#### **DOCUMENT 00 00 11**

# ADDENDUM NO. 1 May 20, 2019

# Town of Buffalo - Great River State Trail Winona Connector 7224-00-72 - Non-Highway Buffalo County, Wisconsin THIS PROJECT IS FEDERALLY FUNDED

**SEH No. BUFFC 141867** 

From: Short Elliott Hendrickson Inc. 10 North Bridge Street

Chippewa Falls, WI 54729-2550

715.720.6200

To: Document Holders

DOCUMENT HOLDERS on the above-named project are hereby notified that this document shall be appended to, take precedence over and become part of the original bidding documents dated May 2, 2019 for this work. Bids submitted for the construction of this work shall conform to this document.

This addendum consists of 1 page and attached Drawing No. 49 and 52.

#### **Changes to Bidding Requirements:**

 Document 00 41 00 Bid Form: Article 3 Basis of Bid, Item 801.0117, Railroad Flagging Reimbursement: Bid Unit Price \$1.

#### **Changes to Appendix - Special Provisions:**

2. Special Provisions: 3. Prosecution and Progress: Delete the following paragraphs:

The schedule of operations as required under Standard Spec 108.9.2 shall provide for completion of Structures B-06-500, B-06-501 and B-6-055 by November 30, 2019.

When, in the fall of 2019, after completion of the structures B-06-500, B-06-501 and B-6-055, and weather conditions or seasonal restrictions preclude the satisfactory performance of further work under this contract, the engineer will, in writing, suspend operations until the spring of 2020. Construction operations shall be resumed in the spring of 2020 within ten days after the date on which a written order to do so has been issued by the engineer.

#### **Changes to Drawings:**

- Drawing No. 49 Structure Plans (Sheet 2 or 3) Retaining Wall 10+00: Replace in its entirety.
- 4. Drawing No. 52 Structure Plans (Sheet 2 of 3) Retaining Wall 20+00: Replace in its entirety.

Note: Receipt of this Addendum No. 1 (dated May 20, 2019) shall be acknowledged on Page 00 41 00-6 of the submitted Bid Form. Failure to do so may subject Bidder to disgualification.

**END OF ADDENDUM** 

THE REQUIRED ALIGNMENTS AND DETAILS.

3. THE RETAINING WALL IS TO BE DESIGNED USING THE ELEVATION

4. A LIVE LOAD SURCHARGE OF 100 PSF IS USED FOR DESIGN.

Addendum No. ID 7224-00-72 Revised Sheet 4 May 20, 2019 49

- 1. WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH.

# **GENERAL NOTES**

- HAVE BEEN RECEIVED AND APPROVED PRIOR TO COMMENCING CONSTRUCTION.
- 3. OVER EXCAVATION IS INCIDENTAL TO WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH LRFD/OMP 10+00, ITEM SPV.0165.01.

## TOTAL ESTIMATED QUANTITIES

	BID ITEM NUMBERS	BID ITEMS	UNIT	TOTALS
1	SPV.0165.01	WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH LRFD/QMP 10+00	SF	192
2	310.0115	BASE AGGREGATE OPEN GRADED	CY	12
2	612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	40
2	616.0204	FENCE CHAIN LINK 4-FT	LF	36
2	645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	45
2	SPV.0060.01	CHAIN LINK FENCE POST SURFACE MOUNT ANCHOR SLEEVE	EA	6

# **DESIGN DATA**

- THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE
- 2. PLANS, ELEVATIONS AND DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTH, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO
- GIVEN ON THE MSE WALL PLAN AND ELEVATION VIEW SHEET.

# ALLOWABLE WALL SYSTEMS

- 2. WALL FACING UNITS TO CONSIST OF PRECAST MODULAR CONCRETE BLOCKS PRODUCED BY A WETCAST PROCESS.

- 1. CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL REQUIRED SUBMITTALS
- 2. MSE = MECHANICALLY STABILIZED EARTH.

	BID ITEM NUMBERS	BID ITEMS	UNIT	TOTALS
1	SPV.0165.01	WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH LRFD/QMP 10+00	SF	192
2	310.0115	BASE AGGREGATE OPEN GRADED	CY	12
2	612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	40
2	616.0204	FENCE CHAIN LINK 4-FT	LF	36
2	645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	45
2	SPV.0060.01	CHAIN LINK FENCE POST SURFACE MOUNT ANCHOR SLEEVE	EΑ	6
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NO. DATE

REVISION

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION RETAINING WALL 10+00

1 QUANTITY IS HT OF WALL - BOTTOM OF THE WALL TO THE TOP OF THE WALL.

2 ADDITIONAL QUANTITY SHOWN ELSEWHERE IN THE PLAN

# CAPACITY DEMAND RATIO (CDR)

SOIL PARAMETERS

(PCF)

115

115

COHESION

(PCF)

ANGLE

(DEGREES)

32

MINIMUM DOT STANDARD	CALCULATED CDR ( ≥ 1.0 REQUIRED )
SLIDING	2.39
BEARING RESISTANCE	4.65
ECCENTRICITY	2.88
GLOBAL STABILITY	1.00

FENCE CHAIN LINK 4-FT CENTERED -ON POURED IN PLACE CONC CAP

FOUNDATION

SOIL ZONE-

POURED IN PLACE CONC CAP

BACKFILL TYPE A AS SPECIFIED IN PROVISIONS

RETAINED SOIL ZONE-

OVER EXCAVATE UNSUITABLE MATERIAL AS DIRECTED BY THE ENGINEER AND BACKFILL WITH OPEN GRADED BASE. WRAP OPEN GRADED

BASE IN GEOTEXTILE FABRIC, TYPE DF SCHEDULE A

BACKFILL TYPE B AS SPECIFIED IN PROVISIONS-

PIPE UNDERDRAIN WRAPPED 6-INCH-

(CONTINUOUS) (SEE MISC DETAILS) -

D/2D/2

24"

MIN

1'-0"

MIN.

TYPICAL SECTION STA 10+00.00 TO STA 10+35.90

-CHAIN LINK FENCE POST SURFACE MOUNT ANCHOR SLEEVE (SEE DETAIL)

-TOP OF WALL - POINT REFERRED TO ON MSE WALL ELEVATION VIEW

6" UNREINFORCED CONCRETE LEVELING PAD

FRONT FACE OF WALL

1" SETBACK MAX

6" MIN.

STRATUM LOCATION &

SOIL DESCRIPTIONS

\* DESIGN WALL FOR THESE VALUES

FOUNDATION SOIL ZONE (SAND) \*

RETAINED SOIL ZONE \*

TOP OF WALL - EL 666.00

BOTTOM OF WALL - EL 660.67 (TOP OF LEVELING PAD)

-FINISHED GRADE AT FRONT FACE OF WALL - POINT REFERRED TO ON MSE WALL ELEVATION VIEW

-BOTTOM OF WALL - POINT REFERRED TO ON MSE WALL ELEVATION VIEW

8

BY

PLANS CK'D. HDF/WSV SHEET 2 OF 3

- THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE
- 2. PLANS, ELEVATIONS AND DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTH, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO
- 3. THE RETAINING WALL IS TO BE DESIGNED USING THE ELEVATION

Addendu ID 7224-( Revised : May 20, 2 dum No. 4-00-72 d Sheet d, 2019 52

# ALLOWABLE WALL SYSTEMS

- 1. WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH.
- 2. WALL FACING UNITS TO CONSIST OF PRECAST MODULAR CONCRETE BLOCKS PRODUCED BY A WETCAST PROCESS.

## **GENERAL NOTES**

- 1. CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL REQUIRED SUBMITTALS HAVE BEEN RECEIVED AND APPROVED PRIOR TO COMMENCING CONSTRUCTION.
- 2. MSE = MECHANICALLY STABILIZED EARTH.
- 3. OVER EXCAVATION IS INCIDENTAL TO WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH LRFD/OMP 20+00, ITEM SPV.0165.02.

# TOTAL ESTIMATED QUANTITIES

	TOTAL ESTIMATED GOARTITIES			
	BID ITEM NUMBERS	BID ITEMS	UNIT	TOTALS
1	SPV.0165.02	WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH LRFD/QMP 20+00	SF	415
2	310.0115	BASE AGGREGATE OPEN GRADED	CY	28
2	612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	90
2	616.0204	FENCE CHAIN LINK 4-FT	LF	87
2	645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	105
2	SPV.0060.01	CHAIN LINK FENCE POST SURFACE MOUNT ANCHOR SLEEVE	EΑ	12

1 QUANTITY IS HT OF WALL - BOTTOM OF THE WALL TO THE TOP OF THE WALL.

2 ADDITIONAL QUANTITY SHOWN ELSEWHERE IN THE PLAN

# DESIGN DATA

- CONTRACTOR DURING CONSTRUCTION. THE COST FOR FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH".
- THE REQUIRED ALIGNMENTS AND DETAILS.
- GIVEN ON THE MSE WALL PLAN AND ELEVATION VIEW SHEET.
- 4. A LIVE LOAD SURCHARGE OF 100 PSF IS USED FOR DESIGN.

8

1'-0" MIN TO FACE OF FENCE

FENCE CHAIN LINK 4-FT-

FOUNDATION

SOIL ZONE-

POURED IN PLACE CONC CAP

BACKFILL TYPE B AS SPECIFIED IN PROVISIONS-

BACKFILL TYPE A AS SPECIFIED IN PROVISIONS

OVER EXCAVATE UNSUITABLE MATERIAL AS

DIRECTED BY THE ENGINEER AND BACKFILL WITH OPEN GRADED BASE. WRAP OPEN GRADED

BASE IN GEOTEXTILE FABRIC, TYPE DF SCHEDULE A

RETAINED SOIL ZONE-

(CONTINUOUS) (SEE MISC DETAILS) -

PIPE UNDERDRAIN WRAPPED 6-INCH

# CAPACITY DEMAND RATIO (CDR)

SOIL PARAMETERS

UNIT WEIGHT

(PCF)

115

115

FRICTION

ANGLE

(DEGREES)

32

COHESION

(PCF)

CHAIN LINK FENCE POST SURFACE

TOP OF WALL - POINT REFERRED

TO ON MSE WALL ELEVATION VIEW

-FRONT FACE OF WALL

-6" UNREINFORCED CONCRETE LEVELING PAD

FINISHED GRADE AT FRONT FACE OF WALL - POINT

REFERRED TO ON MSE WALL ELEVATION VIEW

TOP OF WALL - EL 673.84 TO 674.68 TOP OF CAP BLOCK - EL 673.50

BOTTOM OF WALL - POINT REFERRED

BOTTOM OF WALL - EL 670.00 (TOP OF LEVELING PAD)

TO ON MSE WALL ELEVATION VIEW

-CAP BLOCK DEPTH 24" MAX

1" SETBACK MAX

6" MIN.

TYPICAL SECTION STA 20+00.00 TO STA 20+87.16

STRATUM LOCATION &

SOIL DESCRIPTIONS

\* DESIGN WALL FOR THESE VALUES

FOUNDATION SOIL ZONE (SAND) \*

RETAINED SOIL ZONE \*

24" MIN

1'-0"

MIN.

MOUNT ANCHOR SLEEVE (SEE DETAIL)

MINIMUM DOT STANDARD	CALCULATED CDR ( ≥ 1.0 REQUIRED )			
SLIDING	2.93			
BEARING RESISTANCE	7.29			
ECCENTRICITY	3.84			
GLOBAL STABILITY	1.00			

NO. DATE REVISION BY STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION RETAINING WALL 20+00

> DRAWN BY SKW PLANS CK'D. HDF/WSV SHEET 2 OF 3

8