



Wisconsin Department of Transportation

September 8, 2016

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 #04: 2140-13-70, WISC 2016 306
 N. 76th Street, City of Milwaukee
 Grantosa Drive to Florist Avenue
 STH 181
 Milwaukee County**

Letting of September 13, 2016

This is Addendum No. 03, which provides for the following:

Schedule of Items

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
209.0100	Backfill Granular	CY	2,690	-2,680	10

Plan Sheets

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
503	Structure R-40-604 – Quantities & Details - Removed Bid Item 209.0100 Backfill Granular - Revised stability factors & minimum strap length
508	Structure R-40-605 – Quantities & Details - Removed Bid Item 209.0100 Backfill Granular - Revised stability factors & minimum strap length

Schedule of Items

Attached, dated September 8, 2016, are the revised Schedule of Items Page 2.

Plan Sheets

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

Revised: 503 and 508

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

END OF ADDENDUM

Addendum No. 03
ID 2140-13-70
Revised Sheet 503
September 8, 2016



NO.	DATE	REVISION	BY
1	9/08/16	REVISED PAY ITEM & STABILITY FACTORS	KGP
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE R-40-604		PLANS SCALE: RPB	
QUANTITIES & DETAILS		SHEET 3 OF 5	
		503	

TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEMS	UNIT	TOTAL
51.6500	RUBBERIZED MEMBRANE WATERPROOFING	SF	2
53.0750	TEMPORARY WALL WIRE FACED MECHANICALLY STABILIZED EARTH	SF	931
61.2000	PIPE UNDERDRAIN WRAPPED ZINCH	LF	238
SPV.0000	RAILING TUBULAR STEEL GALVANIZED PEDESTALIAN R-40-604	LF	231
SPV21.6500	WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH/SED/GMP	SF	3,089
	PREFORMED JOINT FILLER	SITE	3/4"

GEOMETRY TABLE

WALL STATION	ROADWAY OFFSET TO F.F. WALL	OFFSET TO TOP OF FINISHED GRADE	F.F. ELEV.
0+12.00	174.00	52.00	736.50
0+13.00	174.00	52.00	736.50
0+14.00	174.00	52.00	736.50
0+15.00	174.00	52.00	736.50
0+16.00	174.00	52.00	736.50
0+17.00	174.00	52.00	736.50
0+18.00	174.00	52.00	736.50
0+19.00	174.00	52.00	736.50
0+20.00	174.00	52.00	736.50
0+21.00	174.00	52.00	736.50
0+22.00	174.00	52.00	736.50
0+23.00	174.00	52.00	736.50
0+24.00	174.00	52.00	736.50
0+25.00	174.00	52.00	736.50
0+26.00	174.00	52.00	736.50
0+27.00	174.00	52.00	736.50
0+28.00	174.00	52.00	736.50
0+29.00	174.00	52.00	736.50
0+30.00	174.00	52.00	736.50
0+31.00	174.00	52.00	736.50
0+32.00	174.00	52.00	736.50
0+33.00	174.00	52.00	736.50
0+34.00	174.00	52.00	736.50
0+35.00	174.00	52.00	736.50
0+36.00	174.00	52.00	736.50
0+37.00	174.00	52.00	736.50
0+38.00	174.00	52.00	736.50
0+39.00	174.00	52.00	736.50
0+40.00	174.00	52.00	736.50
0+41.00	174.00	52.00	736.50
0+42.00	174.00	52.00	736.50
0+43.00	174.00	52.00	736.50
0+44.00	174.00	52.00	736.50
0+45.00	174.00	52.00	736.50
0+46.00	174.00	52.00	736.50
0+47.00	174.00	52.00	736.50
0+48.00	174.00	52.00	736.50
0+49.00	174.00	52.00	736.50
0+50.00	174.00	52.00	736.50
0+51.00	174.00	52.00	736.50
0+52.00	174.00	52.00	736.50
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0+66.00	174.00	52.00	736.50
0+67.00	174.00	52.00	736.50
0+68.00	174.00	52.00	736.50
0+69.00	174.00	52.00	736.50
0+70.00	174.00	52.00	736.50
0+71.00	174.00	52.00	736.50
0+72.00	174.00	52.00	736.50
0+73.00	174.00	52.00	736.50
0+74.00	174.00	52.00	736.50
0+75.00	174.00	52.00	736.50
0+76.00	174.00	52.00	736.50
0+77.00	174.00	52.00	736.50
0+78.00	174.00	52.00	736.50
0+79.00	174.00	52.00	736.50
0+80.00	174.00	52.00	736.50
0+81.00	174.00	52.00	736.50
0+82.00	174.00	52.00	736.50
0+83.00	174.00	52.00	736.50
0+84.00	174.00	52.00	736.50
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0+88.00	174.00	52.00	736.50
0+89.00	174.00	52.00	736.50
0+90.00	174.00	52.00	736.50
0+91.00	174.00	52.00	736.50
0+92.00	174.00	52.00	736.50
0+93.00	174.00	52.00	736.50
0+94.00	174.00	52.00	736.50
0+95.00	174.00	52.00	736.50
0+96.00	174.00	52.00	736.50
0+97.00	174.00	52.00	736.50
0+98.00	174.00	52.00	736.50
0+99.00	174.00	52.00	736.50
0+100.00	174.00	52.00	736.50

LINEARLY INTERPOLATE WALL ELEVATIONS BETWEEN STATIONS.

SOIL PARAMETERS

STRATUM LOCATIONS AND SOIL DESCRIPTIONS	TOTAL UNIT WEIGHT (PCF)	FRICTION ANGLE (DEGREES)	COHESION (PSF)
GRANULAR BACKFILL (REINFORCING ZONE OR BACKFILL)	120	30	0
SILTY CLAY FILL SOIL RETAINED SOIL *	135	26	0
SILTY CLAY NATIVE SOIL (ELL. 746-660)	135	26	0
NEW SILTY CLAY ENGINEERED FILL ABOVE EXISTING GRADES AND PLACED IN EXCAVATION BACKFILL	130	26	0

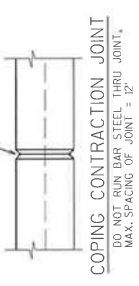
* DESIGN WALL FOR THESE VALUES

WALL EXTERNAL & OVERALL STABILITY EVALUATION **

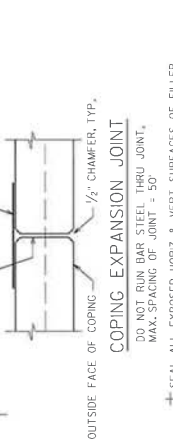
DIMENSIONS	EVALUATED LOCATIONS
WALL HEIGHT (FEET)	15.65
EXPOSED WALL HEIGHT (FEET)	14.15
MINIMUM LENGTH OF REINFORCEMENT (FEET)	(11.20) 11.20
WALL STATION	SEE RAMP STA. 101.00
BORING USED	1
CAPACITY TO DEMAND RATIO (CDR)	
SLIDING (CDR _{SL})	1.14
ECCENTRICITY (CDR _E)	3.02
OVERALL STABILITY (CDR _{SO})	1.10
BEARING RESISTANCE (CDR _{BL})	1.36
FACTORED BEARING RESISTANCE (PSF)	7450

** FINAL DESIGN FOR INTERNAL STABILITY AND EXTERNAL SLIDING AND OVERTURNING IS THE RESPONSIBILITY OF THE CONTRACTOR'S WALL DESIGNER.

COPING CONTRACTION JOINT
DO NOT RUN BAR STEEL THRU JOINT.
MAX. SPACING OF JOINT = 12'



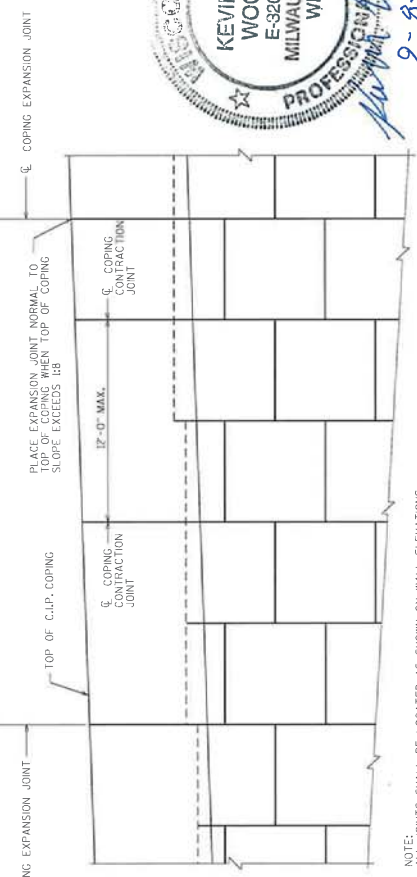
COPING EXPANSION JOINT
DO NOT RUN BAR STEEL THRU JOINT.
MAX. SPACING OF JOINT = 30'



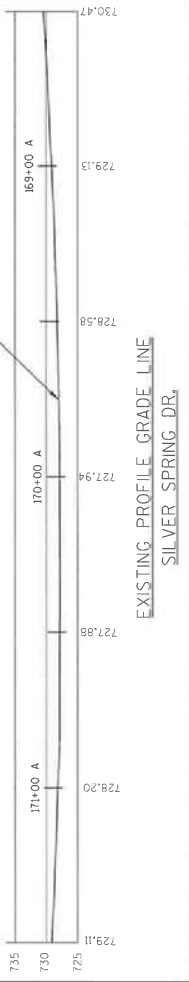
CAST-IN-PLACE CONCRETE COPING DETAIL



MULTIPLE OF PANEL LENGTH, 50'-0" MAX. SEE NOTE BELOW



C.I.P. COPING PARTIAL ELEVATION

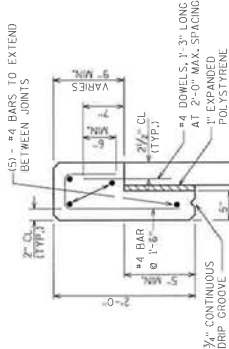


William C. Decker 9/8/16

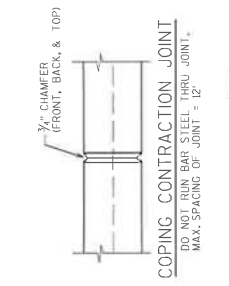
Addendum No. 03
ID 2140-13-70
Revised Sheet 508
September 8, 2016



NO.	DATE	REVISION	BY
9/08/16		REVISED PAY ITEM & STABILITY FACTORS	KCP
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE R-40-605			
DRAWN BY: RFB		PLANS RFB	
QUANTITIES & DETAILS		SHEET 3 OF 5	
		508	



CAST-IN-PLACE CONCRETE COPING DETAIL
COPING ON TOP OF WALL SHOWN. VERTICAL COPING AT END OF WALL SIM.
NOTE: CONCRETE COPING REINFORCING STEEL SHALL BE IDENTICAL TO WALL REINFORCING STEEL UNLESS OTHERWISE SHOWN WHERE ATTACHMENTS ARE MADE.



COPING CONTRACTION JOINT
DO NOT RUN BAR STEEL THRU JOINT. MAX. SPACING OF JOINT = 12"
COPING EXPANSION JOINT
DO NOT RUN BAR STEEL THRU JOINT. MAX. SPACING OF JOINT = 50"
SEAL ALL EXPOSED HORIZ & VERT SURFACES OF FILLER WITH NON-STAINING GRAY NON-BULKING JOINT SEALER (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONC.)
MEMBRANE WATERPROOFING TO EXTEND FROM TOP OF COPING TO 6" BELOW TOP OF PANELS.

TOTAL ESTIMATED QUANTITIES

ITEM NO.	BIOTENS	UNIT	TOTAL
5163500	ROBBERIZED MEMBRANE WATERPROOFING	SF	700
5320200	TEMPORARY WALL WIRE FACED MECHANICALLY STABILIZED EARTH	SF	204
5KVC0200	PRECAST CONCRETE PANEL MECHANICALLY STABILIZED EARTH	LF	2,988
5PV016501	NON-BIOTENS	SF	3/4"

GEOMETRY TABLE

WALL STATION	ROADWAY OFFSET TO F.F. WALL	TOP OF FINISHED GRADE WALLELEV.	F.F. ELEV.
0400.00	169413.44A	52.00' LT	733.01
0425.00	169424.83A	52.00' LT	736.01
0450.00	169437.16A	52.00' LT	739.26
0475.00	169447.60A	52.00' LT	742.01
0500.00	169460.88A	52.00' LT	742.01
0525.00	169484.60A	52.00' LT	742.01
0550.00	170408.32A	52.00' LT	742.01
0575.00	170432.04A	52.00' LT	742.01
0600.00	170455.76A	52.00' LT	742.01
0625.00	170479.48A	52.00' LT	740.26
0650.00	170495.61A	52.00' LT	736.01
0675.00	171403.20A	52.00' LT	734.01
0700.00	171407.00A	52.00' LT	733.01
0725.00			732.84

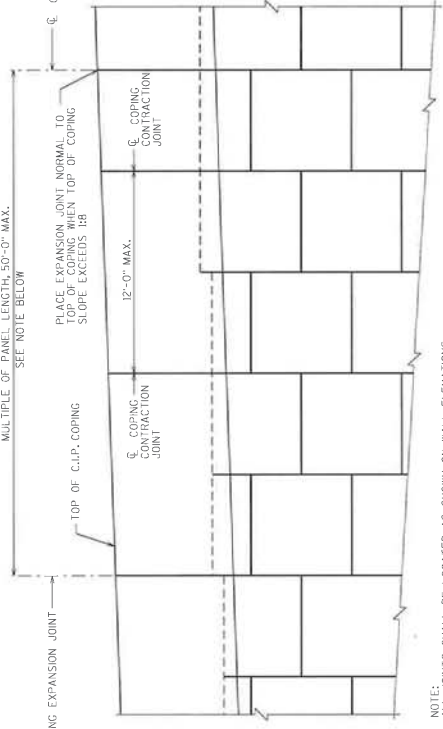
SOIL PARAMETERS

STRATUM LOCATIONS AND SOIL DESCRIPTIONS	TOTAL WEIGHT (PCF)	FRICTION ANGLE (DEGREES)	COHESION (PSF)
GRANULAR BACKFILL (REINFORCING ZONE OR BACKFILL)	120	30	0
SILTY CLAY NATIVE SOIL (RETAINED SOIL)*	135	26	0
SILTY CLAY NATIVE SOIL (EL. 746-569)	135	26	0
NEW FILL SILTY CLAY ENGINEERED FILL (ABOVE EXISTING GRADES AND PLACED IN EXCAVATION BACKFILL)	130	26	0

WALL EXTERNAL & OVERALL STABILITY EVALUATION **

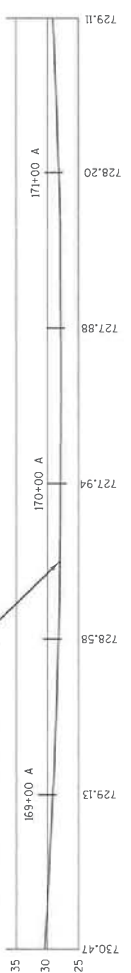
DIMENSIONS	EVALUATED LOCATIONS
WALL HEIGHT (FEET)	13.5
EXPOSED WALL HEIGHT (FEET)	12.0
MINIMUM LENGTH OF REINFORCEMENT (FEET)	10.50
WALL STATION	NE RAMP STA. 106+50
BORING USED	5
CAPACITY TO DEMAND RATIO (CDR)	1.07
SLIDING (CDR)LO	2.74
ECCENTRICITY (CDR)LO	1.03
OVERALL STABILITY (CDR)LO	1.16
BEARING RESISTANCE (CDR)LO	6.20
FACTORED BEARING RESISTANCE (PSF)	

** BASED ON GEOTECHNICAL ENGINEERING REPORT FINAL DESIGN FOR INTERNAL STABILITY AND EXTERNAL SLIDING AND OVERTURNING IS THE RESPONSIBILITY OF THE CONTRACTOR'S WALL DESIGNER.



NOTE: JOINTS SHALL BE LOCATED AS SHOWN ON WALL ELEVATIONS AND MUST COINCIDE WITH PANEL JOINT ON FRONT PANEL.

C.I.P. COPING PARTIAL ELEVATION



EXISTING PROFILE GRADE LINE
SILVER SPRING DR.

William C. DeLuz 9/8/16

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20160913004

PROJECT(S):
2140-13-70

FEDERAL ID(S):
WISC 2016306

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0110	204.0165 Removing Guardrail	140.000 LF	.	.	.	.
0120	204.0170 Removing Fence	140.000 LF	.	.	.	.
0130	204.0195 Removing Concrete Bases	19.000 EACH	.	.	.	.
0140	204.0210 Removing Manholes	3.000 EACH	.	.	.	.
0150	204.0220 Removing Inlets	18.000 EACH	.	.	.	.
0160	204.0245 Removing Storm Sewer (size) 01. 12-Inch	808.000 LF	.	.	.	.
0170	205.0100 Excavation Common	10,632.000 CY	.	.	.	.
0180	206.1000 Excavation for Structures Bridges (structure) 01. B-40-766	LUMP	LUMP	.	.	.
0190	208.0100 Borrow	8,987.000 CY	.	.	.	.
0200	209.0100 Backfill Granular	10.000 CY	.	.	.	.
0210	209.0200.S Backfill Controlled Low Strength	20.000 CY	.	.	.	.