

A d d e n d u m

Iowa Department of Transportation

Date of Letting: December 22, 2015

Office of Contracts

Date of Addendum: December 18, 2015

B.O.	Proposal ID	Proposal Work Type	County	Project Number	Addendum
001	97-0297-049	BRIDGE NEW - PPCB	WOODBURY	IM-NHS-029-6(201)147--03-97 IM-NHS-029-6(203)147--03-97 IM-NHS-029-6(205)148--03-97 IM-NHS-029-6(206)147--03-97 IM-NHS-029-7(34)148--03-97 IM-NHS-029-7(35)149--03-97 IM-NHS-029-7(40)149--03-97 IM-NHS-029-7(46)149--03-97 IM-NHS-029-7(49)149--03-97 IM-NHS-029-7(58)149--03-97 IM-NHS-029-7(59)149--03-97	22DEC001.A08

Make the following changes to the PROPOSAL SCHEDULE OF PRICES:

Change Proposal Line No. 3630 2301-0690201 BRIDGE APPROACH, BR-201;

From: 1,514.000 SY

To: 1,127.000 SY

Change Proposal Line No. 4550 2505-4008300 STEEL BEAM GUARDRAIL;

From: 187.500 LF

To: 250.000 LF

Change Proposal Line No. 4560 2505-4008400 STEEL BEAM GUARDRAIL BARRIER
TRANSITION SECTION;

From: 5.000 EACH

To: 6.000 EACH

Change Proposal Line No. 4570 2505-4021010 STEEL BEAM GUARDRAIL END ANCHOR,
BOLTED;

From: 5.000 EACH

To: 6.000 EACH

Change Proposal Line No. 4580 2505-4021700 STEEL BEAM GUARDRAIL END
TERMINAL;

From: 5.000 EACH

To: 6.000 EACH

Delete Proposal Line No. 4950 2524-9100030 OBJECT MARKER, TYPE 3; 5.000 EACH

If the above changes are not made, they will be made as shown here.

Make the following changes to the plan:

IM-NHS-029-7(49)149--03-97

Sheet C.29

Tab. 108-8A STEEL BEAM GUARDRAIL AT CONCRETE BARRIER OR BRIDGE RAIL
END SECTION

Replace Tab. 108-8A STEEL BEAM GUARDRAIL AT CONCRETE BARRIER OR BRIDGE
RAIL END SECTION with the attached Tab. 108-8A STEEL BEAM GUARDRAIL AT
CONCRETE BARRIER OR BRIDGE RAIL END SECTION

Sheet N.1

PERMANENT TRAFFIC SIGNAL BILL OF MATERIALS

Rep lace PERMANENT TRAFFIC SIGNAL BILL OF MATERIALS with the
attached PERMANENT TRAFFIC SIGNAL BILL OF MATERIALS

Sheet P.9

Add "DAVIT STYLE LUMINAIRE ARM" Detail and Specifications.
Add Specification for "LUMINAIRE ON TRAFFIC SIGNAL STRUCTURE".

Sheet Q.40

FOU NDATION SOILS DATA Table
Replace FOUNDATION SOILS DATA Table with the
attached FOUNDATION SOILS DATA Table

Sheet Q.40

POINT, STATION (5245), ELEVATION Table
Replace POINT, STATION (5245), ELEVATION Table with the
attached POINT, STATION (5245), ELEVATION Table

Sheet Q.42

FOUNDATION SOILS DATA Table
Replace FOUNDATION SOILS DATA Table with the
attached FOUNDATION SOILS DATA Table

Sheet Q.50

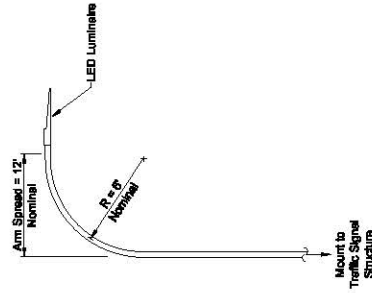
FOU NDATION SOILS DATA Table
Replace FOUNDATION SOILS DATA Table with the
attached FOUNDATION SOILS DATA Table

[illegible]

PERMANENT TRAFFIC SIGNAL BILL OF MATERIALS

ITEM	DESCRIPTION	UNITS	Floyd Blvd & Dace Ave	Floyd Blvd & NB Frontage Rd	Virginia St & NB Frontage Rd	Nebraska St & Gordon Dr	Interconnect	Total
1	Solid State Controller with Cabinet, Accessories	Each	1	1	1	0	-	3
2	Video Detection System	Each	1	1	1	0	-	3
3	Emergency Vehicle Preemption System	Each	1	1	1	0	-	3
4	Pedestrian Pushbutton with R10-4A sign	Each	8	2	8	0	-	18
5	Pedestrian Signal Head-18 in Hand-Walking Person Symbol; Countdown	Each	8	2	8	0	-	18
6	Traffic Signal Head-12 in R,Y,G,Y,G,w/ Backplate	Each	4	0	0	0	-	4
7	Traffic Signal Head-12 in R,Y,Y,G,w/ Backplate	Each	0	0	2	0	-	2
8	Traffic Signal Head-12 in R,Y,G,w/ Backplate	Each	6	6	4	5	-	21
9	Traffic Signal Head-12 in R,Y,G; No Backplate	Each	2	1	3	1	-	7
10	Traffic Signal Head-12 in R,Y,G,Y,G; No Backplate	Each	2	0	0	0	-	2
11	Handhole - Type III	Each	4	4	5	0	9	22
12	Cable-1c, #6 AWG, Power Lead-In	Feet	244	386	400	0	-	1,030
13	Cable-20c, #14 AWG, Signal Circuits	Feet	1,164	1,083	1,340	0	-	3,587
14	Cable-5c, #14 AWG, Signal Circuits	Feet	746	0	196	0	-	942
15	Cable-2c (PB)	Feet	1,151	139	1,070	0	-	2,360
16	Cable-Preempt Wire (per manufacturer)	Feet	184	364	358	0	-	933
17	Cable-Video Detection, (Coax - per manufacturer)	Feet	582	619	564	0	-	1,765
18	Cable-Video Power, (CAM - per manufacturer)	Feet	582	619	564	0	-	1,765
19	Cable-1c, #6 AWG, Bare Copper Wire for Ground Circuits	Feet	584	608	511	0	-	1,703
20	Cable-1c, #8, for Street Lighting	Feet	780	0	0	142	-	922
21	Cable-1c, #10 AWG, Tracer Wire	Feet	584	608	511	0	1,787	3,490
22	Pull Rope	Feet	584	462	511	0	1,787	3,344
23	Conduit-2 in PVC (HDPE)	Feet	26	393	421	49	1,593	2,482
24	Conduit-2 in Rigid Metal	Feet	290	0	0	0	194	484
25	Conduit-3 in PVC (HDPE)	Feet	54	88	74	98	-	314
26	Conduit-3 in Rigid Metal	Feet	666	418	470	0	-	1,554
27	Conduit-4 in PVC (HDPE)	Feet	60	32	36	0	-	128
28	Concrete Base-Controller	Each	1	1	1	0	-	3
29	Concrete Base-Pedestal Pole 2 ft Dia. X 3 ft	Each	5	0	2	0	-	7
30	Concrete Base-3 ft Dia. X 11 ft	Each	1	0	1	0	-	2
31	Concrete Base-3 ft Dia. X 13 ft	Each	2	0	2	1	-	5
32	Concrete Base-3 ft Dia. X 15 ft	Each	0	3	1	0	-	4
33	Concrete Base-3 ft Dia. X 16 ft	Each	1	0	0	0	-	1
34	Pedestal Pole-10 ft	Each	5	0	2	0	-	7
35	Mastarm Pole-30 ft Mastarm Length	Each	0	0	1	0	-	1
36	Mastarm Pole-35 ft Mastarm Length	Each	0	0	0	1	-	1
37	Mastarm Pole-40 ft Mastarm Length	Each	0	0	2	0	-	2
38	Mastarm Pole-50 ft Mastarm Length	Each	0	1	0	0	-	1
39	Mastarm Pole-55 ft Mastarm Length	Each	0	2	1	0	-	3
40	Combo Pole-30 ft Mastarm Length	Each	1	0	0	0	-	1
41	Combo Pole-45 ft Mastarm Length	Each	2	0	0	1	-	3
42	Combo Pole-60 ft Mastarm Length	Each	1	0	0	0	-	1
43	Type A Sign; Mastarm Mounted	Each	9	8	4	3	-	24
44	Street Name Sign; Mastarm Mounted	Each	4	3	1	2	-	10
45	Luminaire	Each	4	-	-	1	-	5

DAVIT STYLE LUMINAIRE ARM FOR TRAFFIC SIGNAL STRUCTURES

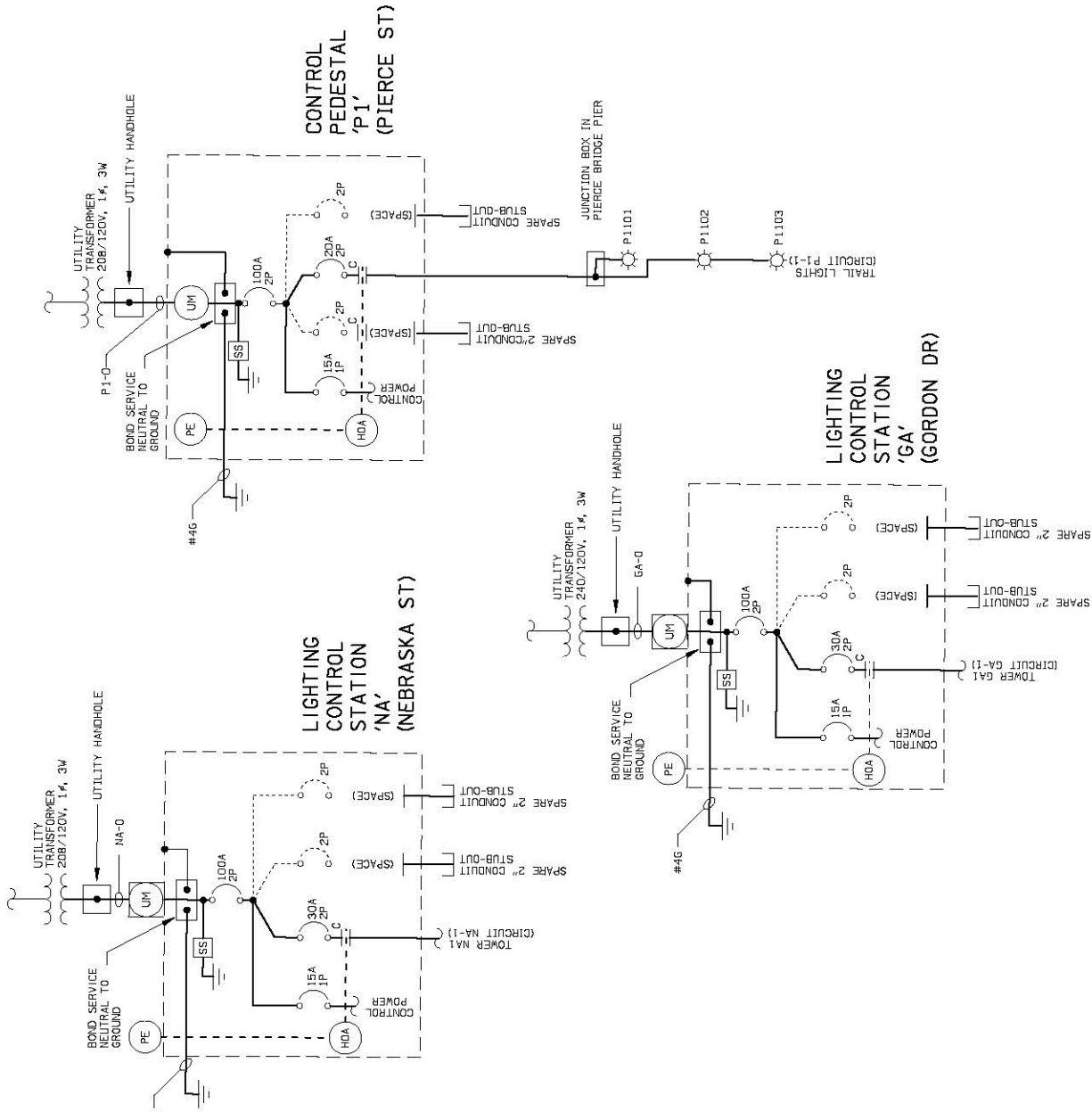


SPECIFICATION DAVIT STYLE LUMINAIRE ARM

Materials: Round, Tapered, Galvanized Steel.
 Finish: Powder Coated.
 Nominal Arm Length (Spread) and Nominal Bend Radius as Indicated.
 Provide with standard 2" dia. (2-3/8" o.d.) x 4" long (min.) slip-fitter tenon for luminaire mounting.
 Luminaire Mounting Height: Refer to N-Sheets.

SPECIFICATION - LUMINAIRE ON TRAFFIC SIGNAL STRUCTURE

Luminaires shall be solid state light-emitting-diode (LED) type.
 Housing: Low Copper Aluminum Alloy.
 Optics: rated IP66 for ingress of foreign material.
 Correlated Color Temperature: 4000K, 70 DRI minimum.
 Minimum Initial Absolute Lumens: 11,700
 Minimum Efficiency: 100 lm/W, 100,000 hours L70
 Driver: Dimmable, Max 1 Amp Drive Current, Surge Protected.
 Input Voltage: 120 - 277 VAC, self-adjusting.
 Luminaire Ambient Temperature Rating: -40 deg C to +40 deg C.
 Light Distribution: IES Roadway Type 2, Medium, Cutoff.
 Luminaire Finish: Manufacturer's Standard Gray.
 Provide with NEMA Floodproof control receptacle and photocell.
 Listed Warranty: 5 Years.
 Acceptable Manufacturers:
 AEL Autobahn ATB2-40BLEDE10-MVOLT-R2-P5
 Philips Lumec Roadfocus RFW-1000R48
 Lectek GGNZ-40-NV-TM-Z-61-PA-PDRS.



Foundation Soils Data (C) - Wall 5245 - Q.40			
Wall Station Range =	524578+27 to 524578+62	524578+62 to 524580+70	524580+70 to 524580+99
Factored Wall Contact Stress ¹ =	n/a^2	7,200 psf	3,900 psf
Total Unit Weight =		116 pcf ³	120 pcf
Friction Angle =		24° ³	0°
Cohesion =		0 psf ³	1,200 psf
Factored Bearing Resistance ² =		7,400 psf ³	4,000 psf
Note 1: Estimated value, based on preliminary information provided by Iowa DOT Soils Design Section.			
Note 2: Strength limit state (factored) bearing resistance value is valid only for a reinforcement length of 0.8 times the maximum wall height along each wall station range. Includes a bearing resistance factor of 0.65.			
Note 3: Estimated value, based on assumed IFI element spacing and pattern. The MSE wall designer should coordinate with the IFI designer to verify the foundation soils data along the IFI zone.			
Note 4: Expanded polystyrene (EPS) zone.			

POINT	STATION (5245)	ELEVATION
G	78+62	1095
H	78+85	1095
I	78+85	1097
J	80+99	1097
K	80+99	1075
L	78+62	1075

Foundation Soils Data (C) - Wall 5246 - Q.42			
Wall Station Range =	524678+27 to 524678+59	524678+59 to 524681+04	524681+04 to 524683+49
Factored Wall Contact Stress ¹ =	n/a ⁴	6,500 psf	2,800 psf
Total Unit Weight =		116 pcf ³	120 pcf
Friction Angle =		24° ³	0°
Cohesion =		0 psf ³	1,200 psf
Factored Bearing Resistance ² =		6,800 psf ³	4,000 psf
Note 1: Estimated value, based on preliminary information provided by Iowa DOT Soils Design Section.			
Note 2: Strength limit state (factored) bearing resistance value is valid only for a reinforcement length of 0.8 times the maximum wall height along each wall station range. Includes a bearing resistance factor of 0.65.			
Note 3: Estimated value, based on assumed IFI element spacing and pattern. The MSE wall designer should coordinate with the IFI designer to verify the foundation soils data along the IFI zone.			
Note 4: Expanded polystyrene (EPS) zone.			

Foundation Soils Data (C) - Wall 5255 - Q.50				
Wall Station Range =	525593+53 to 525597+42	525597+42 to 525598+42	525598+42 to 525599+92	525599+92 to 525600+37
Factored Wall Contact Stress ¹ =	5,000 psf	4,200 psf	3,750 psf	2,050 psf
Total Unit Weight =	91 pcf ³	79 pcf ³	85 pcf ³	120 pcf
Friction Angle =	26.3° ³	27.7° ³	24.4° ³	0°
Cohesion =	0 psf ³	0 psf ³	0 psf ³	900 psf
Factored Bearing Resistance ² =	8,250 psf ³	7,350 psf ³	5,100 psf ³	3,000 psf
Note 1: Estimated value, based on preliminary information provided by Iowa DOT Soils Design Section.				
Note 2: Strength limit state (factored) bearing resistance value is valid only for a reinforcement length of 0.8 times the maximum wall height along each wall station range. Includes a bearing resistance factor of 0.65.				
Note 3: Foundation soils data within this station range is based on Ground Improvement Engineering's design of IFI elements installed for the IM-NHS-029-6(242)147--03-97 project.				