

Note: It is expected that the Region will identify 90% of the problems and central office will identify the remaining 10%. Regardless, the Regions are responsible for preparing the addendum.

ADDENDUM DEVELOPMENT FORM

(See [FDM 19-22-1 A2 doc1](#) for a working copy of this document)

ADDENDUM DEVELOPMENT FORM

Letting Date:
 Proposal Number:
 Proposed Addendum No.:
 Project ID:
 Federal ID:
 Project Description:

Contact Person:
 Phone Number:
 Date:

PROGRAM TYPE (CHECK ONE):

- Local (205) Local (206) Local (211) Local (290)
 Major (302) State (303) SE (301ZO) Maint (305)
 ITSTBR (304) Other

TIME FOR ADDENDUM

Is there sufficient time to issue an addendum? Yes No

Note: Time defined as delivery of the addenda and the plans to the BPD's Proposal Management Section (refer to table below).

Timing of Addendum	On-Time	Late	Emergency
Delivery of addenda to BPD	8 am, two-Thursdays before the letting	Between 8 am two-Thursdays before and 2 pm the Thursday before the letting	After 2 pm the Thursday before the letting

Emergency Addenda, if processed, must be emailed to all eligible bidders and confirmation of receipt by the contractors must be received by BPD. It will be BPD's decision to process the addendum.

JUSTIFICATION CRITERIA FOR ADDENDUM DEVELOPMENT

Is addenda needed:

Would the contractor have problems preparing the bid? Yes No
 Would there be problems with awarding the bid? Yes No
 Would there be difficulty in preparing a change order? Yes No

Explain (address the consequences of not issuing the addenda measured in terms of cost, time or meeting project commitments):

WHO INITIATED THE ADDENDUM? (CHECK ALL THAT APPLY):

- Region Consultant Central Office Contractor

Please explain:

WHAT IS THE PRIMARY REASON(S) FOR THE ADDENDUM? (CHECK ALL THAT APPLY):

- Bid Items/Quantities (check all that apply)**
 Missing Bid Item(s) Quantity Error Wrong Bid Item(s) Wrong SPV (unit)
 Other

If any checked, please explain:

- Special Provisions (check all that apply)**
 Missing Articles Incorrect Article(s) Missing Language Other

If any checked, please explain:

- Plan Sheets (check all that apply)**
 Missing Plan Sheet(s) Change in SDD's or Sign Plates Missing Information
 Revising Misc. Quantities Structure Plan Revisions Other

If any checked, please explain:

- Design Related (check all that apply)**
 Standards changed Change in Project Scope Other

If any checked, please explain:

ADDENDUM INSTRUCTIONS:

Special Provisions

Revised Special Provisions (include Article No.)

Added Special Provisions (include Article No.)

Deleted Special Provisions (include Article No.)

Schedule of Items

Revised Bid Item Quantities					
Category	Bid Item	Item Description	Unit	Old Quantity	Revised Quantity

Added Bid Item Quantities					
Category	Bid Item	Item Description	Unit	Quantity	Unit Price

Deleted Bid Item Quantities				
Category	Bid Item	Item Description	Unit	Old Quantity

Plan Sheets

Revised Plan Sheets

Added Plan Sheets

Deleted Plan Sheets

Insert date "Month date, year"

Page 3

DOES THIS ADDENDUM CONTAIN CHANGES TO:

1. Structure Plans? Yes No

If yes, list Structure Numbers:

2. Special Provision revisions that affect structures? Yes No

If you answered "Yes" to either questions 1 or 2, you must re-Esubmit the relevant, revised component of the original Esubmit below. In the "Comments" section of the Esubmit, place a brief description of the addendum.

- **Plan Sheets:** Do not resubmit the entire plan set. Only re-submit the changed plan sheets. The changes to the plan sheet shall be in red font, and outlined by red clouding. The revision box shall also be filled in with red font. Each sheet shall be PE stamped, signed, and dated on the date of submittal.
- **Structure Design Computations:** The entire computation package with the revised computations shall be resubmitted. Do not submit just the portion of the computations that changed from the original submittal.
- **Structure Quantity Computations:** The entire quantity calculation package with the revised quantities shall be resubmitted. Do not submit just the quantity revision that changed from the original submittal.
- **Structure Special Provisions:** The official special provisions need to be submitted directly to BPD. Resubmit the special provision document for all special provisions pertaining to the structure to the Bureau of Structures (BOS). This document is for informational purposes only for the BOS.

If you have any other questions please contact Steve Revello or Najoua Ksontini as a backup.

Email: Steven.Revello@dot.wi.gov Phone: (608) 266-5095

Email: Najoua.Ksontini@dot.wi.gov Phone: (608) 266-2657

FHWA

Is this project subject to federal oversight for design? Yes No

If yes, the addendum will need approval from FHWA prior to posting. Please communicate with the FHWA Oversight Engineer prior to submitting the addenda to Proposal Management, so FHWA is aware that an addendum is going to be submitted for approval. After the addenda is processed, Proposal Management will coordinate with the FHWA Oversight Engineer for approval of the addendum. After approval, the addendum will be posted on the HCCI site.

Conclusion

No. of Bid Items Changed	Total no. of Bid Items in Plans
No. of Plan Sheets Changed	Total no. of Plan Sheets in Plans

Attach this completed form along with the completed addendum form and send to:
 Mailbox: - DOT DTSD BPD Proposal Management Section or email:
DOTDTSDBPDPProposalManagementSection@dot.wi.gov

Insert date "Month date, year"

Page 4

Addendum Development Form

Letting Date: May 13, 2014
 Proposal Number: 03
 Proposed Addendum No.: 01
 Project ID: 1390-04-79
 Federal ID: WISC 2014 890
 Project Description: Janesville – Fort Atkinson
 Town Line Road – CTH N
 STH 26
 Rock County

1390-04-89
 N/A
 City of Milton, Glacial River Trail
 STH 59 to Storrs Lake Rd
 Bike & Pedestrian Trail
 Rock County

Contact Person: John Doe
 Phone Number: 999-888-7777
 Date: April 22, 2014

PROGRAM TYPE (CHECK ONE):

- Local (205) Local (206) Local (211) Local (290)
 Major (302) State (303) SE (301ZO) Maint (305)
 ITSTBR (304) Other

TIME FOR ADDENDUM

Is there sufficient time to issue an addendum? Yes No

Note: Time defined as delivery of the addenda and the plans to the BPD's Proposal Management Section (refer to table below).

Timing of Addendum	On-Time	Late	Emergency
Delivery of addenda to BPD	8 am, two-Thursdays before the letting	Between 8 am two-Thursdays before and 2 pm the Thursday before the letting	After 2 pm the Thursday before the letting

Emergency Addenda, if processed, must be emailed to all eligible bidders and confirmation of receipt by the contractors must be received by BPD. It will be BPD's decision to process the addendum.

Justification Criteria For Addendum Development

Is addenda needed:

- Would the contractor have problems preparing the bid? Yes No
 Would there be problems with awarding the bid? Yes No
 Would there be difficulty in preparing a change order? Yes No

Explain (address the consequences of not issuing the addenda measured in terms of cost, time or meeting project commitments):

For the construction detail on sheet 52 for the Otter Creek re-alignment phase 2, 3 & 6 were revised after meeting with DNR to remove the requirement to have the new structures complete prior to connecting the existing stream into the new re-alignment because the grade difference between the north abutment of structure B-53-262 and the existing ground it would not be possible to build this abutment prior to disturbing the existing creek. DNR and WisDOT agreed that it will be best to construct the new re-aligned creek, stabilize connect to existing stream, and then construct structures B-53-262 & B-53-263.

Revised structure sheets 625, 630, 635, 648, 653, & 658 for B-53-262 & B-53-263 to include a note that explained how much pre-boring is estimated for each abutment.

Revised structure sheet 706 to reflect the correct elevation at the beginning of the wall.

Who Initiated the addendum? (check one):

- Region Consultant Central Office Contractor

Please explain: A contractor called when they noticed there was no bid item for removing old structure and the Geogrid Reinforcement was missing as well. The Region investigated and found other revisions were needed.

What is the primary reason(s) for the addendum? (check all that apply):

Bid Items/Quantities (check all that apply)

- Missing Bid Item(s) Quantity Error Wrong Bid Item(s) Wrong SPV (unit)
 Other

If any checked, please explain:

The quantity for bid items removing small pipe culverts, riprap light, and geotextile fabric Type R are incorrect and the contractor's bids would not reflect actual work required.

The quantity for bid item Excavation Common was incorrect as shown in the plans and the contractor's bids would not reflect actual work required.

Excavation Borrow was incorrect as shown in the plans and the contractor's bids would not reflect actual work required.

The quantity for bid item pre-boring (unconsolidated materials) was incorrect as shown in the plans and the contractor's bids would not reflect actual work required.

A quantity for removing old structure was missed in the plans and the contractor's bids would not include this item which will be necessary to complete the work.

A quantity for bid item Excavation Rock was missed in the plans and the contractor's bids would not include this item which will be necessary to complete the work.

A quantity for bid item Geogrid Reinforcement and special provision was missed in the plans and the contractor's bids would not include this item which will be necessary to complete the work.

Special Provisions (check all that apply)

- Missing Articles Incorrect Article(s) Missing Language Other

If any checked, please explain:

Special Provision Article 5 is modified to add the holiday restriction for Thanksgiving 2013.

Special Provision Article 6 is modified to include duct work installation along Storrs Lake Road by Alliant Energy.

The special provision for Terminal High-Tension Cable Guard TL-3, Item SPV.0060.13; High-Tension Cable Guard TL-3 Socketed, Item SPV.0090.03, paragraph 4 under **B.2 Design Requirements** was re-written to change the allowable deflection for the system from STA 268+40 – 303+50 to have a maximum deflection of 6' 8" feet versus 6' which was originally specified in the contract. It was brought to our attention by one of the proprietary manufacturers that these systems have not been crash tested and approved for a 6' deflection; therefore they could not provide a system that meets this requirement. By allowing a 6'8" deflection, the cable guard will still stay at least 19-inches from the travel lane if hit which was confirmed to be acceptable by Eric Emerson.

Special Provision Article 24 is being eliminated

A special provision for Geogrid Reinforcement, Item SPV.0180.03 is added.

Plan Sheets (check all that apply)

- Missing Plan Sheet(s) Change in SDD's or Sign Plates Missing Information
 Revising Misc. Quantities Structure Plan Revisions Other

If any checked, please explain:

Structure sheets 625, 630, 635, 648, 653, & 658 for B-53-262 & B-53-263 were revised to include a note that explained how much pre-boring is estimated for each abutment. Structure sheet 706 was revised to reflect the correct elevation at the beginning of the wall.

Design Related (check all that apply)

- Standards changed Change in Project Scope Other

If any checked, please explain:

Addendum Instructions:

Special Provisions

Revised Special Provisions (include Article No.)

5. Holiday Work Restrictions

6. Utilities

Added Special Provisions (include Article No.)

32. Geogrid Reinforcement, Item SPV.0180.03

Deleted Special Provisions (include Article No.)

24. Deleted

Schedule of Items

Revised Bid Item Quantities					
Category	Bid Item	Item Description	Unit	Old Quantity	Revised Quantity
0010	203.0100	Removing Small Pipe Culverts	EACH	27	24
0010	205.0100	Excavation Common	CY	1,433,184	1,412,127
0010	208.0100	Borrow	CY	203,626	223,722
0030	550.0010.S	Pre-boring (Unconsolidated Material)	LF	600	960
0010	606.0100	Riprap Light	CY	46	296.3
0010	645.0130	Geotextile Fabric Type R	SY	2911.4	3664.9

Added Bid Item Quantities					
Category	Bid Item	Item Description	Unit	Quantity	Unit Price
0010	203.0200.01	Removing Old Structure 01. Sta. 569+06	1	LS	1500.00
0010	203.0200.02	Removing Old Structure 02. Sta. 152+96'PV'	1	LS	1500.00
0010	203.0200.03	Removing Old Structure 03. Sta. 6+72'AH'	1	LS	1500.00
0010	205.0200	Excavation Rock	14500	CY	9.00
0010	SPV.0180	Geogrid Reinforcement	15000	SY	2.50

Deleted Bid Item Quantities				
Category	Bid Item	Item Description	Unit	Old Quantity

Plan Sheets

Revised Plan Sheets

625, 630, 635, 648, 653, 658, 706

Added Plan Sheets

N/A

Deleted Plan Sheets

N/A

DOES THIS ADDENDUM CONTAIN CHANGES TO:

3. Structure Plans? Yes No

If yes, list Structure Numbers: B-53-262, B-53-263

4. Special Provision revisions that affect structures? Yes No

If you answered "Yes" to either questions 1 or 2, you must re-Submit the relevant, revised component of the original Esubmit below. In the "Comments" section of the Esubmit, place a brief description of the addendum.

- **Plan Sheets**: Do not resubmit the entire plan set. Only re-submit the changed plan sheets. The changes to the plan sheet shall be in red font, and outlined by red clouding. The revision box shall also be filled in with red font. Each sheet shall be PE stamped, signed, and dated on the date of submittal.
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- **Structure Special Provisions**: The official special provisions need to be submitted directly to BPD. Resubmit the special provision document for all special provisions pertaining to the structure to the Bureau of Structures (BOS). This document is for informational purposes only for the BOS.

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Email: Steven.Revello@dot.wi.gov Phone: (608) 266-5095

Email: Najoua.Ksontini@dot.wi.gov Phone: (608) 266-2657

FHWA

Is this project subject to federal oversight for design? Yes No

If yes, the addendum will need approval from FHWA prior to posting. Please communicate with the FHWA Oversight Engineer prior to submitting the addenda to Proposal Management, so FHWA is aware that an

addendum is going to be submitted for approval. After the addenda is processed, Proposal Management will coordinate with the FHWA Oversight Engineer for approval of the addendum. After approval, the addendum will be posted on the HCCI site.

Conclusion

No. of Bid Items Changed	11	Total no. of Bid Items in Plans	340
No. of Plan Sheets Changed	7	Total no. of Plan Sheets in Plans	912

Attach this completed form along with the completed addendum form and send to:
Mailbox: - DOT DTSD BPD Proposal Management Section or email:
DOTDTSDBPDPProposalManagementSection@dot.wi.gov

(See [FDM 19-22-1, A4 doc1](#) for a working copy of this document)



Wisconsin Department of Transportation

Month DD, YYYY

Division of Transportation Systems Development

Bureau of Project Development
 4802 **Sheboygan** Avenue, Rm 601
 P O Box 7916
 Madison, WI 53707-7916

Telephone: (608) 266-1631
 Facsimile (FAX): (608) 266-8459

NOTICE TO ALL CONTRACTORS:

Proposal #xx:	Project ID, Federal ID Project Title Project Limit Route County	Project ID, Federal ID Project Title Project Limit Route County
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Letting of Letting Date

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

Special Provisions

Revised Special Provisions	
Article No.	Description

Added Special Provisions	
Article No.	Description

Deleted Special Provisions	
Article No.	Description

Schedule of Items

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total

Deleted Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total

Plan Sheets

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)

Added Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of why sheet was added)

Deleted Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of why sheet was deleted)

Other

(If necessary, describe any other miscellaneous changes here.)

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

Sincerely,

Mike Coleman

Proposal Development Specialist
Proposal Management Section

ADDENDUM NO. x

PROJECT ID

Month DD, YYYY

Special Provisions

x. xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

xx. xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

xx. xxxxxxxxxxxxxxxxxxxxxxxxxxxx, Item xxxxxxxxxxxx.

A Description

B Materials

C Construction

D Measurement

The department will measure xxxxxxxxxxxxxxxxxxxxxxxxxxxx by the xxxxxxxx, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
xxxxxxx	xx	xx

xx. xxxxxxxxxxxxxxxxxxxxxxxxxxxx, Item xxxxxxxxxxxx.

A Description

B Materials

C Construction

D Measurement

The department will measure xxxxxxxxxxxxxxxxxxxxxxxxxxxx by the xxxxxxxx, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
xxxxxxx	xx	xx

Schedule of Items

Attached, dated Month DD, YYYY, are the revised Schedule of Items Pages x, x, x, xx – xx, xx and xx.

Plan Sheets

The following 8½ x 11-inch sheets are attached and made part of the plans for this proposal:

Revised: x, xx, xx, xx, xxx, xxx, xxx, xxx and xxx.

Added: xxA, xxA, xxA-B and xxx.

END OF ADDENDUM



Wisconsin Department of Transportation

March 26, 2012

Division of Transportation Systems Development
 Bureau of Project Development
 4802 Sheboygan Avenue, Rm 601
 P O Box 7916
 Madison, WI 53707-7916

Telephone: (608) 266-1631
 Facsimile (FAX): (608) 266-8459

NOTICE TO ALL CONTRACTORS:

Proposal #03: 1390-04-79
Janesville – Fort Atkinson
Town Line Road – CTH N
STH 26
Rock County

1390-04-89, WISC 2012 159
City of Milton, Glacial River Trail
STH 59 to Storrs Lake Road
Bike & Pedestrian Trail
Rock County

Letting of April 10, 2012

This is Addendum No. 1, which provides for the following:

Special Provisions

Revised Special Provisions	
Article No.	Description
5	Holiday Work Restrictions
6	Utilities
43	Terminal High-Tension Cable Guard TL-3, Item SPV.0060.13; High-Tension Cable Guard TL-3 Socketed, Item SPV.0090.03

Added Special Provisions	
Article No.	Description
56	Geogrid Reinforcement, Item SPV.0080.03

Deleted Special Provisions	
Article No.	Description
24	Expansion Device, Structure B-53-250

Schedule of Items

Revised Bid Item Quantities – ID1390-04-79					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
203.0100	Removing Small Pipe Culverts	Each	27	24	25
205.0100	Excavation Common	CY	1,433,184	1,412,127	1,413,505
208.0100	Borrow	CY	203,626	223,722	223,722
550.0010.S	Pre-Boring (Unconsolidated Materials)	LF	600	960	2,430
606.0100	Riprap Light	CY	46	296.3	296.3
645.0130	Geotextile Fabric Type R	SY	2,911.4	3,664.9	3,664.9

Version 09-2011

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Added Bid Item Quantities – ID1390-04-79					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
203.0200.01	Removing Old Structure (569+06)	LS	0	1	1
203.0200.02	Removing Old Structure (152+96 'PV')	LS	0	1	1
203.0200.03	Removing Old Structure (6+72 'AH')	LS	0	1	1
205.0200	Excavation Rock	CY	0	14,500	14,500
SPV.0180.03	Geogrid Reinforcement	SY	0	15,000	15,000

Plan Sheets

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
51	Construction Details (deleted note from Detail of Medium Riprap "V" Bottom Ditch and from Detail of Medium Riprap Flat Bottom Ditch" * Excavation to be paid for as excavation common")
52	Construction Details – Otter Creek Realignment (revised Phase 2 note, revised Phase 3 note, revised Phase 6 note)
59	Construction Details (revised note 3 to read "For deflection criteria see special provisions")
250	Miscellaneous Quantities (Earthwork Summary – deleted comment in Division 1; corrected Division 2; revised location in Division 4; deleted comment in Division 4; corrected cut quantity in Division 5 for SB 26 and revised location to show "SB 26 Stage 4"; revised total common excavation quantity for Project ID 1390-04-79 and Total common exc. (both projects); corrected Borrow Excavation quantity (1390-04-79 & Both Projects). Revised notes 6 and 8. Deleted note 15 and added new note 15.)
251	Miscellaneous Quantities (revised quantity sheet to add item for removing old structure for existing box culverts at 569+06; 152+96 'PV'; & 6+72 'PV')
256	Miscellaneous Quantities (revised removing small pipe culvert quantity to remove quantities for culvert at 569+06; 152+96 'PV'; & 6+72 'AH')
266	Miscellaneous Quantities (added additional Light Riprap quantity and additional Geotextile fabric type R)
279	Miscellaneous Quantities (added Geogrid Reinforcement quantity table)
529	Structure B-53-250(revised quantity for item 550.0010.S Pre-boring (Unconsolidated Materials) from 600 to 960)
625	Structure B-53-262 (revised first note under Foundation Data)
630	Structure B-53-262 (revised Pile Note)
635	Structure B-53-262 (revised Pile Note)
648	Structure B-53-263 (revised first note under Foundation Data)
653	Structure B-53-263 (revised Pile Note)
658	Structure B-53-263 (revised Pile Note)
706	Structure R-53-028 (revised Begin Wall elevation)

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

Sincerely,

Richard R. Vela, P.E.

Proposal Development Engineer
 Proposal Management Section

ADDENDUM NO. 1

1390-04-79

March 26, 2012

Special Provisions

5. Holiday Work Restrictions.

Add the following to the end of the list of time periods for work restrictions:

- From Noon Wednesday, November 27, 2013 to 6:00 AM on Monday, December 2, 2013 for Thanksgiving.

6. Utilities.

*Add the following paragraph after the third paragraph of the **Alliant Energy – Electric** section:*

On the north side of Storrs Lake Road 3 feet south of the current Storrs Lake Road right-of-way, Alliant will be placing 250 feet of 5-inch duct at a depth of 5 feet, with poles installed at each end which a junction box located on the east side adjacent to each pole.

24. DELETED.

43. Terminal High-Tension Cable Guard TL-3, Item SPV.0060.13; High-Tension Cable Guard TL-3 Socketed, Item SPV.0090.03.

*Delete the fourth paragraph under **B.2 Design Requirements** and replace with the following:*

Provide a system from STA 246+00 – 267+40 to have a maximum deflection of 11 feet. Provide a system from STA 268+40 – 303+50 to have a maximum deflection of 6' 8" feet. Provide design documentation on how post spacing, radius of curve, direction of curve, and anchor spacing influences barrier deflection.

56. Geogrid Reinforcement, Item SPV.0180.03.

A Description

This special provision describes furnishing and installing geogrids for subgrade stabilization, base reinforcement, or pavement structure applications in accordance with the plans, section 645 of the standard specifications and as hereinafter provided.

B Materials

Provide geogrid that consists of either single or joined multiple layers of a uniform rectangular grid of bonded, formed, or fused polymer tensile strands crossing with a nominal right angle orientation. The polymer shall consist of polyester, polypropylene, polyamide, or polyethylene. The grid shall maintain dimensional stability during handling, placing, and installation. The geogrid shall be insect, rodent, mildew, and rot resistant. Minimum geogrid width shall be 6.0 feet.

Provide geogrid that complies with the following physical properties:

Test	Method	Value⁽¹⁾
Tensile Strength at 5% Strain, Both Principal Directions (lb/ft)	ASTM D 4595 ⁽²⁾	450 min.

Flexural Rigidity Both Principal Directions (mg-cm)	ASTM D 1388 ⁽³⁾	150,000 min.
Aperture Area (in ²)	Inside Measurement ⁽⁴⁾	5.0 max.
Aperture Dimension (in)	Inside Measurement ⁽⁴⁾	0.5 min.

⁽¹⁾All numerical values represent minimum/maximum average roll values, i.e. the average minimum test results on any roll in a lot should meet or exceed the minimum specified value.

⁽²⁾The tensile strength (T) of a joined multi-layered geogrid shall be computed using the following equation:

$$T = n(f) t$$

where

n = the number of individual layers in the joined multi-layered geogrid,

t = the tensile strength of a single layer of geogrid as determined using testing method ASTM D4595, and

f = reduction factor based on the number of layers comprising the multi-layered system and determined by the equation $f = 1.00 - [0.04(n-1)]$

⁽³⁾Values shall be determined by Option "A" (Cantilever Test) of testing method ASTM D1388 using test specimens that are 36 inches ± 0.04 inch long. Test specimen widths for differing geogrids shall be variable and equal to 1 element plus 1/2 the aperture width on both sides of the element. An element is defined as the minimum number of parallel strands that form a distinguishable repeating pattern.

⁽⁴⁾Aperture Area and Aperture Dimension for joined multi-layered geogrids shall be determined based on measurement of a single layer of geogrid.

Protect the geogrid from ultraviolet radiation and from damage due to shipping and handling. Keep the geogrid dry until it is installed. The geogrid rolls shall be clearly marked to identify the material contained.

Deliver a sample of the geogrid material to the engineer at least 10 days prior to its incorporation into the work. At the same time, furnish a manufacturer's Certified Report of Test or Analysis that verifies that the geogrid delivered for use on the work meets the above requirements. Samples of geogrid for test purposes will be obtained from the job site for each 10,000 square yards or portions thereof used on the contract.

C Construction

Prior to placement of the geogrid, bring the indicated placement surface to the required lines, grades, and dimensions as shown on the plans. Smooth and shape the surface to eliminate any rocks, clods, roots, or other items that may cause damage to the geogrid during placement or covering.

Place the geogrid on the prepared surface at the locations and to the limits as shown on the plans. After placement, pull the geogrid taut and secure it using pins, clips, staples, or other devices to prevent movement or displacement. Place parallel strips of geogrid with a minimum overlap of 6 inches. Lap butt joints between roll ends a minimum of 12 inches. Fasten all lapped sections together by using ties, straps, clips, or other devices to develop a secure joint that meets the approval of the engineer. No vehicles or construction equipment shall be permitted to operate directly on the geogrid.

Cover small rips, tears, or defects in the geogrid with an additional section of geogrid; secure the additional geogrid in place so that it overlaps the damaged area by at least 3 feet in all directions. Remove and replace geogrid sections with large rips, tears, defects, or other damage at the direction of the engineer. All costs to repair or replace damaged or defective geogrid shall be the responsibility of the contractor.

After placement, cover the geogrid to the indicated depth with the type of material required on the plans or in the special provisions. Placing, spreading, and compacting of this material shall comply with the applicable sections of the standard specifications or special provisions except that the initial lift of material placed on the geogrid must be at least 4 inches. Place, spread, and compact the required backfill material so that the geogrid is not displaced or damaged. The engineer may require changes in equipment and/or operations to prevent such damage or displacement.

D Measurement

The department will measure Geogrid Reinforcement by the square yard of surface area upon which the geogrid has been placed and accepted.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0180.03	Geogrid Reinforcement	SY

Payment is full compensation for furnishing, transporting, and installing the geogrid; furnishing and installing all devices and materials necessary to join or secure the geogrid in place; and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work.

Schedule of Items

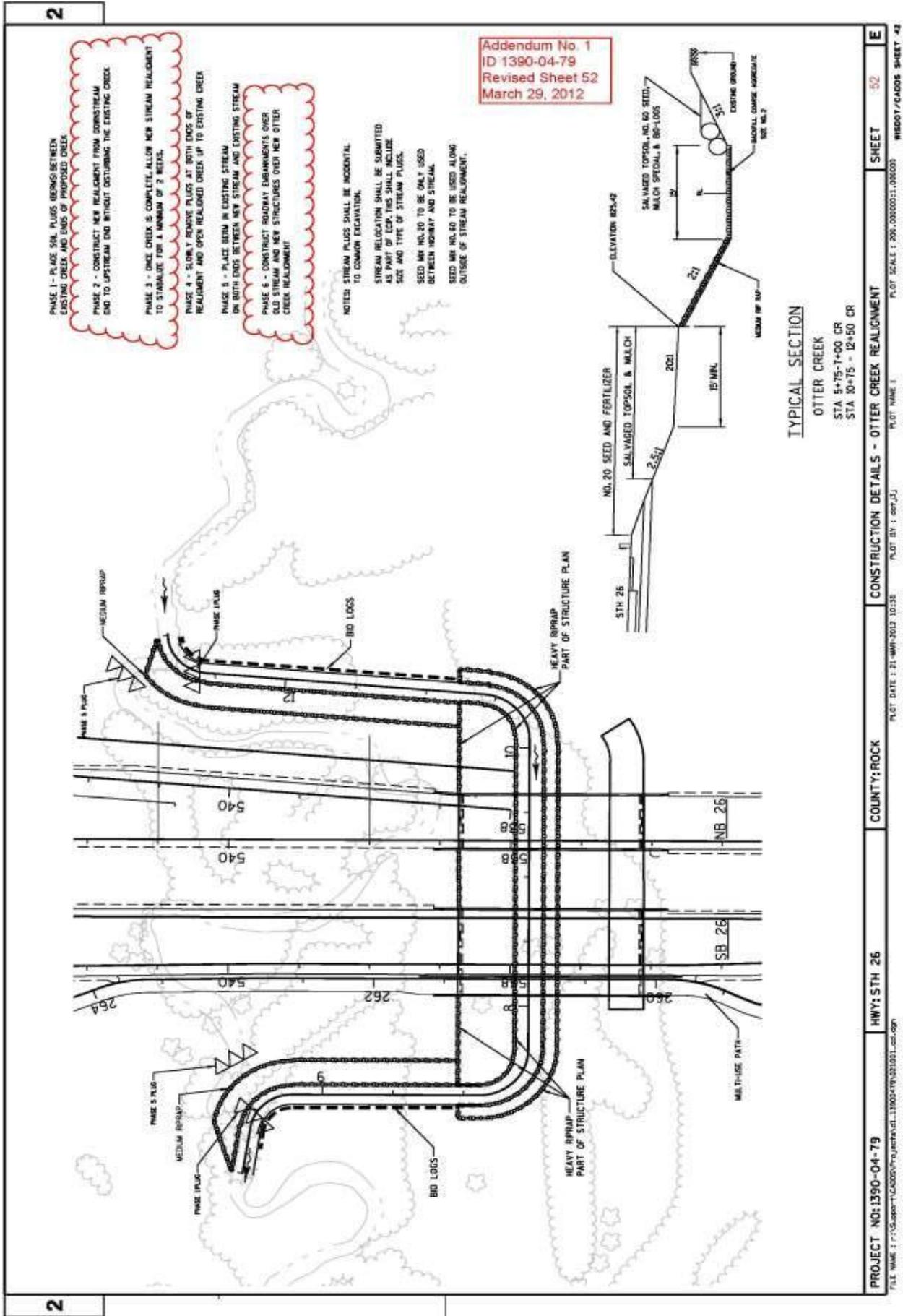
Attached, dated March 26, 2012, are the revised Schedule of Items Pages 1, 3, 4, 15, 16, 26 and 34.

Plan Sheets

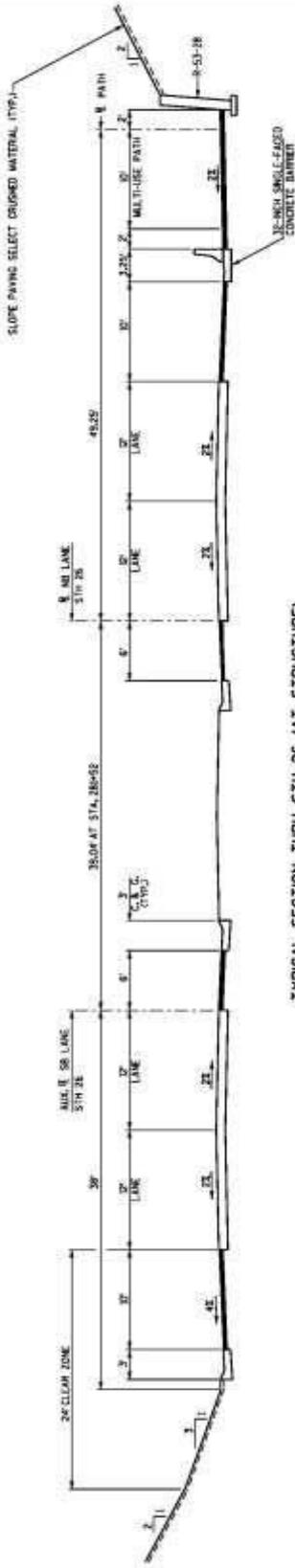
The following 8½ x 11-inch sheets are attached and made part of the plans for this proposal:

Revised: 51, 52, 59, 250, 251, 256, 266, 279, 529, 625, 630, 635, 648, 653, 658, and 706.

END OF ADDENDUM



STATE PROJECT NUMBER
1390-04-79



TYPICAL SECTION THRU STH 26 (AT STRUCTURE)

Addendum No. 1
ID 1390-04-79
Revised Sheet 529
March 26, 2012

TOTAL ESTIMATED QUANTITIES

BD ITEM NO.	BD ITEMS	UNIT	WEST ABUTMENT	PIER	EAST ABUTMENT	SUPER	TOTAL
204.000	EXCAVATION FOR STRUCTURES BRIDGES B-53-250	LS					1
205.000	BACKFILL STRUCTURE	CY	810	10	800	487	1,307
502.000	CONCRETE MASONRY BRIDGES	CY	82	10	103	487	682
503.300	EXPANSION DEVICE STRUCTURE B-53-250	LS					1
503.300	PROTECTIVE SURFACE TREATMENT	SF					1,475
503.017	PRESTRESSED CONCRETE TYPE 1729-INCH	LF					1,790
505.040	BAR STEEL REINFORCEMENT 15 BRIDGES	LB	6,660	1,450	6,460	8,470	18,070
505.040	BAR STEEL REINFORCEMENT 15 BRIDGES	LB	5,960	26,240	6,070	88,120	126,490
506.200	BEARING PADES ELASTOMERIC NON-LAMINATED	EACH		10			10
506.200	BEARING PADES ELASTOMERIC LAMINATED	EACH	5		5		10
506.400	STEEL DAMPERS B-53-250	EACH				8	8
512.090	FRAMING TUBULAR SCREENING B-53-250	LS					1
512.090	NUMBERED MEMBRANE WATERPROOFING	SF	17		17		34
512.090	ARCHITECTURAL SURFACE TREATMENT	SF	17	205	17	407	431
550.000.5	PRE-CAST CONCRETE UNCOLORED MATERIALS	LF	480	490	490	490	1,950
550.200.5	PRE-CAST CONCRETE 20" x 20" x 30" NON	LF	170	170	170	170	680
550.200.5	PRE-CAST CONCRETE 20" x 20" x 30" NON	LF	170	170	170	170	680
604.000	SLOPE PAVING SELECT CRUSHED MATERIAL	LF		1,000			1,000
612.000	PPE JOINTS	SF	10		10		20
612.000	PPE JOINTS	LF	10		10		20
612.000	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	2		2		4
	NON - BD ITEMS						
	FILLER	92E					1/2 B.V.

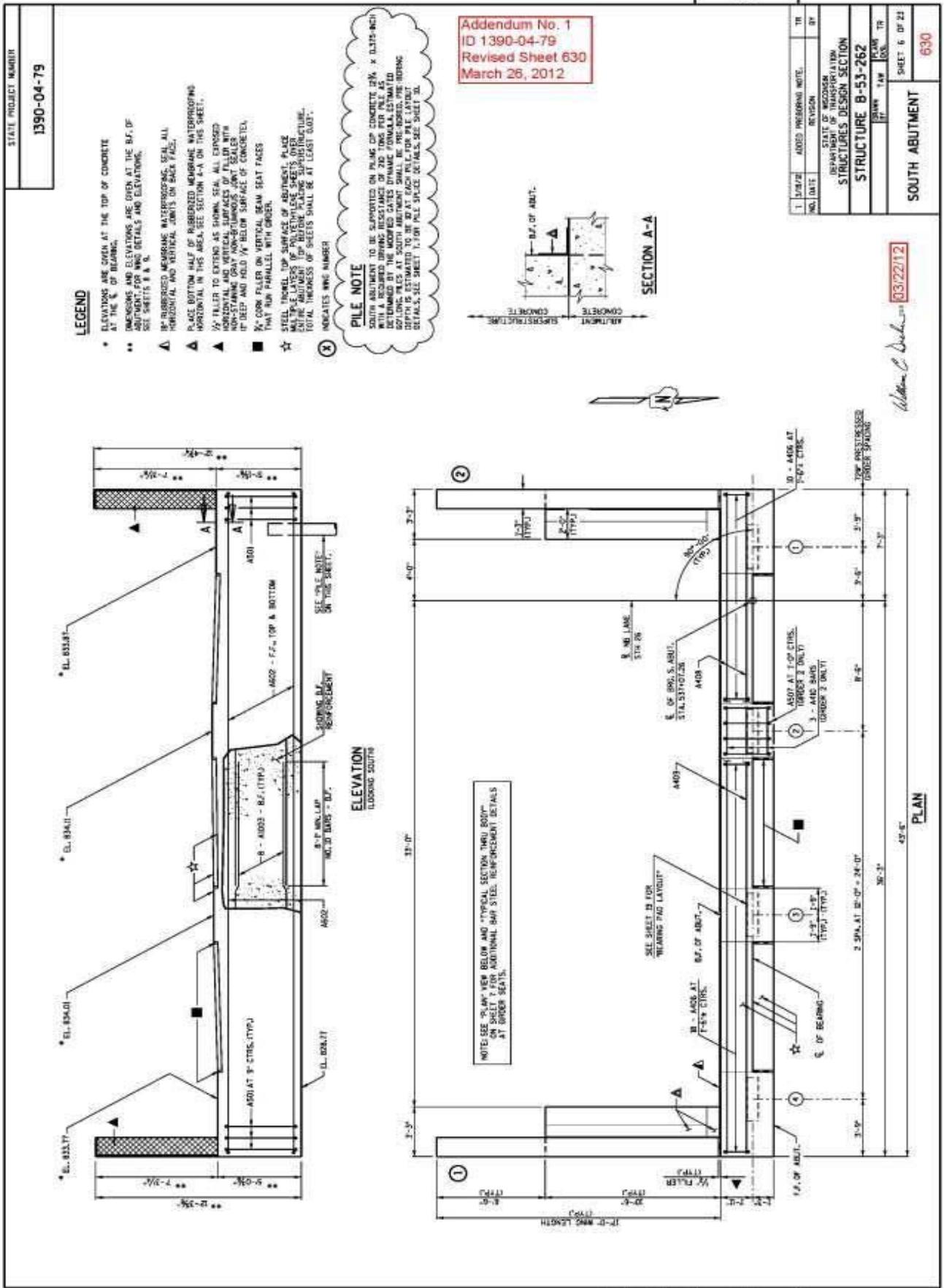
GENERAL NOTES

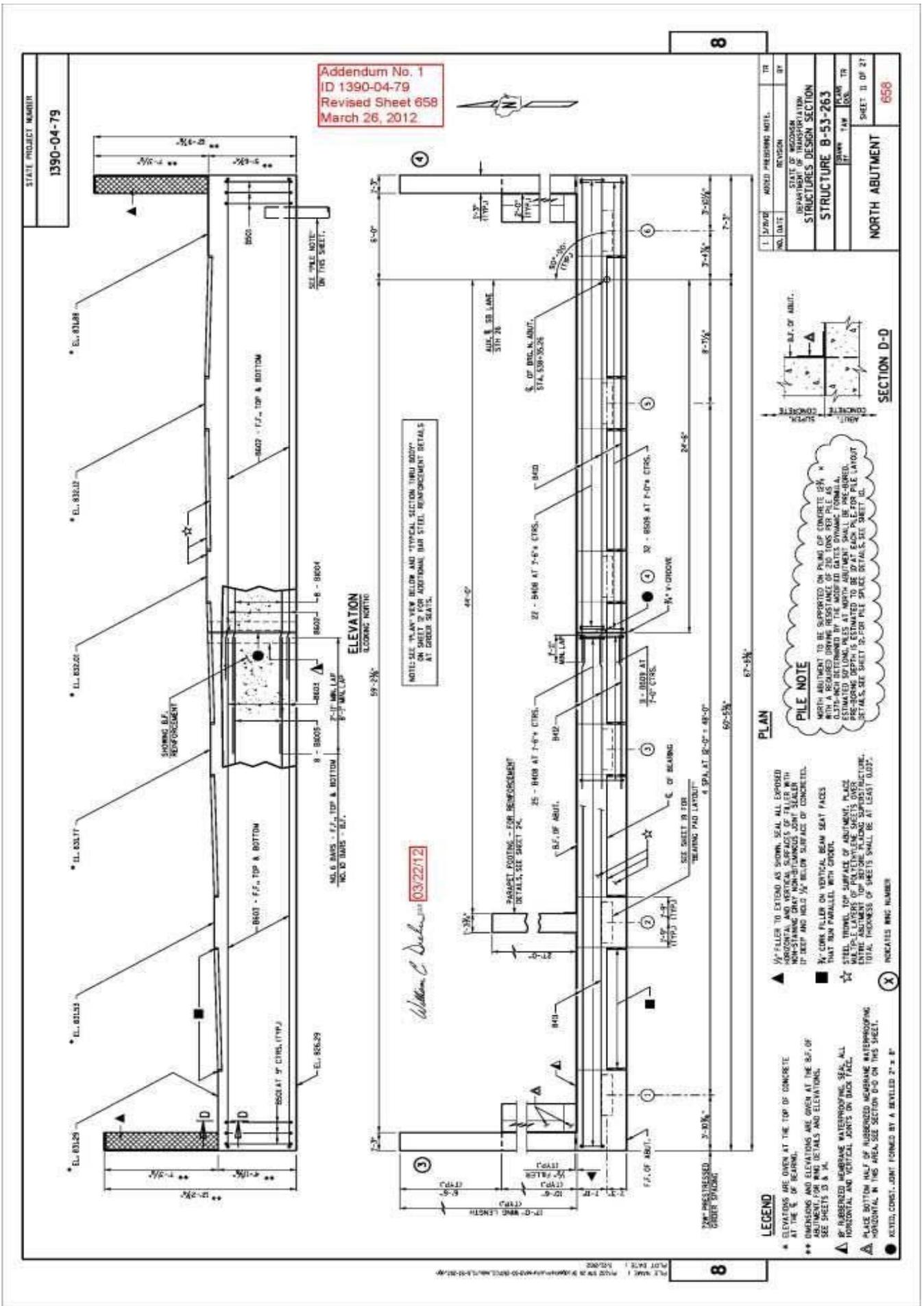
DRAWINGS SHALL NOT BE SCALED.
 BAR STEEL REINFORCEMENT SHALL BE UNCOLORED 2" CLEAR UNLESS SHOWN OR NOTED OTHERWISE.
 ALL DIMENSIONS SHALL BE TO THE FACE UNLESS NOTED OTHERWISE.
 THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH SLOPE PAVING CRUSHED AGGREGATE TO THE LIMITS SHOWN ON SHEET 4 ON THE ABUTMENT SHEETS OR AS DIRECTED BY THE ENGINEER.
 DOT BAR MARK SHOWS THE BAR SIZE.
 AT THE BACKFACE OF ABUTMENTS, ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE, SHALL BE BACKFILLED WITH BACKFILL STRUCTURE.
 THE UNCOLORED BRIDGES SECTION SHALL BE THE UPPER LIMITS OF EXCAVATION FOR THE BRIDGES.
 THE ELASTOMERIC BEARING PADES NON-LAMINATED NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE JOINT EDGES ARE SMOOTH AND TRUE.
 THE NUMBER CONCRETE QUANTITY IS BASED ON AN AVERAGE DEPTH OF 3/4" WHICH IS THE MINIMUM DEPTH REQUIRED FOR THE CONSTRUCTION OF THE BRIDGES.
 ALL STATIONS AND ALL ELEVATIONS ARE IN FEET.
 PROTECTIVE SURFACE TREATMENT IS TO BE APPLIED TO THE TOP OF THE BEAM, INSIDE FACE OF PARAPETS AND THE TOP OF THE PARAPETS, INCLUDING WIND PARAPETS.
 THE COAT OF THE FINISH PAINT TOP COAT FOR THE FENCING AND RAILING SHALL BE APPROVED BY THE ENGINEER.
 THE FINISH PAINT SHALL BE APPLIED TO THE FENCING AND RAILING APPROVED BY THE ENGINEER.
 THE FINISH PAINT SHALL BE APPLIED TO THE FENCING AND RAILING APPROVED BY THE ENGINEER.
 THE FINISH PAINT SHALL BE APPLIED TO THE FENCING AND RAILING APPROVED BY THE ENGINEER.

NO.	DATE	REVISION	QUANTITY	TR
1		CHANGED		

STATE OF WISCONSIN
 DEPARTMENT OF TRANSPORTATION
 STRUCTURES DESIGN SECTION
 STRUCTURE B-53-250
 SHEET 3 OF 32
 529

William C. Decker 03/27/12



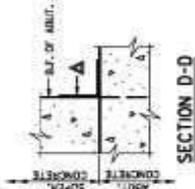


Addendum No. 1
ID 1390-04-79
Revised Sheet 658
March 26, 2012

NOTE: SEE PLAN VIEW BELOW AND TYPICAL SECTION THRU BODY ON SHEET 9 FOR ADDITIONAL REINFORCING DETAILS AT OTHER BAYS.

William C. Decker
03/22/12

STATE PROJECT NUMBER	1390-04-79
STRUCTURES DESIGN SECTION	
NORTH ABUTMENT	
SHEET 11 OF 27	658



PILE NOTE
NORTH ABUTMENT TO BE SUPPORTED ON PILES OF CONCRETE 24" DIA. WITH A REQUIRED DRIVING RESISTANCE OF 210 TONS PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. PRELIMINARY DEPTH IS ESTIMATED TO BE 40' AT EACH PILE. FOR PILE LAYOUT DETAILS, SEE SHEET 12 FOR PILE SPACING DETAILS. SEE SHEET 12.

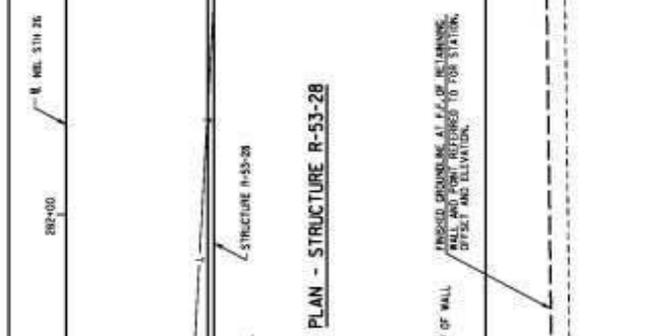
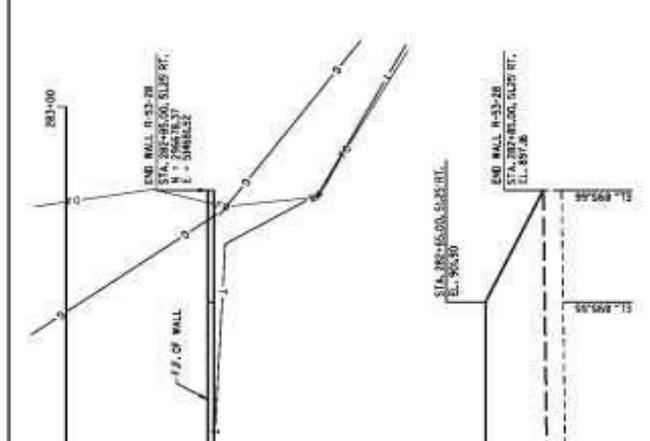
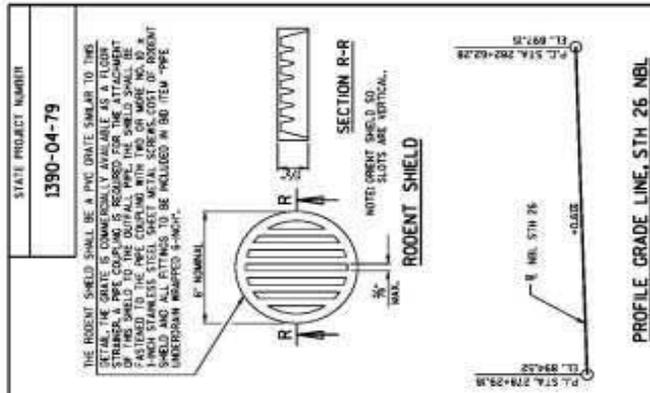
- LEGEND**
- ▲ ELEVATIONS ARE GIVEN AT THE TOP OF CONCRETE AT THE E. OF BEARING.
 - ** DIMENSIONS AND ELEVATIONS ARE GIVEN AT THE B.F. OF ABUTMENT FOR REIN. DETAILS AND ELEVATIONS. SEE SHEETS 13 & 14.
 - ▲ REINFORCED MEMBRANE WATERPROOFING, SEAL, ALL HORIZONTAL AND VERTICAL JOINTS ON BACK FACE.
 - ▲ PILE BOTTOM HALF OF RUBBERIZED MEMBRANE WATERPROOFING HORIZONTAL IN THIS AREA, SEE SECTION D-D ON THIS SHEET.
 - KEYED, CONST. JOINT FORMED BY A REVOLVED 2" x 8"
 - ▲ 1/2" FILLER TO EXTEND AS SHOWN, SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF FILLER WITH NON-STAINING DRY NON-BLENDING JOINT SEALER TO BEAPPLIED AND HOLD 1/2" BELOW SURFACE OF CONCRETE THAT IS PAID PARALLEL WITH CENTER.
 - 3" CORN FILLER ON VERTICAL BEAM SEAT FACES.
 - ☆ 3" CORN FILLER FOR SURFACE OF ABUTMENT PILE OVER ENTIRE ABUTMENT TOP SURFACE, INCLUDING STRUCTURE. TOTAL THICKNESS OF SHEETS SHALL BE AT LEAST 0.0375".
 - ⊗ INDICATES RING NUMBER.

PLAN

NOTE: SEE PLAN VIEW BELOW AND TYPICAL SECTION THRU BODY ON SHEET 9 FOR ADDITIONAL REINFORCING DETAILS AT OTHER BAYS.

SEE SHEET 12 FOR PILE LAYOUT DETAILS. SEE SHEET 12 FOR PILE SPACING DETAILS.

NO. DATE	APPROVED	REVISION



Addendum No. 1
 ID 1390-04-79
 Revised Sheet 705
 March 26, 2012

1	DATE	ADDED PREVIOUS NOTE	BY
Original Plans Prepared By			
STATE OF MISSOURI			
DEPARTMENT OF TRANSPORTATION			
ACCEPTED: CHIEF STRUCTURES DESIGN ENGINEER DATE			
STRUCTURE R-53-28			
WALL UNDER TOWN LINE ROAD BRIDGE			
COUNTY	ROCK	TOWNSHIP	MILTON
SECTION	STA. 281+00 TO 283+00	SCALE	1" = 10'-0"
DATE	03/27/12	DRAWN	TAM JOSE, TR
GENERAL PLAN			SHEET 1 OF 1
			705



GENERAL NOTES AND DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN PLANS, DETAILS, SPECIFICATIONS, AND BIDDING DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE MISSOURI DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE TECHNICAL ASSISTANCE TO THE MANUFACTURER DURING CONSTRUCTION. THE COST OF TURNING IN THESE DRAWINGS SHALL BE PAID BY THE CONTRACTOR. THE WALL SHALL BE MECHANICALLY STABILIZED EARTH.

A MINIMUM OF THREE LAYERS OF COMPACTED BASE AGGREGATE DENSE 1 1/4 INCH WALL SHALL BE PLACED UNDER THE WALL. THE WALL SHALL BE REINFORCED WITH ZONE REMOVAL OF MATERIAL IS INCLUDED IN BASE AGGREGATE DENSE.

PLANS, ELEVATIONS AND DETAILS SHOWN IN THESE DRAWINGS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND DETAILS. THE WALL SHALL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL IS TO BE DESIGNED USING THE ELEVATIONS SHOWN ON THIS SHEET.

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN ON THE CROSS SECTIONS.

CATCH OF BLOCK TO BE SELECTED BY THE INDIVIDUAL DESIGNER RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 120 P.S.F. DRAWINGS SHALL NOT BE SOLED.

R.A. - BACK FACE
 P.F. - FRONT FACE

FOR SURFACE EXPLORATION DETAILS, SEE SHEET 4 OF STRUCTURE R-53-28 PLANS.

TOTAL ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	100 SF	100 CY	100 LF
132.0000	WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH	100 SF	100 CY	100 LF
305.0021	BASE AGGREGATE DENSE 1 1/4 INCH	100 SF	100 CY	100 LF
102.0106	PPE UNDERMINER 6-INCH WRAPPED	100 SF	100 CY	100 LF

SAFETY FACTORS

MINIMUM DOT STANDARD	WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH
SLOW (FS0.1)	1.0
ORIENTING (FS0.2)	1.7
GLOBAL STABILITY (FS0.1)	1.9
ULTIMATE BEARING CAPACITY (FS0.2) BASED ON WALL WIDTHS & EMBLEMMENT DEPTHS SHOWN.	2.2

SOIL PARAMETERS

STATION LOCATIONS & SOIL DESCRIPTIONS	UNIT WEIGHT (pcf)	FRICTION ANGLE (DEGREES)	COHESION (pcf)
W.P. LL SOIL	120	30	0
RETAINED SOIL, **	125	30	0

** DESIGN WALL FOR THESE VALUES.

BRIDGE OFFICE CONTACT:
 WILLIAM BRIDGES, P.E.
 (573) 705-1474

03/27/12

William C. Bridges

Wisconsin Department of Transportation

PAGE: 1

DATE: 03/26/12

REVISED:

SCHEDULE OF ITEMS

CONTRACT:
20120410003

PROJECT(S):
1390-04-79
1390-04-89

FEDERAL ID(S):
N/A
WISC 2012159

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS

SECTION 0001 CONTRACT ITEMS

0010	201.0105 CLEARING	151.000				
	STA		.		.	
0020	201.0205 GRUBBING	151.000				
	STA		.		.	
0030	203.0100 REMOVING SMALL PIPE CULVERTS	25.000				
	EACH		.		.	
0040	204.0100 REMOVING PAVEMENT	33,100.000				
	SY		.		.	
0050	204.0120 REMOVING ASPHALTIC SURFACE MILLING	320.000				
	SY		.		.	
0060	204.0150 REMOVING CURB & GUTTER	6,050.000				
	LF		.		.	
0070	204.0170 REMOVING FENCE	7,370.000				
	LF		.		.	
0080	204.0220 REMOVING INLETS	34.000				
	EACH		.		.	
0090	204.0225 REMOVING SEPTIC TANKS	2.000				
	EACH		.		.	

Wisconsin Department of Transportation

PAGE: 3

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WISC 2012159

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0200	204.0265 ABANDONING WELLS	1.000 EACH	.	.	.	.
0210	205.0100 EXCAVATION COMMON	1,413,505 CY	.	.	.	.
0220	205.0400 EXCAVATION MARSH	18,835.000 CY	.	.	.	.
0230	206.1000 EXCAVATION FOR STRUCTURES BRIDGES (STRUCTURE) 01. B-53-250	LUMP	LUMP	.	.	.
0240	206.1000 EXCAVATION FOR STRUCTURES BRIDGES (STRUCTURE) 02. B-53-258	LUMP	LUMP	.	.	.
0250	206.1000 EXCAVATION FOR STRUCTURES BRIDGES (STRUCTURE) 03. B-53-259	LUMP	LUMP	.	.	.
0260	206.1000 EXCAVATION FOR STRUCTURES BRIDGES (STRUCTURE) 04. B-53-260	LUMP	LUMP	.	.	.
0270	206.1000 EXCAVATION FOR STRUCTURES BRIDGES (STRUCTURE) 05. B-53-261	LUMP	LUMP	.	.	.
0280	206.1000 EXCAVATION FOR STRUCTURES BRIDGES (STRUCTURE) 06. B-53-262	LUMP	LUMP	.	.	.

Wisconsin Department of Transportation

PAGE: 4

DATE: 03/26/12

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PROJECT(S):
1390-04-79
1390-04-89

FEDERAL ID(S):
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WISC 2012159

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0290	206.1000 EXCAVATION FOR STRUCTURES BRIDGES (STRUCTURE) 07. B-53-263	LUMP	LUMP			.
0300	206.1000 EXCAVATION FOR STRUCTURES BRIDGES (STRUCTURE) 08. B-53-264	LUMP	LUMP			.
0310	208.0100 BORROW	223,722.000 CY		.		.
0320	209.0300.S BACKFILL COARSE AGGREGATE (SIZE) 01. NO. 2	70.000 CY		.		.
0330	210.0100 BACKFILL STRUCTURE	5,560.000 CY		.		.
0340	213.0100 FINISHING ROADWAY (PROJECT) 01. 1390-04-79	1.000 EACH		.		.
0350	213.0100 FINISHING ROADWAY (PROJECT) 02. 1390-04-89	1.000 EACH		.		.
0360	214.0100 OBLITERATING OLD ROAD	11.000 STA		.		.
0370	305.0110 BASE AGGREGATE DENSE 3/4-INCH	16,250.000 TON		.		.
0380	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH	288,990.000 TON		.		.

Wisconsin Department of Transportation

PAGE: 15

DATE: 03/26/12

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20120410003

PROJECT(S):
1390-04-79
1390-04-89

FEDERAL ID(S):
N/A
WISC 2012159

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1360	550.0010.S PRE-BORING (UNCONSOLIDATED MATERIALS)	2,430.000 LF	.	.	.	.
1370	550.0020.S PRE-BORING (ROCK)	475.000 LF	.	.	.	.
1380	550.1120.S PILING STEEL HP 12-INCH X 53 LB	850.000 LF	.	.	.	.
1390	550.2106.S PILING CIP CONCRETE 10 3/4 X 0.365-INCH	1,440.000 LF	.	.	.	.
1400	550.2126.S PILING CIP CONCRETE 12 3/4 X 0.375-INCH	7,150.000 LF	.	.	.	.
1410	601.0150 CONCRETE CURB INTEGRAL TYPE D	745.000 LF	.	.	.	.
1420	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A	425.000 LF	.	.	.	.
1430	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D	11,405.000 LF	.	.	.	.
1440	601.0551 CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE A	258.000 LF	.	.	.	.
1450	601.0553 CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE D	5,895.000 LF	.	.	.	.
1460	602.0405 CONCRETE SIDEWALK 4-INCH	20,395.000 SF

Wisconsin Department of Transportation

PAGE: 16

DATE: 03/26/12

REVISED:

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1390-04-89

FEDERAL ID(S):
N/A
WISC 2012159

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1470	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW	220.000 SF	.	.	.	.
1480	603.1142 CONCRETE BARRIER TYPE S42	1,900.000 LF	.	.	.	.
1490	603.8000 CONCRETE BARRIER TEMPORARY PRECAST DELIVERED	325.000 LF	.	.	.	.
1500	603.8125 CONCRETE BARRIER TEMPORARY PRECAST INSTALLED	575.000 LF	.	.	.	.
1510	604.0400 SLOPE PAVING CONCRETE	700.000 SY	.	.	.	.
1520	604.0600 SLOPE PAVING SELECT CRUSHED MATERIAL	1,725.000 SY	.	.	.	.
1530	606.0100 RIPRAP LIGHT	296.300 CY	.	.	.	.
1540	606.0200 RIPRAP MEDIUM	1,597.000 CY	.	.	.	.
1550	606.0300 RIPRAP HEAVY	1,805.000 CY	.	.	.	.
1560	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH	50.000 LF

Wisconsin Department of Transportation

PAGE: 26

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1390-04-89

FEDERAL ID(S):
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WISC 2012159

CONTRACTOR :

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
2540	643.2000 TRAFFIC CONTROL DETOUR (PROJECT) 01. 1390-04-79	1.000 EACH	.	.	.	.
2550	643.3000 TRAFFIC CONTROL DETOUR SIGNS	21,100.000 DAY	.	.	.	.
2560	645.0120 GEOTEXTILE FABRIC TYPE HR	3,110.000 SY	.	.	.	.
2570	645.0130 GEOTEXTILE FABRIC TYPE R	3,664.900 SY	.	.	.	.
2580	645.0140 GEOTEXTILE FABRIC TYPE SAS	150.000 SY	.	.	.	.
2590	646.0106 PAVEMENT MARKING EPOXY 4-INCH	233,190.000 LF	.	.	.	.
2600	646.0126 PAVEMENT MARKING EPOXY 8-INCH	2,240.000 LF	.	.	.	.
2610	646.0600 REMOVING PAVEMENT MARKINGS	4,650.000 LF	.	.	.	.
2620	646.0841.S PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 4-INCH	1,110.000 LF	.	.	.	.
2630	646.0843.S PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH	4,995.000 LF

Wisconsin Department of Transportation

PAGE: 34

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1390-04-89

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
3320	SPV.0180 SPECIAL 02. SUBSOILING SPECIAL INFILTRATION DITCH	12,350.000 SY	.	.	.	.
3330	203.0200 REMOVING OLD STRUCTURE (STATION) 01. STA 569+06	LUMP	LUMP	.	.	.
3340	203.0200 REMOVING OLD STRUCTURE (STATION) 02. STA 152+96 'PV'	LUMP	LUMP	.	.	.
3350	203.0200 REMOVING OLD STRUCTURE (STATION) 03. STA 6+72 'AH'	LUMP	LUMP	.	.	.
3360	205.0200 EXCAVATION ROCK	14,500.000 CY	.	.	.	.
3370	SPV.0180 SPECIAL 03. GEOGRID REINFORCEMENT	15,000.000 SY	.	.	.	.
SECTION 0001 TOTAL			.	.	.	.
TOTAL BID			.	.	.	.