

Wisconsin Department of Transportation

November 3, 2015

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 #21: 4996-01-58, WISC 2015 144
Taylor Drive, City of Sheboygan
Kohler Memorial Dr – Crocker Ave
Local Street
Sheboygan County

Letting of November 10, 2015

This is Addendum No. 02, which provides for the following:

Special Provisions

Revised Special Provisions	
Article No.	Description
4	Traffic
38	Prefabricated Steel Truss Bridge B-59-188 LRFD, Item SPV.0105.07
39	Prefabricated Steel Truss Bridge B-59-189 LRFD, Item SPV.0105.08

Schedule of Items

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
643.0300	Traffic Control Drums	DAYS	34920	700	35620
643.0420	Traffic Control Barricades Type III	DAYS	2820	70	2890
643.0705	Traffic Control Warning Lights Type A	DAYS	5640	112	5752
643.0715	Traffic Control Warning Lights Type C	DAYS	6700	140	6840
643.0900	Traffic Control Signs	DAYS	6320	350	6670
649.0300	Temporary Pavement Marking Reflective Tape 4-Inch	LF	7380	7000	14380
652.0225	Conduit Rigid Non-Metallic Schedule 40, 2-Inch	LF	350	8327	8677
655.0610	Electrical Wire Lighting 12 AWG	LF	8921	-5171	3750
655.0615	Electrical Wire Lighting 10 AWG	LF	13372	1372	14744
655.0620	Electrical Wire Lighting 8 AWG	LF	6264	3754	10018

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
643.0500	Traffic control Flexible Tubular Marker Posts	EACH	0	40	40
643.0600	Traffic control Flexible Tubular Marker Bases	EACH	0	40	40

Deleted Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
652.0215	Conduit Rigid Non-Metallic Schedule 40, 1 1/4-Inch	LF	8327	-8327	0

Plan Sheets

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
59-66	Lighting Plans (changed ground wire size)
119	Miscellaneous Quantities (changed traffic control items)
121	Miscellaneous Quantities (changed conduit size from 1 ¼-inch to 2-inch, and ground wire size)
123	Miscellaneous Quantities (noted additional quantity shown elsewhere for 2-inch conduit)

Added Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
96A-96C	Traffic Control Bridge Erection Stage (3 sheets)
218A	SDD15D6-3 Traffic Control, Two Lane Two Way Operation

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. 02

4996-01-58

November 3, 2015

Special Provisions

4. Traffic

Add the following:

Bridge Erection:

All northbound Traffic will be shifted to the east southbound lane between University Avenue and New Jersey Avenue for the erection of the prefabricated truss bridges B-59-188 and B-59-189. The traffic can be shifted for no more than two consecutive calendar weeks.

The traffic signals at Indiana Avenue and New Jersey Avenue will be set to flashing red during the Bridge Erection traffic control stage. The City of Sheboygan will set the signals to flashing and restore the original setting. Contact Ryan Sazama at the City of Sheboygan Department of Public Works and Engineering, (920) 459-3485, at least 72 hours prior to the implementation of and at the completion of the Bridge Erection Traffic Control Stage.

The contractor will coordinate the traffic control during the Bridge Erection Stage with all other traffic control stages for the project.

38. Prefabricated Steel Truss Bridge B-59-188 LRFD, Item SPV.0105.07.

Replace entire article language with the following:

A Description

Furnish a fully engineered, fabricated steel truss pedestrian bridge structure, including bearings, and transport and erect it as shown in the plans, according to Part 5 Structures of the standard specifications, and as hereinafter provided. These specifications shall be regarded as minimum standards for design and construction.

The steel rails, wood rub rail, and kickplate on the bridge are included with the Prefabricated Steel Truss Bridge.

B Materials

B.1 Approved Manufacturers

The bridge shall be designed and manufactured by an approved designer and supplier selected from the department's approved products list.

To be eligible for this project, pre-fabricated bridges from other manufacturers must be pre-approved prior to the bid opening date. Applications for pre-approval may be submitted at any time. Prepare the application according to the department requirements. If needed, obtain information and assistance with the pre-approval process from the Structures Design Section in the Bureau of Structures, Room 601 of the Hill Farms State Transportation Building in Madison, or by calling (608) 266-8494.

B.2 Design Requirements

Structural design of the pedestrian bridge shall be by a professional engineer registered in the State of Wisconsin.

Design the bridge according to the most recent edition of the AASHTO LRFD Bridge Design Specifications, all current interims, and the AASHTO LRFD Guide Specifications for Design of Pedestrian Bridges, except as modified herein.

Design welded tubular connections according to the Structural Welding Code-Steel ANSI/AWS D1.1. The fracture critical requirements of ANSI/AWS D1.5 do not apply, and Charpy V-notch impact testing will not be required. Loading shall be as stated in Section 3 of the AASHTO LRFD Guide Specifications for Design of Pedestrian Bridges. The bridge shall be a half-through truss with profile as shown on the plans. With the exception of the one panel at the overlook, each truss panel will have one diagonal. Chords, diagonals, verticals, bracing, and floor beams may be tube steel. Tube steel shall have a minimum thickness of ¼-inch. All other steel shapes shall have a minimum thickness of 5/16-inch. Field splices shall be bolted with ASTM A325 high strength bolts according to the "Specifications for Structural Joints Using ASTM A325 or A490 Bolts". Type 3 bolts are required for weathering steel. For top and bottom chord field splices, splice plates are required on both the inside and outside surface of all four sides of the spliced tubing so that each bolt will be acting in double shear. Nuts may be welded to the splice plates to hold them in place during installation. When the collection of water inside a structural tube is a possibility, either during construction or during service, provide the tube with a drain hole at its lowest point.

If the profile grade line is on a crest vertical curve, camber the bridge to match the profile grade line shown on the plans plus the calculated dead load deflection. For a single span bridge, if the profile grade line has a constant slope (no vertical curve), camber the bridge to offset the calculated dead load deflection plus an amount equal to 1% of the bridge length. For a bridge with two or more spans, if the profile grade line has a constant slope (no vertical curve), camber the bridge to offset the calculated dead load deflection only. Douglas Fire Larch, select structural, S1S2E, azca treated, 3"x10" or 12" nominal decking shall be provided over the floor beams at a 45 degree angle as shown on the contract plans. Planks shall be placed rough side up. The deck shall be designed to hold a wheel load located 1 foot from the face of the curb or toe plate, or a pedestrian live load of 90 psf, whichever controls.

Use load factors of 1.25 for dead load and 1.75 for live load for the design of the wood decking. Design the bridge for expansion and contraction with a temperature range of -30° F to 120° F. Utilize Teflon slip pads or other approved material on the sliding surface of the expansion bearing assembly.

Provide handrails on bridge as shown on Plans. Provide cantilevered overlook to east side of bridge as shown on plans.

B.3 Plan Requirements and Submittals

Electronically submit the superstructure plans/shop drawings and design computations to the engineer for acceptance by the Structures Design Section. Make the submittal no later than 12 weeks after date of notice of contract approval. Allow the following time period in the construction schedule: 20 calendar days after the first receipt of plans by the Structures Design Section for a complete initial review of the design and plans submittal, and an additional 20 calendar days for any necessary revisions and/or corrections.

In the submittal, include the following:

Basic design criteria shown on the design plans.

Complete detailed drawings of all structural steel connections, sizes of members, span lengths between bearing points, skews, walkway widths, height of handrails and safety rails, bearing assembly details, anchor bolt locations, bridge deck material, design data, materials data, and dead and live load bearing reactions.

Engineer's certification. The plans shall be sealed, signed, and dated by a professional engineer registered in the State of Wisconsin.

One set of design calculations with independent checks.

The department will return plans (electronically) from this submittal, and any subsequent submittals, to the contractor, either indicating acceptance or marked with required revisions and/or corrections. Provide the engineer copies of final plans to be used in fabrication and construction.

B.4 Weld Testing

An independent agency shall perform nondestructive weld testing; the manufacturer shall pay for this testing. All welds are to be visually inspected except as noted below.

Ten percent of all fillet welds shall be magnetic particle tested.

All full penetration welds of chords shall be ultrasonically or radiographically tested.

Bottom chord welded tube splices for tube thicknesses less than 3/8-inches thick shall be radiographically tested or covered with fillet welded splice plates with non-intersecting welds which develop 75% of the spliced member strength.

Submit electronically a written testing report upon completion.

B.5 Steel Rails, Wood Rub Rail, and Kickplate, Wood Deck

Refer to Special Provision for Steel Railing Special B Materials, and the plans.

C Construction

C.1 Delivery and Erection

Construction equipment used to lift the truss bridge sections including cranes shall not be stationed on the existing Sheboygan River Bridge during the delivery or erection of the Prefabricated Steel Truss Bridge. It is assumed that the contractor will assemble the truss bridge on the existing river bridge prior to setting it in the designated location. Cribbing or other bracing used to support the truss bridge sections on the existing bridge during erection shall be positioned at or as near as possible to the existing river bridge piers and/or abutments. If the contractor elects to assemble/erect the truss bridge at a separate location and roll or move the truss bridge over the existing river bridge, the contractor must submit analysis that shows the existing river bridge has the structural capacity to support the process. The analysis shall be sealed, signed, and dated by a Wisconsin Professional Engineer.

Deliver the bridge by truck to the location that is nearest to the site and accessible by road. The contractor is responsible for unloading the bridge from the trucks at the time of arrival.

The manufacturer shall notify the contractor in advance of the expected arrival time. Information regarding delays after the trucks depart the plant such as inclement weather, delays in permits, rerouting by public agencies, or other circumstances shall be passed on to the contractor as soon as possible.

The manufacturer shall provide an erection procedure to the contractor and shall advise the contractor of the actual lifting weights, attachment points, and all other pertinent information needed to install the bridge. Unloading, splicing, bolting, and providing proper lifting equipment as well as all tools, equipment, labor, and miscellaneous items required to complete the work is the responsibility of the contractor. The procedure for bolting field splices shall be given to the contractor by the manufacturer.

C.2 Finishes

When unpainted steel is specified on the plans, all fabrications shall be produced from high strength, low alloy, atmospheric corrosion resistant ASTM A847 cold-formed welded square and rectangular tubing, ASTM A606 sheet, and/or ASTM A588, ASTM A242, or ASTM A709 Grade 50W plate and structural steel shapes ($F_y=50,000$ psi) with a minimum corrosion index of 5.8 per ASTM G101.

Blast-clean all exposed surfaces of weathering steel according to Steel Structures Painting Council Surface Preparation Specifications No. 7 Brush-Off Blast Cleaning (SSPC-SP7), latest edition. Exposed surfaces of weathering steel shall be defined as those surfaces seen from the deck and from outside the structure. Stringers, floor beams, lower brace diagonals and the inside face of the truss below the deck, and bottom of the bottom chord do not need to be blasted.

D Measurement

The department will measure Prefabricated Steel Truss Pedestrian Bridge B-59-188 LRFD, as a single lump sum unit of work for the bridge, 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
SPV.0105.07	Prefabricated Steel Truss Bridge B-59-188 LRFD	LS

Payment is full compensation for designing, manufacturing, transporting, and erecting the pedestrian bridge including the steel rails, wood rub rail, and kickplate; furnishing bearing plates, pads, bolts, anchor bolts, and grout.

The railings on the bridge approaches are paid for as Steel Railing Special, B-59-188 as shown on the plans.

39. Prefabricated Steel Truss Bridge B-59-189 LRFD, Item SPV.0105.08.

Replace entire article language with the following:

A Description

Furnish a fully engineered, fabricated steel truss pedestrian bridge structure, including bearings, and transport and erect it as shown in the plans, according to Part 5 Structures of the standard specifications, and as hereinafter provided. These specifications shall be regarded as minimum standards for design and construction.

The wood barrier rail and barrier fence, polymer coated on the bridge are included with the Prefabricated Steel Truss Bridge.

B Materials

B.1 Approved Manufacturers

The bridge shall be designed and manufactured by an approved designer and supplier selected from the department's approved products list.

To be eligible for this project, pre-fabricated bridges from other manufacturers must be pre-approved prior to the bid opening date. Applications for pre-approval may be submitted at any time. Prepare the application according to the department requirements. If needed, obtain information and assistance with the pre-approval process from the Structures Design Section in the Bureau of Structures, Room 601 of the Hill Farms State Transportation Building in Madison, or by calling (608) 266-8494.

B.2 Design Requirements

Structural design of the pedestrian bridge shall be by a professional engineer registered in the State of Wisconsin.

Design the bridge according to the most recent edition of the AASHTO LRFD Bridge Design Specifications, all current interims, and the AASHTO LRFD Guide Specifications for Design of Pedestrian Bridges, except as modified herein.

Design welded tubular connections according to the Structural Welding Code-Steel ANSI/AWS D1.1. The fracture critical requirements of ANSI/AWS D1.5 do not apply, and Charpy V-notch impact testing will not be required. Loading shall be as stated in Section 3 of the AASHTO LRFD Guide Specifications for Design of Pedestrian Bridges. The bridge shall be a half-through truss with profile as shown on the plans with one diagonal per panel. Chords, diagonals, verticals, bracing, and floor beams may be tube steel. Tube steel shall have a minimum thickness of ¼-inch. All other steel shapes shall have a minimum thickness of 5/16-inch. Field splices shall be bolted with ASTM A325 high strength bolts according to the "Specifications for Structural Joints Using ASTM A325 or A490 Bolts". Type 3 bolts are required for weathering steel. For top and bottom chord field splices, splice plates are required on both the inside and outside surface of all four sides of the spliced tubing so that each bolt will be acting in double shear. Nuts may be welded to the splice plates to hold them in place during installation. When the collection of water inside a structural tube is a possibility, either during construction or during service, provide the tube with a drain hole at its lowest point.

If the profile grade line is on a crest vertical curve, camber the bridge to match the profile grade line shown on the plans plus the calculated dead load deflection. For a single span bridge, if the profile grade line has a constant slope (no vertical curve), camber the bridge to offset the calculated dead load deflection plus an amount equal to 1% of the bridge length. For a bridge with two or more spans, if the profile grade line has a constant slope (no vertical curve), camber the bridge to offset the calculated dead load deflection only. Douglas Fire Larch, select structural, S1S2E, azca treated, 3"x10" or 12" nominal decking shall be provided over the floor beams at a 45 degree angle as shown on the contract plans. Planks shall be placed rough side up. The deck shall be designed to hold a wheel load located 1 foot from the face of the curb or toe plate, or a pedestrian live load of 90 psf, whichever controls.

Use load factors of 1.25 for dead load and 1.75 for live load for the design of the wood decking. Design the bridge for expansion and contraction with a temperature range of -30° F to 120° F. Utilize Teflon slip pads or other approved material on the sliding surface of the expansion bearing assembly.

Provide Douglas Fire Larch 2" x6" nominal wooden rails back to back to 42" height as shown on plans. The purpose of these rails is to prevent snow and ice from falling onto railroad tracks. Install protective screening along bridge length as shown on the plans. Protective screening shall be 9-gauge chain link fence with 2-inch mesh, polymer coated as shown on the plans.

B.3 Plan Requirements and Submittals

Electronically submit the superstructure plans/shop drawings and design computations to the engineer for acceptance by the Structures Design Section. Make the submittal no later than 12 weeks after date of notice of contract approval. Allow the following time period in the construction schedule: 20 calendar days after the first receipt of plans by the Structures Design Section for a complete initial review of the design and plans submittal, and an additional 20 calendar days for any necessary revisions and/or corrections.

In the submittal, include the following:

Basic design criteria shown on the design plans.

Complete detailed drawings of all structural steel connections, sizes of members, span lengths between bearing points, skews, walkway widths, height of handrails and safety rails, bearing assembly details, anchor bolt locations, bridge deck material, design data, materials data, and dead and live load bearing reactions.

Engineer's certification. The plans shall be sealed, signed, and dated by a professional engineer registered in the State of Wisconsin.

One set of design calculations with independent checks.

The department will return plans (electronically) from this submittal, and any subsequent submittals, to the contractor, either indicating acceptance or marked with required revisions and/or corrections. Provide the engineer copies of final plans to be used in fabrication and construction.

B.4 Weld Testing

An independent agency shall perform nondestructive weld testing; the manufacturer shall pay for this testing. All welds are to be visually inspected except as noted below.

Ten percent of all fillet welds shall be magnetic particle tested.

All full penetration welds of chords shall be ultrasonically or radiographically tested.

Bottom chord welded tube splices for tube thicknesses less than 3/8-inches thick shall be radiographically tested or covered with fillet welded splice plates with non intersecting welds which develop 75% of the spliced member strength.

Submit electronically a written testing report upon completion.

B.5 Steel Rails, Wood Rub Rail, and Kickplate, Wood Deck

Refer to Special Provision for Steel Railing Special B Materials, and the plans.

C Construction

C.1 Delivery and Erection

Construction equipment used to lift the truss bridge sections including cranes shall not be stationed on the existing railroad bridge during the delivery or erection of the Prefabricated Steel Truss Bridge. It is assumed that the contractor will assemble the truss bridge on the existing railroad bridge prior to setting it in the designated location. Cribbing or other bracing used to support the truss bridge sections on the existing bridge during erection shall be positioned at or as near as possible to the existing railroad bridge piers and/or abutments. If the contractor elects to assemble/erect the truss bridge at a separate location and roll or move the truss bridge over the existing railroad bridge, the contractor must submit analysis that shows the existing railroad bridge has the structural capacity to support the process. The analysis shall be sealed, signed, and dated by a Wisconsin Professional Engineer

Deliver the bridge by truck to the location that is nearest to the site and accessible by road. The contractor is responsible for unloading the bridge from the trucks at the time of arrival.

The manufacturer shall notify the contractor in advance of the expected arrival time. Information regarding delays after the trucks depart the plant such as inclement weather, delays in permits, rerouting by public agencies, or other circumstances shall be passed on to the contractor as soon as possible.

The manufacturer shall provide an erection procedure to the contractor and shall advise the contractor of the actual lifting weights, attachment points, and all other pertinent information needed to install the bridge. Unloading, splicing, bolting, and providing proper lifting equipment as well as all tools, equipment, labor, and miscellaneous items required to complete the work is the responsibility of the contractor. The procedure for bolting field splices shall be given to the contractor by the manufacturer.

C.2 Finishes

When unpainted steel is specified on the plans, all fabrications shall be produced from high strength, low alloy, atmospheric corrosion resistant ASTM A847 cold-formed welded square and rectangular tubing, ASTM A606 sheet, and/or ASTM A588, ASTM A242, or ASTM A709 Grade 50W plate and structural steel shapes ($F_y=50,000$ psi) with a minimum corrosion index of 5.8 per ASTM G101.

Blast-clean all exposed surfaces of weathering steel according to Steel Structures Painting Council Surface Preparation Specifications No. 7 Brush-Off Blast Cleaning (SSPC-SP7), latest edition. Exposed surfaces of weathering steel shall be defined as those surfaces seen from the deck and

from outside the structure. Stringers, floor beams, lower brace diagonals and the inside face of the truss below the deck, and bottom of the the bottom chord do not need to be blasted.

D Measurement

The department will measure Prefabricated Steel Truss Pedestrian Bridge B-59-189 LRFD, as a single lump sum unit of work for the bridge, 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
SPV.0105.08	Prefabricated Steel Truss Pedestrian Bridge B-59-189 LRFD	LS

Payment is full compensation for designing, manufacturing, transporting, and erecting the pedestrian bridge including the wood barrier rail and barrier fence, polymer coated; furnishing bearing plates, pads, bolts, anchor bolts, and grout.

The railings on the bridge approaches are paid for as Steel Railing Special, B-59-189 as shown on the plans.

Schedule of Items

Attached, dated November 3, 2015, is the revised Schedule of Item Pages 8 – 10, and 12 – 21. .

Plan Sheets

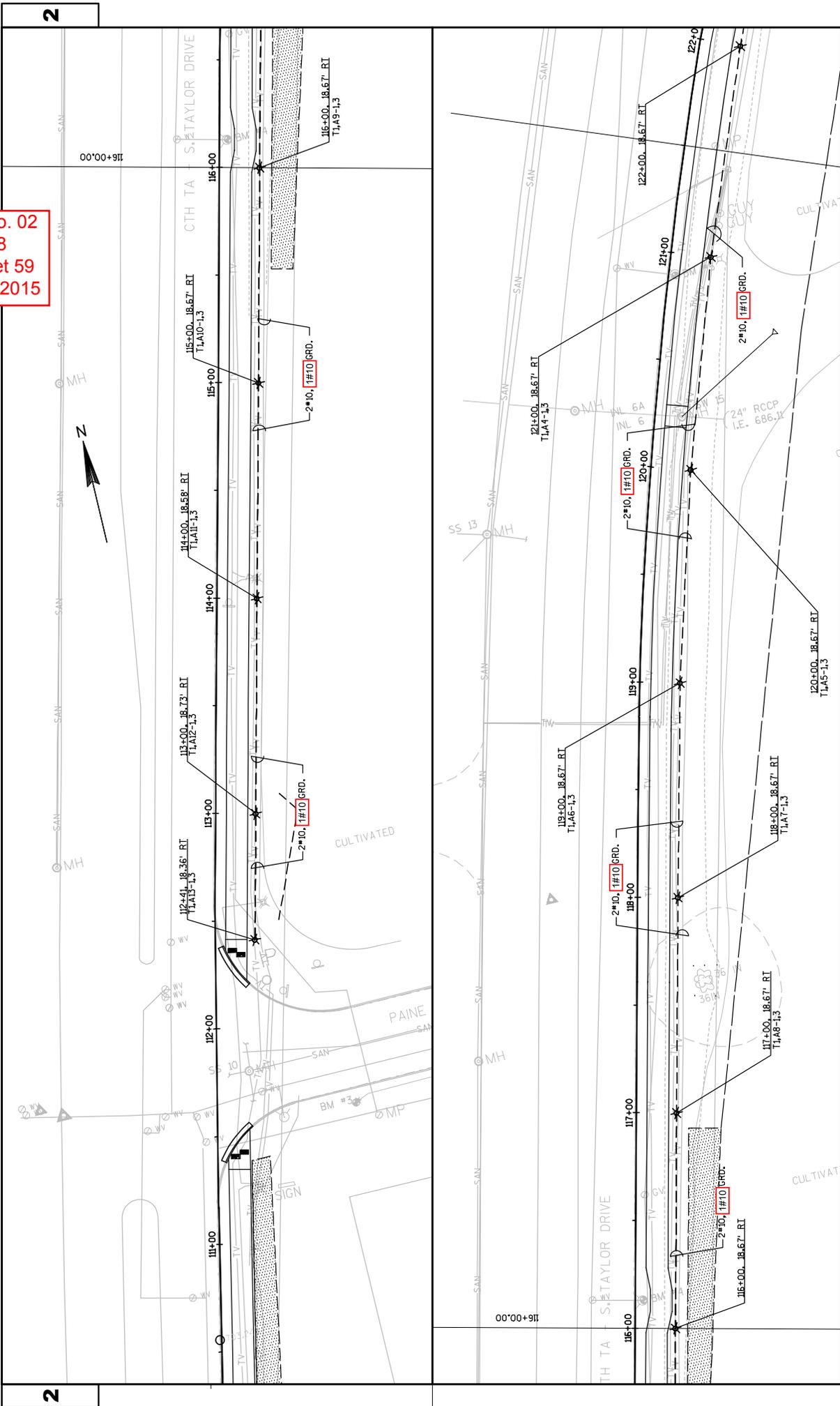
The following 8½ x 11-inch sheets are attached and made part of the plans for this proposal:

Revised: 59-66, 119, 121, 123,

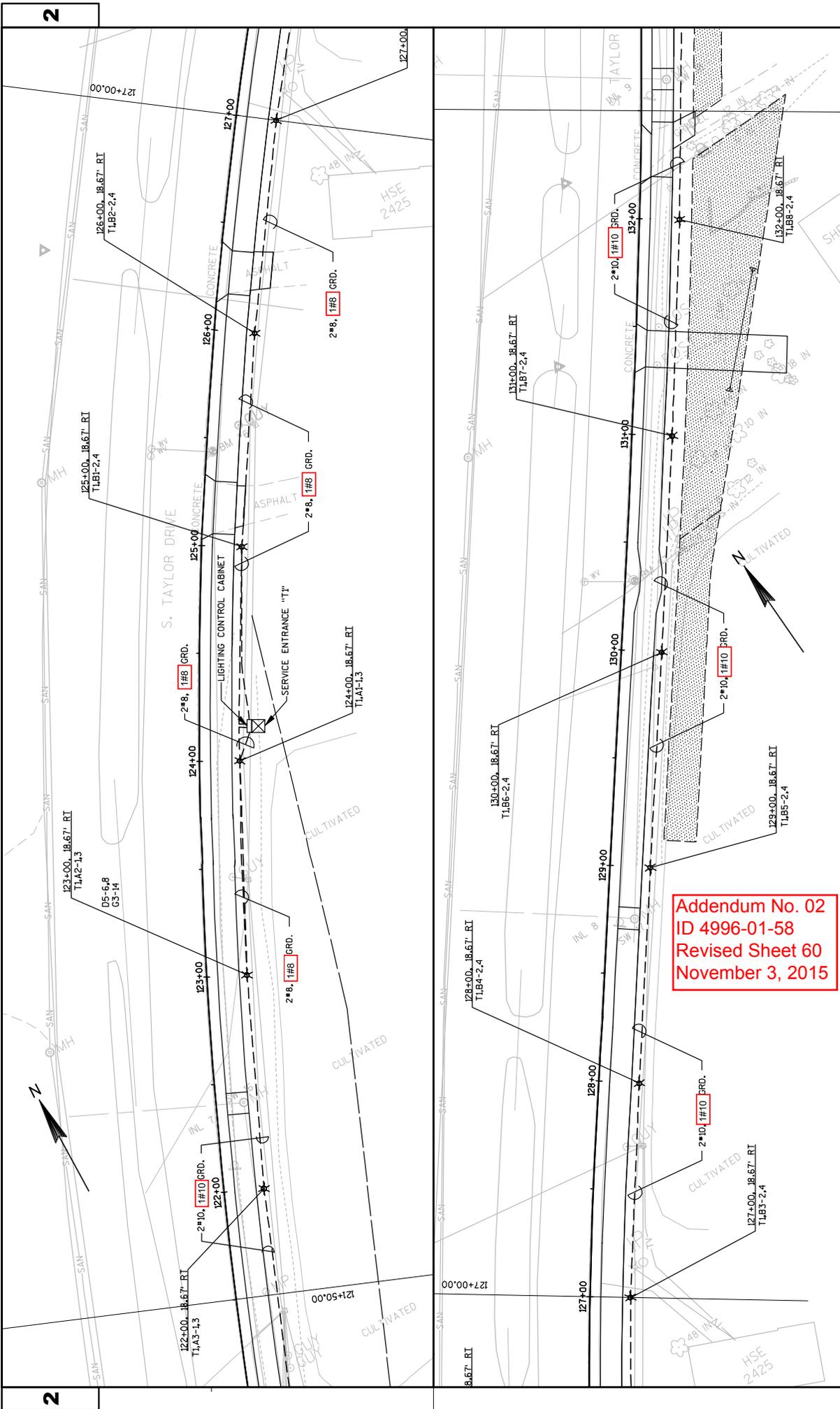
Added: 96A – 96C and 218A

END OF ADDENDUM

Addendum No. 02
 ID 4996-01-58
 Revised Sheet 59
 November 3, 2015



PROJECT NO: 4996-01-58	COUNTY: SHEBOYGAN	LIGHTING PLANS	SHEET 59	E
PLOT DATE : 1.13.2015 10:34 AM		PLOT NAME :		PLOT SCALE : 1" = 40' XREF
PLOT BY : HOLZWART, JOE		WISDOT/CADD SHEET 44		LAYOUT NAME - 023501.LP - 023501

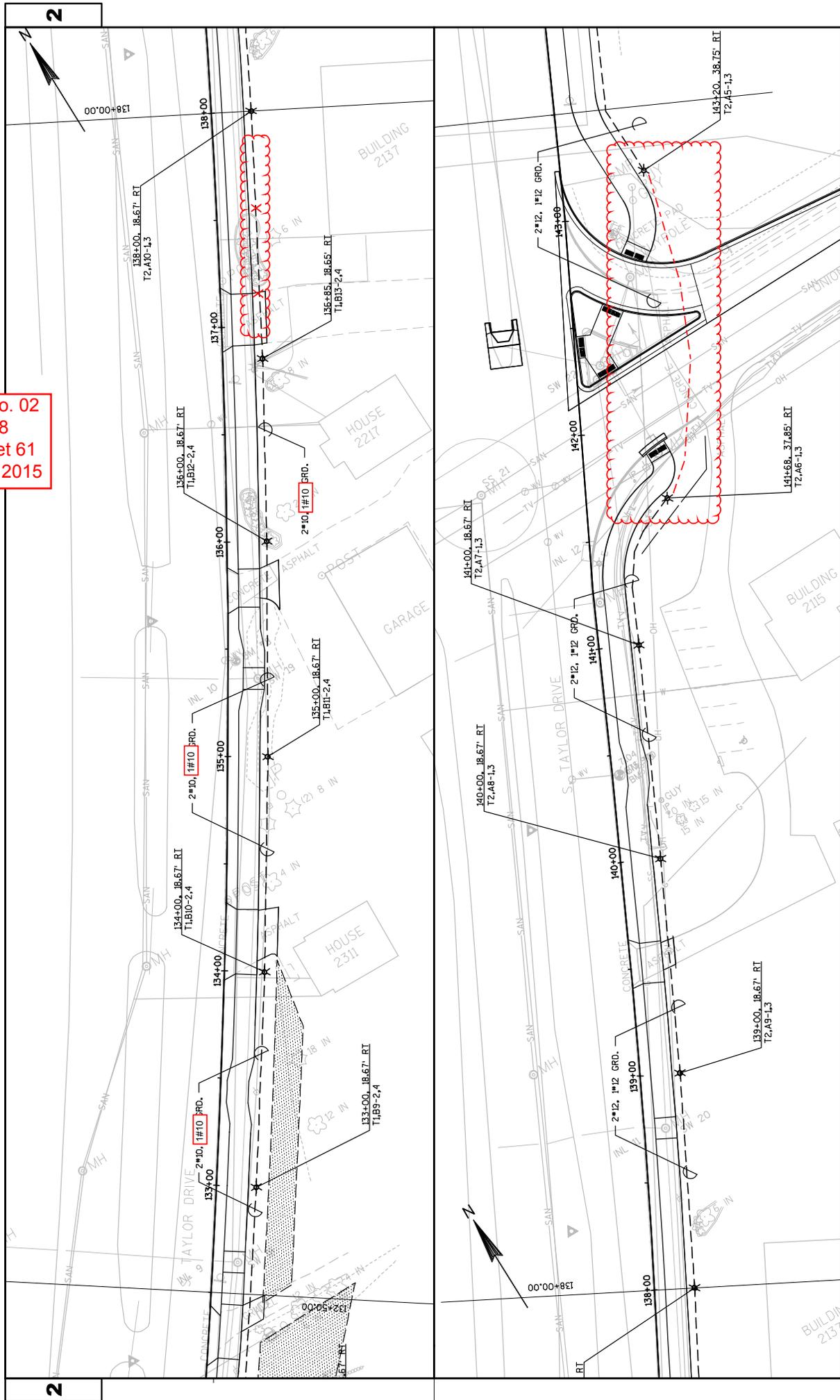


Addendum No. 02
 ID 4996-01-58
 Revised Sheet 60
 November 3, 2015

2

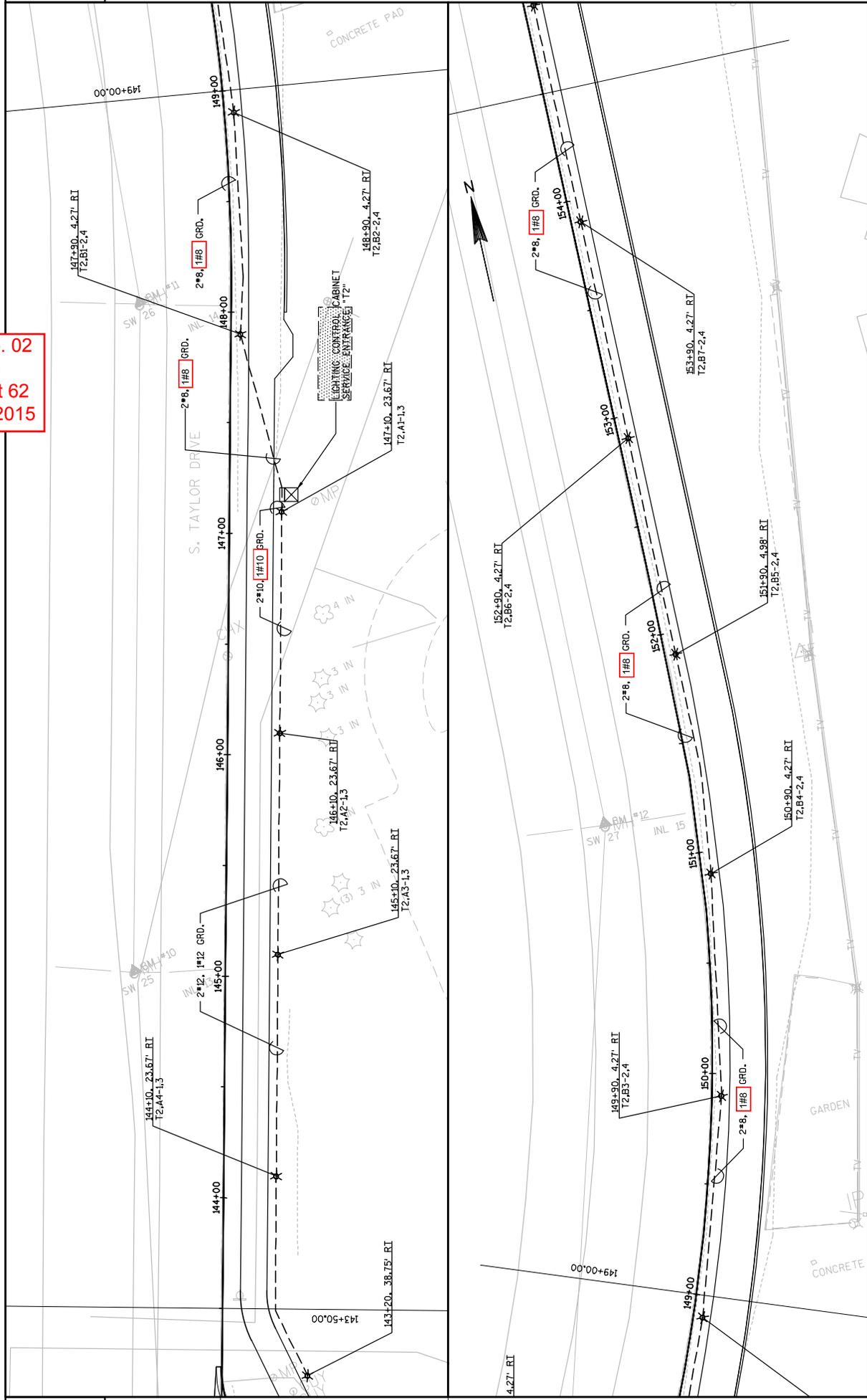
2

Addendum No. 02
 ID 4996-01-58
 Revised Sheet 61
 November 3, 2015

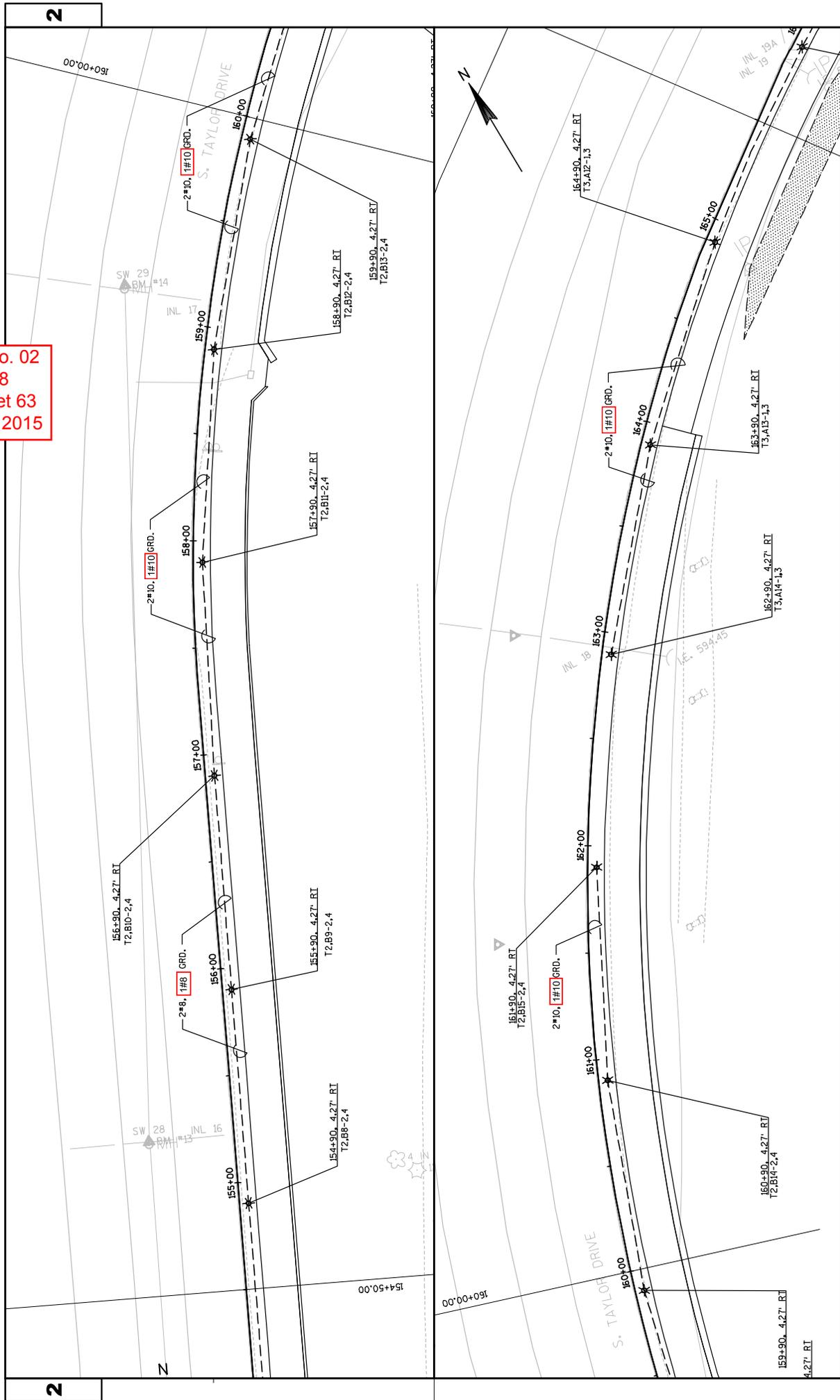


PROJECT NO: 4996-01-58	COUNTY: SHEBOYGAN	LIGHTING PLANS	SHEET 61
FILE NAME : L:\PROJECTS\11744\DWG\023501.LP.DWG	PLLOT BY : HOLZWART, JOE	PLLOT NAME :	WISDOT/CADD SHEET 44
LAYOUT NAME - 023501.LP - 023503	PLLOT DATE : 1.13.2015 10:35 AM	PLLOT SCALE : 1" = 40' .XREF	
HWY: TAYLOR DRIVE			

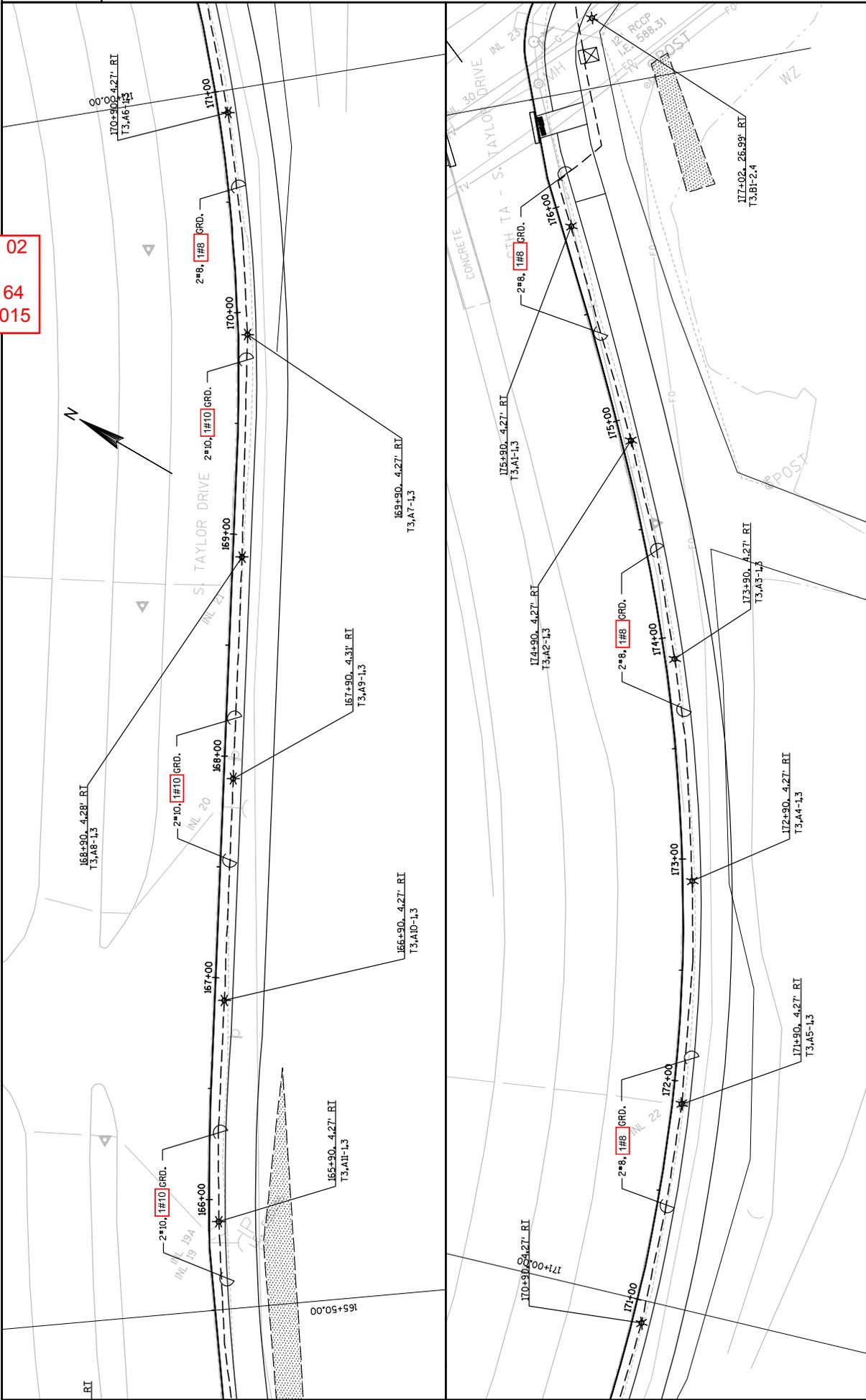
Addendum No. 02
ID 4996-01-58
Revised Sheet 62
November 3, 2015



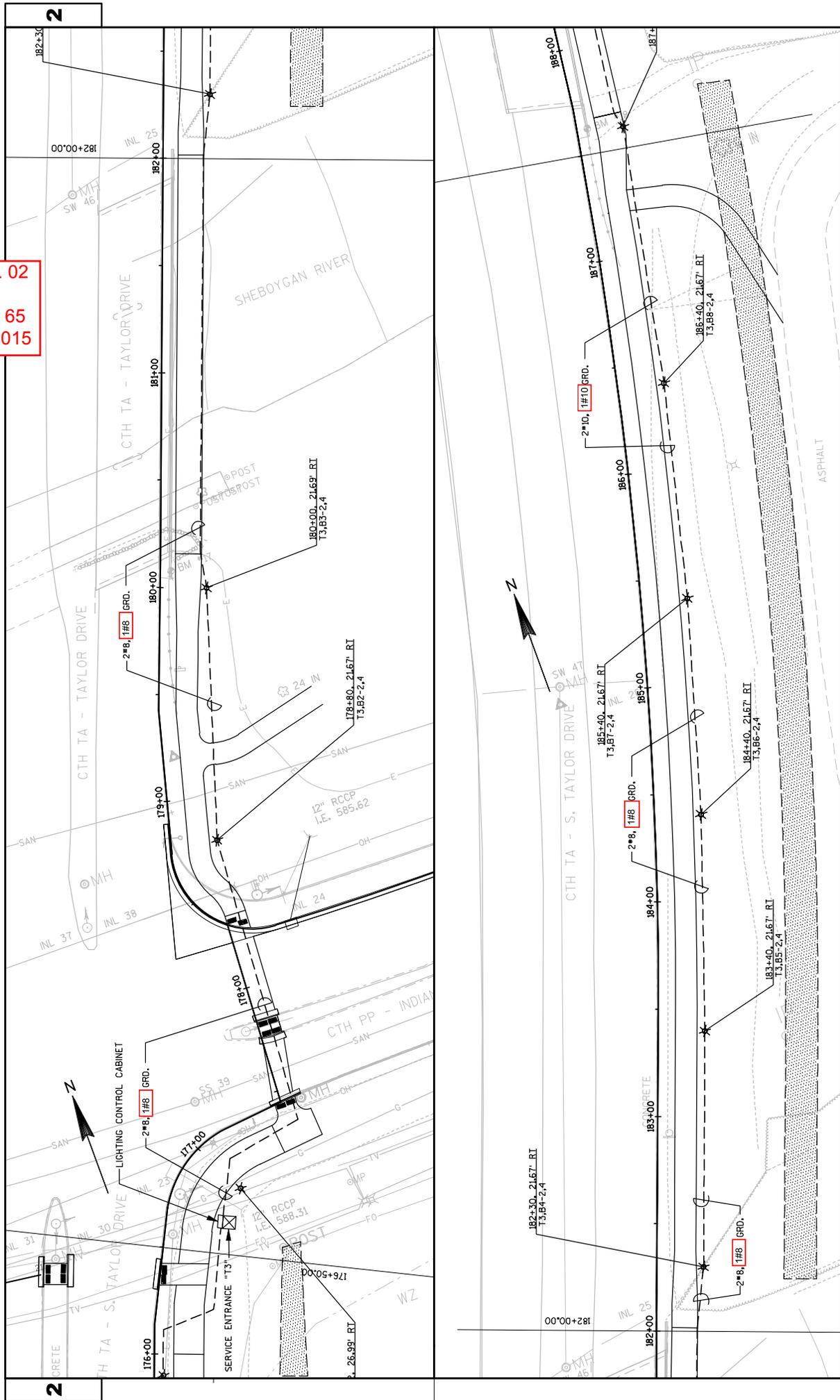
Addendum No. 02
ID 4996-01-58
Revised Sheet 63
November 3, 2015



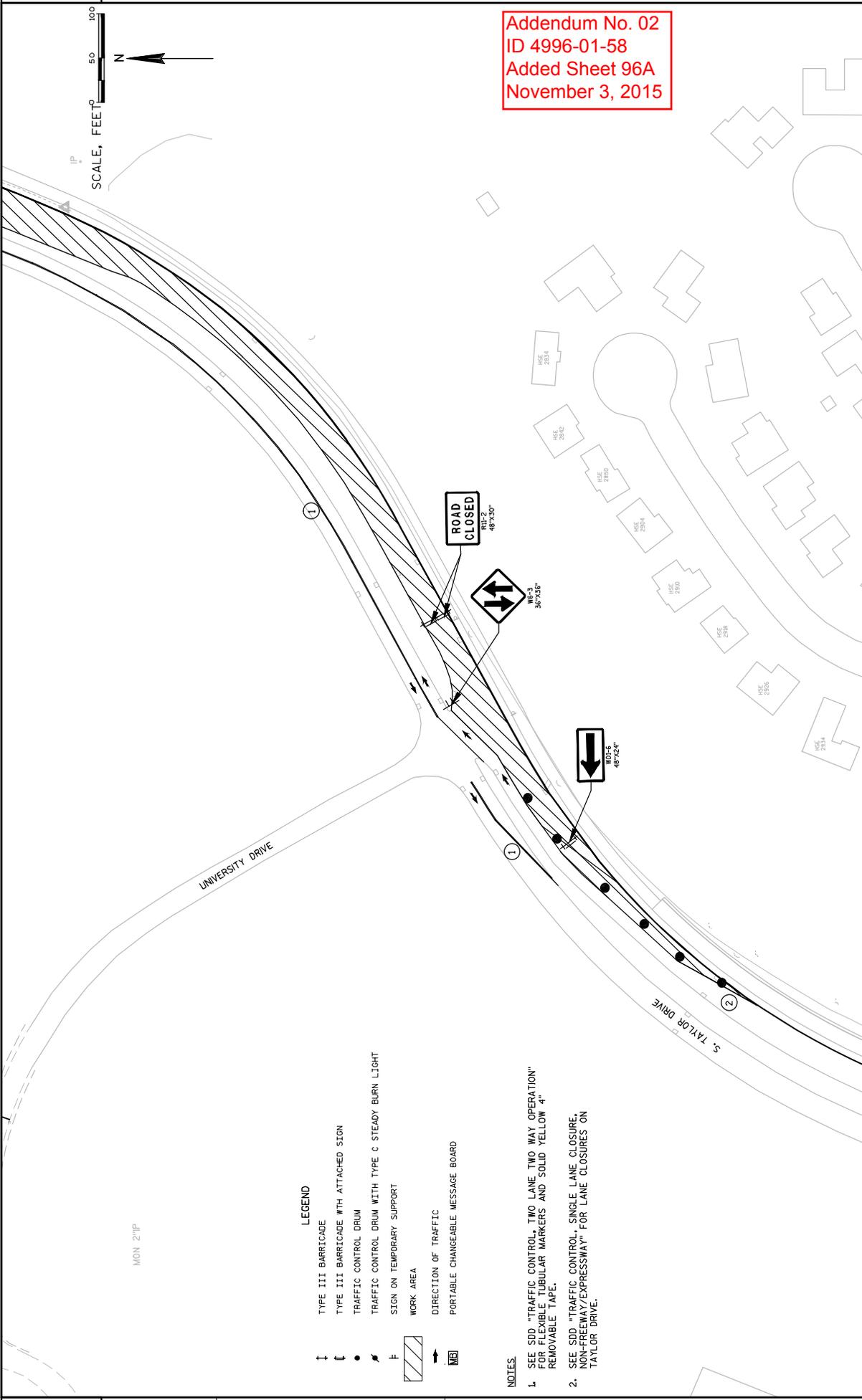
Addendum No. 02
 ID 4996-01-58
 Revised Sheet 64
 November 3, 2015



Addendum No. 02
 ID 4996-01-58
 Revised Sheet 65
 November 3, 2015



PROJECT NO: 4996-01-58	COUNTY: SHEBOYGAN	SHEET 65
HWY: TAYLOR DRIVE	LIGHTING PLANS	WISDOT/CADD SHEET 44
FILE NAME : L:\PROJECTS\11744\DWG\023501.LP.DWG LAYOUT NAME - 023501.LP - 023507 PLOT DATE : 1.13.2015 10:37 AM PLOT BY : HOLZWART, JOE PLOT NAME : PLOT SCALE : 1" = 40' .XREF		



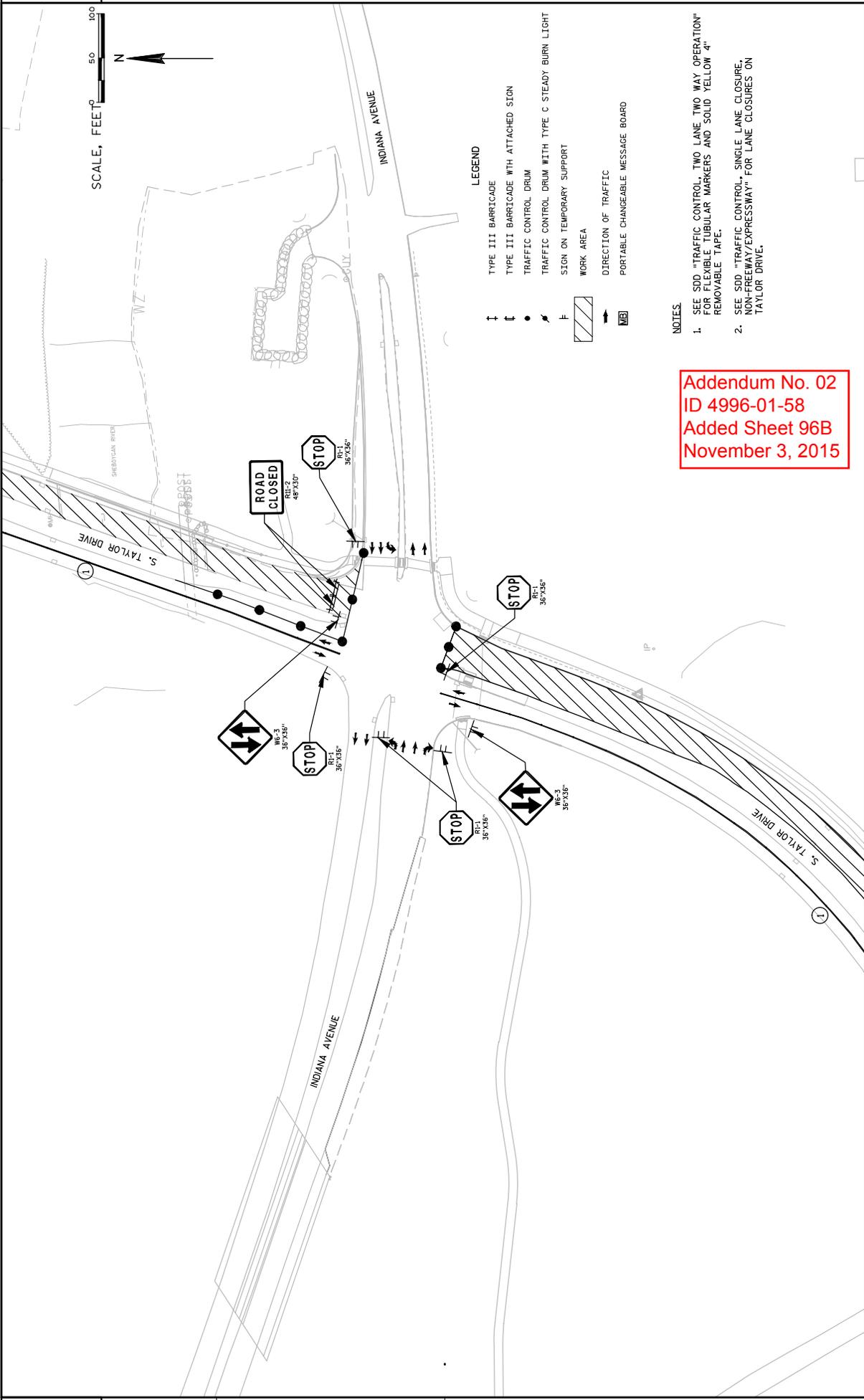
Addendum No. 02
 ID 4996-01-58
 Added Sheet 96A
 November 3, 2015

LEGEND

- ↑ TYPE III BARRICADE
- ↓ TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- ⊙ TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- ⊞ SIGN ON TEMPORARY SUPPORT
- ▨ WORK AREA
- DIRECTION OF TRAFFIC
- ⊞ PORTABLE CHANGEABLE MESSAGE BOARD

NOTES

1. SEE SDD "TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION" FOR FLEXIBLE TUBULAR MARKERS AND SOLID YELLOW 4" REMOVABLE TAPE.
2. SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREWAY/EXPRESSWAY" FOR LANE CLOSURES ON TAYLOR DRIVE.



- LEGEND**
- ↑ TYPE III BARRICADE
 - ↓ TYPE III BARRICADE WITH ATTACHED SIGN
 - TRAFFIC CONTROL DRUM
 - ⊕ TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
 - ⊞ SIGN ON TEMPORARY SUPPORT
 - ▨ WORK AREA
 - DIRECTION OF TRAFFIC
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NOTES

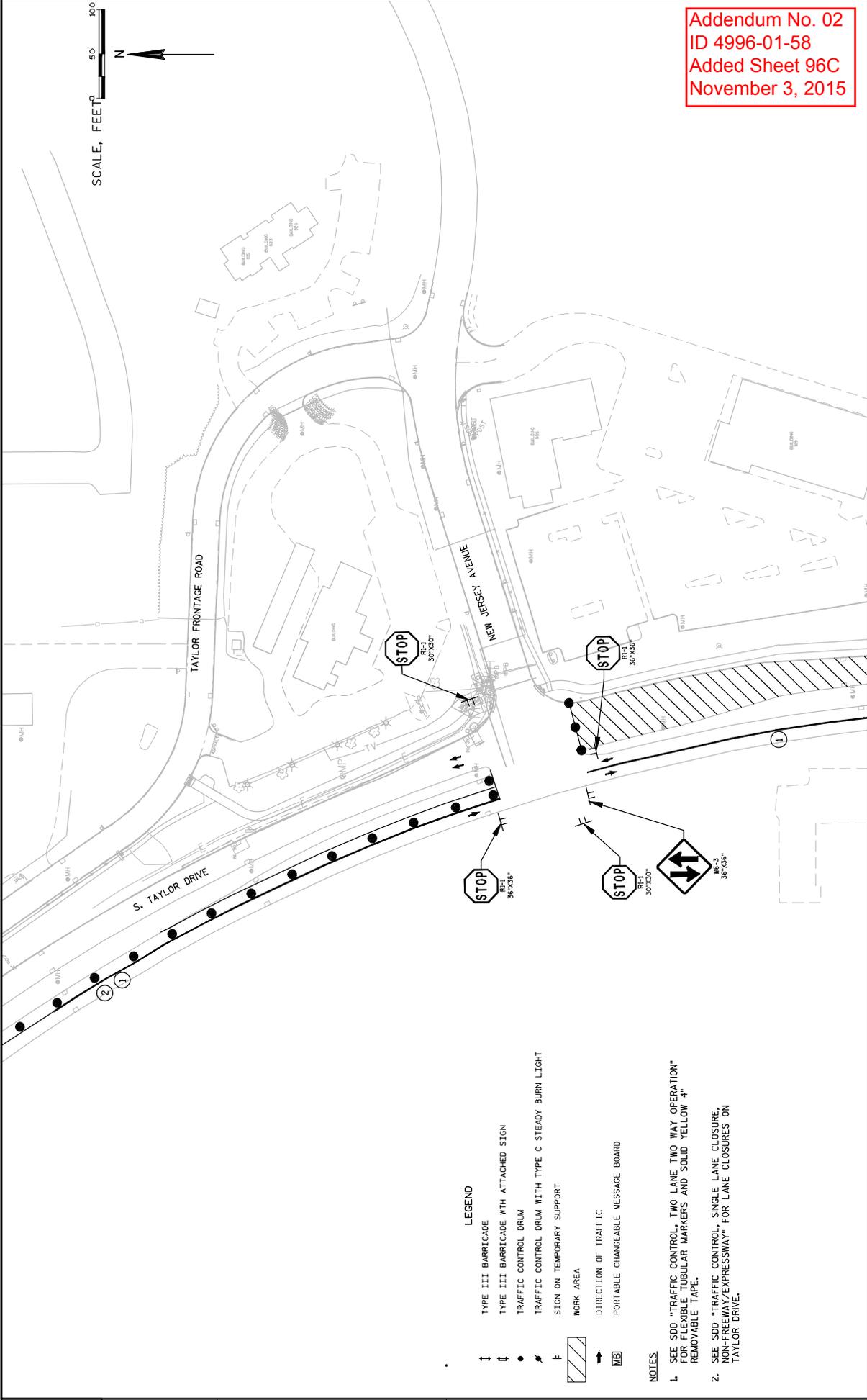
1. SEE SDD "TRAFFIC CONTROL - TWO LANE TWO WAY OPERATION" FOR FLEXIBLE TUBULAR MARKERS AND SOLID YELLOW 4" REMOVABLE TAPE.
2. SEE SDD "TRAFFIC CONTROL - SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY" FOR LANE CLOSURES ON TAYLOR DRIVE.

Addendum No. 02
ID 4996-01-58
Added Sheet 96B
November 3, 2015

SCALE, FEET 0 50 100



Addendum No. 02
ID 4996-01-58
Added Sheet 96C
November 3, 2015



- LEGEND**
- ↑ TYPE III BARRICADE
 - ↓ TYPE III BARRICADE WITH ATTACHED SIGN
 - TRAFFIC CONTROL DRUM
 - TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
 - ⊞ SIGN ON TEMPORARY SUPPORT
 - ▨ WORK AREA
 - DIRECTION OF TRAFFIC
 - M31 PORTABLE CHANGEABLE MESSAGE BOARD

- NOTES**
1. SEE SDD "TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION" FOR FLEXIBLE TUBULAR MARKERS AND SOLID YELLOW 4" REMOVABLE TAPE.
 2. SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY" FOR LANE CLOSURES ON TAYLOR DRIVE.

TRAFFIC CONTROL ITEMS

ROADWAY	DESCRIPTION	DAYS IN SERVICE	ITEM NO. 643.0200 TRAFFIC SURVEILLANCE AND MAINTENANCE	ITEM NO. 643.0300 TRAFFIC CONTROL DRUMS	ITEM NO. 643.0420 TRAFFIC CONTROL BARRICADES TYPE III	ITEM NO. 643.0600 TRAFFIC CONTROL SIGNS	ITEM NO. 643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A	ITEM NO. 643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C	ITEM NO. 643.1050 TRAFFIC CONTROL SIGNS PCMS	ITEM NO. 643.0800 TRAFFIC CONTROL ARROW BOARDS	ITEM NO. 648.0300 TEMPORARY PAVEMENT MARKING REFLECTIVE TAPE 4-INCH
			NO. DAYS	NO. DAYS	NO. DAYS	NO. DAYS	NO. DAYS	NO. DAYS	NO. DAYS	NO. DAYS	NO. DAYS
TAYLOR DRIVE - STRUCTURES	142+00 - 178+00	170	46 7,820	4 680	4 680	4 680	8 1,360	5 880	0 0	0 0	0 0
TAYLOR DRIVE - STRUCTURES	178+00 - 197+50	70	30 2,100	2 140	2 140	4 280	4 280	5 350	0 0	0 0	0 0
TAYLOR DRIVE	99+50 - 121+50	80	32 2,560	3 240	3 240	6 480	6 480	5 400	1 14	1 80	0 0
TAYLOR DRIVE	121+50 - 142+00	80	32 2,560	3 240	3 240	6 480	6 480	5 400	0 0	0 0	0 0
TAYLOR DRIVE	142+00 - 178+00	80	46 3,680	4 320	4 320	8 640	8 640	5 400	0 0	0 0	0 0
TAYLOR DRIVE	178+00 - 197+50	80	30 2,400	2 160	2 160	4 320	4 320	5 400	0 0	0 0	0 0
TAYLOR DRIVE	197+50 - 201+50	80	14 1,120	1 80	1 80	2 160	2 160	5 400	0 0	0 0	0 0
TAYLOR DRIVE FRONTAGE RD	201+50 - 228+00	80	70 5,600	3 240	3 240	6 480	6 480	10 800	0 0	0 0	6,500
TAYLOR DRIVE	229+00 - 238+50	80	15 1,200	1 80	1 80	2 160	2 160	5 400	1 14	0 0	0 0
UNION	STAGE 1	25	18 450	4 100	4 100	7 175	7 175	10 250	1 25	1 25	440
UNION	STAGE 2	25	22 550	4 100	4 100	7 175	7 175	11 275	0 0	0 0	280
INDIANA	STAGE 1	25	39 975	3 75	3 75	5 125	5 125	14 350	0 0	1 25	0 0
INDIANA	STAGE 2	25	46 1,150	1 25	1 25	2 50	2 50	11 275	0 0	0 0	0 0
ERIE	STAGE 1	25	35 875	4 100	4 100	8 200	8 200	7 175	0 0	0 0	160
ERIE	STAGE 2	25	25 625	2 50	2 50	4 100	4 100	12 300	0 0	1 25	0 0
UNIVERSITY CONNECTION	19+00 - 21+00	20	10 200	0 0	0 0	0 0	0 0	10 200	0 0	0 0	0 0
BRIDGE ERECTION	165+00 - 200+00	14	50 700	5 70	5 70	25 350	8 112	10 140	0 0	0 0	7,000
UNDISTRIBUTED			110 4,069	198 800	198 800	465 675	145 475	140 475	17 45	0 0	0 0
PROJECT TOTALS		189	35,620	2,890	2,890	6,670	5,752	6,840	70	200	14,380

Addendum No. 02
 ID 4996-01-58
 Revised Sheet 119
 November 3, 2015

TRAFFIC CONTROL ITEMS CONTINUED

ROADWAY <th>DESCRIPTION <th>ITEM NO. 643.0500 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS EACH <th>ITEM NO. 643.0600 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES EACH </th></th></th>	DESCRIPTION <th>ITEM NO. 643.0500 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS EACH <th>ITEM NO. 643.0600 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES EACH </th></th>	ITEM NO. 643.0500 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS EACH <th>ITEM NO. 643.0600 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES EACH </th>	ITEM NO. 643.0600 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES EACH
BRIDGE ERECTION	165+00 - 200+00	35	5
UNDISTRIBUTED		5	5
PROJECT TOTALS		40	40

Addendum No. 02
ID 4996-01-58
Revised Sheet 121
November 3, 2015

CONDUIT AND WIRE QUANTITIES

CIRCUIT	FROM	TO *	ITEM NO. 652.0225 CONDUIT RIGID NON-METALLIC SCHEDULE 40 2-INCH		ITEM NO. 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG		ITEM NO. 655.0615 ELECTRICAL WIRE LIGHTING 10 AWG		ITEM NO. 655.0620 ELECTRICAL WIRE LIGHTING 8 AWG	
			LF	LF	LF	LF	LF	LF	LF	LF
T1	CABINET	A1	25	118	0	0	0	0	0	0
		A2	100	340	0	0	0	0	0	0
		A3	100	340	0	0	0	0	0	0
		A4	100	340	0	0	0	0	0	0
		A5	100	340	0	0	0	0	0	0
		A6	100	340	0	0	0	0	0	0
		A7	100	340	0	0	0	0	0	0
		A8	100	340	0	0	0	0	0	0
		A9	100	340	0	0	0	0	0	0
		A10	100	340	0	0	0	0	0	0
		A11	100	340	0	0	0	0	0	0
		A12	100	340	0	0	0	0	0	0
		A13	60	220	0	0	0	0	0	0
T1	CABINET	B1	75	265	0	0	0	0	0	0
		B2	100	340	0	0	0	0	0	0
		B3	100	340	0	0	0	0	0	0
		B4	100	340	0	0	0	0	0	0
		B5	100	340	0	0	0	0	0	0
		B6	100	340	0	0	0	0	0	0
		B7	100	340	0	0	0	0	0	0
		B8	100	340	0	0	0	0	0	0
		B9	100	340	0	0	0	0	0	0
		B10	100	340	0	0	0	0	0	0
		B11	100	340	0	0	0	0	0	0
		B12	100	340	0	0	0	0	0	0
		B13	85	295	0	0	0	0	0	0
B14	0	0	0	0	0	0	0	0		
B15	0	0	0	0	0	0	0	0		
T2	CABINET	A1	7	61	0	0	0	0	0	0
		A2	100	340	0	0	0	0	0	0
		A3	100	340	0	0	0	0	0	0
		A4	100	320	0	0	0	0	0	0
		A5	110	350	0	0	0	0	0	0
		A6	145	455	0	0	0	0	0	0
		A7	100	320	0	0	0	0	0	0
		A8	100	320	0	0	0	0	0	0
		A9	100	320	0	0	0	0	0	0
		A10	100	320	0	0	0	0	0	0
T2	CABINET	B1	75	265	0	0	0	0	0	0
		B2	100	340	0	0	0	0	0	0
		B3	100	340	0	0	0	0	0	0
		B4	100	340	0	0	0	0	0	0
		B5	100	340	0	0	0	0	0	0
		B6	100	340	0	0	0	0	0	0
		B7	100	340	0	0	0	0	0	0
		B8	100	340	0	0	0	0	0	0
		B9	100	340	0	0	0	0	0	0
		B10	100	340	0	0	0	0	0	0
		B11	100	340	0	0	0	0	0	0
		B12	100	340	0	0	0	0	0	0
		B13	100	340	0	0	0	0	0	0
B14	100	340	0	0	0	0	0	0		
B15	100	340	0	0	0	0	0	0		

(CONTINUED)
* = WIRE IN THE POLE TO THE FIXTURE IS INCLUDED IN THE TO* POLE.
** = ADDITIONAL QUANTITY ELSEWHERE

CONDUIT AND WIRE QUANTITIES (CONTINUED)

CIRCUIT	FROM	TO *	ITEM NO. 652.0225 CONDUIT RIGID NON-METALLIC SCHEDULE 40 2-INCH		ITEM NO. 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG		ITEM NO. 655.0615 ELECTRICAL WIRE LIGHTING 10 AWG		ITEM NO. 655.0620 ELECTRICAL WIRE LIGHTING 8 AWG	
			LF	LF	LF	LF	LF	LF	LF	LF
T3	CABINET	A1	100	340	0	0	0	0	0	0
		A2	100	340	0	0	0	0	0	0
		A3	100	340	0	0	0	0	0	0
		A4	100	340	0	0	0	0	0	0
		A5	100	340	0	0	0	0	0	0
		A6	100	340	0	0	0	0	0	0
		A7	100	340	0	0	0	0	0	0
		A8	100	340	0	0	0	0	0	0
		A9	100	340	0	0	0	0	0	0
		A10	100	340	0	0	0	0	0	0
		A11	100	340	0	0	0	0	0	0
		A12	100	340	0	0	0	0	0	0
		A13	100	340	0	0	0	0	0	0
T3	CABINET	B1	15	85	0	0	0	0	0	0
		B2	200	640	0	0	0	0	0	0
		B3	120	404	0	0	0	0	0	0
		B4	230	734	0	0	0	0	0	0
		B5	110	370	0	0	0	0	0	0
		B6	100	340	0	0	0	0	0	0
		B7	100	340	0	0	0	0	0	0
		B8	100	340	0	0	0	0	0	0
		B9	120	400	0	0	0	0	0	0
		B10	170	554	0	0	0	0	0	0
		B11	140	464	0	0	0	0	0	0
		B12	110	370	0	0	0	0	0	0
		B13	100	340	0	0	0	0	0	0
T4	CABINET	A1	60	200	0	0	0	0	0	0
		A2	105	335	0	0	0	0	0	0
T4	CABINET	B1	50	170	0	0	0	0	0	0
		B2	100	320	0	0	0	0	0	0
TOTALS			8312	3750	14264	10018				

* = WIRE IN THE POLE TO THE FIXTURE IS INCLUDED IN THE TO* POLE.
** = ADDITIONAL QUANTITY ELSEWHERE

NON-METALLIC CONDUIT		652-0235 CONDUIT SCHEDULE 40 2-INCH L.F.	652-0235 * CONDUIT SCHEDULE 40 3-INCH L.F.	652-0615 CONDUIT SCHEDULE 40 3-INCH L.F.
LOCATION	LOCATION	LOCATION	LOCATION	LOCATION
TAYLOR DR AT UNION AVE	CB1-PB1	-	30	-
	PB1-SB1	15	-	-
	PB1-PB2	120	-	-
	PB1-PB3	-	135	-
	PB3-SB2	15	-	-
	PB3-SB3	15	-	-
	PB3-SB4	10	-	-
	PB3-PB4	-	130	-
	PB3-PB14	-	110	-
	PB4-SB5	20	-	-
	PB15-SB13	40	-	-
SUBTOTAL		230	165	240
TAYLOR DR AT INDIANA AVE	PB5-SB4	15	-	-
	PB10-SB7	25	-	-
	PB8-SB13	5	-	-
	PB9-SB14	10	-	-
	PB12-SB15	10	-	-
SUBTOTAL		65	0	0
TAYLOR DR AT NEW JERSEY AVE	PB23-SB11	20	-	-
	PB6-SB12	20	-	-
SUBTOTAL		40	0	0
TAYLOR DR AT ERIE AVE	PB6-SB6	15	-	-
SUBTOTAL		15	0	0
TOTAL		330	165	240

PULL BOXES		653-0140 PULL BOXES ADJUSTING PULL 24X24 INCH BECS EACH	653-0900 PULL BOXES ADJUSTING PULL 24X24 INCH BECS EACH
LOCATION	LOCATION	LOCATION	LOCATION
TAYLOR DR AT UNION AVE	PB1	142+86.7	23.6 RT
	PB2	143+09.7	132.5 RT
	PB3	142+40.6	19.4 RT
	PB4	141+77.3	25.6 RT
	PB4	FIELD	LOCATE
SUBTOTAL		4	1
TOTAL		4	1

REMOVING PULL BOXES		653-0905 REMOVING PULL BOXES EACH
LOCATION	LOCATION	LOCATION
TAYLOR DR AT UNION AVE	PB1	FIELD LOCATE
	PB2	FIELD LOCATE
	PB3	FIELD LOCATE
	PB4	FIELD LOCATE
SUBTOTAL		4
TOTAL		4

CONCRETE BASES		654-0101 CONCRETE BASES TYPE 1 EACH	654-0102 CONCRETE BASES TYPE 2 EACH
LOCATION	LOCATION	LOCATION	LOCATION
TAYLOR DR AT UNION AVE	SB1	142+82.6	39.9 RT
	SB2	142+51.2	22.9 RT
	SB3	142+47.8	6.4 RT
	SB4	142+34.4	18.9 RT
	SB5	141+91.6	40.7 RT
	SB13	142+97.2	33.7 LT
SUBTOTAL		5	1
TAYLOR DR AT INDIANA AVE	SB4	178+33.2	11.5 RT
	SB7	176+30.7	5.8 RT
	SB13	177+79.1	11.4 RT
	SB14	177+38.4	4.8 RT
	SB15	176+30.5	48.1 LT
SUBTOTAL		5	0
TAYLOR DR AT NEW JERSEY AVE	SB11	197+79.0	4.7 RT
	SB12	197+06.7	4.0 RT
SUBTOTAL		2	0
TAYLOR DR AT ERIE AVE	SB6	229+74.5	6.8 RT
SUBTOTAL		1	-
TOTAL		12	2

LIGHTING ELECTRICAL CABLE		655-0320 CABLE TYPE UF- 2-10 AWG GROUNDING L.F.
LOCATION	LOCATION	LOCATION
TAYLOR DR AT UNION AVE	CB1-SB3	120
	SB3-SB6	215
	CB1-SB11	220
	SB11-SB8	195
TOTAL		750

LIGHTING ELECTRICAL WIRE		655-0615 ELECTRICAL WIRE- LIGHTING-10 AWG L.F.
LOCATION	LOCATION	LOCATION
TAYLOR DR AT UNION AVE	SB3-LUMINAIRE 1	120
	SB6-LUMINAIRE 1	120
	SB8-LUMINAIRE 1	120
	SB11-LUMINAIRE 1	120
TOTAL		480

REMOVING CONCRETE BASES		204-0195 REMOVING CONCRETE BASES EACH
LOCATION	LOCATION	LOCATION
TAYLOR DR AT UNION AVE	SB1	FIELD LOCATE
	SB2	FIELD LOCATE
	SB3	FIELD LOCATE
	SB11	FIELD LOCATE
SUBTOTAL		4
TAYLOR DR AT INDIANA AVE	SB4	FIELD LOCATE
	SB7	FIELD LOCATE
SUBTOTAL		2
TAYLOR DR AT ERIE AVE	SB6	FIELD LOCATE
SUBTOTAL		1
TOTAL		7

MODIFY TRAFFIC SIGNALS		SPV-0105-02 MODIFY TRAFFIC SIGNALS LS	SPV-0105-03 MODIFY TRAFFIC SIGNALS LS	SPV-0105-04 MODIFY TRAFFIC SIGNALS LS	SPV-0105-05 MODIFY TRAFFIC SIGNALS LS
LOCATION	LOCATION	LOCATION	LOCATION	LOCATION	LOCATION
TAYLOR DR AT UNION AVE		1	-	-	-
TAYLOR DR AT INDIANA AVE		-	1	-	-
TAYLOR DR AT NEW JERSEY AVE		-	-	1	-
TAYLOR DR AT ERIE AVE		-	-	-	1
TOTAL		1	1	1	1

TEMPORARY SIGNALS		661-0200-01 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS LS	661-0300 GENERATORS DAY	SPV-0105-01 TEMPORARY NON-INTRUSIVE VEHICLE DETECTION SYSTEM FOR INTERSECTIONS LS
LOCATION	LOCATION	LOCATION	LOCATION	LOCATION
TAYLOR DR AT UNION AVE		1	2	1
TOTAL		1	2	1

Addendum No. 02
ID 4996-01-58
Revised Sheet 123
November 3, 2015

GENERAL NOTES

ALL SIGNS ARE 48"x48" UNLESS OTHERS NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

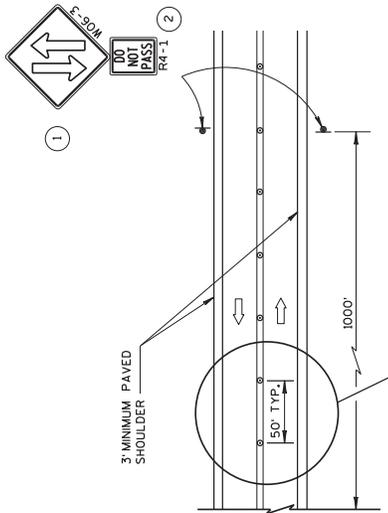
ANY SIGNS TEMPORARY OR EXISTING WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

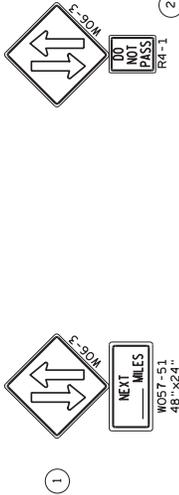
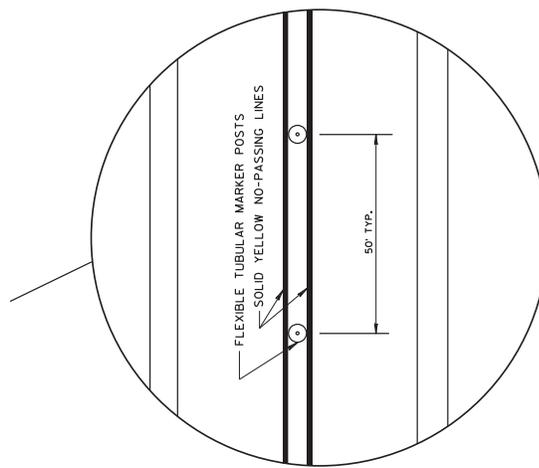
THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.

A SINGLE ROW OF FLEXIBLE TUBULAR MARKERS ON CENTERLINE EXTEND FOR THE ENTIRE LENGTH OF TWO-WAY TRAFFIC AT 50-FOOT SPACING.

COVER EXISTING CENTERLINE STRIPE WITH TEMPORARY PAVEMENT MARKING, 4-INCH DOUBLE YELLOW.



TWO LANE, TWO WAY OPERATION



THE W06-3 WITH THE W057-51 SHALL BE LOCATED 200 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP AND/OR 500 FEET BEYOND ANY SIDEROAD. THE W06-3 WITH THE R4-1 SHALL BE LOCATED 1000 FEET BEYOND THE W06-3 AND THE W057-51 AND THE SIGNS SHALL BE ALTERNATED WITH ONE MILE INTERVALS BETWEEN W06-3 SIGNS.

CONVENTIONAL: 24"x30"
FREEWAY AND EXPRESSWAY: 36"x48"

LEGEND

- SIGN ON PERMANENT SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- ↑ DIRECTION OF TRAFFIC

Addendum No. 02
ID 4996-01-58
Added Sheet 218A
November 3, 2015

TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVED _____ /S/ Travis Fettes DATE 8/2013 STATE TRAFFIC ENGINEER OF DESIGN PWMA

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20151110021PROJECT(S):
4996-01-58FEDERAL ID(S):
WISC 2015144

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0740	637.2210 Signs Type II Reflective H	120.250 SF	.	.	.	.
0750	637.2230 Signs Type II Reflective F	93.240 SF	.	.	.	.
0760	638.2102 Moving Signs Type II	4.000 EACH	.	.	.	.
0770	638.2602 Removing Signs Type II	11.000 EACH	.	.	.	.
0780	638.3000 Removing Small Sign Supports	13.000 EACH	.	.	.	.
0790	638.4000 Moving Small Sign Supports	2.000 EACH	.	.	.	.
0800	642.5001 Field Office Type B	1.000 EACH	.	.	.	.
0810	643.0200 Traffic Control Surveillance and Maintenance (project) 01. 4996-01-58	189.000 DAY	.	.	.	.
0820	643.0300 Traffic Control Drums	35,620.000 DAY	.	.	.	.
0830	643.0420 Traffic Control Barricades Type III	2,890.000 DAY	.	.	.	.
0840	643.0705 Traffic Control Warning Lights Type A	5,752.000 DAY	.	.	.	.

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20151110021PROJECT(S):
4996-01-58FEDERAL ID(S):
WISC 2015144

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0850	643.0715 Traffic Control Warning Lights Type C	6,840.000 DAY	.		.	
0860	643.0800 Traffic Control Arrow Boards	200.000 DAY	.		.	
0870	643.0900 Traffic Control Signs	6,670.000 DAY	.		.	
0880	643.1050 Traffic Control Signs PCMS	70.000 DAY	.		.	
0890	645.0112 Geotextile Fabric Type DF Schedule B	2,438.000 SY	.		.	
0900	645.0120 Geotextile Fabric Type HR	106.000 SY	.		.	
0910	646.0106 Pavement Marking Epoxy 4-Inch	4,685.000 LF	.		.	
0920	646.0600 Removing Pavement Markings	591.000 LF	.		.	
0930	647.0156 Pavement Marking Arrows Epoxy Type 1	1.000 EACH	.		.	
0940	647.0166 Pavement Marking Arrows Epoxy Type 2	1.000 EACH	.		.	
0950	647.0176 Pavement Marking Arrows Epoxy Type 3	1.000 EACH	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20151110021PROJECT(S):
4996-01-58FEDERAL ID(S):
WISC 2015144

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0960	647.0556 Pavement Marking Stop Line Epoxy 12-Inch	299.000 LF	.	.	.	.
0970	647.0606 Pavement Marking Island Nose Epoxy	1.000 EACH	.	.	.	.
0980	647.0766 Pavement Marking Crosswalk Epoxy 6-Inch	1,003.000 LF	.	.	.	.
0990	647.0786 Pavement Marking Crosswalk Epoxy 18-Inch	946.000 LF	.	.	.	.
1000	649.0300 Temporary Pavement Marking Reflective Tape 4-Inch	14,380.000 LF	.	.	.	.
1010	650.4000 Construction Staking Storm Sewer	3.000 EACH	.	.	.	.
1020	650.4500 Construction Staking Subgrade	14,352.000 LF	.	.	.	.
1030	650.5000 Construction Staking Base	14,352.000 LF	.	.	.	.
1040	650.5500 Construction Staking Curb Gutter and Curb & Gutter	929.000 LF	.	.	.	.
1050	650.6000 Construction Staking Pipe Culverts	4.000 EACH	.	.	.	.

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20151110021PROJECT(S):
4996-01-58FEDERAL ID(S):
WISC 2015144

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1160	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch	8,677.000 LF	.	.	.	.
1170	652.0235 Conduit Rigid Nonmetallic Schedule 40 3-Inch	165.000 LF	.	.	.	.
1180	652.0615 Conduit Special 3-Inch	240.000 LF	.	.	.	.
1190	652.0800 Conduit Loop Detector	478.000 LF	.	.	.	.
1200	652.0900 Loop Detector Slots	270.000 LF	.	.	.	.
1210	653.0140 Pull Boxes Steel 24x42-Inch	4.000 EACH	.	.	.	.
1220	653.0900 Adjusting Pull Boxes	1.000 EACH	.	.	.	.
1230	653.0905 Removing Pull Boxes	4.000 EACH	.	.	.	.
1240	654.0101 Concrete Bases Type 1	12.000 EACH	.	.	.	.
1250	654.0102 Concrete Bases Type 2	2.000 EACH	.	.	.	.
1260	654.0200 Concrete Control Cabinet Bases Type 6	4.000 EACH	.	.	.	.

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20151110021

PROJECT(S):
4996-01-58

FEDERAL ID(S):
WISC 2015144

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1270	655.0230 Cable Traffic Signal 5-14 AWG	580.000 LF	.	.	.	.
1280	655.0240 Cable Traffic Signal 7-14 AWG	335.000 LF	.	.	.	.
1290	655.0260 Cable Traffic Signal 12-14 AWG	3,335.000 LF	.	.	.	.
1300	655.0320 Cable Type UF 2-10 AWG Grounded	750.000 LF	.	.	.	.
1310	655.0515 Electrical Wire Traffic Signals 10 AWG	2,445.000 LF	.	.	.	.
1320	655.0610 Electrical Wire Lighting 12 AWG	3,750.000 LF	.	.	.	.
1330	655.0615 Electrical Wire Lighting 10 AWG	14,744.000 LF	.	.	.	.
1340	655.0620 Electrical Wire Lighting 8 AWG	10,018.000 LF	.	.	.	.
1350	655.0700 Loop Detector Lead In Cable	4,005.000 LF	.	.	.	.
1360	655.0800 Loop Detector Wire	1,506.000 LF	.	.	.	.
1370	656.0200 Electrical Service Meter Breaker Pedestal (location) 01. 236+00	LUMP	LUMP	.	.	.

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20151110021

PROJECT(S):
4996-01-58

FEDERAL ID(S):
WISC 2015144

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1380	656.0200 Electrical Service Meter Breaker Pedestal (location) 02. 176+65	LUMP	LUMP			.
1390	656.0200 Electrical Service Meter Breaker Pedestal (location) 03. 148+00	LUMP	LUMP			.
1400	656.0200 Electrical Service Meter Breaker Pedestal (location) 04. 124+16	LUMP	LUMP			.
1410	657.0100 Pedestal Bases	EACH	12.000	.		.
1420	657.0255 Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	2.000	.		.
1430	657.0305 Poles Type 2	EACH	1.000	.		.
1440	657.0310 Poles Type 3	EACH	1.000	.		.
1450	657.0405 Traffic Signal Standards Aluminum 3. 5-FT	EACH	2.000	.		.
1460	657.0425 Traffic Signal Standards Aluminum 15-FT	EACH	6.000	.		.
1470	657.0430 Traffic Signal Standards Aluminum 10-FT	EACH	4.000	.		.

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1480	657.0590 Trombone Arms 20-FT	1.000 EACH	.		.	
1490	657.0595 Trombone Arms 25-FT	1.000 EACH	.		.	
1500	657.0609 Luminaire Arms Single Member 4-Inch Clamp 6-FT	1.000 EACH	.		.	
1510	658.0110 Traffic Signal Face 3-12 Inch Vertical	6.000 EACH	.		.	
1520	658.0120 Traffic Signal Face 5-12 Inch Vertical	1.000 EACH	.		.	
1530	658.0155 Traffic Signal Face 3-12 Inch Horizontal	2.000 EACH	.		.	
1540	658.0215 Backplates Signal Face 3 Section 12-Inch	8.000 EACH	.		.	
1550	658.0225 Backplates Signal Face 5 Section 12-Inch	1.000 EACH	.		.	
1560	658.0416 Pedestrian Signal Face 16-Inch	14.000 EACH	.		.	
1570	658.0500 Pedestrian Push Buttons	15.000 EACH	.		.	
1580	658.0600 Led Modules 12-Inch Red Ball	9.000 EACH	.		.	

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			DOLLARS	CTS	DOLLARS	CTS
1590	658.0605 Led Modules 12-Inch Yellow Ball	8.000 EACH	.		.	
1600	658.0610 Led Modules 12-Inch Green Ball	8.000 EACH	.		.	
1610	658.0620 Led Modules 12-Inch Yellow Arrow	2.000 EACH	.		.	
1620	658.0625 Led Modules 12-Inch Green Arrow	2.000 EACH	.		.	
1630	658.0635 Led Modules Pedestrian Countdown Timer 16-Inch	14.000 EACH	.		.	
1640	658.5069 Signal Mounting Hardware (location) 01. Taylor Drive & Erie Avenue	LUMP	LUMP		.	
1650	658.5069 Signal Mounting Hardware (location) 02. Taylor Drive & New Jersey Avenue	LUMP	LUMP		.	
1660	658.5069 Signal Mounting Hardware (location) 03. Taylor Drive & Indiana Avenue	LUMP	LUMP		.	
1670	658.5069 Signal Mounting Hardware (location) 04. Taylor Drive & Union Avenue	LUMP	LUMP		.	
1680	659.0125 Luminaires Utility HPS 250 Watts	1.000 EACH	.		.	

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			DOLLARS	CTS	DOLLARS	CTS
1690	661.0200 Temporary Traffic Signals for Intersections (location) 01. Taylor Drive & Union Avenue	LUMP	LUMP			.
1700	661.0300 Generators	2.000 DAY	.			.
1710	690.0150 Sawing Asphalt	590.000 LF	.			.
1720	690.0250 Sawing Concrete	1,325.000 LF	.			.
1730	715.0415 Incentive Strength Concrete Pavement	500.000 DOL	1.00000			500.00
1740	715.0502 Incentive Strength Concrete Structures	10,242.000 DOL	1.00000			10242.00
1750	ASP.1T0A On-the-Job Training Apprentice at \$5.00/HR	2,400.000 HRS	5.00000			12000.00
1760	ASP.1T0G On-the-Job Training Graduate at \$5. 00/HR	2,100.000 HRS	5.00000			10500.00
1770	SPV.0035 Special 01. Concrete Masonry Soldier Pile Footings	885.000 CY	.			.
1780	SPV.0060 Special 01. Decorative Lighting Assembly 14-Foot Pole Led	78.000 EACH	.			.

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			DOLLARS	CTS	DOLLARS	CTS
1790	SPV.0060 Special 02. Decorative Lighting Assembly 16-Foot Led	EACH 4.000	.		.	
1800	SPV.0060 Special 03. Decorative Lighting Pole Concrete Bases Type 2 Modified	EACH 4.000	.		.	
1810	SPV.0060 Special 04. Decorative Lighting Pole Concrete Bases Type 5 Modified	EACH 78.000	.		.	
1820	SPV.0060 Special 05. Steel Railing Special R-59-28	EACH 1.000	.		.	
1830	SPV.0060 Special 07. Steel Railing Special M-59-001	EACH 1.000	.		.	
1840	SPV.0060 Special 08. Steel Railing Special B-59-188	EACH 1.000	.		.	
1850	SPV.0060 Special 09. Steel Railing Special B-59-189	EACH 1.000	.		.	
1860	SPV.0060 Special 10. Exposing Existing Utilities	EACH 6.000	.		.	
1870	SPV.0060 Special 11. Wielded Stud Shear Connections 5/8x6-Inch	EACH 1,665.000	.		.	
1880	SPV.0060 Special 12. Tree Well And Tree Island	EACH 6.000	.		.	

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			DOLLARS	CTS	DOLLARS	CTS
1890	SPV.0060 Special 13. Bench	3.000 EACH	.		.	
1900	SPV.0085 Special 01. Low Maintenance Seed Mix	178.200 LB	.		.	
1910	SPV.0090 Special 01. Fence Chain Link Polymer Coated 6-Ft	1,332.000 LF	.		.	
1920	SPV.0090 Special 02. Drilled Shaft Foundation ***p**	2,900.000 LF	.		.	
1930	SPV.0090 Special 03. Foundation Drilling	4,840.000 LF	.		.	
1940	SPV.0090 Special 04. Concrete Curb & Gutter Type A Special	1,313.000 LF	.		.	
1950	SPV.0090 Special 05. Concrete Curb & Gutter Type D Special	263.000 LF	.		.	
1960	SPV.0105 Special 01. Temp. Non-Intrusive Vehicle Detection System For Union & Taylor	LUMP	LUMP		.	
1970	SPV.0105 Special 02. Modify Traffic Signals, Intersection Of Taylor Drive & Union Avenue	LUMP	LUMP		.	
1980	SPV.0105 Special 03. Modify Traffic Signals, Intersection Of Taylor Drive & Indiana Avenue	LUMP	LUMP		.	

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			DOLLARS	CTS	DOLLARS	CTS
1990	SPV.0105 Special 04. Modify Traffic Signals, Intersection Of Taylor Drive & New Jersey Avenue	LUMP	LUMP			.
2000	SPV.0105 Special 05. Modify Traffic Signals, Intersection Of Taylor Drive & Erie Avenue	LUMP	LUMP			.
2010	SPV.0105 Special 06. Concrete Pavement Joint Layout	LUMP	LUMP			.
2020	SPV.0105 Special 07. Prefabricated Steel Truss Bridge B-59-188 Lrfd	LUMP	LUMP			.
2030	SPV.0105 Special 08. Prefabricated Steel Truss Bridge B-59-189 Lrfd	LUMP	LUMP			.
2040	SPV.0105 Special 09. Timber Boardwalk	LUMP	LUMP			.
2050	SPV.0105 Special 10. Staining Concrete Structure R-59-27	LUMP	LUMP			.
2060	SPV.0110 Special 01. Timber Lagging	MBM	35.040	.		.
2070	SPV.0165 Special 01. Anti-Graffiti Coating R-59-27	SF	13,150.000	.		.

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			DOLLARS	CTS	DOLLARS	CTS
2080	SPV.0165 Special 02. Concrete Sidewalk 5-Inch Colored	1,098.000 SF	.		.	
2090	SPV.0165 Special 03. Wall Modular Block Mechanically Stabilized Earth LRFD R-59-28	2,910.000 SF	.		.	
2100	SPV.0165 Special 04. Wall Modular Block Mechanically Stabilized Earth LRFD R-59-32	1,625.000 SF	.		.	
2110	SPV.0165 Special 05. Wall Modular Block Gravity LRFD	231.000 SF	.		.	
2120	SPV.0180 Special 01. Architectural Surface Treatment R-59-27	1,171.000 SY	.		.	
2130	SPV.0180 Special 02. Geocomposite Drain Board	116.000 SY	.		.	
2140	643.0500 Traffic Control Flexible Tubular Marker Posts	40.000 EACH	.		.	
2150	643.0600 Traffic Control Flexible Tubular Marker Bases	40.000 EACH	.		.	
	SECTION 0001 TOTAL				.	
	TOTAL BID				.	