at least 18 inches and conforming to Standard Specification 645.

10.2.3 Temporary HMA Pavement Design Requirements

Develop and submit to the Department for acceptance a technical memo detailing the pavement structure for any temporary pavements required for construction of the Project. Refer to the Department's FDM, Chapter 14 for report requirements.

10.2.4 Concrete Pavement Approach Slab Requirements

Structural approach slabs and concrete pavement approach slabs will be required at B-44-482. Use the concrete pavement section as shown in the Department's FDM standard detail drawing SDD 13B02-b.

10.2.5 Concrete Curb & Gutter

Design and construct Concrete Curb & Gutter, 30-Inch, Type DA at locations shown in Book 2, Section 11, Exhibit 11-A.

Furnish all materials for concrete curb & gutter conforming to the *Standard Specifications*.. Construct curb & gutter as shown in the Department's FDM SDD 8D01.

10.2.6 Concrete Sidewalk

Design and construct Concrete Sidewalk, 5-Inch at locations shown in Book 2, Section 11, Exhibit 11-A. Construct Sidewalk 5-Inch over 6 inches Base Aggregate Dense 1 ¼-Inch.

10.2.7 Local Roadways and Standards

Design and construct widened pavement on eastbound Spencer Street at Kools Street as shown in Book 2, Section 11, Exhibit 11-A. Construct HMA pavement and base on Spencer Street as shown in Table 10-2.

Remove existing HMA pavement on Kools Court to the extent necessary to accommodate intersection design of widened Spencer Street. Grade and shape existing base aggregate to designed profile and slope. Add Base Aggregate Dense, 1 ¼ Inch and add Base Aggregate Dense, 3 Inch. Construct new HMA pavement on Kools Court as follows:

gradation requirements in Standard Specification 210.2.2. For placement and compaction of the backfill, comply with Standard Specification 206.3.13.

10.3.2 Soils Materials/Testing Requirements

If additional major soil types (textural classes) are encountered during construction that were not identified in the site investigation report, take at least two representative samples of each additional major soil type (textural class) encountered. Retain, test, and compile data on samples. Refer to Section 8.3.

Perform laboratory soils tests of sufficient number and type to ascertain the nature, strength, conditions, stability, and consolidation characteristics of soil conditions existing at the Site that influence the proposed design and construction activities. At a minimum, perform the following laboratory tests: Atterberg limits, particle size (percent sand, silt, and clay), and Proctor density.

Compile all completed lab test data in an electronic document for submittal to the Department.

10.1.3 Pavement Section Drainage

Design drainage of new subsurface pavement layers by daylighting materials to in-slopes. If subsurface drainage is used, design and construct subsurface pavement section drainage compliant with the requirements of Section 12 (Drainage) and the following:

- Daylight the bottom of the drainage layer a minimum of 1 foot above the bottom of the ditch. Ensure that topsoil is excluded from the finished surface in these areas.

10.1.4 Concrete

10.3.2.1 Concrete Mix Design

Produce concrete mix designs following mix design procedures stated in Standard Specification 501 as required for the type of concrete used.

10.3.2.2 Concrete Construction and Staging

Construct concrete curb and gutter and sidewalks in accordance with applicable sections of the CMM section 400, Standard Specifications section 400, FDM Chapter 14, and SDDs.

10.1.5 HMA

Construct HMA pavements in accordance with applicable sections of the CMM section 400, Standard Specifications section 400, FDM Chapter 14, and SDDs.

10.3.2.3 HMA Mix Design

Produce HMA mix designs following mix design procedures stated in Standard Specification 450 as required to produce HMA pavements specified in **Error! Reference source not found.** [Table 10-1](#) and Table 10-2.

Table 11-1: Project-Specific Design Standards for Roadways

Design Standards	Roadway Name: STH 125
Federal Oversight Project	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Roadway Type	<input type="checkbox"/> IH <input type="checkbox"/> USH <input checked="" type="checkbox"/> STH <input type="checkbox"/> CTH <input type="checkbox"/> Local
Jurisdictional System	<input checked="" type="checkbox"/> State <input type="checkbox"/> County <input type="checkbox"/> Town <input type="checkbox"/> Municipal <input type="checkbox"/> Tribal
Highway Type	<input checked="" type="checkbox"/> Rural <input type="checkbox"/> Urban
Functional Classification	<input checked="" type="checkbox"/> Principal Arterial <input type="checkbox"/> Minor Arterial <input type="checkbox"/> Collector <input type="checkbox"/> Local
Corridors 2030	<input type="checkbox"/> Backbone <input type="checkbox"/> Connector <input checked="" type="checkbox"/> None
NHS Route	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Long Truck Route	<input type="checkbox"/> Federal <input type="checkbox"/> State <input checked="" type="checkbox"/> None
Access Control	<input type="checkbox"/> Tier 1 <input type="checkbox"/> Tier 2A <input type="checkbox"/> Tier 2B <input type="checkbox"/> Tier 3 <input checked="" type="checkbox"/> Tier 4
Bicycle/Pedestrian Plans	<input type="checkbox"/> Bicycle <input type="checkbox"/> Pedestrian <input checked="" type="checkbox"/> None
Terrain	<input checked="" type="checkbox"/> Level <input type="checkbox"/> Rolling
Design Criteria Application	<input type="checkbox"/> S-1 <input checked="" type="checkbox"/> S-2 <input type="checkbox"/> S-3
Improvement Strategy	Rehabilitation – Bridge Replacement
Design Class	<u>Urban 4A4</u>
Median type	Raised Median, width varies 9.5 feet to 28 feet
Lane Width	12 feet
Shoulder Width	3 to 10 feet (full width paved)
Design Vehicle	WB-62
AADT— (current year)	30,700 (2025)
AADT— (design year)	32,100 (2045)
Posted speed	35 MPH
Design speed	40 MPH
Special Features:	None

11.3.2 Design Criteria

11.3.2.1 Clear Zone

Establish a 18-foot typical clear zone width on each side of STH 125 within the Project limits.

Prior to submitting any roadway RFC packages, prepare a plan view that graphically displays proposed clear zone limits for that RFC package. Identify all hazards, both within the clear zone and in a 5-foot band outside each clear zone. A Roadside Hazard Analysis (RHA) will be completed in accordance with FDM 11-45-20. Hold an over-the-shoulder review with the Department, as described in Section 5 (Quality Management), and discuss whether actions are necessary to remove or protect any of the hazards. Upon completion of the process, update the RFC Documents as necessary.

11.3.2.2 Vertical Curves

Apply the minimum vertical curve length defined in Section 11-10-5.4.2 of the FDM to vertical curves on State Trunk Highways. The extent of the roadway construction required for the structure replacement shall be minimized and allow the smooth transition of the structure approaches to the existing pavement per the FDM.

11.3.2.3 Grades

The maximum grades for roadways are provided in FDM 11-10 (Attachment 5.3) and FDM 11--15 (Attachment 1.4).

11.3.2.4 Horizontal Alignment

The horizontal alignment for STH 125 shall be designed in accordance with FDM 11-10-5.

11.3.2.5 Intersections

The geometric layout of the roadway improvements at the intersection of Spencer Street and Kools Street shall be designed to avoid impacts to the existing box culvert located west of the intersection and to match back in before the existing driveway located east of the intersection in accordance with the FDM.

The geometric layout will undergo a review by the Department and is subject to their approval. See Book 2, Section 5.4.9.4.1 regarding review timeframes.

11.3.2.6 Slopes

Construct slopes 4:1 (H:V) or flatter within clear zone unless slopes are located behind guard rail or concrete barrier installations as listed in Section 11.4.2.7. No slopes steeper than 3:1 (H:V) are allowed outside the clear zone on this Project except slopes 0.5:1 (H:V) will be allowed in areas of rock cut. Round slopes on the Project so that they tie naturally into adjacent slopes or the existing ground line.

Design slopes to eliminate the need for traffic barrier, unless otherwise Approved by the Department or allowed in Section 11.4.2.7. Evaluate if any portion of a fill slope prior to the toe of slope is not recoverable, even beyond the clear zone, to determine if there is a hazard at the bottom of the slope, such as a deep pond or other hazards, which would require a traffic barrier.

Book 2, Section 8 (Geotechnical) describes how to transition from structures to slopes.

11.3.2.7 Roadside Design

All roadside design must follow FDM 11-45.

Construct standard MGS installations with MGSsteel thrie beam structure approaches and end terminals at the following locations:

- NE, NW, and SW corners of B-44-0482

11.3.2.8 Cross-Slope

- Cross-slopes will conform to FDM 11-15-1.

11.3.3 Reports

11.3.3.1 Design Justifications

Design all the elements associated with mainline highway and other roadways in accordance with the design criteria established in the Contract Documents. Develop a Design Justification in accordance with FDM 11-1-20 for any element that falls outside of design criteria for both controlling and non-controlling criteria. Controlling criteria on Department projects are established as per FDM 11-1-20.3.

There is no assurance that Design Justifications created by the Design-Builder will be Approved by the Department. If the Design-Builder's design creates Design Justifications, demonstrate on a case-by-case basis that substantial benefits to the Project and the public would result from the recommendation. Any justifications requested will be subject to Department approval prior to release of RFC Plans. Comply with the Design Justification process per FDM 11-1-20.

11.3.3.2 Alignment and Profile Design Package

Submit all alignments and profiles for acceptance as a design package. Include alignment plans, tabulations, profile sheets, and computer output. Obtain acceptance for the alignment and profile design package prior to submittal of any design packages that use those alignments and profiles.

11.3.3.3 Design Study Report

Develop and submit for review and approval by the Department a Design Study Report for the Project in accordance with FDM 11-4-10.

11.3.3.4 Borrow Site Plan

If borrow material is required for the Project, develop a Borrow Site Plan in accordance with Standard Specification 208 and submit to the Department for Approval.

11.4 Roadway Plan Submittals

Develop roadway plan submittals in accordance with the requirements of Book 2, Section 2. Submit in electronic format in accordance with FDM 15-5 for all submittal milestones listed below.

11.4.1 Base (30%) Roadway Plan

Base roadway plans shall be submitted for Department and FHWA Acceptance and shall in general, at a minimum, meet the requirements as stated in FDM 15-1-4. The removal and construction plans shall utilize field survey for the base mapping.

11.4.2 Preliminary (60%) Roadway Plan

Preliminary roadway plans shall be submitted for Department Acceptance and shall in general, at a minimum, meet the requirements as stated in FDM 15-1-4. The deliverables include the same sheets as the Base Plans, except that the level of detail shall be at approximately 60%. The removal and construction plans shall utilize field survey for the base mapping.

Submit cross-sections at a minimum of 50-foot intervals and include existing ground, the proposed surface of the roadway, the proposed side slopes, and plan grade elevations. Indicate vertical and horizontal scales used.

11.4.3 RFC (100%) Roadway Plan

RFC roadway plans shall be in general conformance with the requirements for Final Plans as stated in Chapter 15 of the FDM, as well as all other requirements for Released for Construction Documents in Book 2, Section [5.5.2.5](#).

11.5 Construction Requirements

11.5.1 General

Remove all existing pavement, curb and gutter, sidewalk, trails, steps, drainage facilities, soil, rock, and other obstructions within the Project limits necessary to construct the Project. Remove all other unused pavements and sidewalks, including temporary facilities, within the Project Site, and grade to match the adjacent grading. When removing such items, saw-cut pavement or sidewalk with neat lines at the removal terminations.

11.5.2 Construction Criteria

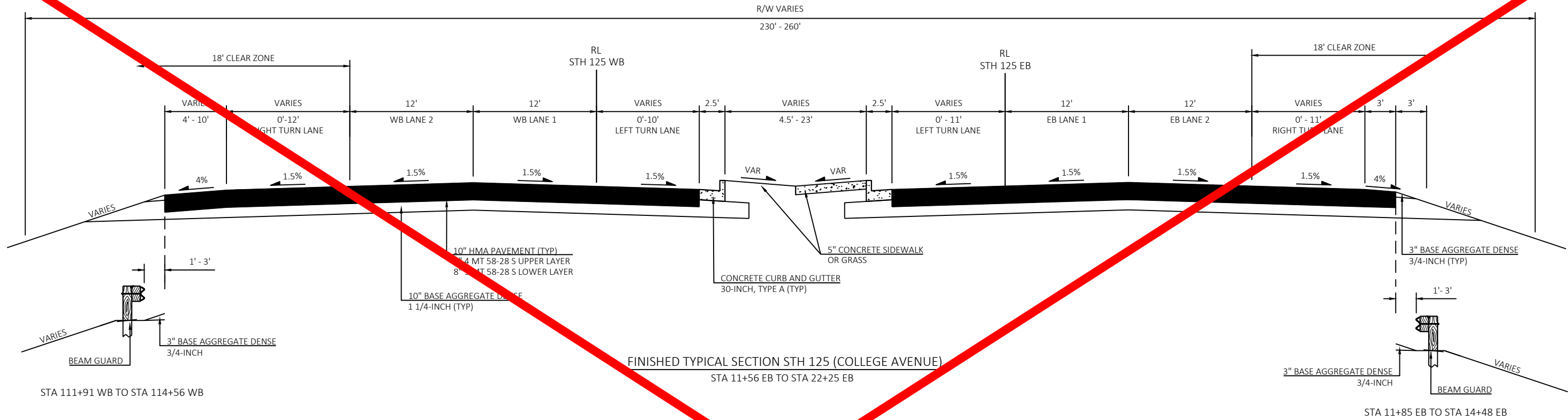
11.5.2.1 Removal of Miscellaneous Objects

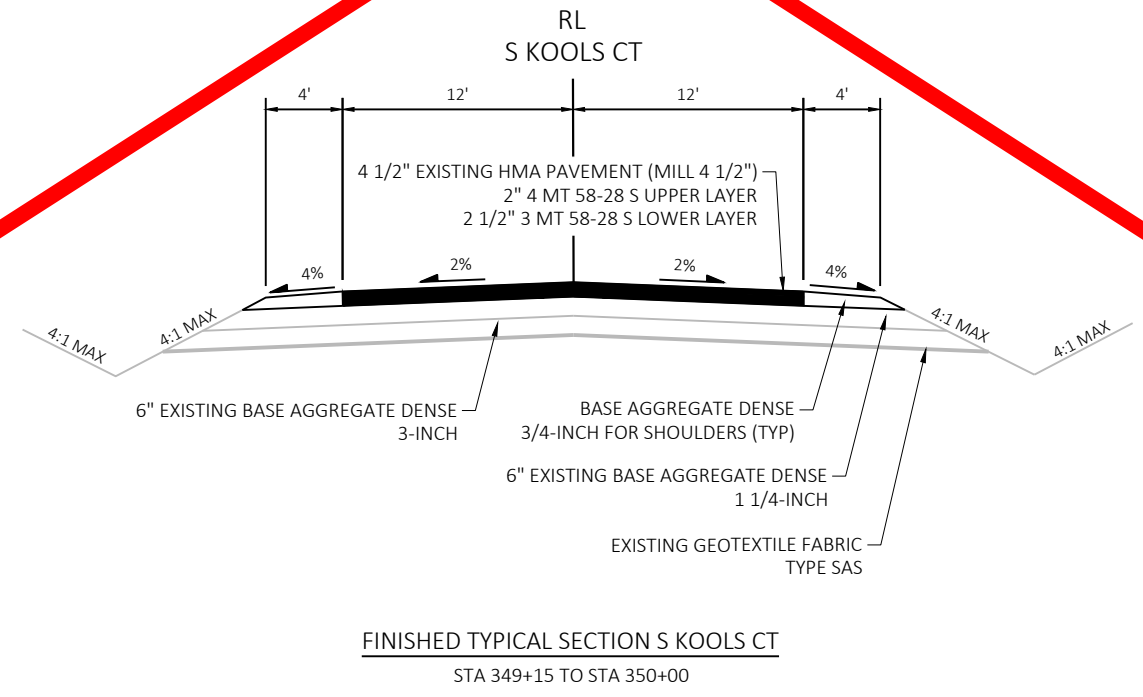
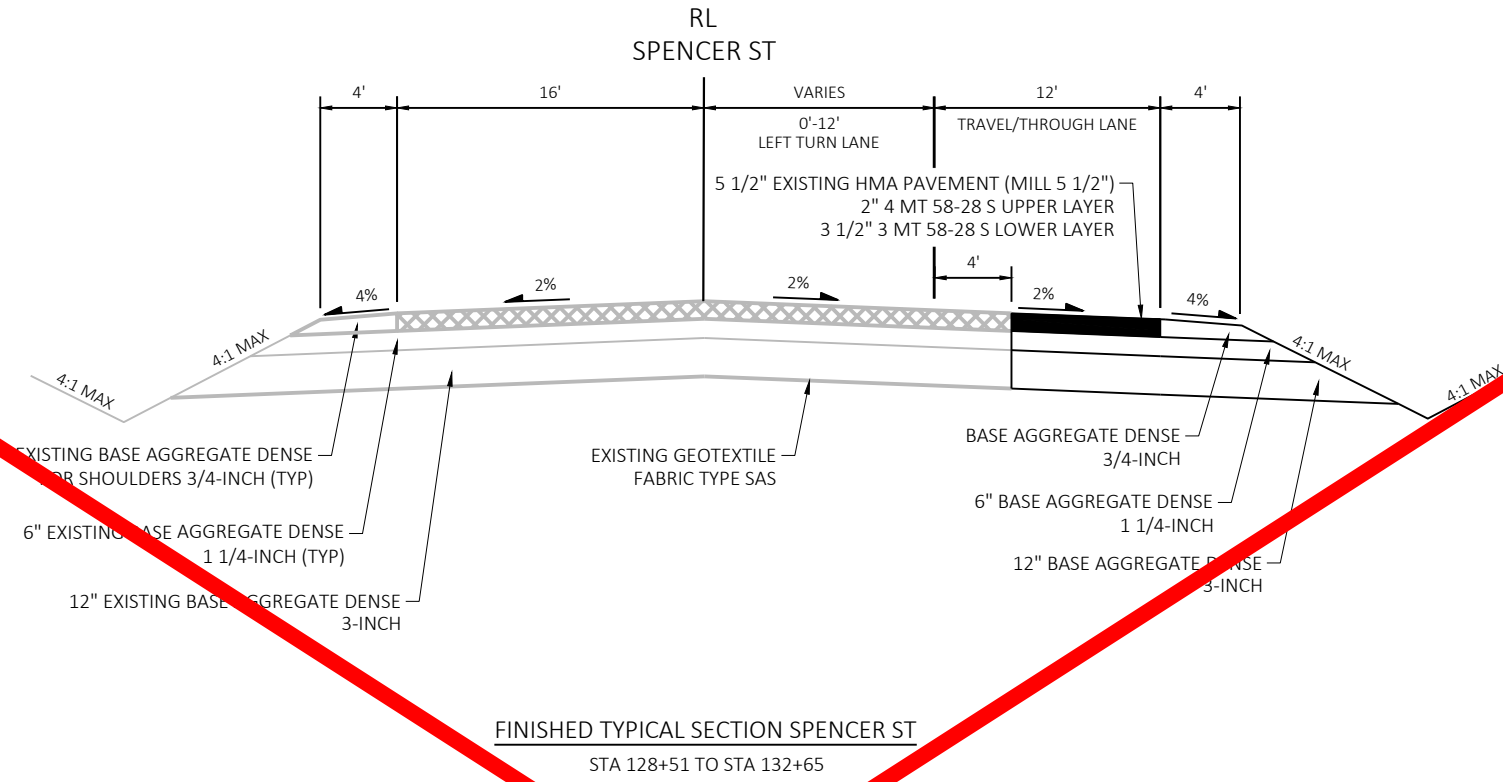
Remove and properly dispose of all objects encountered within the R/W that are not otherwise designated for removal, salvage, or reuse, such as abandoned automobiles, furniture, appliances, garbage, and other waste materials.

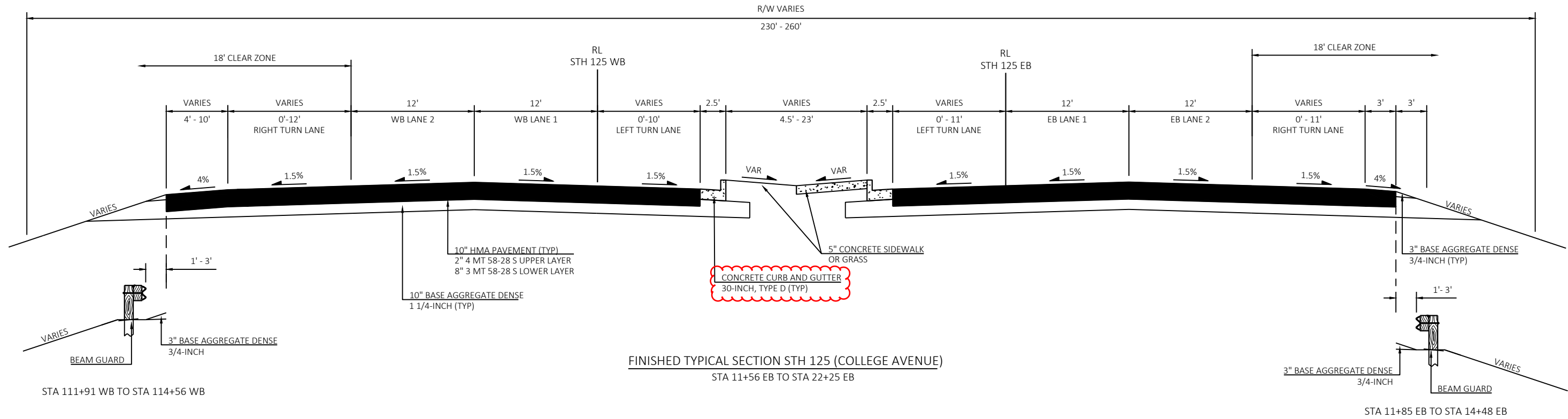
EXHIBIT 11-A TYPICAL FINISHED SECTIONS

2

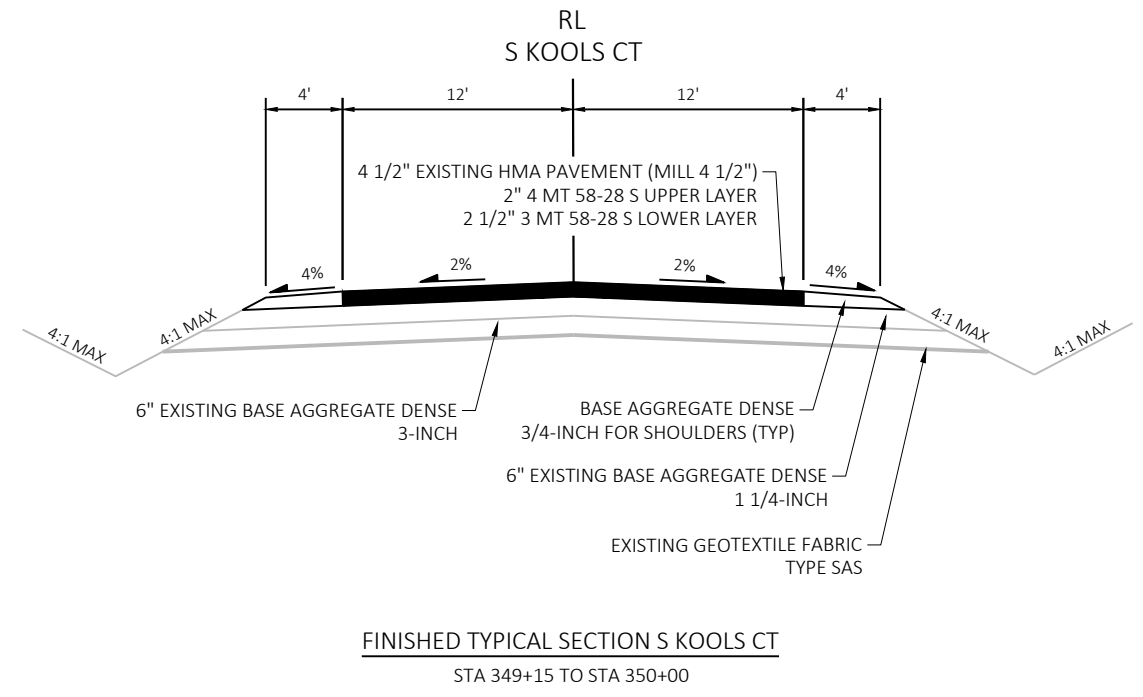
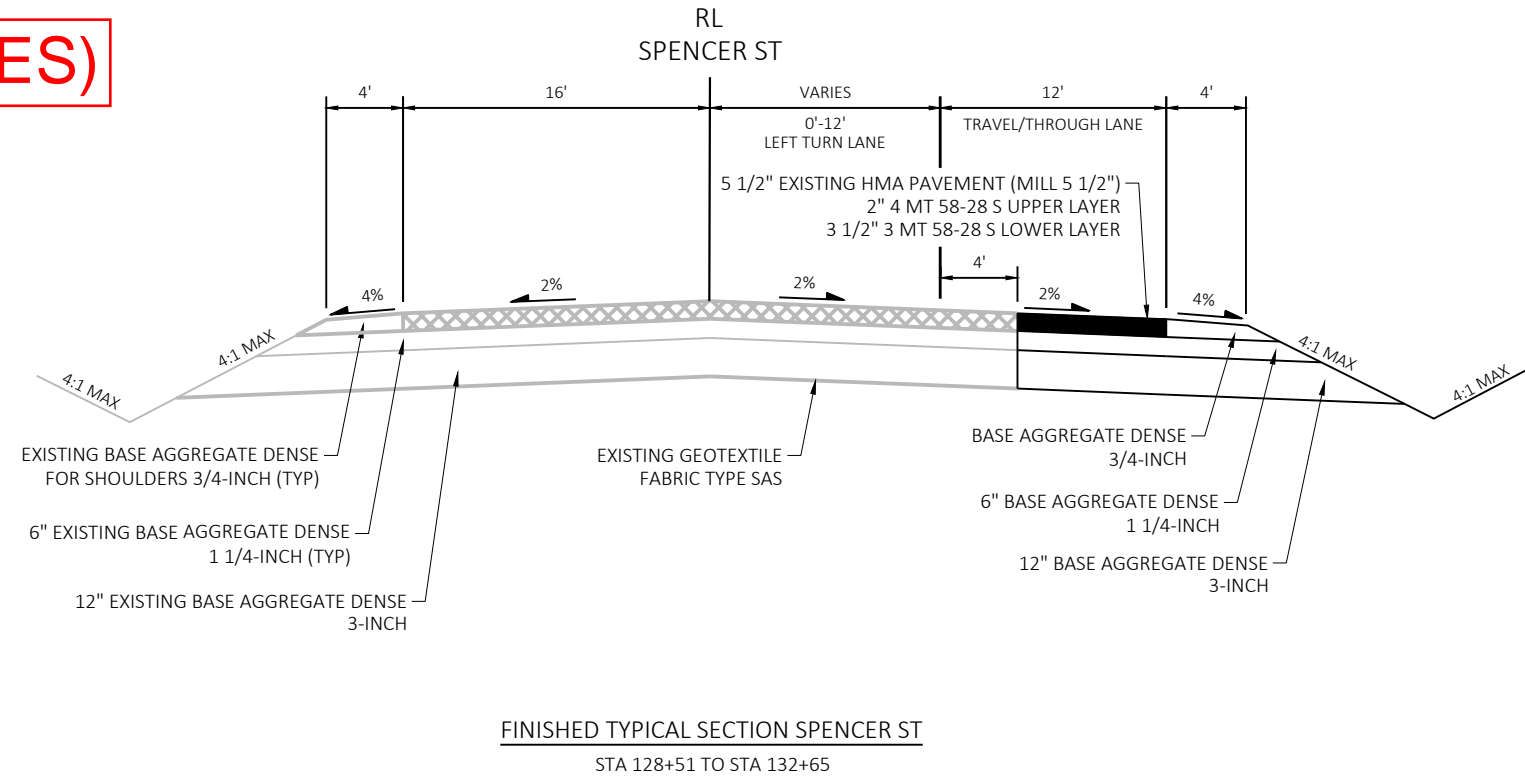
2







REPLACE (NO CHANGES)



Follow US Coast Guard and WDNR requirements (whichever is applicable or most conservative) to provide sufficient clearance.

Evaluate and ensure adequate deck drainage in accordance with Chapter 29 of the WisDOT Bridge Manual. Foundations for new bridges must be designed to account for potential scour. Scour calculations and evaluation must be performed in accordance with the guidelines in FHWA Hydraulic Engineering Circular No.18, Evaluating Scour at Bridges, Fifth Edition, April 2012. Scour shall be computed using FHWA Hydraulic Toolbox software or other appropriate methods as approved by the Department. Evaluate scour for the temporary condition during construction and design the necessary countermeasures to mitigate.

Riprap placement at bridge abutments must be in accordance with Chapter 15 and Standard Drawing 15.01 of the WisDOT Bridge Manual.

12.3.3.5 FDM Drainage Structures

Complete Stormwater-Drainage-Water Quality Report as defined in FDM Chapter 13. Submit this report, corresponding figures, and all supporting hydraulic models and computations to the Department for acceptance.

Refer to FDM 13-1-15 and 13-1-17 for allowable pipe materials under different classifications of roadways.

12.3.3.5.1 . *Storm Drains and Sewer*

Design pipes with a minimum flow velocity of 3 feet per second (fps) and a maximum of 15 fps. If geometric constraints prohibit the minimum velocity from being achieved, design pipes with flow velocities less than 3 fps for full flow at 80 percent of the internal diameter to account for sedimentation in the pipe. Design other storm drain pipes using the full internal diameter. Do not design storm drains for greater than full-flow capacity at the design flow rate.

Provide pipe outlets with temporary or permanent energy dissipation within 24 hours after connecting the pipe to any new or existing surface waters.

Locate storm sewer manholes outside of the driving and bicycle lanes. Place drainage structures at all changes in pipe size, pipe grade and direction.

Design and construct storm sewers without the use of inverted siphons, lift stations, or other mechanical conveyance systems.

~~12.3.3.5.2 — Roadside Open Channels~~

~~Base the geometry of roadside open channels (ditches) on the following:~~

- ~~• Refer to FDM 13-30 for open channel and ditch design. All ditches adjacent to or through wetland areas should be flat-bottom ditches to assist with water quality treatment.~~
- ~~• When designing flat-bottom ditches, design ditches with a bottom width of at least 4 feet and no more than 8 feet.~~

- ~~Design ditches with a Froude number less than 1. Supercritical flow is not allowed.~~
- ~~Do not rely solely on swale sections for compliance with water quality treatment requirements.~~

12.3.4 Reports and Plans

12.3.4.1 Drainage Overview Map

Submit a Project Drainage Overview Map to the Department, prior to initiating detailed design, in AutoDesk Civil 3D and pdf format. The Project Drainage Overview Map serves as the base plan for final drainage design. Show the existing drainage features and proposed Project drainage Master Plan, including drainage areas and contributing flows of existing and proposed drainage to each point of inflow and outflow from the Project. Show impacts from the Project and proposed mitigation within the map extents, as well as all waters of the State, outstanding resource value waters, special waters, and impaired waters within 1 mile of the Project that receive Project runoff.

12.3.4.2 Drainage Plans

Produce plans in a format that facilitates design review by the Department according to Section 5 Quality Management. In addition, submit the following documents with the RFC Plans:

1. Drainage area maps showing each storm drain inlet with pertinent data, such as boundaries of the drainage area for that inlet, topographic contours, runoff coefficients, times of concentration values and paths, and land use and soil types with design curve number and design runoff coefficient.
2. Location and tabulation of all existing and proposed pipe and drainage structures, including all pipe and drainage structures proposed to be removed or left in place, out of service. These will include size, class or gauge, inlet spacing, detailed structure designs, and any special designs.
3. Complete pipe profiles, including pipe size, type, gradient, and station offsets from the centerline of the roadway, length of pipe, class/gauge of pipe, and numbered drainage structures with coordinate locations and elevations.
4. Drainage Plan sheets showing the location and design of all SCPs and drainage features. If an existing structure or pipe/culvert was removed or abandoned, indicate on the Plans.
5. Drainage calculations and all hydraulic and water quality models used to develop RFC Plans. Provide all models clearly matching the drainage area maps. Submit calculations as a pdf and in native electronic format.

12.3.4.3 Drainage Design Report

- Prepare a preliminary Drainage Design Report, signed by a Wisconsin-licensed Professional Engineer. This report will be submitted to the Department Regional Stormwater and Erosion Control Engineer (SWECE) for review and comment. Prepare a final Drainage Design

- Complete set of calculations and detailed drainage area maps detailing pre- and post-drainage conditions, including native electronic files.
- Correspondence files.

Prior to Final Acceptance, submit an electronic copy of the Drainage Design Report, including all stormwater models organized by design topic.

12.3.4.4 BOS Hydraulic Structures Hydrology Report

Prior to finalizing hydraulic design and submitting Hydraulic/Site Report (per Section 12.3.4.5), prepare a Hydrology Report signed by a Wisconsin-licensed Professional Engineer, and submit to the Department BOS for their review and concurrence, including the following:

- Drainage area maps with watershed characteristics in ArcView shapefile format (UTM coordinates). Locate the structure on the maps.
- Hydrologic calculations (where computer software is used, include electronic input and output files).
- Historical or site data used to review computed flows.

12.3.4.5 BOS Hydraulic Structures Hydraulic/Site Report

Refer to Section 13 Structures for submittal requirements.

~~12.3.4.6 Retaining Wall Scour Analysis Report~~

~~Provide retaining wall protection in accordance with Bridge Manual Section 14.4.7.7.~~

~~Include recommendations as part of a Retaining Wall Scour Report to address scour analyses and hydraulic data such as high water elevation and flow velocity.~~

~~12.3.4.7~~ **12.3.4.6 Stream Crossing Structure Survey Report**

Update the Department provided hydrologic and hydraulic information and waterway design recommendations to the Department on the Stream Crossing Structure Survey Report form "DT1698," with the appropriate Hydraulic Data shown on the bridge plan as defined in Bridge Manual Section 6.2.2.3.

12.4 Construction Requirements

12.4.1 Construction Criteria

Maintain drainage to accommodate construction staging and provide drainage during all stages of construction meeting Project and permit requirements. Construct temporary culverts to bypass runoff around the site or route excessive runoff through the site rather than let the runoff accumulate in the Work zone and then be filtered by dewatering. Obtain the Department's approval for abandonment methods for all existing drainage features that are being abandoned with this Project.

13.3.2.5.7 *Bridge Barriers*

Provide a modified vertical faced parapet. The parapet height shall allow a final height of 42-inches above a future 6-inch raised sidewalk. Provide Anchor Assemblies for Steel Plate Beam Guard at all four corners of B-44-482.

13.3.2.5.8 *Structural Approach Slabs*

Structural Approach Slabs will be required on the following structures: B-44-482.

Concrete Approach Slabs are required on the following structures: B-44-482. Comply with requirements of Book 2, Section 10 (Pavements and Roadway Materials), subsection 10.2, for required concrete approach slabs at each structure.

13.3.2.6 **Additional Design Requirements**

13.3.2.6.1 *Vertical Clearance*

Comply with freeboard requirements stated in the Departments LRFD Bridge Manual

13.3.3 **Reports and Plans**

Submit Preliminary Structure Plans for all structures to the Department for Acceptance by the Bureau of Structures before RFC Documents will be Accepted. Comply with requirements of Books 2, Sections 5.4 & Sections 5.5.

Submit a Structure Inventory Form for each structure prior to the start of bridge construction with RFC plans. RFC plans shall include all items listed in Book 2, Section 5.4.

13.3.4 **Bridge Load Rating**

Complete a WisDOT Load Rating Summary Form for each bridge on the Project and submit 6 weeks before the associated bridge is opened to vehicular traffic.

With each report, submit load rating calculations. Base ratings on the final configuration of the bridge.

If a refined analysis is required, submit the Refined Analysis Rating Form in addition to the Load Rating Summary Form.

13.4 **Construction Requirements**

13.4.1 **General**

All necessary permanent and temporary structures including excavation, slopes, and embankment must be constructed within the Department's R/W.

Locate all active Utilities on the structures and in the vicinity of the Project prior to construction and conduct operations in such a manner as to ensure that those utilities not requiring relocation will not be disturbed.

Street and Nicolet Street intersection, remove and replace with epoxy pavement markings to match existing conditions.

18.3.1.7 Work and Pre-Stage/Post-Stage Closure Restrictions

Pre-stage/Post-stage closures are allowed for the purposes of setting up or removing the traffic control required in advance of the start of the Design-Builder's selected traffic control alternative described in 18.3.1.8 and 18.3.1.9. Work under the pre-stage/post-stage closures may include temporary construction or removal of such as temporary pavement, temporary pavement markings, temporary traffic signals, ~~or~~ traffic signal modifications, or traffic staging setup or removal related work. Ten short-term single through lane closures on STH 125 are allowed to be implemented. Six short-term full ramp closures at the IH₋41 and STH 125 interchange ramps are allowed to be implemented. Single through lane Cclosures are allowed on STH 125 from 7 pm to 8 am, Sunday to Thursday. Full ramp Cclosures are allowed at the IH₋41 and STH 125 interchange ramps from 8 pm to 5 am, Sunday to Thursday. The northbound and southbound ramps are not allowed to be closed at the same time. No marked detour route is required during the short-term ramp closures if a ramp closure is for 3 consecutive nights or less. The applicable short-term ramp closure or lane closure signing and standard details apply. Provide certified flaggers for any required flagging operations. Construction Work zone access locations must be approved by the Department.

Work may not be performed on and all lanes of traffic open and in their existing configurations on STH 125, IH 41 Ramps, Spencer Road, and all surrounding local roads from November 15 to December 31. Do not haul materials of any kind along or across any portion of the highway carrying traffic, and entirely clear the traveled way and shoulders of such portions of the highway of equipment, barricades, signs, lights, and any other material that might impede the free flow of traffic during the following holiday and special events:

Holiday/Special Event	Begin Date and Time	End Date and Time
Labor Day	September 2, 2022 12:00 p.m.	September 6, 2022 6:00 a.m.
Easter	April 7, 2023 12:00 p.m.	April 10, 2023 6:00 a.m.
Memorial Day	May 26, 2023 12:00 p.m.	May 30, 2023 6:00 a.m.
Independence Day	July 3, 2023 12:00 p.m.	July 5, 2023 6:00 a.m.
Labor Day	September 1, 2023 12:00 p.m.	September 5, 2023 6:00 a.m.

18.3.1.8 ~~Maintaining~~ Traffic Staging Alternatives

18.3.1.8.1 Allowed Staging Alternatives

The Design-Builder has the option to use one or more of the following staging alternatives up to the maximum Lane User Impacts allowed based on the formula below. If the Design-Builder proposes to use fewer Lane User Impacts than the maximum allowed, the maximum Lane User Impacts will be determined in accordance with Book 1, Section 4.3.2.1.

Alternative A = Maintaining three through lanes (two eastbound lanes plus one westbound lane or two westbound lanes plus one eastbound lane) on STH 125 within the work zone of the structure replacement. Alternative A must meet the requirements of Book 2, Section 18.3.1.8.2.

Alternative B = Maintaining a single through lane in each direction on STH 125 within the work zone of the structure replacement. Alternative B must meet the requirements of Book 2, Section 18.3.1.8.3.

Alternative C = Maintaining two eastbound or two westbound through lanes on STH 125 within the work zone of the structure replacement. Alternative C must meet the requirements of Book 2, Section 18.3.1.8.4.

Alternative D = Maintaining a single eastbound or a single westbound through lane on STH 125 within the work zone of the structure replacement. Alternative D must meet the requirements of Book 2, Section 18.3.1.8.5.

Alternative E = Closing all lanes of traffic on STH 125 within the work zone of the structure replacement. Alternative E must meet the requirements of Book 2, Section 18.3.1.8.6.

Maximum Lane User Impacts allowed shall be calculated using the formula below by entering the Calendar Days used for each alternative:

$$1.50A + 2.00B + 3.20C + 3.68D + 4.99E \leq 364 \text{ Lane User Impacts}$$

AND, meet the condition of $A + B + C + D + E \leq 182$ Calendar Days

A = Number of Calendar Days that Alternative A is in operation

B = Number of Calendar Days that Alternative B is in operation

C = Number of Calendar Days that Alternative C is in operation

D = Number of Calendar Days that Alternative D is in operation

E = Number of Calendar Days that Alternative E is in operation

18.3.1.8.2 Alternative A: Maintaining Three Through Lanes

STH 125

Maintain a single through lane in one direction and two through lanes in the opposing direction through the Project limits. The posted regulatory speed will remain at 35 mph and advisory plaques can be used to reduce the speed to 25 mph through the work zone if desired.

For maintaining two eastbound lanes and one westbound lane, follow the requirements of Alternative C for eastbound traffic and impacted ramps and the requirements of Alternative B for westbound traffic and impacted ramps.

For maintaining two westbound lanes and one eastbound lane, west of the new structure, provide a lane drop and crossover between the new structure and the I-41 southbound ramp intersection. Maintain all lanes of traffic at STH 125 intersections except turn lanes impacted by lane closures and at the I-41 interchange ramps as allowed below.

STH 125 and I-41 Southbound Ramp Intersection

Southbound: Two existing length right-turn lanes, one existing length left-turn lane. Westbound: Two through lanes, one existing length left-turn lane. Eastbound: One through lane, one existing length look-ahead left turn lane, one existing length right-turn lane.

STH 125 and I-41 Northbound Ramp Intersection

Northbound: One existing length right-turn lane, two existing length left-turn lanes. Westbound: Two through lanes, one existing length right turn lane. Eastbound: One through lane, one 200-foot minimum left turn lane. Modify existing signals or provide temporary signals to align with new lane locations and in accordance with Traffic Signal Design Manual. All signal modifications for traffic staging purposes need to be approved by the Regional Traffic Signal Engineer including signal head layout and signal timing plans.

Alternate Routes

See Exhibit 18-A for the alternate routes to be implemented during STH 125 lane closures. Establish alternate route signing 3 calendar days in advance of any STH 125 lane or shoulder closures. Alternate route signing shall follow SDD Detour Signing for Mainline Closures, except replace any "DETOUR" sign wording with "ALTERNATE" sign wording.

18.3.1.8.3 Alternative B: Maintaining a Single Through Lane in Each Direction

STH 125

Maintain a single through lane in each direction through the Project limits. The posted regulatory speed will remain at 35 mph and advisory plaques can be used to reduce the speed to 25 mph through the work zone crossovers if desired. East of the new structure, provide a lane drop and crossover, as required, between the new structure and the Kools Street/Westhill Boulevard intersection. West of the new structure, provide an eastbound lane drop between the STH 125/Casaloma Drive and STH 125/N Mall Drive/S Nicolet Road intersections. ~~Provide a lane drop and~~ crossover, as required, between the new structure and the I-41 southbound ramp intersection. Maintain all lanes of traffic at STH 125 intersections except turn lanes impacted by lane closures and at the I-41 interchange ramps as allowed below.

STH 125 and I-41 Southbound Ramp Intersection

Southbound: Two existing length right-turn lanes, one existing length left-turn lane. Westbound: Two through lanes, one existing length left-turn lane. Eastbound: One through lane, one existing length look-ahead left turn lane, one existing length right-turn lane.

STH 125 and I-41 Northbound Ramp Intersection

Northbound: One existing length right-turn lane, two existing length left-turn lanes. Westbound: One through lane, one 100-foot minimum right-turn lane. Eastbound: One through lane, one 200-foot minimum left turn lane. Modify existing signals or provide temporary signals to align with new lane locations and in accordance with Traffic Signal Design Manual. All signal modifications for traffic staging purposes need to be approved by the Regional Traffic Signal Engineer including signal head layout and signal timing plans.

Alternate Routes

See Exhibit 18-A for the alternate routes to be implemented during STH 125 lane closures. Establish alternate route signing 3 calendar days in advance of any STH 125 lane or shoulder closures. Alternate route signing shall follow SDD Detour Signing for Mainline Closures, except replace any “DETOUR” sign wording with “ALTERNATE” sign wording.

18.3.1.8.4 Alternative C: Maintaining Two Eastbound or Two Westbound Through Lanes

Maintaining Two Eastbound Through Lanes:

STH 125

Maintain two eastbound through lanes through the Project limits. The posted regulatory speed will remain at 35 mph and advisory plaques can be used to reduce the speed to 25 mph through the work zone if desired. East of the new structure, detour westbound traffic as defined below under Detour Routes. Close westbound STH 125 to local traffic west of the Kools Street/Westhill Boulevard intersection. Provide a westbound lane drop between the STH 125/Kools Street/Westhill Boulevard intersection and the STH 125/North Bluemound Drive intersection and channelize the single through lane into the existing right and left turn lanes. West of the new structure, maintain all existing lanes or provide a crossover, as required, between the new structure and the I-41 northbound ramp intersection. Maintain all lanes of traffic at STH 125 intersections except turn lanes impacted by lane closures and at the I-41 northbound interchange ramp as allowed below.

STH 125 and I-41 Northbound Ramp Intersection

Northbound: Maintain all existing lanes. Westbound: Closed to traffic. Eastbound: Two through lanes, one 200-foot minimum left turn lane. Modify existing signals or provide temporary signals to align with new lane locations and in accordance with Traffic Signal Design Manual. All signal modifications for traffic staging purposes need to be approved by the Regional Traffic Signal Engineer including signal head layout and signal timing plans.

Detour and Alternate Routes

See Exhibit 18-B for the detour route and alternate route to be implemented during STH 125 westbound lane closures. Post a detour for STH 125 that utilizes CTH A (Lynndale Drive) to CTH OO (Northland Avenue) to I-41 to STH 125 (College Avenue). Posted detour shall follow SDD Detour Signing for Mainline closures. The detour must be signed for the direction of STH 125 that is closed. Establish alternate route signing 3 calendar days in advance of any STH 125 lane or shoulder closures. Alternate route signing shall follow SDD Detour Signing for Mainline Closures, except replace any “DETOUR” sign wording with “ALTERNATE” sign wording.

Maintaining Two Westbound Through Lanes:

STH 125

Maintain two westbound through lanes through the Project limits. The posted regulatory speed will remain at 35 mph and advisory plaques can be used to reduce the speed to 25 mph through

the work zone if desired. East of the new structure, maintain all existing lanes or provide a crossover between the new structure and the STH 125/Kools Street/Westhill Boulevard intersection. West of the new structure, detour eastbound traffic as defined below under Detour Routes. Close eastbound STH 125 to local traffic east of the I-41 northbound ramp intersection. Provide an eastbound lane drop between the STH 125/Casaloma Drive and STH 125/N Mall Drive/S Nicolet Road intersections. Channelize the single eastbound through lane into the I-41 northbound turn lane at the approach to the I-41 southbound ramp intersection. Maintain all lanes of traffic at STH 125 intersections except turn lanes impacted by lane closures and at the I-41 interchange ramps as allowed below.

STH 125 and I-41 Northbound Ramp Intersection

Northbound: Two existing length left turn lanes. Eastbound: Closed to traffic except the left-turn lane to northbound I-41. Westbound: Two through lanes, one 100-foot minimum right turn lane. Modify existing signals or provide temporary signals to align with new lane locations and in accordance with Traffic Signal Design Manual. All signal modifications for traffic staging purposes need to be approved by the Regional Traffic Signal Engineer including signal head layout and signal timing plans.

STH 125 and I-41 Southbound Ramp Intersection

Southbound: Two existing length right turn lanes. Eastbound: Existing length right turn lane, existing length left turn look-ahead lane. Westbound: All lanes open. Modify existing signals or provide temporary signals to align with new lane locations and in accordance with Traffic Signal Design Manual. All signal modifications for traffic staging purposes need to be approved by the Regional Traffic Signal Engineer including signal head layout and signal timing plans.

Detour and Alternate Routes

See Exhibit 18-B for the detour route and alternate route to be implemented during STH 125 eastbound lane closures. Post a detour for STH 125 that utilizes CTH A (Lynndale Drive) to CTH OO (Northland Avenue) to I-41 to STH 125 (College Avenue). Posted detour shall follow SDD Detour Signing for Mainline closures. The detour must be signed for the direction of STH 125 that is closed. Establish alternate route signing 3 calendar days in advance of any STH 125 lane or shoulder closures. Alternate route signing shall follow SDD Detour Signing for Mainline Closures, except replace any "DETOUR" sign wording with "ALTERNATE" sign wording.

18.3.1.8.5 Alternative D: Maintaining a Single Eastbound or Westbound Through Lane

Maintaining a Single Eastbound Through Lane:

STH 125

Maintain one eastbound through lane through the Project limits. The posted regulatory speed will remain at 35 mph and advisory plaques can be used to reduce the speed to 25 mph through the work zone if desired. East of the new structure, detour westbound traffic as defined below under Detour Routes. Close westbound STH 125 to local traffic west of the Kools Street/Westhill Boulevard intersection. Provide a westbound lane drop between the STH 125/Kools

Street/Westhill Boulevard intersection and the STH 125/North Bluemound Drive intersection and channelize the single through lane into the existing right and left turn lanes. West of the new structure, provide an eastbound lane drop between the STH 125/Casaloma Drive and STH 125/N Mall Drive/S Nicolet Road intersections. Provide a crossover, as required, between the new structure and the I-41 northbound ramp intersection. Maintain all lanes of traffic at STH 125 intersections except at the I-41 interchange ramps and STH 125/Kools Street/Westhill Boulevard intersection as allowed below.

STH 125 and I-41 Southbound Ramp Intersection

Southbound: Two existing length right-turn lanes, one existing length left-turn lane. Westbound: Two through lanes, one existing length left-turn lane. Eastbound: One through lane, one existing length look-ahead left turn lane, one existing length right-turn lane.

STH 125 and I-41 Northbound Ramp Intersection

Northbound: One existing length right-turn lane, two existing length left-turn lanes. Westbound: Closed to traffic. Eastbound: One through lane, one 200-foot minimum left turn lane. Modify existing signals or provide temporary signals to align with new lane locations and in accordance with Traffic Signal Design Manual. All signal modifications for traffic staging purposes need to be approved by the Regional Traffic Signal Engineer including signal head layout and signal timing plans.

Detour and Alternate Routes

See Exhibit 18-B for the detour route and alternate route to be implemented during STH 125 westbound lane closures. Post a detour for STH 125 that utilizes CTH A (Lynndale Drive) to CTH OO (Northland Avenue) to I-41 to STH 125 (College Avenue). Posted detour shall follow SDD Detour Signing for Mainline closures. The detour must be signed for the direction of STH 125 that is closed. Establish alternate route signing 3 calendar days in advance of any STH 125 lane or shoulder closures. Alternate route signing shall follow SDD Detour Signing for Mainline Closures, except replace any "DETOUR" sign wording with "ALTERNATE" sign wording.

Maintaining a Single Westbound Through Lane:

STH 125

Maintain one westbound through lane through the Project limits. The posted regulatory speed will remain at 35 mph and advisory plaques can be used to reduce the speed to 25 mph through the work zone if desired. East of the new structure, provide a lane drop and crossover, as required, between the new structure and the Kools Street/Westhill Boulevard intersection. West of the new structure, detour eastbound traffic as defined below under Detour Routes. Close eastbound STH 125 to local traffic east of the I-41 northbound ramp intersection. Provide an eastbound lane drop between the STH 125/Casaloma Drive and STH 125/N Mall Drive/S Nicolet Road intersections. Channelize the single eastbound through lane into the I-41 northbound turn lane at the approach to the I-41 southbound ramp intersection. Maintain all

lanes of traffic at STH 125 intersections except turn lanes impacted by lane closures and at the I-41 interchange ramps as allowed below.

STH 125 and I-41 Northbound Ramp Intersection

Northbound: Two existing length left turn lanes. Eastbound: Closed to traffic except the left-turn lane to northbound I-41. Westbound: One through lane, one 100-foot minimum right turn lane. Modify existing signals or provide temporary signals to align with new lane locations and in accordance with Traffic Signal Design Manual. All signal modifications for traffic staging purposes need to be approved by the Regional Traffic Signal Engineer including signal head layout and signal timing plans.

STH 125 and I-41 Southbound Ramp Intersection

Southbound: Two existing length right turn lanes. Eastbound: Existing length right turn lane, existing length left turn look-ahead lane. Westbound: All lanes open. Modify existing signals or provide temporary signals to align with new lane locations and in accordance with Traffic Signal Design Manual. All signal modifications for traffic staging purposes need to be approved by the Regional Traffic Signal Engineer including signal head layout and signal timing plans.

Detour and Alternate Routes

See Exhibit 18-B for the detour route and alternate route to be implemented during STH 125 westbound lane closures. Post a detour for STH 125 that utilizes CTH A (Lynndale Drive) to CTH OO (Northland Avenue) to I-41 to STH 125 (College Avenue). Posted detour shall follow SDD Detour Signing for Mainline closures. The detour must be signed for the direction of STH 125 that is closed. Establish alternate route signing 3 calendar days in advance of any STH 125 lane or shoulder closures. Alternate route signing shall follow SDD Detour Signing for Mainline Closures, except replace any "DETOUR" sign wording with "ALTERNATE" sign wording.

18.3.1.8.6 Alternative E: Closing All Lanes

18.3.1.8.1 Lane Rental Damages

Open all lanes of travel on STH 125 and I-41 ramps within the calendar days indicated in Table 18-1 or in accordance with Book 1, Section 4.3.2.1. Calendar Days assessed will begin upon the first use of traffic control devices to close lanes. Lane rental damages will be assessed in 15-minute increments.

Table 18-1: Calendar Days and Lane Rental Damages

Roadway	Calendar Days	Lane Rental Damage (Per hour, per lane, per direction of travel)
STH 125 & I-41 Ramps	182	\$400

~~18.3.1.9 Road Closure Alternative~~

-STH 125

Close STH 125 to all traffic between the I-41 northbound ramps and the Kools Street/Westhill Boulevard intersection. West of the new structure, detour eastbound traffic as defined below under Detour Routes. Close eastbound STH 125 to local traffic east of the I-41 northbound ramp intersection. Provide an eastbound lane drop between the STH 125/Casaloma Drive and STH 125/N Mall Drive/S Nicolet Road intersections. Channelize the single eastbound through lane into the I-41 northbound turn lane at the approach to the I-41 southbound ramp intersection. East of the new structure, detour westbound traffic as defined below under Detour Routes. Close westbound STH 125 to local traffic west of the Kools Street/Westhill Boulevard intersection. Provide a westbound lane drop between the STH 125/Kools Street/Westhill Boulevard intersection and the STH 125/North Bluemound Drive intersection and channelize the single through lane into the existing right and left turn lanes. Maintain all lanes of traffic at STH 125 intersections except turn lanes impacted by lane closures at the I-41 interchange ramps as allowed below.

STH 125 and I-41 Southbound Ramp Intersection

Southbound: Two existing length right-turn lanes, one left-turn lane. Westbound: Two through lanes, one existing length left-turn lane. Eastbound: One existing length look-ahead left turn lane, one existing length right-turn lane.

STH 125 and I-41 Northbound Ramp Intersection

Northbound: Two existing length left-turn lanes. Eastbound: One existing length left turn lane. Westbound: Closed to traffic. Cover existing signals heads as required.

Alternate Routes

See Exhibit 18-B for the alternate route to be implemented during STH 125 lane closures. Post an alternate route for I-41 northbound traffic beginning south of the US 10/STH 441 interchange. Establish I-41 northbound alternate route signing 3 calendar days in advance of any STH 125 lane or shoulder closures. Posted alternate route shall utilize I-41 northbound to STH 441 northbound to STH 47 northbound. The alternate route shall end at the STH 47 and STH 125 intersection. Alternate route signing shall follow SDD Detour Signing for Mainline Closures, except replace any "DETOUR" sign wording with "ALTERNATE" sign wording.

Detour Routes

See Exhibit 18-B for the detour route to be implemented during STH 125 lane closures. Post a detour for STH 125 that utilizes CTH A (Lynndale Drive) to CTH OO (Northland Avenue) to I-41 to STH 125 (College Avenue). Posted detour shall follow SDD Detour Signing for Mainline closures. The detour must be signed for each direction of STH 125 that is closed.

18.3.1.9 Lane Rental Damages

Open all lanes of travel on STH 125 and I-41 ramps within the Lane User Impacts allowed calendar days indicated in Table 18-12 or in accordance with Book 1, Section 4.3.2.1. Lane User Impacts Calendar Days assessed will begin upon the first use of traffic control devices to close lanes for any of the allowed traffic control alternatives beyond the allowed short-term closures defined in Book 2, Section 18.3.1.7. Lane rental damages will be assessed in accordance with Table 18-1 in 15-minute increments based on the Design-Builder's traffic control alternative in operation at the time the Lane User Impacts allowed is exceeded. Lane rental damages will be assessed in 15-minute increments.

Table 18-1: Lane User Impacts Calendar Days Allowed and Lane Rental Damages

Roadway	<u>Lane User Impacts Calendar Days Allowed</u>	Lane Rental Damage (Per hour, per lane, per direction of travel)
STH 125 & I-41 Ramps <u>(1)</u>	<u>36473</u>	\$475

(1) Lane Rental Damage for lane closures on I-41 Ramps will only be charged if the ramp lane closure is not in relation to a lane closure on STH 125.

18.3.1 Reports and Plans

18.3.1.9 Transportation Management Plan

- Refer to FDM 11-50. Complete Type 2 Transportation Management Plan (TMP). TMP completion includes 60% TMP, 90% TMP, and any amendments required by the Department.
- An Incident Management Plan (IMP) is not required for the Project.
- Communicate TMP information to the Design-Builder's public information personnel and notify the public of Traffic Control issues in conjunction with the requirements of Book 2, Section 3 (Public Involvement).

Use the procedures developed in the TMP to create the Traffic Control Plans, including details of all stages and phases, and all required switching procedures.

Obtain approval of the 90% TMP prior to issuance of NTP2. The Department will respond to the submittal within 15 Working Days. Update the TMP throughout the Project and revise as conditions or situations may arise that will change the Project staging or traffic control.

18.3.1.10 Traffic Control Plans

Prepare and submit Traffic Control Plans and Plan revisions in compliance with FDM 11-50. The Department will respond to the Traffic Control Plan submittals within 15 Working Days. Distribute the Accepted Traffic Control Plans to stakeholders at least 15 Working Days prior to implementation, or as directed by the Department.



Wisconsin Department of Transportation

Northeast Region

Request for Proposals: Applicable Standards

Book 3

Addendum #1 ~~Original Issue~~

Town of Grand Chute, College Avenue

IH 41 – Bluemound Drive,

STH 125, Outagamie County

Design-Build Project

State Design/Construction IDs: 6526-00-00/71

June 23 ~~May 12~~, 2022

2 Design-Build Manual Modifications

2.1 General Information

This document contains contractual modifications to manuals and standards necessary for their use on Department Design-Build projects. This document is divided into three sections:

1. **Applicability.** This section lists the manuals and standards modified by this document.
2. **General Modifications.** This section contains general modifications that may apply to any or all of the manuals and standards listed under “Applicability.”
3. **Specific Modifications.** This section contains specific modifications that apply to one manual or standard listed under “Applicability.” These modifications take precedence over the “General Modifications” when in conflict.

2.2 Applicability

This document applies to the following Department manuals and standards:

1. *Standard Specifications*
2. *Bridge Manual*
3. *Bridge Manual Standard Detail Drawings*
4. *Construction and Material Manual (CMM)*
5. *Facilities Development Manual (FDM)*
6. *Geotechnical Manual*
7. *Local Program Real Estate Manual (LP RE) Manual*
8. *Highway Maintenance Manual (HMM)*
9. *Wisconsin Manual on Uniform Traffic Control Devices (WMUTCD)*
10. *Real Estate Program Manual (REPM)*
- ~~11. *Southwest Improvement Guidance (SWIG)*~~
- ~~12.11. *Structures Inspection Manual*~~
- ~~13.12. *Structures Preservation Manual*~~
- ~~14.13. *WisDOT Guide to Utility Coordination (WGUC)*~~
- ~~15.14. *Traffic Engineering, Operations and Safety Manual*~~
- ~~16.15. *ITS Design and Operations Guide*~~
- ~~17.16. *Ramp Meter Retiming Manual*~~
- ~~18.17. *Sign Plate Manual*~~

~~19.18.~~ *Sign Code Manual*

~~20.19.~~ *Traffic Signal Design Manual*

~~21.20.~~ *Wisconsin Bicycle Facility Design Handbook*

2.3 General Modifications

The following modifications apply to all manuals listed under “Applicability” unless modified in the Specific Modifications:

1. Most of these manuals were created as internal guidance documents for use by the Department and its consultants on design-bid-build projects. As such, they are often written to provide guidance as opposed to setting mandatory, contractual requirements. For the purposes of design-build projects, all provisions in these manuals are mandatory and all guidelines are requirements. All words such as “should,” “may,” “could,” and “can” are replaced by “shall” unless the context requires otherwise, as determined at the sole discretion of the Department. Disregard qualifying words such as “usually,” “normally,” and “generally.” The Department has the sole discretion to determine when the context does not require a provision to be mandatory.
2. All words such as “necessary,” “needed,” “preferred,” or “recommended,” when applied to actions or other provisions, indicate that those actions and provisions are required unless the context requires otherwise as determined at the sole discretion of the Department.
3. Do not conduct activities described with phrases such as “is not normally used,” “is not good practice,” “should never be done,” “cannot be used,” or “should be avoided.” The Department has the sole discretion to determine when the context either requires or does not require a provision to be mandatory.
4. In situations where a Department practice or policy is referenced, the requirements of the practice or policy are mandatory requirements unless the context requires otherwise. The Department has the sole discretion to determine when the context does not require a practice or policy to be mandatory.
5. In situations where a manual refers to the “Engineer,” “designer,” “project manager,” an employee of the Department, etc., the term refers to the Design-Builder when it relates to design responsibilities or other technical issues. The term refers to the Department when it relates to administrative issues. The Department has the sole discretion to determine when the context refers to technical or administrative responsibilities.
6. When a manual includes statements that are required unless Approved by the Engineer (or equivalent wording), the Design-Builder must comply with the requirements unless a Change Order is Approved by the Department.
7. References to “approved” mean “Approved by the Department.”

EXHIBIT 3-A: SPECIAL PROVISIONS

STSP'S Revised January 7, 2022

SPECIAL PROVISIONS

1. Environmental Protection, Dewatering.

Add the following to standard spec 107.18:

If dewatering is required, treat the water to remove suspended sediments by filtration, settlement or other appropriate best management practice before discharge. The means and methods proposed to be used during construction shall be submitted for approval as part of the Erosion Control Implementation Plan for dewatering at each location it is required. The submittal shall also include the details of how the intake will be managed to not cause an increase in the background level turbidity before treatment and any additional erosion controls necessary to prevent sediments from reaching the project limits or wetlands and waterways. Guidance on dewatering can be found on the Wisconsin Department of Natural Resources website located in the Storm Water Construction Technical Standards, Dewatering Code #1061, "Dewatering". This document can be found at the WisDNR website:

http://dnr.wi.gov/topic/stormwater/standards/const_standard.html

2. Environmental Protection, Aquatic Exotic Species Control.

Exotic invasive organisms such as AIS, zebra mussels, purple loosestrife, and Eurasian water milfoil are becoming more prolific in Wisconsin and pose adverse effects to waters of the state. Wisconsin State Statutes 30.07, "Transportation of Aquatic Plants and Animals; Placement of Objects in Navigable Waters", details the state law that requires the removal of aquatic plants and zebra mussels each time equipment is put into state waters.

At construction sites that involve navigable water or wetlands, use the follow cleaning procedures to minimize the chance of exotic invasive species infestation. Use these procedures for all equipment that comes in contact with waters of the state and/or infested water or potentially infested water in other states.

Ensure that all equipment that has been in contact with waters of the state, or with infested or potentially infested waters, has been decontaminated for aquatic plant materials and zebra mussels before being used in other waters of the state. Before using equipment on this project, thoroughly disinfect all equipment that has come into contact with potentially infested waters. Guidelines from the Wisconsin Department of Natural Resources for disinfection are available at:

<http://dnr.wi.gov/topic/invasives/disinfection.html>

Use the following inspection and removal procedures:

1. Before leaving the contaminated site, wash machinery and ensure that the machinery is free of all soil and other substances that could possibly contain exotic invasive species;
2. Drain all water from boats, trailers, bilges, live wells, coolers, bait buckets, engine compartments, and any other area where water may be trapped;
3. Inspect boat hulls, propellers, trailers and other surfaces. Scrape off any attached mussels, remove any aquatic plant materials (fragments, stems, leaves, seeds, or roots), and dispose of removed mussels and plant materials in a garbage can before leaving the area or infested waters; and
4. Disinfect your boat, equipment and gear by either:
 - 4.1. Washing with ~212 F water (steam clean), or
 - 4.2. Drying thoroughly for five days after cleaning with soap and water and/or high pressure water, or
 - 4.3. Disinfecting with either 200 ppm (0.5 oz per gallon or 1 Tablespoon per gallon) Chlorine for 10-minute contact time or 1:100 solution (38 grams per gallon) of Virkon Aquatic for 20- to 30-minute contact time. Note: Virkon is not registered to kill zebra mussel veligers nor invertebrates like spiny water flea. Therefore, this disinfect should be used in conjunction with a hot water (>104° F) application.

Complete the inspection and removal procedure before equipment is brought to the project site and before the equipment leaves the project site.

stp-107-055 (20130615)

3. Temporary Stream Channel or Culvert.

If a temporary channel is needed for construction of the new structure, the diversion channel shall be lined with plastic or other non-erodible material, staked, and weighted down with clean stone. A temporary channel or culvert should convey as much flow as possible. At a minimum, the temporary diversion channel/culvert must pass baseflow (approximately a Q-2 year 24-hour storm event. If the waterway is particularly flashy, size the diversion accordingly. Additionally, the temporary channel/culvert should match stream depth and velocity as close as possible to allow the passage of migrating fish and aquatic species. Fish that become stranded in dewatered areas or temporary channels should be captured and returned to the active channel immediately.

4. Erosion Control Structures.

Within three calendar days after completing the excavation for a substructure unit, place riprap or other permanent erosion control items required by the contract or deemed necessary by the engineer around the unit at a minimum to a height equivalent to the calculated water elevation resulting from a storm that occurs on the average of once every two years (Q2) as shown on the plan, or as the engineer directs.

In the event that construction activity does not disturb the existing ground below the Q2 elevation, the above timing requirements for permanent erosion control shall be waived.

stp-107-070 (20191121)

5. Notice to Contractor, Notification of Demolition and/or Renovation No Asbestos Found.

John Reolke, License Number ALL-19523, inspected Structure B-44-0010 for asbestos on June 24, 2020. No regulated Asbestos Containing Material (RACM) was found on this structure. A copy of the inspection report is available from the Department Project Manager: Jesse Hansen (920) 492-5630.

In accordance with NR447 and DHS159, ensure that DNR or DHS receives a completed Notification of Demolition and/or Renovation (DNR Form 4500-113 (R 4/15), or subsequent revision) via U.S. mail, hand-delivery, or using the online notification system at least 10 working days before beginning any construction or demolition. Pay all associated fees. Provide a copy of the completed 4500-113 form to Jesse Hansen, (920) 492-5630, jesse.hansen@dot.wis.gov, and DOT BTS-ESS attn: Hazardous Materials Specialist, PO Box 7965, Madison, WI 53707-7965. In addition, comply with all local or municipal asbestos requirements.

Use the following information to complete WisDOT NR form 4500-113:

- Site Name: Structure B-44-0010, STH 175 over Mud Creek
- Site Address: 0.3M E JCT USH 41 to STH 175
- Ownership Information: WisDOT Northeast Region, 944 Vanderpoorten Way, Green Bay, WI 54304
- Contact: Jesse Hansen
- Phone: (920) 492-5630
- Age: 69 years old. This structure was constructed in 1953
- Area: 5079 SF of deck

Insert the following paragraph in Section 6.g.:

If asbestos not previously identified is found or previously non-friable asbestos becomes crumbled, pulverized, or reduced to a powder, stop work immediately, notify the engineer, and the engineer will notify the department's Bureau of Technical Services at (608) 266-1476 for an emergency response as specified in standard spec 107.24. Keep material wet until it is abated or until it is determined to be non-asbestos containing material.

stp-107-125 (20120615)

6. QMP HMA Pavement Nuclear Density.

A. Description

Replace standard spec 460.3.3.2 (1) and standard spec 460.3.3.2 (4) with the following:

- (1) This special provision describes density testing of in-place HMA pavement with the use of nuclear density gauges. Conform to standard spec 460 except as modified in this special provision.

(2) Provide and maintain a quality control program defined as all activities and documentation of the following:

1. Selection of test sites.
2. Testing.
3. Necessary adjustments in the process.
4. Process control inspection.

(3) Chapter 8 of the department's construction and materials manual (CMM) provides additional detailed guidance for QMP work and describes required procedures.

<https://wisconsindot.gov/rdwy/cmm/cm-08-00toc.pdf>

(4) The department's Materials Reporting System (MRS) software allows contractors to submit data to the department electronically, estimate pay adjustments, and print selected reports. Qualified personnel may obtain MRS software from the department's web site at:

<http://www.atwoodsystems.com/>

B Materials

B.1 Personnel

(1) Nuclear gauge owners and personnel using nuclear gauges shall comply with WisDOT requirements according to 460.3.3 and CMM 8-15.

B.2 Testing

(1) Conform to ASTM D2950 and CMM 8-15 for density testing and gauge monitoring methods. Conform to CMM 8-15.10.4 for test duration and gauge placement.

B.3 Equipment

B.3.1 General

(1) Furnish nuclear gauges according to CMM 8-15.2.

(2) Furnish nuclear gauges from the department's approved product list at

<https://wisconsindot.gov/Pages/doing-bus/engineers/cnslt-rsrcs/tools/appr-prod/default.aspx>

B.3.2 Comparison of Nuclear Gauges

B.3.2.1 Comparison of QC and QV Nuclear Gauges

(1) Compare QC and QV nuclear gauges according to CMM 8-15.7.

B.3.2.2 Comparison Monitoring

(1) Conduct reference site monitoring for both QC and QV gauges according to CMM 8-15.

B.4 Quality Control Testing and Documentation

B.4.1 Lot and Sublot Requirements

B.4.1.1 Mainline Traffic Lanes, Shoulders, and Appurtenances

(1) Divide the pavement into lots and sublots for nuclear density testing according to CMM 8-15.10.2.

(2) Determine required number of tests according to CMM 8-15.10.2.1.

(3) Determine random testing locations according to CMM 8-15.10.3.

B.4.1.2 Side Roads, Crossovers, Turn Lanes, Ramps, and Roundabouts

(1) Divide the pavement into lots and sublots for nuclear density testing according to CMM 8-15.10.2.

(2) Determine required number of tests according to CMM 8-15.10.2.2.

(3) Determine random testing locations according to CMM 8-15.10.3.

B.4.2 Pavement Density Determination

B.4.2.1 Mainline Traffic Lanes and Appurtenances

(1) Calculate the average sublot densities using the individual test results in each sublot.

- (2) If all subplot averages are no more than one percent below the target density, calculate the daily lot density by averaging the results of each random QC test taken on that day's material.
- (3) If any subplot average is more than one percent below the target density, do not include the individual test results from that subplot when computing the lot average density and remove that subplot's tonnage from the daily quantity for incentive. The tonnage from any such subplot is subject to disincentive pay as specified in standard spec 460.5.2.2.

B.4.2.2 Mainline Shoulders

B.4.2.2.1 Width Greater Than 5 Feet

- (1) Determine the pavement density as specified in B.4.2.1.

B.4.2.2.2 Width of 5 Feet or Less

- (1) If all subplot test results are no more than 3.0 percent below the minimum target density, calculate the daily lot density by averaging all individual test results for the day.
- (2) If a subplot test result is more than 3.0 percent below the target density, the engineer may require the unacceptable material to be removed and replaced with acceptable material or allow the nonconforming material to remain in place with a 50 percent pay reduction. Determine the limits of the unacceptable material according to B.4.3.

B.4.2.3 Side Roads, Crossovers, Turn Lanes, Ramps, and Roundabouts

- (1) Determine the pavement density as specified in B.4.2.1.

B.4.2.4 Documentation

- (1) Document QC density test data as specified in CMM 8.15. Provide the engineer with the data for each lot within 24 hours of completing the QC testing for the lot.

B.4.3 Corrective Action

- (1) Notify the engineer immediately when an individual test is more than 3.0 percent below the specified minimum in standard spec 460.3.3.1. Investigate and determine the cause of the unacceptable test result.
- (2) The engineer may require unacceptable material specified in B.4.3(1) to be removed and replaced with acceptable material or allow the nonconforming material to remain in place with a 50 percent pay reduction. Determine limits of the unacceptable area by measuring density of the layer at 50-foot increments both ahead and behind the point of unacceptable density and at the same offset as the original test site. Continue testing at 50-foot increments until a point of acceptable density is found as specified in standard spec 460.5.2.2(1). Removal and replacement of material may be required if extended testing is in a previously accepted subplot. Testing in a previously accepted subplot will not be used to recalculate a new lot density.
- (3) Compute unacceptable pavement area using the product of the longitudinal limits of the unacceptable density and the full subplot width within the traffic lanes or shoulders.
- (4) Retesting and acceptance of replaced pavement will be as specified in standard spec 105.3.
- (5) Tests indicating density more than 3.0 percent below the specified minimum, and further tests taken to determine the limits of unacceptable area, are excluded from the computations of the subplot and lot densities.
- (6) If two consecutive subplot averages within the same paving pass and same target density are more than one percent below the specified target density, notify the engineer and take necessary corrective action. Document the locations of such sublots and the corrective action that was taken.

B.5 Department Testing

B.5.1 Verification Testing

- (1) The department will have a HTCP certified technician, or ACT working under a certified technician, perform verification testing. The department will test randomly at locations independent of the contractor's QC work. The department will perform verification testing at a minimum frequency of 10 percent of the sublots and a minimum of one subplot per mix design. The sublots selected will be within the active work zone. The contractor will supply the necessary traffic control for the department's testing activities.
- (2) The QV tester will test each selected subplot using the same testing requirements and frequencies as the QC tester.

- (3) If the verification subplot average is not more than one percent below the specified minimum target density, use the QC tests for acceptance.
- (4) If the verification subplot average is more than one percent below the specified target density, compare the QC and QV subplot averages. If the QV subplot average is within 1.0 lb/ft³ of the QC subplot average, use the QC tests for acceptance.
- (5) If the first QV/QC subplot average comparison shows a difference of more than 1.0 lb/ft³ each tester will perform an additional set of tests within that subplot. Combine the additional tests with the original set of tests to compute a new subplot average for each tester. If the new QV and QC subplot averages compare to within 1.0 lb/ft³, use the original QC tests for acceptance.
- (6) If the QV and QC subplot averages differ by more than 1.0 lb/ft³ after a second set of tests, resolve the difference with dispute resolution specified in B.6. The engineer will notify the contractor immediately when density deficiencies or testing precision exceeding the allowable differences are observed.

B.5.2 Independent Assurance Testing

- (1) Independent assurance is unbiased testing the department performs to evaluate the department's verification and the contractor's QC sampling and testing including personnel qualifications, procedures, and equipment. The department will perform the independent assurance review according to the department's independent assurance program.

B.6 Dispute Resolution

- (1) The testers may perform investigation in the work zone by analyzing the testing, calculation, and documentation procedures. The testers may perform gauge comparison according to B.3.2.1.
- (2) The testers may use comparison monitoring according to B.3.2.2 to determine if one of the gauges is out of tolerance. If a gauge is found to be out of tolerance with its reference value, remove the gauge from the project and use the other gauge's test results for acceptance.
- (3) If the testing discrepancy cannot be identified, the contractor may elect to accept the QV subplot density test results or retesting of the subplot in dispute within 48 hours of paving. Traffic control costs will be split between the department and the contractor.
- (4) If investigation finds that both gauges are in error, the contractor and engineer will reach a decision on resolution through mutual agreement.

B.7 Acceptance

- (1) The department will not accept QMP HMA Pavement Nuclear Density if a non-compared gauge is used for contractor QC tests.

C (Vacant)

D (Vacant)

E Payment

E.1 QMP Testing

- (1) Costs for all sampling, testing, and documentation required under this special provision are incidental to the work. If the contractor fails to perform the work required under this special provision, the department may reduce the contractor's pay. The department will administer pay reduction under the Non-performance of QMP administrative item.

E.2 Disincentive for HMA Pavement Density

- (1) The department will administer density disincentives as specified in standard spec 460.5.2.3.

E.3 Incentive for HMA Pavement Density

- (1) The department will administer density incentives as specified in standard spec 460.5.2.3.
stp-460-020 (20181119)

7. Installing and Maintaining Bird Deterrent System Station 13+10 EB; Maintaining Bird Deterrent System Station 13+1 EB

A Description

This special provision describes inspecting, installing and/or maintaining approved deterrents that prevent migratory bird nesting on bridges and culverts. Swallows or other migratory birds' nests have been observed on or under the existing culvert or bridge at the station identified. All active nests (when eggs or young are present) of migratory birds are protected under the federal Migratory Bird Treaty Act. One deterrent system shall be installed and/or maintained for each applicable structure. Deterrent methods selected shall be appropriate for structure type, size and/or site-specific constraints.

B Materials

B.1 Hardware and Lumber

Lumber, hardware, and fastening devices shall be durable enough to last through the length of the nesting season. Fastening devices and deterrence system must be approved by the engineer prior to installation on culverts and bridges that will remain in service after removal of deterrent systems. The method of fastening should not compromise the culvert or bridge concrete surfaces or steel protection systems. The attachment locations must be restored and repaired as needed by use of engineer approved fillers, sealers and paint systems

B.2 Netting Materials

Exclusion netting is material either wrapped around or draped and fastened to bridge decks/abutments and culvert corners to prevent bird entry.

Furnish exclusionary netting to deter nesting in bridge decks and abutments and corners of box culverts, consisting of either:

- a. 1/2" x 1/2" or 3/4" x 3/4" knotless, flame resistant, U.V. stabilized polyethylene or polypropylene netting with minimum 40-pound breaking strength per strand, or engineer approved equal.
- b. Galvanized wire mesh (hardware cloth) with a wire diameter of .040 inches (19-gauge) and opening width of 1/2-inch.

At a minimum, use either 1" x 2" (nominal) lumber or 3/4" x 2" pressure treated plywood strips and of equal length as the netting.

B.3 Plastic Strip Curtain

Plastic strip curtains are strips of plastic attached to vertical surfaces in areas suitable for nesting.

Furnish 3-foot wide lengths of 6 mil minimum plastic sheeting with the lower 2 feet cut into vertical strips 2 inches wide.

At a minimum, use either 1" x 2" (nominal) lumber or 3/4" x 2" pressure treated plywood strips and staples to attach plastic strips to wood to fabricate the strip curtain.

Furnish concrete screws to attach strip curtain to structure.

B.4 Corner Slope Materials

Corner slopes are pieces of curved plastic placed in corners suitable for nesting. They are particularly effective in preventing nesting in top corners of box culverts.

Furnish U.V. stabilized pre-fabricated PVC or polycarbonate corner slopes from commercial bird-deterrent manufacturers or an approved equal.

C Construction

C.1 General

If active nests are observed after construction starts, or if a trapped bird or an active nest is found, stop work that may affect birds or their nests, and notify the engineer to consult with the Wisconsin Department of Natural Resources transportation liaison Matt Schaeve, at (920) 366-1544, or the department regional environmental coordinator Lisa Lumley, at (920) 360-6684.

Efforts should be made to release trapped birds, unharmed.

C.2 Nest Removal

Remove unoccupied nests prior to the beginning of the nesting season as designated in Prosecution and Progress. Nest removal involves the removal and disposal of unoccupied or partially constructed nests without eggs or nestlings. Removing all evidence of nesting (e.g. cleaning droppings from structures) eliminates a visual cue for a potential breeding location, especially for first-time breeders. Nest removal is

not a type of deterrent and does not prevent nest establishment but can delay the process. As such, it should only be used in conjunction with other methods. It cannot be used on its own to ensure compliance. Nest removal is not required if deterrents are installed before the start of the avoidance window unless nests interfere with successful installation of the deterrent.

Remove nests on the structure by scraping or pressure washing prior to established avoidance windows to deter nesting. Remove only unoccupied or partially constructed nests without eggs or nestlings. Remove newly built nests every two days before eggs are laid. Nest removal is intended to be used prior to and in conjunction with other nesting deterrents.

C.3 Exclusion Netting

C.3.1 Installation

Using concrete screws, anchor lumber to bridge or culvert along perimeter of intended netting. Fasten netting to lumber until netting is held taut. Eliminate any loose pockets or wrinkles that could trap and entangle birds. Ensure the net is pulled taut in order to prevent flapping in the wind, which results in tangles or breakage at mounting points.

For culverts, attach netting at a 45-degree angle at the culvert corner so it extends at least 12" below the corner.

C.4 Plastic Curtains

C.4.1 Installation

Attach plastic curtains along the entire length of vertical surface or corner on which nest building is to be deterred. Affix plastic curtain strips to treated lumber with staples spaced a minimum of 1 foot O.C. Wrap plastic curtains around lumber prior to attaching it to the structure to reduce the likelihood of it tearing out at the staples. Screw lumber into the underside of the bridge deck or top of box culvert with concrete screws placed 24-inches O.C. minimum.

C.5 Corner Slopes

C.5.1 Installation

Attach corner slopes to the structure per the manufacturer's recommendations. Use urethane-based adhesives if manufacturer supplied hardware or adhesives are not available or no recommendations are provided. Install end caps or seal ends of corner slopes to prevent entry of birds or other animals.

C.6 Inspection and Maintenance

Inspect bird deterrent devices every 2 weeks both during and prior to construction when deterrents have been installed to exclude birds prior to nesting windows, and after large storm events or high winds. Ensure that netting is taut, that no gaps or holes have formed, and that the nets are functioning properly. Ensure that corner slopes are not cracked or otherwise damaged and are functioning properly. Ensure that curtains are undamaged, with no tears, holes, or creases. Repair any damaged or loose deterrent devices. Inspect, maintain, and repair nesting deterrents whether installed by the contractor or others. Repair, replace, supplement deterrents as necessary with materials meeting the requirements of this specification.

Remove any unoccupied or partially constructed nests without eggs or nestlings.

Repair deterrents to prevent birds from attempting to nest again.

Record all inspection, removal, and maintenance activities. Provide inspection, removal and maintenance records to the engineer upon request.

C.7 Removal and Structure Repair

Maintain the deterrent until the engineer determines that the deterrent is deemed no longer necessary. Upon completion of the project, remove any remaining migratory bird deterrent from the project site. If the existing bridge or culvert is to remain after construction, restore and repair as needed by use of engineer approved fillers, sealers and paint systems.

str 999-200 (20220107)

8. Temporary Water Diversion B-44-0010 Station 13+00 EB

A Description

This special provision describes providing temporary water diversion for B-44-0010 during all stages of construction. Conform to the required Standard Specifications, Plan and the methods used must be approved in the Erosion Control Implementation Plan (ECIP).

B Materials

Furnish materials conforming to the necessary Standard Specifications based on the method of construction.

C Construction

General

Maintain channel flow at all times and minimize erosion into the existing stream using appropriate erosion control measures. Inspect Temporary Water Diversion(s) daily to ensure proper functioning and no erosion is occurring.

Ensure all portions of Temporary Water Diversion(s) accommodate the 2-year recurrence interval stream discharge. Provide overflow through the work zone for storms that exceed the 2-year flow. The 2-year recurrence interval stream discharges are as follows:

B-44-0010 Station 13+00 SB ### cubic feet per second.

Provide hydraulic calculations and temporary water diversion plan details at each required location. Include a summary of the Temporary Water Diversion duration at each required location. All methods of diversion, calculations and plans are subject to approval as part of the ECIP.

By-Pass Pumping

If by-pass pumping is used for Temporary Water Diversion, submit the means and methods proposed for to be used during construction for approval as part of the ECIP for each location it is required. Include the following in the ECIP: how the intake will be managed to not cause an increase in the background level turbidity during pumping, equipment pumping rate capabilities, discharge energy dissipation, and erosion controls. For by-pass pumping that will extend beyond one working day, the ECIP should also include how the work zone will be managed and protected, should the pump fail, be shut down due to unacceptable water quality, or storm water flows exceed the pumping rate of equipment. After the installation of the approved by-pass pumping operation, the contractor shall demonstrate that the means and methods will pump the water at an acceptable water quality prior to starting work that necessitates the by-pass pumping.

Temporary Channel

If a temporary channel is used for Temporary Water Diversion, submit the means and methods proposed to be used during construction for approval as part of the ECIP. Properly size pipes and channels to maintain channel flow. At a minimum, line the channel with select crushed material or other means approved by the engineer to stabilize the excavated channel at each end of the temporary bypass structure. Install an impervious barrier to isolate the connection of the temporary bypass channel from the existing channel and to isolate the new culvert work area from the temporary and existing channel to prevent the 2-year storm interval from back flowing in the work area.

Restoration

Once water flow has been restored to the final location, grade, shape and finish all disturbed areas to their original existing contours or what is shown in the plan.

NER-210-520 (20210716)

9. Select Crushed Material for Travel Corridor

A Description

This special provision describes furnishing and placing select crushed material to fill voids to create a wildlife travel corridor.

B Materials

Furnish select crushed material according to the pertinent requirements of standard spec 312. Material shall be clean and substantially free from material passing the No. 4 (4.75mm) sieve.

C Construction

Place the material after the heavy riprap has been completed. Place material such that voids in the finished surface are three inches or less in any dimension.

STSP'S Revised January 7, 2022

SPECIAL PROVISIONS

REPLACE (NO CHANGES)

1. Environmental Protection, Dewatering.

Add the following to standard spec 107.18:

If dewatering is required, treat the water to remove suspended sediments by filtration, settlement or other appropriate best management practice before discharge. The means and methods proposed to be used during construction shall be submitted for approval as part of the Erosion Control Implementation Plan for dewatering at each location it is required. The submittal shall also include the details of how the intake will be managed to not cause an increase in the background level turbidity before treatment and any additional erosion controls necessary to prevent sediments from reaching the project limits or wetlands and waterways. Guidance on dewatering can be found on the Wisconsin Department of Natural Resources website located in the Storm Water Construction Technical Standards, Dewatering Code #1061, "Dewatering". This document can be found at the WisDNR website:

http://dnr.wi.gov/topic/stormwater/standards/const_standards.html

2. Environmental Protection, Aquatic Exotic Species Control.

Exotic invasive organisms such as VHS, zebra mussels, purple loosestrife, and Eurasian water milfoil are becoming more prolific in Wisconsin and pose adverse effects to waters of the state. Wisconsin State Statutes 30.07, "Transportation of Aquatic Plants and Animals; Placement of Objects in Navigable Waters", details the state law that requires the removal of aquatic plants and zebra mussels each time equipment is put into state waters.

At construction sites that involve navigable water or wetlands, use the follow cleaning procedures to minimize the chance of exotic invasive species infestation. Use these procedures for all equipment that comes in contact with waters of the state and/or infested water or potentially infested water in other states.

Ensure that all equipment that has been in contact with waters of the state, or with infested or potentially infested waters, has been decontaminated for aquatic plant materials and zebra mussels before being used in other waters of the state. Before using equipment on this project, thoroughly disinfect all equipment that has come into contact with potentially infested waters. Guidelines from the Wisconsin Department of Natural Resources for disinfection are available at:

<http://dnr.wi.gov/topic/invasives/disinfection.html>

Use the following inspection and removal procedures:

1. Before leaving the contaminated site, wash machinery and ensure that the machinery is free of all soil and other substances that could possibly contain exotic invasive species;
2. Drain all water from boats, trailers, bilges, live wells, coolers, bait buckets, engine compartments, and any other area where water may be trapped;
3. Inspect boat hulls, propellers, trailers and other surfaces. Scrape off any attached mussels, remove any aquatic plant materials (fragments, stems, leaves, seeds, or roots), and dispose of removed mussels and plant materials in a garbage can before leaving the area or invested waters; and
4. Disinfect your boat, equipment and gear by either:
 - 4.1. Washing with ~212 F water (steam clean), or
 - 4.2. Drying thoroughly for five days after cleaning with soap and water and/or high pressure water, or
 - 4.3. Disinfecting with either 200 ppm (0.5 oz per gallon or 1 Tablespoon per gallon) Chlorine for 10-minute contact time or 1:100 solution (38 grams per gallon) of Virkon Aquatic for 20- to 30-minute contact time. Note: Virkon is not registered to kill zebra mussel veligers nor invertebrates like spiny water flea. Therefore, this disinfect should be used in conjunction with a hot water (>104° F) application.

Complete the inspection and removal procedure before equipment is brought to the project site and before the equipment leaves the project site.

stp-107-055 (20130615)

3. Temporary Stream Channel or Culvert.

If a temporary channel is needed for construction of the new structure, the diversion channel shall be lined with plastic or other non-erodible material, staked, and weighted down with clean stone. A temporary channel or culvert should convey as much flow as possible. At a minimum, the temporary diversion channel/culvert must pass baseflow (approximately a Q-2 year 24-hour storm event. If the waterway is particularly flashy, size the diversion accordingly. Additionally, the temporary channel/culvert should match stream depth and velocity as close as possible to allow the passage of migrating fish and aquatic species. Fish that become stranded in dewatered areas or temporary channels should be captured and returned to the active channel immediately.

4. Erosion Control Structures.

Within three calendar days after completing the excavation for a substructure unit, place riprap or other permanent erosion control items required by the contract or deemed necessary by the engineer around the unit at a minimum to a height equivalent to the calculated water elevation resulting from a storm that occurs on the average of once every two years (Q2) as shown on the plan, or as the engineer directs.

In the event that construction activity does not disturb the existing ground below the Q2 elevation, the above timing requirements for permanent erosion control shall be waived.

stp-107-070 (20191121)

5. Notice to Contractor, Notification of Demolition and/or Renovation No Asbestos Found.

John Reolke, License Number ALL-119523, inspected Structure B-44-0010 for asbestos on June 24, 2020. No regulated Asbestos Containing Material (RACM) was found on this structure. A copy of the inspection report is available from the Department Project Manager: Jesse Hansen (920) 492-5630.

In accordance with NR447 and DHS159, ensure that DNR or DHS receives a completed Notification of Demolition and/or Renovation (DNR Form 4500-113 (R 4/11), or subsequent revision) via U.S. mail, hand-delivery, or using the online notification system at least 10 working days before beginning any construction or demolition. Pay all associated fees. Provide a copy of the completed 4500-113 form to Jesse Hansen, (920) 492-5630, jesse.hansen@dot.wi.gov, and DOT BTS-ESS attn: Hazardous Materials Specialist, PO Box 7965, Madison, WI 53707-7965. In addition, comply with all local or municipal asbestos requirements.

Use the following information to complete WisDNR form 4500-113:

- Site Name: Structure B-44-0010, STH 125 over Mud Creek
- Site Address: 0.3M E JCT USH 41 to S
- Ownership Information: WisDOT Northeast Region, 944 Vanderperren Way, Green Bay, WI 54304
- Contact: Jesse Hansen
- Phone: (920) 492-5630
- Age: 69 years old. This structure was constructed in 1953
- Area: 5079 SF of deck

Insert the following paragraph in Section 6.g.:

If asbestos not previously identified is found or previously non-friable asbestos becomes crumbled, pulverized, or reduced to a powder, stop work immediately, notify the engineer, and the engineer will notify the department's Bureau of Technical Services at (608) 266-1476 for an emergency response as specified in standard spec 107.24. Keep material wet until it is abated or until it is determined to be non-asbestos containing material.

stp-107-125 (20120615)

6. QMP HMA Pavement Nuclear Density.

A Description

Replace standard spec 460.3.3.2 (1) and standard spec 460.3.3.2 (4) with the following:

- (1) This special provision describes density testing of in-place HMA pavement with the use of nuclear density gauges. Conform to standard spec 460 except as modified in this special provision.

(2) Provide and maintain a quality control program defined as all activities and documentation of the following:

1. Selection of test sites.
2. Testing.
3. Necessary adjustments in the process.
4. Process control inspection.

(3) Chapter 8 of the department's construction and materials manual (CMM) provides additional detailed guidance for QMP work and describes required procedures.

<https://wisconsindot.gov/rdwy/cmm/cm-08-00toc.pdf>

(4) The department's Materials Reporting System (MRS) software allows contractors to submit data to the department electronically, estimate pay adjustments, and print selected reports. Qualified personnel may obtain MRS software from the department's web site at:

<http://www.atwoodsystems.com/>

B Materials

B.1 Personnel

(1) Nuclear gauge owners and personnel using nuclear gauges shall comply with WisDOT requirements according to 460.3.3 and CMM 8-15.

B.2 Testing

(1) Conform to ASTM D2950 and CMM 8.15 for density testing and gauge monitoring methods. Conform to CMM 8-15.10.4 for test duration and gauge placement.

B.3 Equipment

B.3.1 General

(1) Furnish nuclear gauges according to CMM 8-15.2.

(2) Furnish nuclear gauges from the department's approved product list at

<https://wisconsindot.gov/Pages/doing-bus/eng-consultants/cnslt-rsrcs/tools/appr-prod/default.aspx>

B.3.2 Comparison of Nuclear Gauges

B.3.2.1 Comparison of QC and QV Nuclear Gauges

(1) Compare QC and QV nuclear gauges according to CMM 8-15.7.

B.3.2.2 Comparison Monitoring

(1) Conduct reference site monitoring for both QC and QV gauges according to CMM 8-15.

B.4 Quality Control Testing and Documentation

B.4.1 Lot and Sublot Requirements

B.4.1.1 Mainline Traffic Lanes, Shoulders, and Appurtenances

(1) Divide the pavement into lots and sublots for nuclear density testing according to CMM 8-15.10.2.

(2) Determine required number of tests according to CMM 8-15.10.2.1.

(3) Determine random testing locations according to CMM 8-15.10.3.

B.4.1.2 Side Roads, Crossovers, Turn Lanes, Ramps, and Roundabouts

(1) Divide the pavement into lots and sublots for nuclear density testing according to CMM 8-15.10.2.

(2) Determine required number of tests according to CMM 8-15.10.2.2.

(3) Determine random testing locations according to CMM 8-15.10.3.

B.4.2 Pavement Density Determination

B.4.2.1 Mainline Traffic Lanes and Appurtenances

(1) Calculate the average sublot densities using the individual test results in each sublot.

- (2) If all subplot averages are no more than one percent below the target density, calculate the daily lot density by averaging the results of each random QC test taken on that day's material.
- (3) If any subplot average is more than one percent below the target density, do not include the individual test results from that subplot when computing the lot average density and remove that subplot's tonnage from the daily quantity for incentive. The tonnage from any such subplot is subject to disincentive pay as specified in standard spec 460.5.2.2.

B.4.2.2 Mainline Shoulders

B.4.2.2.1 Width Greater Than 5 Feet

- (1) Determine the pavement density as specified in B.4.2.1.

B.4.2.2.2 Width of 5 Feet or Less

- (1) If all subplot test results are no more than 3.0 percent below the minimum target density, calculate the daily lot density by averaging all individual test results for the day.
- (2) If a subplot test result is more than 3.0 percent below the target density, the engineer may require the unacceptable material to be removed and replaced with acceptable material or allow the nonconforming material to remain in place with a 50 percent pay reduction. Determine the limits of the unacceptable material according to B.4.3.

B.4.2.3 Side Roads, Crossovers, Turn Lanes, Ramps, and Roundabouts

- (1) Determine the pavement density as specified in B.4.2.1.

B.4.2.4 Documentation

- (1) Document QC density test data as specified in CMM 8.15. Provide the engineer with the data for each lot within 24 hours of completing the QC testing for the lot.

B.4.3 Corrective Action

- (1) Notify the engineer immediately when an individual test is more than 3.0 percent below the specified minimum in standard spec 460.3.3.1. Investigate and determine the cause of the unacceptable test result.
- (2) The engineer may require unacceptable material specified in B.4.3(1) to be removed and replaced with acceptable material or allow the nonconforming material to remain in place with a 50 percent pay reduction. Determine limits of the unacceptable area by measuring density of the layer at 50-foot increments both ahead and behind the point of unacceptable density and at the same offset as the original test site. Continue testing at 50-foot increments until a point of acceptable density is found as specified in standard spec 460.5.2.2(1). Removal and replacement of material may be required if extended testing is in a previously accepted subplot. Testing in a previously accepted subplot will not be used to recalculate a new lot density.
- (3) Compute unacceptable pavement area using the product of the longitudinal limits of the unacceptable density and the full subplot width within the traffic lanes or shoulders.
- (4) Retesting and acceptance of replaced pavement will be as specified in standard spec 105.3.
- (5) Tests indicating density more than 3.0 percent below the specified minimum, and further tests taken to determine the limits of unacceptable area, are excluded from the computations of the subplot and lot densities.
- (6) If two consecutive subplot averages within the same paving pass and same target density are more than one percent below the specified target density, notify the engineer and take necessary corrective action. Document the locations of such sublots and the corrective action that was taken.

B.5 Department Testing

B.5.1 Verification Testing

- (1) The department will have a HTCP certified technician, or ACT working under a certified technician, perform verification testing. The department will test randomly at locations independent of the contractor's QC work. The department will perform verification testing at a minimum frequency of 10 percent of the sublots and a minimum of one subplot per mix design. The sublots selected will be within the active work zone. The contractor will supply the necessary traffic control for the department's testing activities.
- (2) The QV tester will test each selected subplot using the same testing requirements and frequencies as the QC tester.

- (3) If the verification subplot average is not more than one percent below the specified minimum target density, use the QC tests for acceptance.
- (4) If the verification subplot average is more than one percent below the specified target density, compare the QC and QV subplot averages. If the QV subplot average is within 1.0 lb/ft³ of the QC subplot average, use the QC tests for acceptance.
- (5) If the first QV/QC subplot average comparison shows a difference of more than 1.0 lb/ft³ each tester will perform an additional set of tests within that subplot. Combine the additional tests with the original set of tests to compute a new subplot average for each tester. If the new QV and QC subplot averages compare to within 1.0 lb/ft³, use the original QC tests for acceptance.
- (6) If the QV and QC subplot averages differ by more than 1.0 lb/ft³ after a second set of tests, resolve the difference with dispute resolution specified in B.6. The engineer will notify the contractor immediately when density deficiencies or testing precision exceeding the allowable differences are observed.

B.5.2 Independent Assurance Testing

- (1) Independent assurance is unbiased testing the department performs to evaluate the department's verification and the contractor's QC sampling and testing including personnel qualifications, procedures, and equipment. The department will perform the independent assurance review according to the department's independent assurance program.

B.6 Dispute Resolution

- (1) The testers may perform investigation in the work zone by analyzing the testing, calculation, and documentation procedures. The testers may perform gauge comparison according to B.3.2.1.
- (2) The testers may use comparison monitoring according to B.3.2.2 to determine if one of the gauges is out of tolerance. If a gauge is found to be out of tolerance with its reference value, remove the gauge from the project and use the other gauge's test results for acceptance.
- (3) If the testing discrepancy cannot be identified, the contractor may elect to accept the QV subplot density test results or retesting of the subplot in dispute within 48 hours of paving. Traffic control costs will be split between the department and the contractor.
- (4) If investigation finds that both gauges are in error, the contractor and engineer will reach a decision on resolution through mutual agreement.

B.7 Acceptance

- (1) The department will not accept QMP HMA Pavement Nuclear Density if a non-compared gauge is used for contractor QC tests.

C (Vacant)

D (Vacant)

E Payment

E.1 QMP Testing

- (1) Costs for all sampling, testing, and documentation required under this special provision are incidental to the work. If the contractor fails to perform the work required under this special provision, the department may reduce the contractor's pay. The department will administer pay reduction under the Non-performance of QMP administrative item.

E.2 Disincentive for HMA Pavement Density

- (1) The department will administer density disincentives as specified in standard spec 460.5.2.2.

E.3 Incentive for HMA Pavement Density

- (1) The department will administer density incentives as specified in standard spec 460.5.2.3.
stp-460-020 (20181119)

7. Installing and Maintaining Bird Deterrent System Station 13+10 EB; Maintaining Bird Deterrent System Station 13+1 EB

A Description

This special provision describes inspecting, installing and/or maintaining approved deterrents that prevent migratory bird nesting on bridges and culverts. Swallows or other migratory birds' nests have been observed on or under the existing culvert or bridge at the station identified. All active nests (when eggs or young are present) of migratory birds are protected under the federal Migratory Bird Treaty Act. One deterrent system shall be installed and/or maintained for each applicable structure. Deterrent methods selected shall be appropriate for structure type, size and/or site-specific constraints.

B Materials

B.1 Hardware and Lumber

Lumber, hardware, and fastening devices shall be durable enough to last through the length of the nesting season. Fastening devices and deterrence system must be approved by the engineer prior to installation on culverts and bridges that will remain in service after removal of deterrent systems. The method of fastening should not compromise the culvert or bridge concrete surfaces or steel protection systems. The attachment locations must be restored and repaired as needed by use of engineer approved fillers, sealers and paint systems

B.2 Netting Materials

Exclusion netting is material either wrapped around or draped and fastened to bridge decks/abutments and culvert corners to prevent bird entry.

Furnish exclusionary netting to deter nesting in bridge decks and abutments and corners of box culverts, consisting of either:

- a. 1/2" x 1/2" or 3/4" x 3/4" knotless, flame resistant, U.V. stabilized polyethylene or polypropylene netting with minimum 40-pound breaking strength per strand, or engineer approved equal.
- b. Galvanized wire mesh (hardware cloth) with a wire diameter of .040 inches (19-gauge) and opening width of 1/2-inch.

At a minimum, use either 1" x 2" (nominal) lumber or 3/4" x 2" pressure treated plywood strips and of equal length as the netting.

B.3 Plastic Strip Curtain

Plastic strip curtains are strips of plastic attached to vertical surfaces in areas suitable for nesting.

Furnish 3-foot wide lengths of 6 mil minimum plastic sheeting with the lower 2 feet cut into vertical strips 2 inches wide.

At a minimum, use either 1" x 2" (nominal) lumber or 3/4" x 2" pressure treated plywood strips and staples to attach plastic strips to wood to fabricate the strip curtain.

Furnish concrete screws to attach strip curtain to structure.

B.4 Corner Slope Materials

Corner slopes are pieces of curved plastic placed in corners suitable for nesting. They are particularly effective in preventing nesting in top corners of box culverts.

Furnish U.V. stabilized pre-fabricated PVC or polycarbonate corner slopes from commercial bird-deterrent manufacturers or an approved equal.

C Construction

C.1 General

If active nests are observed after construction starts, or if a trapped bird or an active nest is found, stop work that may affect birds or their nests, and notify the engineer to consult with the Wisconsin Department of Natural Resources transportation liaison Matt Schaeve, at (920) 366-1544, or the department regional environmental coordinator Lisa Lumley, at (920) 360-6684.

Efforts should be made to release trapped birds, unharmed.

C.2 Nest Removal

Remove unoccupied nests prior to the beginning of the nesting season as designated in Prosecution and Progress. Nest removal involves the removal and disposal of unoccupied or partially constructed nests without eggs or nestlings. Removing all evidence of nesting (e.g. cleaning droppings from structures) eliminates a visual cue for a potential breeding location, especially for first-time breeders. Nest removal is

not a type of deterrent and does not prevent nest establishment but can delay the process. As such, it should only be used in conjunction with other methods. It cannot be used on its own to ensure compliance. Nest removal is not required if deterrents are installed before the start of the avoidance window unless nests interfere with successful installation of the deterrent.

Remove nests on the structure by scraping or pressure washing prior to established avoidance windows to deter nesting. Remove only unoccupied or partially constructed nests without eggs or nestlings. Remove newly built nests every two days before eggs are laid. Nest removal is intended to be used prior to and in conjunction with other nesting deterrents.

C.3 Exclusion Netting

C.3.1 Installation

Using concrete screws, anchor lumber to bridge or culvert along perimeter of intended netting. Fasten netting to lumber until netting is held taut. Eliminate any loose pockets or wrinkles that could trap and entangle birds. Ensure the net is pulled taut in order to prevent flapping in the wind, which results in tangles or breakage at mounting points.

For culverts, attach netting at a 45-degree angle at the culvert corner so it extends at least 12" below the corner.

C.4 Plastic Curtains

C.4.1 Installation

Attach plastic curtains along the entire length of vertical surface or corner on which nest building is to be deterred. Affix plastic curtain strips to treated lumber with staples spaced a minimum of 1 foot O.C. Wrap plastic curtains around lumber prior to attaching it to the structure to reduce the likelihood of it tearing out at the staples. Screw lumber into the underside of the bridge deck or top of box culvert with concrete screws placed 24-inches O.C. minimum.

C.5 Corner Slopes

C.5.1 Installation

Attach corner slopes to the structure per the manufacturer's recommendations. Use urethane-based adhesives if manufacturer supplied hardware or adhesives are not available or no recommendations are provided. Install end caps or seal ends of corner slopes to prevent entry of birds or other animals.

C.6 Inspection and Maintenance

Inspect bird deterrent devices every 2 weeks both during and prior to construction when deterrents have been installed to exclude birds prior to nesting windows, and after large storm events or high winds. Ensure that netting is taut, that no gaps or holes have formed, and that the nets are functioning properly. Ensure that corner slopes are not cracked or otherwise damaged and are functioning properly. Ensure that curtains are undamaged, with no tears, holes, or creases. Repair any damaged or loose deterrent devices. Inspect, maintain, and repair nesting deterrents whether installed by the contractor or others. Repair, replace, supplement deterrents as necessary with materials meeting the requirements of this specification.

Remove any unoccupied or partially constructed nests without eggs or nestlings

Repair deterrents to prevent birds from attempting to nest again.

Record all inspection, removal, and maintenance activities. Provide inspection, removal and maintenance records to the engineer upon request.

C.7 Removal and Structure Repair

Maintain the deterrent until the engineer determines that the deterrent is deemed no longer necessary. Upon completion of the project, remove any remaining migratory bird deterrent from the project site. If the existing bridge or culvert is to remain after construction, restore and repair as needed by use of engineer approved fillers, sealers and paint systems.

stp-999-200 (20220107)

8. Temporary Water Diversion B-44-0010 Station 13+00 EB

A Description

This special provision describes providing temporary water diversion for B-44-0010 during all stages of construction. Conform to the required Standard Specifications, Plan and the methods used must be approved in the Erosion Control Implementation Plan (ECIP).

B Materials

Furnish materials conforming to the necessary Standard Specifications based on the method of construction.

C Construction

General

Maintain channel flow at all times and minimize erosion into the existing stream using appropriate erosion control measures. Inspect Temporary Water Diversion(s) daily to ensure proper functioning and no erosion is occurring.

Ensure all portions of Temporary Water Diversion(s) accommodate the 2-year recurrence interval stream discharge. Provide overflow through the work zone for storms that exceed the 2-year flow. The 2-year recurrence interval stream discharges are as follows:

B-44-0010 Station 13+00 EB: 500 cubic feet per second.

Provide hydraulic calculations and temporary water diversion plan details at each required location. Include a summary of the Temporary Water Diversion duration at each required location. All methods of diversion, calculations and plans are subject to approval as part of the ECIP.

By-Pass Pumping

If by-pass pumping is used for Temporary Water Diversion, submit the means and methods proposed for to be used during construction for approval as part of the ECIP for each location it is required. Include the following in the ECIP: how the intake will be managed to not cause an increase in the background level turbidity during pumping, equipment pumping rate capabilities, discharge energy dissipation, and erosion controls. For by-pass pumping that will extend beyond one working day, the ECIP should also include how the work zone will be managed and protected, should the pump fail, be shut down due to unacceptable water quality, or storm water flows exceed the pumping rate of equipment. After the installation of the approved by-pass pumping operation, the contractor shall demonstrate that the means and methods will pump the water at an acceptable water quality prior to starting work that necessitates the by-pass pumping.

Temporary Channel

If a temporary channel is used for Temporary Water Diversion, submit the means and methods proposed to be used during construction for approval as part of the ECIP. Properly size pipes and channels to maintain channel flow. At a minimum, line the channel with select crushed material or other means approved by the engineer to stabilize the excavated channel at each end of the temporary bypass structure. Install an impervious barrier to isolate the connection of the temporary bypass channel from the existing channel and to isolate the new culvert work area from the temporary and existing channel to prevent the 2-year storm interval from back flowing in the work area.

Restoration

Once water flow has been restored to the final location, grade, shape and finish all disturbed areas to their original existing contours or what is shown in the plan.

NER-210-020 (20210716)

9. Select Crushed Material for Travel Corridor

A Description

This special provision describes furnishing and placing select crushed material to fill voids to create a wildlife travel corridor.

B Materials

REPLACE (NO CHANGES)

Furnish select crushed material according to the pertinent requirements of standard spec 312. Material shall be clean and substantially free from material passing the No. 4 (4.75mm) sieve.

C Construction

Place the material after the heavy riprap has been completed. Place material such that voids in the finished surface are three inches or less in any dimension.



Wisconsin Department of Transportation

Northeast Region

Request for Proposals: Reference Information Documents

Addendum #1 ~~Original Issue~~

Town of Grand Chute, College Avenue

IH 41 – Bluemound Drive

STH 125, Outagamie County

Design-Build Project

State Design/Construction IDs: 6526-00-00/71

June 23 ~~May 12~~, 2022

RID MISCELLANEOUS REFERENCE	
PUBLIC INVOLVEMENT	Department e-file
65260000 Public Involvement Plan_UPDATED for Design Build.pdf	
ENVIRONMENTAL	Department e-file
6526-00-00 HazMat Report.pdf	
65260000 CEC_Final Signed 122121.pdf	
DNR Preliminary Concurrence_STH 125 DesignBuild_Mud Creek__6526-00-00.pdf	
Wetlands_Invasives.pdf	
6526-00-00_B-44-0010_STH 125-College Ave over Mud Creek_Outagamie County Asbestos Report 063020.pdf	
65260000 Final CEC Memo.pdf	
65260000 Wetland Impacts CEC_Slab Final Design-Wetland Impacts-Slab 042822.pdf	
65260000 WITF_Perm.xlsx	
UTILITIES	Department e-file
ANR-APPLETON TO GREEN BAY GAS LINE with Pothole Locations.pdf	
ANR-KEWASKUM TO DENMARK BAY GAS LINE with Pothole Locations.pdf	
ANR Kewaskum to Denmark_pp.dwg	
ANR Appleton to Green Bay_pp.dwg	
GEOTECHNICAL	Department e-file
B-44-0482-Site Investigation Report.pdf	

PAVEMENTS AND ROADWAY MATERIALS	Department e-file
PDR_2021_NER_STATE_65260000_STH 125_BRRPL.pdf	
Spencer_Kools_Nicolet_PDR Recommendations.pdf	
ROADWAYS	Department e-file
6526-00-71 STH 125 Plan Set.pdf	
<u>HYDRAULICS</u>	<u>Department e-file</u>
<u>B44_482_HecRAS.zip</u>	
<u>B-44-482_hydro.pdf</u>	
SIGNING, MARKING, TRAFFIC SIGNAL, AND LIGHTING	Department e-file
1 Site #440426 Workbook PROJECT Level Traffic Forecast_Final_Updates 041321.pdf	
6526-00-00 _STH 125_Traffic Forecast_June 2020.pdf	
Spencer_Kools_Nicolet Counts.zip	
<u>Large WIS 125 Closed Completely vs Base.pdf</u>	
<u>Large WIS 125 1-lane each direction I-41 to Westhaven vs Base.pdf</u>	
<u>Large WIS 125 1-lane each direction I-41 to Westhaven.pdf</u>	
<u>Large WIS 125 Closed Completely.pdf</u>	
<u>Large WIS 125 Base Condition.pdf</u>	
<u>S44-2016 20211019 USH 41 NB & STH 125.xlsm</u>	