Wisconsin Department of Transportation

Division of Transportation Systems Development
Bureau of Project Development
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January 4, 2019

NOTICE TO ALL CONTRACTORS:

Proposal #16: Project ID 3760-00-70
CTH H; CTH KR to Braun Rd
CTH KR to Braun Rd
CTH H
Racine County

Letting of January 15, 2019

This is Addendum No. 01, which provides for the following:

Special Provisions:

Revised Special Provisions	
Article No.	Description
5	Prosecution and Progress
6	Traffic
10	Utilities
20	Erosion Control
33	Notice to Contractor – Airport Operating Restrictions
94	Install Poles Type 9, Item SPV.0060.309; Install Poles Type 10, Item SPV.0060.310; Install Poles Type 12, Item SPV.0060.312; Install Poles Type 13, Item SPV.0060.313; Install Monotube Arms 25-FT, Item SPV.0060.325; Install Monotube Arms 30-FT, Item SPV.0060.330; Install Monotube Arms 40-FT, Item SPV.0060.340; Install Monotube Arms 45-FT, Item SPV.0060.345; Install Luminaire Arms Steel 15-FT, Item SPV.0060.360.

Added Special Provisions	
Article No.	Description
111	Concrete Bases Type 10 Special, Item SPV.0060.302.
112	Partnering Meetings Monthly

Deleted Special Provisions	
Article No.	Description
45	Concrete Pavement Fast Track, 10-Inch
102	Control of Water Project 3760-00-70, Item SPV.0105.003

Schedule of Items:

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
205.0100	Excavation Common	CY	111,083	-5,127	105,956
611.8115	Adjusting Inlet Covers	Each	5	1	6
611.8120.S	Cover Plates Temporary	Each	9	1	10
643.0900	Traffic Control Signs	Days	30,499	3,242	33,741
649.0150	Temporary Marking Line Removable Tape 4-Inch	LF	41,478	-126	41,352
649.0155	Temporary Marking Line Removable Contrast Tape 4-Inch	LF	24,089	-66	24,023
649.0250	Temporary Marking Line Removable Tape 8-Inch	LF	1,075	-63	1,012
649.0605	Temporary Marking Word Paint	Each	5	-1	4
649.0850	Temporary Marking Stop Line Removable Tape 18-Inch	LF	451	-4	447
SPV.0035.001	Roadway Embankment	CY	141,262	-6,331	134,931
SPV.0035.002	EBS Excavation	CY	14,675	9,575	24,250
SPV.0035.003	EBS Backfill	CY	14,675	9,575	24,250

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
415.1100	Concrete Pavement High Early Strength 10-Inch	SY	0	5,488	5,488
611.0430	Reconstructing Inlets	Each	0	8	8
611.8110	Adjusting Manhole Covers	Each	0	1	1
SPV.0060.302	Concrete Bases Type 10 Special	Each	0	5	5
SPV.0060.314	Install Poles Type 9S	Each	0	3	3
SPV.0060.315	Install Poles Type 10S	Each	0	2	2

Deleted Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
415.1150.S	Concrete Pavement Fast Track 10-Inch	SY	5,488	-5,488	0
654.0113	Concrete Bases Type 13	Each	5	-5	0
SPV.0060.312	Install Poles Type 12	Each	3	-3	0
SPV.0060.313	Install Poles Type 13	Each	2	-2	0

Plan Sheets:

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
22	Construction Detail (added maintenance access detail)
42	Plan Details (Labeled Maintenance Opening)
43	Plan Details (Labeled Maintenance Opening)
45	Plan Details (Labeled Maintenance Opening)
47	Plan Details (Labeled Maintenance Opening)
49	Plan Details (Labeled Maintenance Opening)
50	Plan Details (Labeled Reverse Curb and Transition Location)
162	Traffic Signal Plan (Revised monotube pole)

163	Sequence of Operation (Revised date)
166	Traffic Signal Plan (Revised monotube pole)
167	Sequence of Operation (Revised date)
176	Temporary Traffic Signal Plan – Pre-Stage 1 (Signal revised)
177	Temporary Traffic Signal Plan – Stage 1 (Temporary luminaire correction)
178	Temporary Traffic Signal Plan – Stage 2A (Temporary luminaire correction)
179	Temporary Traffic Signal Plan – Stage 1 (Temporary luminaire correction, revised construction note)
180	Temporary Traffic Signal Plan – Stage 4A (Temporary luminaire correction)
181	Temporary Traffic Signal Plan – Stage 5A (Temporary luminaire correction)
182	Temporary Sequence of Operations – Stages 1, 2A, 3 (Revised general notes)
184	Temporary Traffic Signal Plan – Pre-Stage 1 (Added temporary luminaires)
185	Temporary Traffic Signal Plan – Stage 1 (Added temporary luminaires)
186	Temporary Traffic Signal Plan – Stage 2A (Added temporary luminaires)
187	Temporary Traffic Signal Plan – Stage 3 (Added temporary luminaires)
188	Temporary Traffic Signal Plan – Stage 4A (Added temporary luminaires)
189	Temporary Traffic Signal Plan – Stage 4B (Added temporary luminaires)
190	Temporary Traffic Signal Plan – Stage 5A (Added temporary luminaires)
191	Temporary Traffic Signal Plan – Stage 4B (Added temporary luminaires)
192	Temporary Sequence of Operations – All Stages (General Notes revised)
245	Traffic Control – Stage 2A (added Traffic Control Sign, revised pavement markings)
250	Traffic Control – Stage 2A (added Traffic Control Sign, revised pavement markings)
258	Traffic Control – Stage 3 (added Traffic Control Sign)
262	Traffic Control – Stage 3 (added Traffic Control Sign)
266	Traffic Control – Stage 4A (revised pavement markings)
270	Traffic Control – Stage 4A (revised pavement markings)
272	Traffic Control – Stage 4A (revised pavement markings)
275	Traffic Control – Stage 4A (revised pavement markings)
323	Miscellaneous Quantities (removed footnote ‘8’)
330	Miscellaneous Quantities (replace concrete pavement “fast track” with “high early strength”)
362	Miscellaneous Quantities (Changed and added quantities)
363	Miscellaneous Quantities (Added note additional quantities shown elsewhere)
388	Miscellaneous Quantities (revised Traffic Control quantities)
391	Miscellaneous Quantities (revised Temporary Pavement Marking bid item quantities)
393	Miscellaneous Quantities (revise EBS Excavation quantities)
396	Miscellaneous Quantities (revise state furnished table)
399	Miscellaneous Quantities (revise concrete base type)
404	Miscellaneous Quantities (revise monotube pole type)
408	Miscellaneous Quantities (revise state furnished table)
411	Miscellaneous Quantities (revise concrete base type)
416	Miscellaneous Quantities (revise monotube pole type)

Added Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of why sheet was added)
161A	Traffic Signal Details (new monotube detail)
161B	Traffic Signal Details (new monotube detail)
161C	Traffic Signal Details (new monotube detail)
161D	Traffic Signal Details (new monotube detail)

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. 01

3760-00-70

January 4, 2019

Special Provisions

5. Prosecution and Progress.

Replace entire article with the following:

Begin work within ten calendar days after the engineer issues a written notice to do so.

The contract time for completion is based on an expedited work schedule and may require extraordinary forces and equipment.

Winter weather work, grading, excavation of frozen ground, high ground water, dewatering during winter months, and mitigation efforts for high water table elevations shall not be considered adverse weather delays to construction.

Anticipate cold weather asphaltic and concrete paving and ancillary concrete work (curb, sidewalk, etc.). Plan to heat aggregates and water for mixes, and that the heating of the aggregate and water is considered incidental to those concrete items. There will be no adverse weather delay for cold weather construction.

Provide the start date to the engineer in writing within a month after executing the contract but at least 14 calendar days before the preconstruction conference. Upon approval, the engineer will issue the notice to proceed within ten calendar days before the approved start date.

To revise the start date, submit a written request to the engineer at least two weeks before the intended start date. The engineer will approve or deny that request based on the conditions cited in the request and its effect on the department's scheduled resources.

Construction activities are adjacent to live traffic. At all times, provide a 3:1 safety shelf from the construction zone to the location of staged traffic. This applies to all times, including timeframes when construction is not active.

Schedule of Operations
Unless modifications to the staging are approved in writing by the engineer, the department anticipates that the scope of work for each stage shall be as follows and according to the plans:
Stage 1 – Stage 1 Construction activities shall include.

- Construction of the temporary roadway connection along CTH H at the CTH KR intersection and the temporary roadway connection along Braun Road at the CTH H intersection. Coordinate construction activities with CTH KR and Braun Road contractors.
- Do not begin work in the NW quadrant of the CTH H/CTH KR intersection prior to April 1, 2019. Coordinate construction activities with the ongoing sanitary sewer construction.
- Construction of the temporary widening along northbound CTH H.
- Coordinate construction activities to maintain temporary ATC Access Drive west of CTH H until April 1, 2019.
- Construction of the temporary widening of Braun Road east of the CTH H intersection. See traffic article for restrictions.
- Do not begin work in the SE quadrant of the CTH H/Braun Road intersection prior to April 1, 2019. Coordinate construction activities with the ongoing sanitary sewer construction.
- Construction of the storm sewer crossings of CTH H at Stations 805+35, 807+00, and 808+00. See traffic article for restrictions.

- Begin construction of Manhole 829T and complete the storm sewer crossing of CTH H for the proposed 60-inch pipe at Lamparek Creek including the EBS Excavation and EBS Backfill north of the crossing. Notify the engineer before excavating to a depth greater than what is shown in the plans. See traffic article for restrictions and Fish Spawning article for in steam work restrictions.
- Begin pond construction.

Stage 2A - Stage 2A Construction activities shall include:

- Begin construction of northbound and southbound CTH H from south of the CTH KR intersection to approximately 200 feet north.
- Begin construction of southbound CTH H from approximately 600 feet north of the CTH KR intersection to south of Prairie View Drive and from north of Prairie View Drive to the Braun Road intersection. Gap 100 feet of curb and gutter at ATC Access. Coordinate construction activities along eastbound Braun Road with Braun Road contractor.
- Begin construction of CTH KR from CTH H intersection to approximately 800 feet east and construction of westbound CTH KR west of the CTH H intersection. Gap north curb line along westbound CTH KR west of CTH H. Construct temporary asphalt shoulder widening.
- Begin construction of eastbound Braun Road west of the CTH H intersection.
- Begin construction of the median lane along westbound Braun Road west of the CTH H intersection.
- Begin construction of southbound CTH H through lanes north of the Braun Road intersection.
- Complete construction of Access FC6 and the temporary pavement connection to CTH H. Place Asphaltic Surface Temporary in median and pork chop islands as shown on the Traffic Control Plans. See traffic article for restrictions.
- Complete construction of the temporary roadway connection from the ultimate CTH H pavement to existing CTH H north of the CTH KR intersection.
- Complete construction of Pond G.

Stage 2B - Stage 2B Construction activities shall include:

- Complete construction of northbound CTH H from south termini to approximately 200 feet north.
- Complete construction of southbound CTH H from south termini to approximately 125 feet south of the CTH KR intersection.
- Complete construction of CTH KR from CTH H intersection to approximately 800 feet east.
- Continue construction of CTH KR west of the CTH H intersection.
- Complete construction of eastbound Braun Road west of the CTH H intersection and the temporary pavement connection to CTH H. Place Asphaltic Surface Temporary in median and pork chop islands as shown on the Traffic Control Plans. Coordinate construction activities with Braun Road contractor. See traffic article for restrictions.
- Continue construction of the median lane along westbound Braun Road west of the CTH H intersection.
- Complete construction of Access FC7 and the temporary pavement connection to CTH H. Place Asphaltic Surface Temporary in median and pork chop islands as shown on the Traffic Control Plans. See traffic article for restrictions.
- Complete the cross culvert between Pond C and Lamparek Creek and EBS excavation south of crossing. Notify the engineer before excavating to a depth greater than what is shown in the plans.
- Complete Removing Lamparek Creek Cross Culvert. See traffic article for restrictions.

Stage 3 - Stage 3 Construction activities shall include:

- Complete construction of southbound CTH H from approximately 125 feet south of the CTH KR intersection to the Braun Road intersection. Place temporary Asphaltic Surface Temporary in the median as shown on the Traffic Control Plans. Complete construction within 21 calendar days and open to traffic by August 1, 2019. Coordinate traffic shift with CTH KR contractor. See article for Interim Completion and traffic article for restrictions.
- Continue construction of the median lane along westbound Braun Road west of the CTH H intersection and begin remainder of westbound Braun Road west of CTH H.
- Complete construction of the southbound CTH paved shoulder south of the CTH KR intersection.

Stage 4A - Stage 4A Construction activities shall include:

- Begin construction of northbound CTH H and the southbound CTH H left turn lanes north of the CTH KR intersection.
- Begin construction of eastbound CTH KR west of the CTH H intersection.
- Complete construction of westbound Braun Road west of the CTH intersection.
- Begin construction of Braun Road east of the CTH H intersection.
- Begin construction of eastbound CTH KR west of the CTH H intersection.

Stage 4B - Stage 4B Construction activities shall include:

- Complete construction of northbound CTH H and the southbound CTH H left turn lanes north of the CTH KR intersection.
- Complete construction of eastbound CTH KR west of the CTH H intersection.
- Complete construction of Braun Road east of the CTH H intersection.
- Complete construction of eastbound CTH KR west of the CTH H intersection.
- Place permanent pavement markings along completed pavement. See article for Interim Completion.

Winter Operations 2019/2020 – Contractor to coordinate winter maintenance operations per article for "Winter Maintenance" with local municipalities.

Stage 5A - Stage 5A Construction activities shall include:

- Complete construction of east curb and gutter along southbound CTH H that was gapped for ATC Access in Stage 2.
- Complete construction of the north curb and gutter along westbound CTH KR that was gapped in Stage 2.
- Remove Asphaltic Surface Temporary placed in Stage 2 in the median and slotted turn lane along eastbound Braun Road.
- Complete construction of the median and slotted turn lane along eastbound Braun Road.
- Begin above ground construction of permanent signals

Stage 5B - Stage 5B Construction activities shall include:

- Remove Asphaltic Surface Temporary placed in Stage 2 on the pork chop islands at CTH H/Braun Road, CTH H/Access FC7, CTH/Access FC6 intersections and the median at the CTH H/CTH KR intersection.
- Complete construction of the pork chop islands at CTH H/Braun Road, CTH H/Access FC7, CTH/Access FC6 intersections and the median at the CTH H/CTH KR intersection.
- Complete above ground construction of permanent signals.

Enhanced Coordination

The project limits include numerous existing and proposed utilities.

Coordinate traffic staging and shifts with the ongoing Braun Road Project, WisDOT ID 2704-09-70. Additional coordination with James Peterson and Sons, the Braun Road contractor, is anticipated and all traffic shifts and stage changes in this project that impact Project 2704-09-70 will need to be approved by the engineer.
Coordinate traffic staging and shifts with the CTH KR Project, WisDOT ID 3763-00-73. Additional coordination with the CTH KR contractor is anticipated and all traffic shifts and stage changes in this project that impact Project 3763-0073 will need to be approved by the engineer.
Coordinate removal of existing temporary traffic signals at the intersections of CTH KR & CTH H and CTH H & Braun Road with the ongoing CTH H Project, WisDOT ID 2818-00-73 once the temporary traffic signals are installed and ready for activation. The existing temporary traffic signal heads must be removed the same day the temporary traffic signal is activated and the remaining equipment removed within three working days of the temporary traffic signal activation.
Special consideration and full access from CTH H should be given to improvements being made by American Transmission Company (ATC) within the project limits. Special deliveries requiring full access and potential closure of CTH H through flagging operations are currently anticipated on the following dates at the ATC access point, but are subject to change so regular coordination with ATC contract person is required:

- March 12-13, 2019
- April 2-3, 2019
- May1, 2019
- May 8, 2019
- May 15, 2019

Coordinate with Tyson J. Laux at (262) 720-1541 or tlaux@atcllc.com regarding all deliveries. Maintain access to the ATC site at all times. Provide 14 days' advance notice to ATC and engineer to any changes in access.
Coordinate all full weekend closures of CTH H with ATC and FoxConn developer.
FoxConn site and utility construction activities will be underway adjacent to CTH H. Increased trucking and traffic volumes are expected within the project limits. Coordinate construction activities and access to the FoxConn site and Braun Road with the developer. Maintain access to a minimum of one entrance to FoxConn from CTH H at all times.
Coordinate with Racine Water for a watermain crossing that will be completed by others during Stage 1. Approximate location of crossing is located at Station 844HN+49. Any closure at this location cannot coincide with any closure South of Prairie View Drive.
Time extensions shall not be granted for delays incurred due to existing utilities work, proposed utility installation, or providing access for site development traffic. Ensure these elements are accounted for when determining the construction schedule.

Work Restrictions

The following definitions apply to all roadways constructed in this contract:

Peak Hours:

- 6:00 AM to 7:00 PM, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday

Off-peak Hours:

- 7:00 PM to 6:00 AM Monday, Tuesday, Wednesday, Thursday, Friday, Saturday

Night Time Hours:

- 9:00 PM to 6:00 AM the following day

Weekend Hours:

- 9:00 PM Friday to 6:00 AM Monday

Comply with all local ordinances that apply to local street work operations, including those pertaining to working during night time hours. Furnish any ordinance variance issued by the municipality or required permits to the engineer in writing three days before performing this work.

Closure and Work Restrictions

- Do not close the East leg of CTH KR in Stage 2 until the East leg of Braun Road is reopened.
- Do not close Access FC6 and FC7 concurrently.
- Do not close the East leg of Braun Road in Stage 4 until both connections from CTH H to eastbound and westbound CTH KR are reopened both East and West of the intersection.
- Do not close multiple access locations to ATC site concurrently
- Full closures of CTH H shall be restricted to weekend hours.
- Maintain access to Prairie View Drive at all times. Full closures of CTH H during weekend hours shall be staggered to maintain access from one direction at all times.
- Do not commence work in any areas impacting sanitary sewer installation prior to April 1, 2019. Coordinate with engineer on allowable workzone offsets from sanitary sewer workzones. See article Utilities for locations of sanitary sewer construction.

Winter Maintenance
Racine County will perform snow removal operations for CTH H, Kenosha County will perform snow removal operations on CTH KR, and the Village of Mount Pleasant will perform snow removal operations for local roads. Provide Racine County Highway Maintenance, Kenosha County Highway Maintenance, the Village of Mount Pleasant, Racine County Sheriff's Department, and Kenosha County Sherriff's Department with a 24-hour emergency contact number for when maintenance is required.
sef-999-060 (20120330)

Interim and Final Completion of Work
Supplement standard spec 108.10 with the following:
The department will not grant time extensions for the following:
Severe weather as specified in standard spec 108.10.2.2.
Labor disputes that are not industry wide.
Delays in material deliveries.

Each day is defined as a 24-hour period beginning at 12:01 AM.
SEF Rev. 14_1211

Interim Completion of work June 15, 2019: Completion of Eastbound Paving on west leg of Braun Road at CTH H Intersection
If the contractor fails to complete all work required to open Braun Road eastbound pavement to full access to west of the CTH H intersection as shown in traffic control plans prior to 12:01 AM June 16, 2019, the department will assess the contractor $2,500 in interim liquidated damages for each calendar day contract work remains incomplete beyond 12:01 AM June 15, 2019. An entire calendar day will be charged for any period of time within a calendar day that the road remains closed beyond 12:01 AM.
Interim Completion: Completion of CTH H Intersection and West leg of CTH KR (21 days – 3 weeks)
Complete all work required to open the intersection of CTH H and CTH KR to one lane of traffic in each direction on completed westbound lanes of CTH KR as shown in the traffic control plans within 21 calendar days of beginning construction for Stage 3. Upon 12:01 AM on the 22nd day of construction, the department will assess the contractor $2,500 in interim liquidated damages for each calendar day that the CTH H and CTH KR intersection remains closed to traffic.
Interim Completion of work July 30, 2019: Completion of CTH H Intersection and West leg of CTH KR
If the contractor fails to complete all work required to open the intersection of CTH H and CTH KR to one lane of traffic in each direction on completed westbound lanes of CTH KR prior to 12:01 AM July 31, 2019, the department will assess the contractor $5,000 in interim liquidated for each calendar day contract work remains incomplete beyond 12:01 AM July 31, 2019. An entire calendar day will be charged for any period of time within a calendar day that the road remains closed beyond 12:01 AM.
Interim Completion of work November 30, 2019: Completion of Permanent Pavement
If the contractor fails to complete all work required to open CTH H, CTH KR, and Braun Road to full access as shown in the traffic control plans prior to 12:01 AM December 1, 2019, the department will assess the

contractor $5,000 in interim liquidated for each calendar day contract work remains incomplete beyond 12:01 AM December 1, 2019. An entire calendar day will be charged for any period of time within a calendar day that the road remains closed beyond 12:01 AM.

Final Completion of Work April 30, 2020

Enhanced Liquidated Damages

Replace standard spec 108.11 paragraph (3) as follows:

The department will assess $5,000 in daily liquidated damages. These liquidated damages reflect the cost of engineering, supervision, and a portion of road user costs.

Work Zone Ingress/Egress.
Provide engineer approved signage for access into and out of the work zones at locations approved by the engineer.
At the weekly traffic meetings, provide an Emergency Work Zone Access Plan and required updates, as approved by the engineer, to direct emergency responders accessing a mainline median barrier restricted work zone.
Locations of work zone egress or ingress for construction vehicles is subject to approval from the engineer.
All construction vehicles shall yield to all through traffic at all locations.
Any reduction to traffic capacity to County Highway H is prohibited except as noted in these special provisions.
Access to the worksite from Braun Road west of the project will be restricted due to a live workzone for construction of Braun Road as part of WisDOT ID 2704-09-70, Braun Road, IH 94 EFR to CTH H and therefore will not be available.
Ensure that proper signage is established indicating no through traffic is permitted along Braun Road at the West Leg of the CTH H/Braun Road intersection and that public access to the workzone from CTH H and West project limits is restricted.
Ingress/Egress at temporary signals shall be limited to right-in/right-out.

Right-of-way
Do not commence work in areas that are not under department or Village of Mount Pleasant ownership as outlined in the plans. It is anticipated that real estate for the project will be fully clear by December 20, 2018. All associated site preparation and demolition work shall be completed by February 15, 2019 for those parcels with buildings remaining. A construction detail depicting the status of real estate clearance of each parcel is provided in the plans. Contact Steve Hoff at (262) 548-6718 for detailed map of individual parcel clearance status prior to bidding.
Wetlands
Do not begin construction within wetland areas until the Section 404 permit has been approved. Verify with the engineer that the permit is approved before starting construction in affected wetland areas. Permit approval date is anticipated to be November 15, 2018.
Migratory Birds
Swallow and other migratory birds' nests have been observed on or under the existing bridges. All active nests (when eggs or young are present) of migratory birds are protected under the Federal Migratory Bird Treaty Act.
The nesting season for swallows and other birds is usually between May 1 and August 30. Either prevent active nests from becoming established or apply for a depredation permit from the US Fish and Wildlife Service for work that may disturb or destroy active nests. The need for a permit may be avoided by removing the existing bridge structure prior to nest occupation by birds or clearing nests from all structures before the nests become active in early spring. As a last resort, prevent birds from nesting by installing a suitable netting device on the remaining structure prior to nesting activity. The cost of preventing nesting is incidental to the project.
Northern Long-eared Bat (*Myotis septentrionalis*)
Northern Long-eared Bats (NLEB) have the potential to inhabit the project limits because they roost in trees. Roosts may not have been observed on this project, but conditions to support the species exist. The species and all active roosts are protected by the Federal Endangered Species Act. If an individual bat or active roost

is encountered during construction operations, stop work and notify the engineer and the WisDOT Regional Environmental Coordinator (REC).
According to the final 4(d) rule issued for the NLEB, the department has determined that the proposed activity may affect, but will not result in prohibited take of the NLEB. The activity involves tree removal, but will not occur within 0.25 miles of a known hibernacula, nor will the activity remove a known maternity roost tree or any other tree within 150 feet of a known maternity roost tree.
If additional trees need to be removed, no Clearing shall occur without prior approval from the engineer, following coordination with the WisDOT REC. Additional tree removal beyond the area originally specified will require consultation with the United States Fish and Wildlife Service (USFWS) and may require a bat presence/absence survey. Notify the engineer if additional Clearing cannot be avoided to begin coordination with the WisDOT REC. The WisDOT REC will initiate consultation with the USFWS and determine if a survey is necessary.
Submit a schedule and description of Clearing operations with the ECIP 14 days prior to any Clearing operations. The department will determine, based on schedule and scope of work, what additional erosion control measures shall be implemented prior to the start of Clearing operations, and list those additional measures in the ECIP.

Fish Spawning

There shall be no instream disturbance of the following waterways, as a result of construction activity under or for this contract, from March 1 to June 1, both dates inclusive, in order to avoid adverse impacts upon the spawning of fish.

Project	Location	County	Station
3760-00-70	CTH H Over Lamparek Creek	Racine County	Station 829HN+90

6. Traffic.

Replace entire article with the following:

General

The construction sequence, including the associated traffic control, shall be substantially accomplished as detailed in the Traffic Control Plans, and as described herein.
Maintain access to existing residences and homes at all times until all real estate is acquired. Anticipated real estate clearance date referenced in article *Prosecution and Progress.*
Coordinate traffic requirements under this contract with other adjacent and concurrent department or local municipality projects. Implement and coordinate with other contractors all traffic control as shown on the plans. Modifications to the traffic control plan may be required by the engineer to be safe and consistent with adjacent work by others.
Unless detailed in the plans, do not begin or continue any work that closes traffic lanes outside the allowed time periods specified in this article.
Do not store equipment, vehicles, or materials on adjacent streets beyond the project limits without specific approval of the engineer.

Construction Staging and Traffic Control

Perform construction operations on CTH H in stages as shown in the Traffic Control Plans and as detailed in the Prosecution and Progress. Coordinate traffic control signing with adjacent projects. Traffic Control associated with the construction operations are as follows:

County Highway H

Maintain one lane of traffic in each direction at all times except as noted in Stage 1 and 2.

CTH KR

Maintain one lane of traffic in each direction at all times except as noted in Stage 2 and 3. Concurrent closures of the east leg of CTH KR and east leg of Braun Road shall not be permitted.

Braun Road

Maintain one lane of traffic in both directions expect as noted in Stage 1 and 4. Maintain access to Braun Road west of the CTH H intersection for construction traffic at all times. Concurrent closures of the east leg of CTH KR and east leg of Braun Road shall not be permitted.

Prairie View Drive:

Maintain access to Prairie View Drive at all times.

FoxConn Site Development

Maintain access to FoxConn development from CTH H at all times. Concurrent closures of access location FC6 and FC7 shall not be permitted.

American Transmission Company (ATC)

Maintain access for ATC operations at all times. Provide full access during delivery dates as specified in Article for Enhanced Coordination. Coordinate all full weekend closures with ATC. Provide 14 days advance notice regarding any changes in access.

Emergency Vehicle Access

Maintain emergency vehicular access at all times to roadways located within the project limits.

Bus Access

Maintain a suitable temporary through lane for access to school buses at all times to roadways located within the project limits.

Temporary Signals

Ingress/Egress at temporary signals shall be limited to right-in/right-out.

Construction Contact Information

Provide Village of Mount Pleasant Police Department, Village of Sturtevant Police Department, Town of Somers Police Department, Racine County Sheriff Department, Kenosha County Sheriff Department, Racine County and Kenosha County with a 24-hour emergency contact number for when traffic control maintenance is required.

Stage 1 Traffic

- Place PCMS 10 days in advance of construction as shown in the plans.
- Close CTH H to traffic during a full weekend closure to complete storm sewer crossings at Sta 805+35, 807+00, and 808+00. Use PCMS 7 days in advance to notify motorists of closure. Maintain PCMS during closure.
- Close CTH H to traffic during a full weekend closure to begin construction of Manhole 829T and complete the storm sewer crossing of CTH H for the proposed 60-inch pipe at Lamparek Creek including the EBS Excavation and EBS Backfill north of the crossing. Use PCMS 7 days in advance to notify motorists of closure. Maintain PCMS during closure.
- Close Braun Road to through traffic west of CTH H. Maintain access for construction vehicles to Braun Road west of the Braun Road/CTH H intersection.
- Close Braun Road east of CTH H and provide detour route. Place PCMS 10 days in advance of Detour.
- Coordinate traffic control and work operations with other projects listed under the article Other Contracts.

Stage 2A Traffic

- Shift traffic onto the temporary roadways constructed in Stage 1 at the CTH H/CTH KR and CTH H/Braun Road intersections. Shift traffic along CTH H onto the northbound temporary shoulder widening.
- Coordinate traffic shift to bi-directional traffic on completed eastbound Braun Road east of CTH H with the ongoing Braun Road Project, WisDOT ID 2704-09-72 in Stage 2B. Utilize flagging operations during off peak hours to complete the temporary pavement connection between completed Braun Road and existing CTH H.
- Continue full closure of Braun Road to through traffic west of CTH H. Maintain access for construction vehicles to access Braun Road to the west of the Braun Road/CTH H intersection.
- Close CTH H to traffic during a full weekend closure to facilitate the removal of the existing cross culvert at Lamparek Creek. Complete EBS Excavation and EBS Backfill south of the existing cross culvert during full closure. Construction activities in Lamparek Creek cannot take place between March 1 and June 1. See article for Fish Spawning. Use PCMS 7 days in advance to notify motorists of closure. Maintain PCMS during closure.
- Close CTH KR east of the CTH H intersection and provide detour route. Place PCMS 10 days in advance of Detour.

- Complete all work along eastbound Braun Road west of the CTH H intersection prior to June 15. See Article for Interim Completion.
- Utilize flagging operations during off peak hours to complete the temporary pavement connection between completed Access FC6 and CTH H.
- Coordinate traffic control and work operations with other projects listed under the article Other Contracts.

Stage 2B Traffic

- N-S traffic will remain in the same traffic configuration as Stage 2.
- Coordinate traffic shift to bi-directional traffic on completed eastbound Braun Road west of CTH H with the ongoing Braun Road Project, WisDOT ID 2704-09-70. A during Stage 2A or Stage 2B. Utilize flagging operations during off peak hours to complete the temporary pavement connection between completed Braun Road and existing CTH H.
- Utilize flagging operations during off peak hours to complete the temporary pavement connection between completed Access FC6 and CTH H.
- Coordinate traffic control and work operations with other projects listed under the article Other Contracts.

Stage 3 Traffic

- Shift CTH H traffic onto completed pavement south of the CTH KR intersection. The remainder of n-s CTH H traffic will remain in the same traffic configuration as Stage 2.
- Open CTH KR east of the CTH H intersection. Place bidirectional traffic onto completed CTH KR westbound pavement.
- Close CTH KR west of the CTH H intersection and provide detour route. Place PCMS 10 days in advance of Detour.
- Coordinate traffic control and work operations with other projects listed under the article Other Contracts.

Stage 4A Traffic

- Shift bi-directional traffic along CTH H onto the completed sb pavement.
- Open CTH KR to bidirectional traffic west of CTH H intersection. Bidirectional traffic along CTH KR east of the CTH H intersection will remain in the same configuration as Stage 3.
- Shift Braun Road traffic onto completed eastbound and westbound lanes west of the CTH H intersection.
- Close Braun Road east of the CTH H intersection and provide detour route. Place PCMS 10 days in advance of Detour.

Stage 4B Traffic

- Shift Braun Road traffic onto completed eastbound and westbound lanes west of the CTH H intersection. The remainder of traffic will remain in the same configuration as Stage 4A.

Winter Operations 2018/2019 – Shift all directional traffic onto finished lanes. Maintain traffic patterns in ultimate configuration.

Stage 5A Traffic

- Close inside lane and left turn lane along eastbound Braun Road and inside lane along westbound Braun Road west of the CTH H intersection.

Stage 5B Traffic

- Close outside lane along southbound CTH H from north of Braun Road to south of FC7.

- Close inside lane along southbound CTH H south of the CTH KR intersection.

Wisconsin Lane Closure System Advance Notification

Provide the following advance notification to the engineer for incorporation into the Wisconsin Lane Closure System (LCS).

- **TABLE 108-1 CLOSURE TYPE AND REQUIRED MINIMUM ADVANCE NOTIFICATION**

Closure type with height, weight, or width restrictions (available width, all lanes in one direction < 16')	**MINIMUM NOTIFICATION**
Lane and shoulder closures	7 calendar days
Full roadway closures	7 calendar days
Ramp closures	7 calendar days
Detours	7 calendar days
Closure type without height, weight, or width restrictions (available width, all lanes in one direction ≥16')	**MINIMUM NOTIFICATION**
Lane and shoulder closures	3 business days
Ramp closures	3 business days
Modifying all closure types	3 business days

Discuss LCS completion dates and provide changes in the schedule to the engineer at weekly project meetings in order to manage closures nearing their completion date.

Provide 7-day notice to engineer of expected changes to the status of FoxConn site development access locations prior to implementation. Notice does not constitute approval of those changes.
Notify the engineer and Construction Program Work Zone and Traffic Engineer if there are any changes in the schedule, early completions, or cancellations of scheduled work.

10. Utilities.

Replace entire article with the following:

Additional information regarding proposed and/or recently relocated utility facilities may be available on permits issued to the utility companies. These permits can be viewed at the Racine County Department of Public Works and/or the Kenosha County Center during normal working hours. Contact Racine County Engineer Roley Behm at (262) 886-8452 and/or Director of Kenosha County Highways, Clement Abongwa at (262) 857-1872, for further information.

Underground and overhead utility facilities are located within the project limits. Utility adjustments are required for this construction project as noted below. Coordinate construction activities with a call to Diggers Hotline or a direct call to the utilities that have facilities in the area as required per state statute. Use caution to ensure the integrity of underground facilities and maintain code clearances from overhead facilities at all times.

Some utility work, as described below, is dependent on prior work being performed by the contractor at a specific site. Provide the engineer and the affected utility a good-faith notice of when the utility is to start work at the site. Notice shall be given 14 to 16 calendar days in advance of when the site will be available to the utility. Follow up with a confirmation notice to the engineer and the utility not less than 3 working days before the site will be ready for the utility to begin its work.

Contact utility companies listed in the plans prior to preparing bids to obtain current information on existing utility locations and the status of any new utility relocation work.

Utility companies will be performing utility work and adjustments within the limits during the life of the project. The contractor shall cooperate and coordinate construction activities with these companies.

There may be discontinued utility facilities within the project limits. If a conflict with a discontinued utility facility is encountered, contact the appropriate utility owner/representative to coordinate construction activities and proper removal and disposal of said facility as necessary.

Known utilities in the project area are as follows:

American Transmission Company (ATC) has existing underground electric transmission facilities within the project limits at the following locations:

- An existing underground concrete-encased duct package beginning at the proposed westerly CTH right of way and running easterly, crossing CTH H at Station 838HN+02, and continuing easterly to beyond the project limits. This package will remain in place without adjustment.

- An existing underground concrete-encased duct package beginning at the proposed westerly CTH right of way and running easterly, crossing CTH H at Station 838HN+27, and continuing easterly to beyond the project limits. This package will remain in place without adjustment.

- An existing underground concrete-encased duct package beginning at the proposed westerly CTH right of way and running easterly, crossing CTH H at Station 838HN+57, and continuing easterly to beyond the project limits. This package will remain in place without adjustment.

- An existing underground concrete-encased duct package beginning at the proposed westerly CTH right of way and running easterly, crossing CTH H at Station 838HN+93, and continuing easterly to beyond the project limits. This package will remain in place without adjustment.

During construction, ATC will extend these four concrete-encased duct packages west from the proposed westerly CTH H right of way to beyond the project limits. Allow 30 days ATC to perform this work beginning June 1, 2019.

Contact Barb Mikolajczyk (262-506-6804 office/ 262-364-9235 cell) of ATC 7 days in advance to coordinate locations and any excavation near their facilities.

AT&T Wisconsin has existing overhead and underground communications facilities within the project limits in the following locations:

- Existing underground communications lines beginning beyond the westerly project limits and running easterly along the existing northerly CTH KR right of way to Station 448+66, 38’RT where they turn and run northeasterly to Station 804HN+73, 73’LT. From there the lines run northerly along the existing westerly CTH H right of way to a pedestal at Station 809HN+00, 54’LT and then continue northerly to Station 816HN+37, 58’LT where they turn and run easterly to a pedestal at Station 816HN+36, 51’LT. From there they run westerly to Station 816HN+59 and then turn and runs northerly to a pedestal at Station 816HN+75, 61’LT. From there they continue northerly along the existing westerly right of way, crossing Prairie View Drive, and continuing northerly to Station 853HN+18, 60’LT where they turn and run northeasterly to a pedestal at Station 853HN+28, 50’LT. From there the lines continue northerly along the westerly right of way, crossing Braun Road at Station 154BRE+76, and continuing northerly to a pedestal at Station 857HN+41, 58’LT. From there they continue northerly along the existing westerly

CTH H right of way to beyond the project limits. AT&T Wisconsin will relocate these lines as noted below. The existing lines will be discontinued in place.

- An existing underground communications line beginning at pedestal at Station 791HN+38, 25'RT and running northerly along the existing easterly CTH H right of way and ending at a pedestal at Station 801HN+16, 29'LT. AT&T Wisconsin will relocate this line as noted below. The existing line will be discontinued in place.

- An underground communications line beginning at a pedestal at Station 804HN+74, 12'RT and running northerly along the existing easterly CTH H right of way to Station 808HN+96, 30'RT. From there it continues northerly along the easterly right of way to a pedestal at Station 816HN+73, 23'RT and then continues northerly along the right of way to a pedestal at Station 853HN+31, 33'RT. From there it turns and runs westerly to a pedestal at Station 853HN+31, 18'RT. AT&T Wisconsin will relocate this line as noted below. The existing line will be discontinued in place.

- An underground communications line beginning at a pedestal at Station 809HN+00, 54'LT and running easterly across CTH H to a pedestal at Station 808HN+96, 22'RT and then continuing and ending at Station 808HN+96, 30'RT. AT&T Wisconsin will relocate this line as noted below. The existing line will be discontinued in place.

- An underground communications line beginning at a pedestal at Station 816HN+75, 61'LT and running easterly across CTH H and ending at a pedestal at Station 816HN+73, 23'RT. AT&T Wisconsin will relocate this line as noted below. The existing line will be discontinued in place.

- An existing underground communications line beginning at a pedestal at Station 853HN+28, 50'LT and running easterly, crossing CTH H at Station 853HN+29, and continuing easterly and ending at a pedestal at Station 853HN+31, 18'RT. AT&T Wisconsin will relocate this line as noted below. The existing line will be discontinued in place.

- An existing underground communications line beginning beyond the westerly project limits and running easterly along a line 12 feet north of and parallel to the existing southerly CTH KR right of way and ending at a pedestal at Station 449+24, 116'RT. AT&T Wisconsin will relocate this line as noted below. The existing line will be discontinued in place.

- An existing underground communications line beginning at a manhole at Station 451+88, 90'RT and running easterly along the existing southerly CTH KR right of way to Station 454+54, 90'RT where it turns and runs northerly across CTH KR to a pedestal at Station 454+54, 44'RT. From there it runs easterly along the existing northerly right of way of CTH KR to beyond the project limits. AT&T Wisconsin will relocate this line as noted below. The existing line will be discontinued in place.

- An existing underground communications line beginning at a pedestal at Station 153BRE+06, 49'LT and running easterly along the north side of Braun Road to Station 153BRW+88, 48'LT where it turns and runs northeasterly to a pedestal at Station 857HN+41, 58'LT. From there the line runs easterly, crossing CTH H at Station 857HN+41, and continues easterly to Station 857HN+42, 21'RT where it turns and runs southeasterly to a pedestal at Station 156BRE+23, 46'LT. From there it runs easterly along the north side of Braun Road to beyond the easterly project limits. AT&T Wisconsin will relocate this line as noted below. The existing line will be discontinued in place.

- An existing overhead communications line on We Energies poles beginning beyond the westerly project limits and running easterly along the north side of Braun Road and ending at a pole at Station 153BRE+05, 49'LT. AT&T will remove this line prior to construction.

AT&T Wisconsin also has discontinued underground communications facilities within the project limits in the following locations:

- A discontinued underground communications line beginning at a pedestal at Station 801HN+16, 29'LT and running northerly along the existing easterly CTH H right of way to Station 802HN+68, 29'LT where it turns and runs northeasterly, crossing CTH KR at Station 450+74, and continuing northeasterly to a pedestal at Station 804HN+74, 12'RT.

- A discontinued underground communications line beginning at a pedestal at Station 449+24, 116'RT and running easterly along the south side of CTH KR, crossing CTH H, and continuing easterly to Station 802HN+668, 29'LT where it turns and runs northeasterly to 802HN+93, 5'LT. From there it turns and runs easterly and ends at a manhole at Station 451+88, 90'RT.

Prior to construction, AT&T Wisconsin will construct new overhead and underground communications facilities in the following locations:

- A new overhead communications line on We Energies poles beginning beyond the westerly project limits and running easterly along a line 28' north of and parallel to the existing southerly CTH KR right of way to a pole at Station 449+31, 100'RT and then continuing easterly, crossing CTH H at Station 802HN+83, and to beyond the project limits.

- A new overhead communications line on We Energies' poles beginning at Station 791HN+58, 28'LT and running northerly along the proposed westerly CTH H right of way to Station 802HN+60, 125'LT where it will turn and run northwesterly and ending at a pole at Station 449+31, 100'RT.

- A new underground communications line beginning at a pole at Station 449+31, 100'RT and running northeasterly to Station 803HN+06, 133'LT where it will run northerly, crossing CTH KR at Station 449+47, and continuing northerly to Station 804HN+49, 134'LT. From there it will run northeasterly to Station 804HN+80, 102'LT and then continue northerly along a line 18' easterly of and parallel to the proposed westerly CTH H right of way to Station 842HN+72, 84'LT where it will turn west to a pedestal at Station 842HN+72, 100'LT. From said pedestal, it will run easterly and turn northerly at Station 842HN+77, 71'LT and will run northerly to Station 844HN+33, 71'LT, where it will turn and run northwesterly to Station 844HN+83, 84'LT. From there it will run northerly along a line 18' east of and parallel to the proposed westerly CTH H right of way to Station 854HN+67, 84'LT. From there it will run northwesterly to Station 855HN+02, 118'LT and then run northerly, crossing Braun Road at Station 154BRE+04, and continue northerly to Station 857HN+47, 119'LT. From there it will run northeasterly to Station 857HN+73, 94'LT where it turns and runs northerly along a line 47' easterly of and parallel to the proposed westerly CTH H right of way to beyond the project limits.

Contact Jeff Oldenburg (262-896-7522) of AT&T Wisconsin 7 days in advance to coordinate locations and any excavation near their facilities.

Charter Communications has existing underground and overhead communications facilities within the project limits in the following locations:

- An existing overhead communications line on We Energies' poles beginning at a pole at Station 802HN+86, 84'LT and running northerly, crossing CTH KR at Station 449+99, and continuing northerly along the existing westerly CTH H right of way and ending at a pole at Station 810HN+10, 61'LT. Charter Communications will remove this line prior to construction.

- Existing underground communications lines beginning at a pole at Station 810HN+10, 61'LT and running northerly along a line 10' east of and parallel to the existing westerly CTH H right of way and ending at a

pole at Station 847HN+53, 66'LT. Charter Communications will discontinue this line in place prior to construction.

- An existing overhead communications line on We Energies' pole beginning at a pole at Station 847HN+53, 66'LT and running northerly along the existing westerly CTH H right of way to a pole at Station 856HN+19, 65'LT and continuing northerly, crossing Braun Road at Station 154BRE+59, and continuing northerly to beyond the project limits. Prior to construction, Charter Communications will relocate this line as noted below and remove the existing overhead line.

- An existing overhead communications line on We Energies' poles beginning at a pole at Station 856HN+19, 65'LT and running easterly, crossing CTH H at Station 856HN+18, and continuing easterly along a line 10' north of and parallel to the existing southerly Braun Road right of way and ending at a pole at Station 159BRE+12, 6'RT. Charter Communications will remove this line as noted below prior to construction.

- An existing underground communications line beginning at a pole at Station 159BRE+12, 6'RT and running easterly along the existing southerly shoulder of Braun Road to beyond the project limits. Charter Communications will discontinue this line in place prior to construction.

Prior to construction, Charter Communications will construct a new underground communications line beginning beyond the westerly right of way at a pedestal at Station 818HN+67, 107'LT and will run easterly and turn northerly at Station 818HN+70, 89'LT. From there it will run northerly to Station 820HN+78, 89'LT where it turns and runs westerly to a pedestal at Station 820HN+78, 106'LT. From there it will run easterly to Station 820HN+78, 89'LT and turn and run northerly along a line 13' east of and parallel to the proposed westerly CTH H right of way to a pedestal at Station 831HN+78, 89'LT. From there it will continue northerly to a pedestal at Station 842HN+54, 89'LT. From there it will continue northerly to Station 842HN+75, 89'LT where it will turn and run northeasterly to Station 843HN+74, 74'LT. From there it will turn and run northerly to Station 844HN+32, 74'LT, where it will turn and run northwesterly to Station 844HN+83, 89'LT. From there it will run northerly along a line 13' east of and parallel to the proposed westerly CTH H right of way line to Station 854HN+65, 89'LT, where it will turn and run northwesterly to a pedestal at Station 855HN+00, 123'LT where it will turn and run northerly, crossing Braun Road at Station 154BRE+01, and continue northerly to Station 857HN+50, 124'LT. From there it will run northeasterly to Station 857HN+75, 99'LT where it will turn and run northerly along a line 42' east of and parallel to the proposed westerly CTH H right of way to beyond the project limits.

Contact Pete Kruzela (414-908-1339 office/ 414-688-5376 cell) of Charter Communications 7 days in advance to coordinate locations and any excavation near their facilities.

Mount Pleasant, Village of – Sanitary has no existing sanitary sewer facilities within the project limits.

Prior to and during construction, the Village of Mount Pleasant will construct new sanitary sewer facilities in the following locations:

- A new sanitary sewer beginning beyond the westerly project limits and running easterly along a line 5' south of and parallel to the proposed northerly CTH KR right of way, crossing CTH H at Station 805HN+01, and continuing easterly to a manhole at Station 805HN+05, 90'RT. From there it will run northerly along a line 15' east of and parallel to the proposed easterly CTH H right of way to a manhole at Station 820HN+73, 81'RT and then continue northerly along said parallel line to a manhole at Station 841HN+50, 81'RT. From there it will continue northerly along said parallel line to a manhole at Station 855HN+04, 81'RT, where it will turn and run northwesterly, crossing CTH H at Station 855HN+88, and continuing northwesterly to a manhole at Station 857HN+51, 156'LT. From there it run northerly along a line 15' west of and parallel to the proposed westerly CTH H right of way to beyond the project limits. Construction of the sanitary sewer along CTH KR is anticipated to begin November 1, 2018 and be completed March 31, 2019. Construction of the sanitary sewer along CTH H, including the crossing of

the Braun Road/CTH H intersection, is anticipated to begin November 1, 2018 and be completed March 31, 2019.

- A new sanitary sewer beginning at a manhole at Station 820HN+73, 81'RT and running westerly, crossing CTH H at Station 820HN+63, and continuing westerly to a manhole at Station 820HN+49, 112'LT located beyond the project limits. Construction of this sanitary sewer is anticipated to be constructed between November 1, 2018 and March 31, 2019.

- A new sanitary sewer beginning at a manhole at Station 841HN+50, 81'RT and running easterly to beyond the project limits. Construction of this sanitary sewer is anticipated to begin January 1, 2019 and be completed September 31, 2019.

Contact Anthony Beyer (262-664-7849) of Village of Mount Pleasant 7 days in advance to coordinate locations and any excavation near their facilities.

Racine Water Works Commission (RWWC) has existing underground water facilities within the project limits in the following locations:

- An existing water main beginning at Station 804HN+81, 18'LT and running northerly along the existing easterly shoulder of CTH H to Station 822HN+12, 1'LT and continuing northerly along the existing easterly shoulder, crossing Braun Road at Station 155BRE+22, and continuing northerly to Station 856HN+64, 2'LT. From there it continues northerly along the easterly shoulder to beyond the project limits. This line will remain in place without adjustment.

- An existing water main beginning at Station 804HN+85, 79'LT and running easterly to Station 804HN+81, 18'LT and then continuing easterly and ending at Station 804HN+79, 7'RT. This line will remain in place without adjustment.

- An existing water main beginning at Station 822HN+12, 1'LT and running westerly to Station 822HN+12, 112' LT where it turns and runs southerly to Station 802HN+75, 112'LT where it turns and runs westerly to beyond the project limits. This line will remain in place without adjustment.

- An existing water main beginning at Station 856HN+64, 61'LT and running easterly to Station 856HN+64, 2'LT and then continuing easterly and ending at Station 856HN+64, 56'RT. This line will remain in place without adjustment.

Prior to construction, RWWC will construct new underground water facilities in the following locations:

- A new water main beginning at Station 804HN+79, 7'RT and running easterly to Station 804HN+76, 50'RT where it turns easterly to Station 452+02, 91' LT and then northeasterly to Station 452+48, 110' LT. From there it turns easterly running along a line 13' south of and parallel to the proposed northerly CTH KR right of way to Station 454+78, 110'LT.

- A new water main beginning at Station 819HN+09, 1'LT and running easterly to beyond the project limits.

- A new water main beginning beyond the westerly project limits running easterly to a cross located at Station 844HN+49, 0'LT where it continues easterly to beyond the project limits.

- A new water main beginning at Station 856HN+64, 61'LT and running westerly to Station 154BRE+07, 40'LT where it will turn and run northwesterly to Station 153BRE+43, 97'LT. From there it will run

westerly along a line 21’ south of and parallel to the proposed northerly Braun Road right of way to beyond the project limits.

- A new water main beginning at Station 856HN+64, 56’RT and running easterly to Station 156BRE+00, 45’LT where it will turn and run northeasterly to Station 156BRE+38, 85’LT. From there it will run easterly along a line 25’ south of and parallel to the proposed northerly Braun Road right of way to beyond the project limits.

- A new water main beginning at Station 859HN+99, 57’LT and running westerly to beyond the project limits.

- A new water main beginning at Station 860HN+09, 2’LT and running easterly to beyond the project limits.

- Remove the existing hydrants and extend all existing hydrant leads to a point east of the proposed easterly curb line of CTH H.The existing hydrants are located at Station 805HN+26, 10’RT, Station 811HN+12, 24’RT, Station 818HN+99, 24’RT, 824HN+99, 24’RT, Station 828HN+76, 28’RT, Station 836HN+85, 24’RT, Station 843HN+14, 24’RT, Station 849HN+14, 24’RT, Station 855HN+41, 24’RT, and Station 860HN+75, 28’RT.

During construction and in conjunction with grading and paving operations, RWWC will adjust existing water valves to final roadway grade. Allow 3 days for RWWC to adjust the water valves.

Contact Chad Regalia (262-497-4611) of Racine Water Works Commission 7 days in advance to coordinate locations and any excavation near their facilities.

We Energies – Electric has existing overhead electric facilities within the project limits in the following locations:

- An existing overhead electric line beginning at a pole at Station 792HN+45, 25’LT and running northerly along the existing westerly CTH H right of way to a pole at Station 802HN+86, 84’LT and continuing northerly, crossing CTH KR at Station 449+99, and continuing northerly along the existing westerly CTH H right of way to a pole at Station 810HN+10, 61’LT. From there the line runs westerly to beyond the project limits. We Energies will relocate this line as noted below. The existing line and poles will be removed.

- An existing overhead electric line beginning at a pole at Station 847HN+53, 66’LT and running northerly along the existing westerly CTH H right of way to a pole at Station 854HN+44, 66’LT and continuing northerly to a pole at Station 856HN+19, 65’LT and continuing northerly, crossing Braun Road at Station 154BRE+59, and continuing northerly to beyond the project limits. We Energies will relocate this line as noted below. The existing line and poles will be removed.

- An existing overhead electric line beginning at a pole at Station 854HN+44, 66’LT and running southeasterly and ending at a pole at Station 854HN+18, 19’RT. We Energies will remove this line and poles prior to construction.

- An existing overhead electric line beginning at a pole at Station 858HN+89, 61’LT and running southeasterly to beyond the project limits. We Energies will remove this line prior to construction.

- An existing overhead electric line beginning beyond the westerly project limits and running easterly along a line 28’ north of and parallel to the existing southerly CTH KR right of way to a pole at Station 802HN+86, 84’LT and then continuing easterly, crossing CTH H at Station 802HN+85 and continuing

easterly along the existing southerly CTH KR right of way to beyond the project limits. We Energies will reconstruct this line in place as noted below. The existing line and poles will be removed.

- An existing overhead line beginning at a pole at Station 454+22, 99'RT and running northeasterly, crossing CTH KR at Station 454+35, and continuing northeasterly to beyond the project limits. We Energies will remove this line prior to construction.

- An existing overhead line beginning beyond the westerly project limits and running easterly along the existing northerly Braun Road right of way to a pole at Station 153BRE+04, 49'LT where it turns and runs southeasterly, crossing Braun Road at Station 154BRE+48, and continues southeasterly to a pole at Station 856HN+19, 65'LT., From there it runs easterly, crossing CTH H at Station 856HN+18, and continues easterly along a line 10' north of and parallel to the existing southerly Braun Road right of way and ends at a pole at Station 159BRE+12, 6'RT. We Energies will remove this line and poles prior to construction.

Prior to construction, We Energies will construct new overhead and underground electric facilities in the following locations:

- A new overhead electric line beginning at a pole at Station 792HN+45, 31'LT and running northerly along the proposed westerly CTH H right of way to a pole at Station 449+57, 125'RT where it will turn and run northwesterly and end at a pole at Station 449+31, 100'RT.

- An overhead electric line reconstructed in place beginning beyond the westerly project limits and running easterly along a line 28' north of and parallel to the existing southerly CTH KR right of way to a pole at Station 449+31, 100'RT and then continuing easterly, crossing CTH H at Station 802HN+85, and continuing easterly along the existing southerly CTH KR right of way to beyond the project limits.

- A new underground electric line beginning at a pole at Station 449+06, 100'RT where it will run northeasterly to Station 449+32, 79'RT and then will turn and run northerly, crossing CTH KR at Station 449+32, and will continue northerly to Station 804HN+55, 149'LT. From there it will run northeasterly to Station 804HN+87, 117'LT and then continue northerly along a line 3' easterly of and parallel to the proposed westerly CTH H right of way to Station 854HN+59, 99'LT. From there it will run northwesterly to Station 855HN+34, 185'LT and then run westerly along a line 3' north of and parallel to the southerly Braun Road proposed right of way to Station 151BRE+50. From there it will turn and run northerly, crossing Braun Road at Station 151BRE+50, and continuing northerly to a VFI transformer at Station 151BRE+50, 129'LT. From there it will turn and run easterly to Station 857HN+53, 167'LT where it will turn and run northeasterly to Station 858HN+10, 109'LT. From there it will run northerly along a line 32' east of and parallel to the proposed westerly CTH H right of way to beyond the project limits.

- A new underground electric line beginning at a pole at Station 157BRE+03, 4'RT and running southerly and then westerly along a line 3' north of and parallel to the existing southerly Braun Road right of way to Station 156BRE+22, 12'RT where it will turn and run southwesterly to Station 855HN+22, 12'RT. From there it will turn and run southerly along a line 3' west and parallel to the existing easterly right of way of CTH H to Station 853HN+28, 12'RT where it will turn southeasterly to Station 851HN+90, 46'RT. From there it will turn and run southerly along a line 20' west and parallel to the proposed easterly right of way of CTH H to a transformer at Station 832HN+74, 46'RT where it will turn easterly to beyond the project limits. This line will be discontinued in place prior to construction.

- A new underground electric line beginning beyond the easterly project limits will run westerly to Station 840HN+16, 56'RT where it will turn and run northerly along a line 10' westerly of and parallel to the proposed easterly CTH H right of way, crossing Braun Road at Station 155BRE+80, and will continue northerly to beyond the project limits.

- A new underground electric line beginning beyond the westerly project limits on Braun Road at a VFI transformer at Station 151BRE+50, 129'LT where it runs easterly along a line 3' south of and parallel to the northerly Braun Road right of way, crossing CTH H at Station 857HN+36, and continuing easterly and then sweeping southeasterly and tying into the previously mentioned electric line at Station 155BRE+78, 100'LT.

Contact Dan Toomey (414-944-5695 office/ 414-254-8459 cell) of We Energies 7 days in advance to coordinate locations and any excavation near their facilities.

We Energies – Gas has existing underground gas facilities within the project limits in the following locations:

- An underground gas line beginning at Station 455+79, 97'RT and running westerly along the existing southerly CTH KR right of way to Station 802HN+83, 114'RT where it turns and runs northerly to Station 803HN+58, 115'RT. From there it turns and runs northwesterly, crossing CTH KR at Station 451+65, and continues northwesterly to Station 801HN+62, 2'RT. From there it runs northerly along a line 7' west of the existing easterly CTH H right of way to Station 809HN+31, 19'RT where it turns and runs northwesterly and northerly along a line between 20 and 25' west of and parallel to the existing easterly CTH H right of way, crossing Braun Road at Station 155BRE+34, and continuing northerly to beyond the project limits. We Energies will relocate this line as noted below. The existing line will be discontinued in place.

- An underground gas line beginning beyond the westerly project limits and running easterly along a line 34' north of and parallel to the existing southerly CTH KR right of way to Station 802HN+98, 181'LT. From there it runs northeasterly, crossing CTH KR at Station 449+35, and continues northeasterly to Station 804HN+69, 64'LT where it turns and runs easterly, crossing CTH H at Station 804HN+63, and continues easterly and ends at Station 804HN+63, 804HN+63, 2'RT. We Energies will relocate this line as noted below. The existing line will be discontinued in place.

- An existing underground gas line beginning at Station 818HN+79, 6'RT and running westerly, crossing CTH H at Station 818HN+79, and continuing westerly along the existing southerly right of way of Prairie View Drive to beyond the project limits. We Energies will discontinue this line in place prior to construction.

- An existing underground gas line beginning at Station 155BRE+34, 14'RT and running easterly to Station 155BRE+63, 13'RT where it turns and runs northerly to Station 155BRE+63, 4'RT. From there it runs easterly along a line 12' north of and parallel to the existing southerly Braun Road right of way to Station 158BRE+59, 4'RT where it turns and runs southeasterly and easterly along the existing southerly right of way to beyond the project limits. Prior to construction. We Energies will relocate this line as noted below. The existing line will be discontinued in place.

Prior to construction, We Energies will construct new underground gas facilities in the following locations:

- A new underground gas line beginning beyond the westerly project limits and running easterly along a line 43' north of and parallel to the existing southerly CTH KR right of way to Station 803HN+02, 144'LT and continuing easterly, crossing CTH H at Station 802HN+98, and continuing easterly along a line 12' north of and parallel to the existing southerly CTH KR right of way to beyond the project limits.

- A new underground gas line beginning at Station 803HN+02, 144'LT and running northerly, crossing CTH KR at Station 449+37, and continuing northerly to Station 804HN+53, 144'LT. From there it will run northeasterly to Station 804HN+84, 111'LT and then continue northerly along a line 8' easterly of and parallel to the proposed westerly CTH H right of way to Station 854HN+63, 94'LT. From there it will run northwesterly to Station 854HN+97, 128'LT and then run northerly, crossing Braun Road at Station 153BRE+95, and continuing northerly to Station 857HN+52, 129'LT. From there it will run northeasterly

to Station 857HN+77, 104'RT where it will turn and run northerly along a line 37' east of and parallel to the proposed westerly CTH H right of way to beyond the project limits.

- A new underground gas line beginning beyond the westerly project limits running easterly along a line 40' south of and parallel to the proposed northerly CTH KR right of way, crossing CTH H at Station 804HN+66, and continuing easterly to Station 451+82, 83'LT. From there it will turn northeast to Station 452+19, 120'LT, where it will turn easterly and continue beyond the easterly project limits.

- A new underground gas line beginning beyond the westerly project limits running easterly along a line 8' north of and parallel to the proposed southerly CTH KR right of way, crossing CTH H at Station 855HN+29, and continuing easterly to Station 156BRE+44, 94'RT where it turns southeasterly to Station 156BRE+64, 114' RT. From there it turns and runs easterly along a line 3' north of and parallel to the proposed southerly CTH KR right of way to Station 157BRE+43, 114'RT where it turns southerly to beyond the project limits.

- A new underground gas line beginning on the north side of Braun Road at a tee at Station 857HN+82, 104'LT and will run easterly, crossing CTH H at Station 857HN+82, and continuing easterly to Station 857HN+82, 49'RT. From there it will turn and run southeasterly to Station 857HN+20, 109'RT where it will turn and run easterly along a line 8' south of and parallel to the proposed northerly right of way of Braun Road to Station 160BRE+00, 103'LT. From there it will turn and run southerly, crossing Braun Road at Station 160BRE+00, and continuing southerly tying into the existing gas line at Station 160BRE+00, 11'RT.

- A new underground gas line beginning beyond the westerly project limits running easterly along a line 8' south of and parallel to the proposed northerly CTH KR right of way to connect to a previously described gas line on the west side of CTH H at Station 153BRE+92, 110'LT.

Contact Dan Toomey (414-944-5695 office/ 414-254-8459 cell) of We Energies 7 days in advance to coordinate locations and any excavation near their facilities.

WisDOT – Signals has an existing temporary signals and equipment at the CTH KR/ CTH H intersection and at the Braun Road/ CTH H intersection. Relocate, reconstruct, remove, discontinue and leave in place signal and signal inter-connect facilities as shown in the plans.

Contact Derrin Wolford (262-521-4409 office/ 414-750-2675 cell) of WisDOT 7 days in advance to coordinate construction, locations and any excavation near their facilities.

20. Erosion Control.

Replace entire article with the following:

Add the following to standard spec 107.20

Erosion control best management practices (BMP's) the plans show are at suggested locations. The actual locations shall be determined by the contractor's ECIP and by the engineer. Include each dewatering (mechanical pumping) operation in the ECIP submittal. The ECIP shall supplement information the plans show and not reproduce it. The ECIP shall identify how to implement the project's erosion control plan. ECIP shall demonstrate timely and diligently staged operations, continuing all construction operations methodically from the initial removals and topsoil stripping operations through the subsequent grading, paving, and re-application of top soil to minimize the exposure to possible erosion.

Additional devices may be needed based on sequence of operations and field conditions. A 'staged' ECIP may be required for this project, as new areas are disturbed. Each new 'stage' of the ECIP needs to be submitted to the project staff and the WDNR liaison for review as an amendment to the ECIP with a standard 14-day review period. Work should not commence in new areas until the project staff and WDNR has reviewed and concurred with the corresponding ECIP amendment.

Provide the ECIP 14 days before the pre-construction conference. Provide 1 copy of the ECIP to the department and 1 copy of the ECIP to the WDNR Liaisons Kristina Betzold, (414) 263-8517, Kristina.betzold@wisconsin.gov, and Craig Webster, (262) 574-2141, craig.webster@wisconsin.gov. Do not implement the ECIP until department approval, and perform all work conforming to the approved ECIP.

Maintain Erosion Control BMP's until permanent vegetation is established or until the engineer determines that the BMP is no longer required.

Stockpile excess materials or spoils on upland areas away from wetlands, floodplains, and waterways. Install perimeter silt fence protection around stockpiles within a timeframe acceptable to the engineer. If stockpiled materials will be left for more than 14 days, install temporary seed and mulch or other temporary erosion control measures the engineer orders. Show the proposed stockpile locations in the ECIP.

Re-apply topsoil on graded areas, as designated by the engineer, within a timeframe acceptable to the engineer after grading is completed within those areas. Seed, fertilize, and mulch/erosion mat top-soiled areas, as designated by the engineer, within 5 days after placement of topsoil. If graded areas are left not completed and exposed for more than 14 days, seed those areas with temporary seed and mulch.

Do not allow excavation for; structures, utilities, grading, maintaining drainage that requires dewatering(mechanical pumping) of water containing sediments (sand, silt, and clay particles) to leave the work site or discharge to a storm water conveyance system without sediment removal treatment. Before each dewatering operation, submit to the department a separate ECIP amendment describing in words and pictorial format an appropriate BMP for sediment removal, conforming to WisDNR Storm Water Construction Technical Standard, Code 1061, Dewatering. Include reasoning, location, and schedule duration proposed for each operation. Per Code 1061, include all selection criteria: site assessment, dewatering practice selection, calculations, plans, specifications, operations, maintenance, and location of proposed treated water discharge. Provide a stabilized discharge area. If directing discharge towards or into an inlet structure, provide additional inlet protection for back-up protection. Do not house any dewatering technique in a wetland or floodplain.

All dewatering, including treatment to remove suspended solids, not covered under bid items is incidental to the contract.

The project team may identify ‘sensitive’ areas in the field that require additional temporary stabilization to protect resources from being contaminated by sediment-laden water discharging from the work site. Any ‘release’ of sediment-laden water from the work site that enters a wetland or waterway should be reported to the WDNR liaison within 24 hours.

The contractor shall restrict the removal of vegetative cover and exposure of bare ground to the minimum amounts necessary to complete construction. Restoration of disturbed soils shall take place as soon as conditions permit. If sufficient vegetative cover will not be achieved because of late season construction, the site must be properly winterized. A plan for ‘over-wintering’ the project or a specific project area shall be compiled and submitted to the project staff and WDNR for review in an amendment to the ECIP.

The DOT Select Site process must be adhered to for clean fill or any other material that leaves the work site. The project staff and the WDNR liaison will review all proposed select sites and a site visit may be required. Filling of wetlands, waterways or floodplain is not allowed under the select site process, unless the site owner has proof of required local/state/federal permits. No new impermeable surfaces can be left at a select site (including gravel roads or pads), unless the site owner attains required permits. Contaminated materials leaving the site need to adhere to the Hazardous Material Management Plan.

Construction materials and debris, including fuels, oil, and other liquid substances, will not be stored in the construction area in a manner that would allow them to enter a wetland or waterbody as a result of spillage, natural runoff, or flooding. If a spill of any potential pollutant should occur, it is the responsibility of the permittee to remove such material, to minimize any contamination resulting from this spill, and to immediately notify the State Duty Officer at 1 (800) 943-0003.

Construction of structures over navigable waterways shall be completed as quickly as possible in order to minimize disruption. Construction shall minimize the removal of shoreline vegetation below the ordinary high water mark (OHWM), unless otherwise directed by the WDNR Transportation Liaison. Construction equipment should not operate on the bed of the stream or below the OHWM, except for that which is

necessary for the placement of the structure. The contractor must provide a means of separating the live flow channel of the waterway from disturbed areas (cofferdam, turbidity barrier, etc.). Any plan for diverting the flow of a navigable waterway (listed under Fish Spawning provision) needs to be submitted, reviewed and approved by the project staff and the WDNR liaison shall be incidental to the contract.

If erosion mat is used along stream banks, DNR recommends that biodegradable non-netted mat be used (e.g. Class I Type A Urban, Class I Type B Urban, or Class II Type C). Long-term netted mats may cause animals to become entrapped while moving in and out of the stream. Avoid the use of fine mesh matting that is tied or bonded at the mesh intersection such that the openings in the mesh are fixed in size.

When performing concrete or asphalt sawcutting operations, the slurry shall be squeegeed off to the shoulder gravel or shoveled into the gravel behind curbs and not allowed into storm sewers, ditches, waterways or wetlands.

33. Notice to Contractor – Airport Operating Restrictions.

Replace entire article with the following:

The Federal Aviation Administration (FAA) has height restrictions surrounding select airports. The department has obtained Temporary Determination of No Hazard to Air Navigation for all temporary structure (i.e. crane) erections associated with construction for the project. A copy of the determination can be obtained through the engineer.

Based on the FAA determination, marking and lighting are not necessary for aviation safety. However, if marking/lighting are accomplished on a voluntary basis, we recommend it be installed in accordance with FAA Advisory circular 70/7460-1 L Change 2.

Notify the managers of the applicable airports at least 3 business days prior to the temporary structure being erected and again when the structure is removed from the site. Contact the airport owners to disseminate a Notice to Airmen (NOTAM) when cranes are in use and construction is occurring.

Sylvania Airport:

Contact: Robert McKay: (262) 886-0445

Kenosha Regional Airport:

Contact: Corey Reed: (262) 653-4159

Include dust control provisions near airports in the Dust Control Implementation Plan.

Any failure or malfunction that lasts more than 30 minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

Any height exceeding the above ground level (AGL) or above mean sea level (AMSL) in the Determinations will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

The Determinations will expire unless extended, revised or terminated by the issuing office. Contractor must request an extension of the effective period of the determination to be postmarked or delivered by the contractor at least 30 days prior to the expiration date to:

Federal Aviation Administration

Air Traffic Airspace Branch, ASW-520

2601 Meacham Blvd.

Fort Worth, TX 76137-0520

Any changes in coordinates and/or heights will void the Determinations. Any future construction or alteration, including increase to heights, requires separate notice to the FAA.

Determinations include temporary construction equipment such as cranes, derricks, and other equipment, which may be used during actual construction of a structure. Equipment shall not exceed the overall heights as indicated above. Contractor must request separate notice to the FAA if equipment has a height greater than the studied structure.

Contractor must copy the engineer on any correspondence with the FAA as it relates to time extensions and new/revised Determinations.

A Determination concerns the effect of temporary structures on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.
If drainage or pond designs need to be modified in the field, contact WisDOT Bureau of Aeronautics (Levi Eastlick, Levi.Eastlick@dot.wi.gov, (608) 267-5018 or Matt Malicki, Matthew.Malicki@dot.wi.gov, (608) 267-5273, to obtain input on minimizing wildlife attractants for the modified designs.

45. DELETED.

94. Install Poles Type 9, Item SPV.0060.309; Install Poles Type 10, Item SPV.0060.310; Install Poles Type 12, Item SPV.0060.312; Install Poles Type 13, Item SPV.0060.313; Install Monotube Arms 25-FT, Item SPV.0060.325; Install Monotube Arms 30-FT, Item SPV.0060.330; Install Monotube Arms 40-FT, Item SPV.0060.340; Install Monotube Arms 45-FT, Item SPV.0060.345; Install Luminaire Arms Steel 15-FT, Item SPV.0060.360.

Rename and Replace entire article with the following:

94. Install Poles Type 9, Item SPV.0060.309; Install Poles Type 10, Item SPV.0060.310; Install Poles Type 9S, Item SPV.0060.314; Install Poles Type 10S, Item SPV.0060.315; Install Monotube Arms 25-FT, Item SPV.0060.325; Install Monotube Arms 30-FT, Item SPV.0060.330; Install Monotube Arms 40-FT, Item SPV.0060.340; Install Monotube Arms 45-FT, Item SPV.0060.345; Install Luminaire Arms Steel 15-FT, Item SPV.0060.360.

A Description

This special provision describes installing state furnished materials conforming to standard spec 657, details shown in the plans, and as modified in this special provision.

B Materials

The department will furnish the monotube poles, monotube arms and luminaire arms. Provide any other necessary material required to complete the installation as the plans show.

C Construction

Install equipment in accordance to standard spec 657.3.

D Measurement

The department will measure Install [Equipment] at the contract unit price 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.0060.309	Install Poles Type 9	Each
SPV.0060.310	Install Poles Type 10	Each
SPV.0060.314	Install Poles Type 9S	Each
SPV.0060.315	Install Poles Type 10S	Each
SPV.0060.325	Install Monotube Arms 25-FT	Each
SPV.0060.330	Install Monotube Arms 30-FT	Each
SPV.0060.340	Install Monotube Arms 40-FT	Each
SPV.0060.345	Install Monotube Arms 45-FT	Each
SPV.0060.360	Install Luminaire Arms Steel 15-FT	Each

Payment for the Install Poles bid items is full compensation for installing department furnished poles and for providing grounding lugs, fittings, shims, hardware, and other required components the department does not furnish.

Payment for the Install Monotube Arms and Install Luminaire Arms bid items is full compensation for installing department furnished arms; for providing high-strength bolt/nut/washer assemblies and DTIs including those required for testing; and for providing related mounting hardware, leveling shims, and other required components the department does not furnish.

102. DELETED.

111. Concrete Bases Type 10 Special, Item SPV.0060.302.

A Description

This special provision describes the installation of concrete base Type 10 Special.

B Materials

Furnish bar steel reinforcement conforming to 505.2.4.

Furnish grade A, A-FA, A-S, A-T, A-IS, A-IP, or A-IT concrete conforming to 501 as modified in 716. Provide QMP for class III ancillary concrete as specified in 716.

Furnish anchor rods, nuts, and washers conforming to 641.2.2.3.

Use schedule 40 PVC electrical conduit conforming to 652.

C Construction

Construct drilled shaft concrete bases conforming to 636.3. Cure exposed portions of concrete footings as specified in 502.3.8.1. Wait until the concrete has attained 3500 psi compressive strength or 7 equivalent days as specified in 502.3.10 before erecting any portion of the structure on the footing.

Follow the guidelines outlined in Type 10 Special Traffic Signal base detail.

D Measurement

The department will measure Concrete Bases Type 10 Special as each individual base 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.0060.302	Concrete Bases Type 10 Special	Each

Payment is full compensation for providing concrete bases; for embedded conduit and electrical components; for anchor rods, nuts, and washers; for bar steel reinforcement, if required; for excavating, backfilling, and disposing of surplus materials.

112. Leadership Meetings Monthly.

A Description

The department will implement mandatory monthly leadership partnering meetings. Unless the department and contractor agree otherwise, the contractor, project design engineers, and department field personal shall meet monthly from project start until the contractor accepts the tentative final estimate. The contractor and department field personal may mutually agree to invite other attendees.
This meeting is intended to facilitate a cooperative team environment that defines roles and responsibilities, determines common goals and objectives, and provides a platform to build trust and accountability. Meeting topics may include:

- Issue and risk management
- Dispute resolution procedures
- Safety

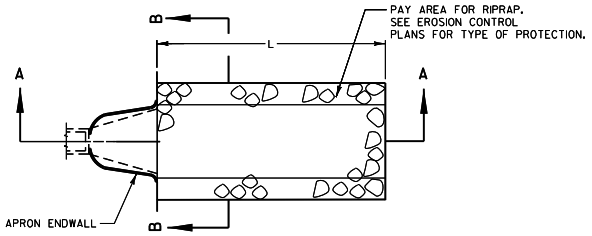
- Public outreach
- Traffic management
- Cost reducing incentives
- Claim resolution
- Scheduling issues
- Quality control

All costs are incidental to the contract work.
sef-108-040 (20171004)

Schedule of Items
Attached, dated January 4, 2019, are the revised Schedule of Items Pages 1 – 19.

Plan Sheets
The following 8½ x 11-inch sheets are attached and made part of the plans for this proposal:
Revised: 22, 42, 43, 45, 47, 49, 50, 162, 163, 166, 167, 176 – 182, 184 – 192, 245, 250, 258, 262, 266, 270, 272, 275, 323, 330, 362, 363, 388, 391, 393, 396, 399, 404, 408, 411, and 416.
Added: 161A – 161D.

END OF ADDENDUM



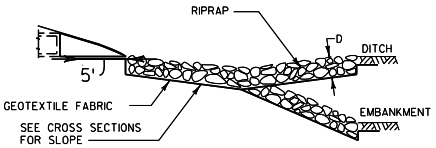
PLAN VIEW

L = 3 x W (NOR) OR 10' MIN
OR AS INDICATED IN THE PLANS
OR AS DIRECTED BY THE ENGINEER

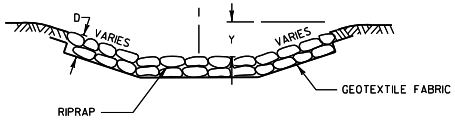
D = 12" FOR RIPRAP LIGHT
18" FOR RIPRAP MEDIUM
24" FOR RIPRAP HEAVY

X = W+2' FOR TYPICAL CULVERT
DISCHARGE INTO DITCH
W+5' FOR CULVERT DISCHARGE
DOWN EMBANKMENT SLOPE

Y = 0' FOR TYPICAL CULVERT
DISCHARGE INTO DITCH
12" FOR CULVERT DISCHARGE
DOWN EMBANKMENT SLOPE



SECTION A-A

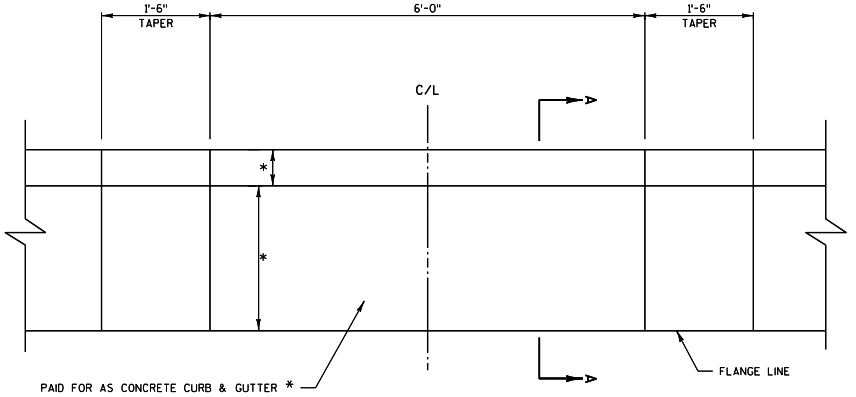


SECTION B-B

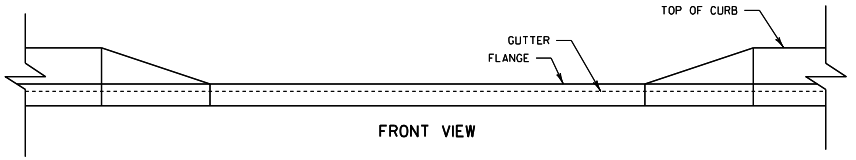
RIPRAP AND GEOTEXTILE FABRIC DETAIL AT APRON ENDWALLS

SEE EROSION CONTROL PLAN FOR LOCATIONS

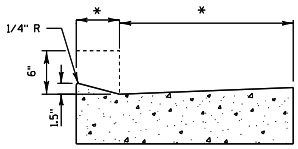
Addendum No. 01
ID 3760-00-70
Revised Sheet 22
January 4, 2019



PLAN VIEW



FRONT VIEW

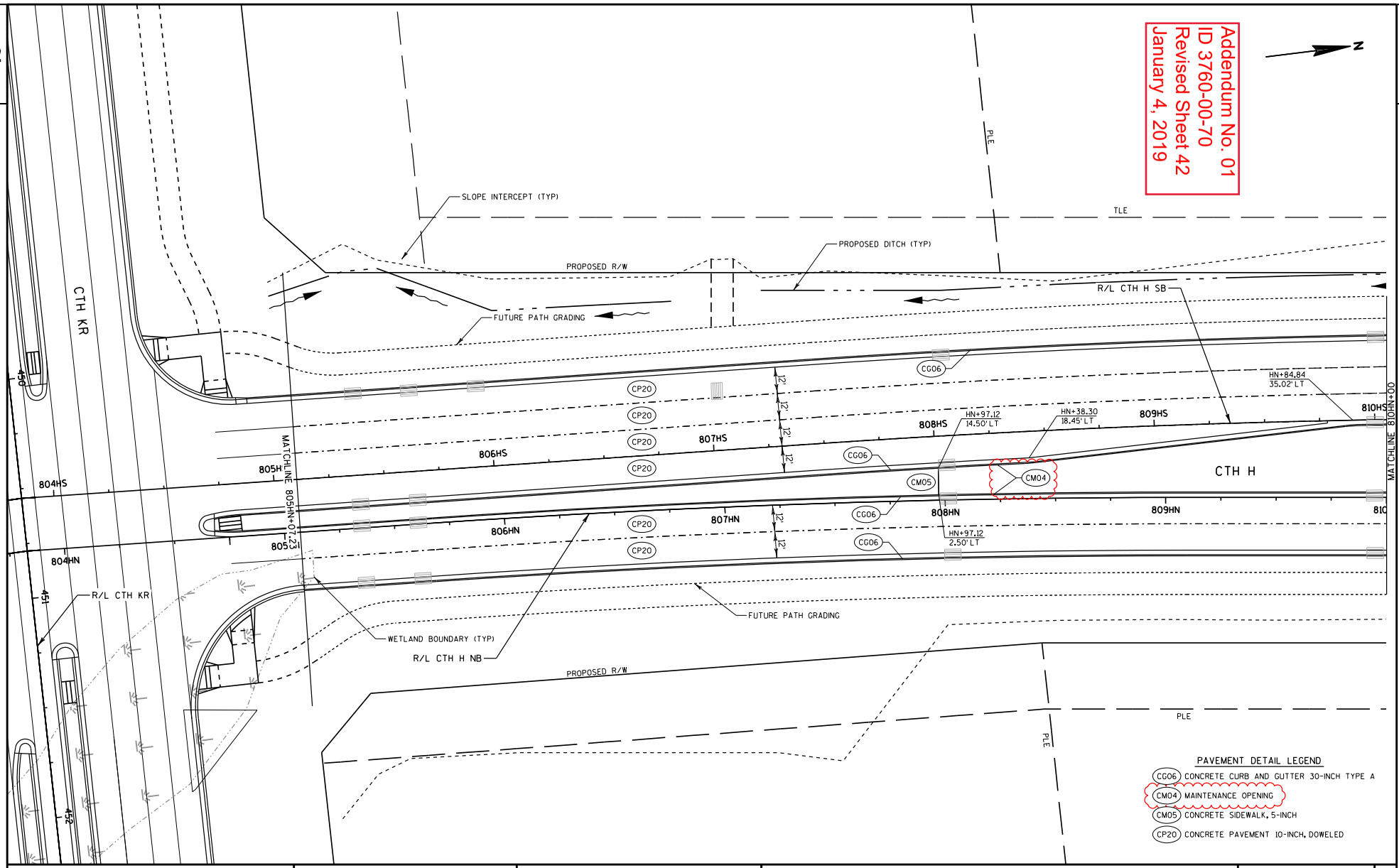


SECTION A-A

* TYPE AND DIMENSIONS TO MATCH ADJACENT CURB AND GUTTER.

MAINTENANCE OPENING

LOCATIONS SHOWN ON PAVING DETAILS

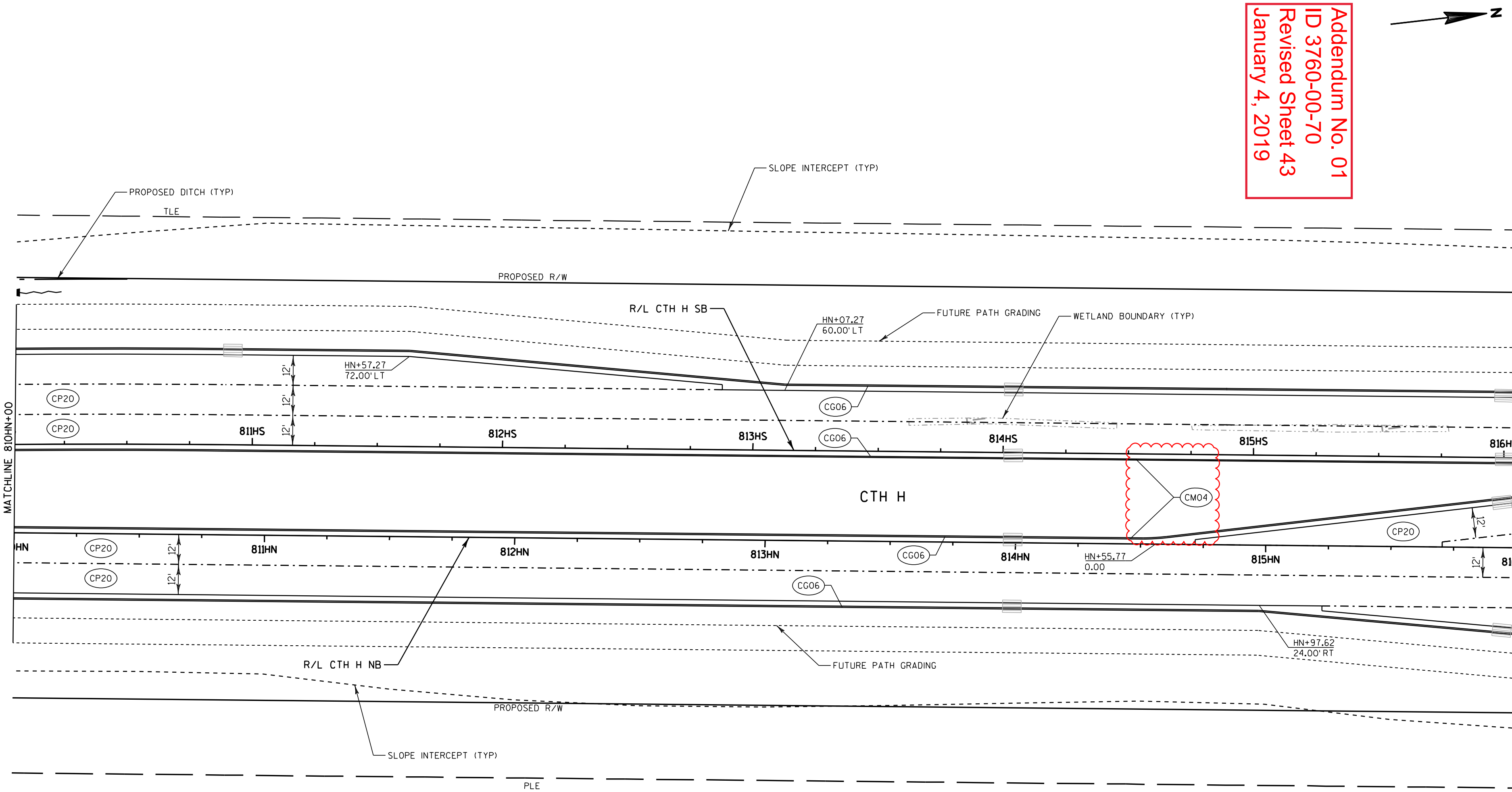


PROJECT NO: 3760-00-70	HWY: CTH H	COUNTY: RACINE	PLAN DETAILS: CTH H	SHEET 42	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.1_3760070TCDM4E-Sol2nd1e2018\cds\021201_pd.dgn PLOT BY : jdepies PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

Addendum No. 01
ID 3760-00-70
Revised Sheet 43
January 4, 2019

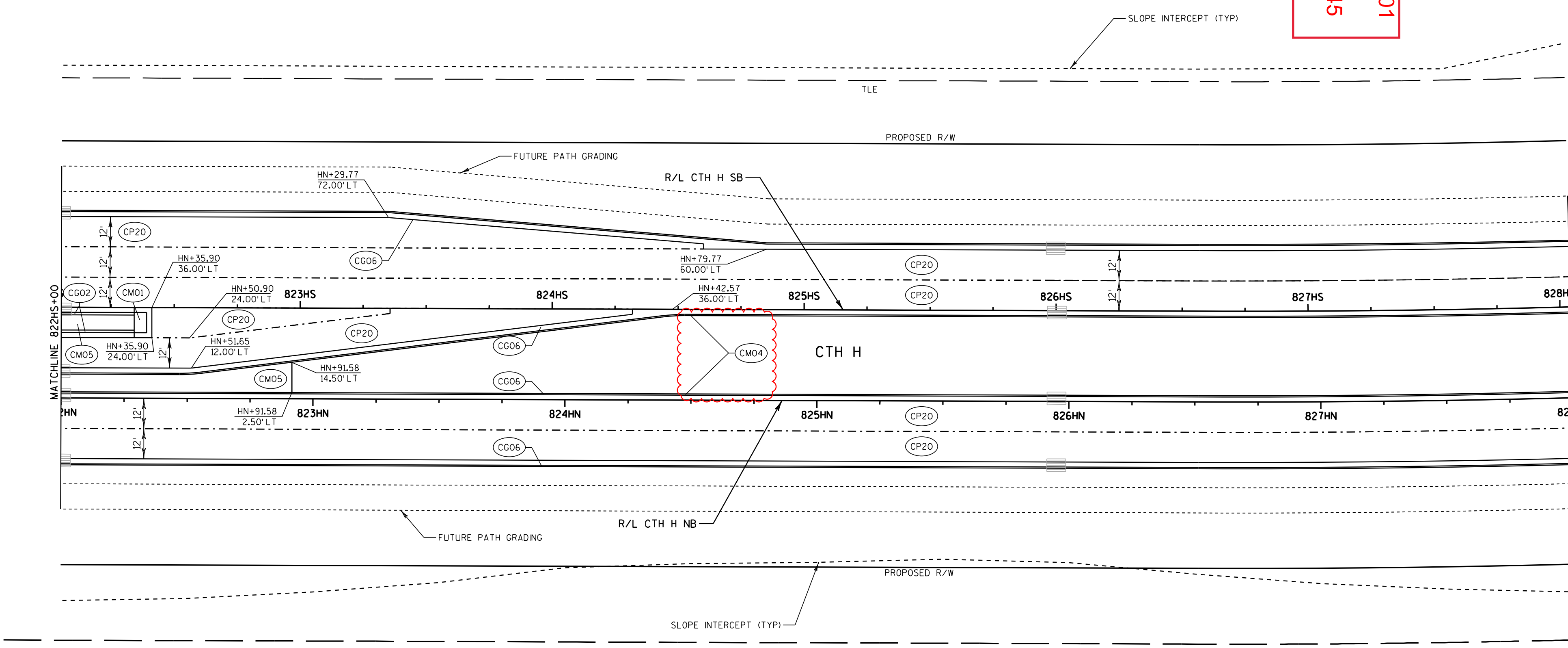


PAVEMENT DETAIL LEGEND

- (CG06) CONCRETE CURB AND GUTTER 30-INCH TYPE A
- (CM04) MAINTENANCE OPENING
- (CP20) CONCRETE PAVEMENT 10-INCH, DOWELED

PROJECT NO: 3760-00-70	HWY: CTH H	COUNTY: RACINE	PLAN DETAILS: CTH H	SHEET 43	E

Addendum No. 01
ID 3760-00-70
Revised Sheet 45
January 4, 2019



PAVEMENT DETAIL LEGEND

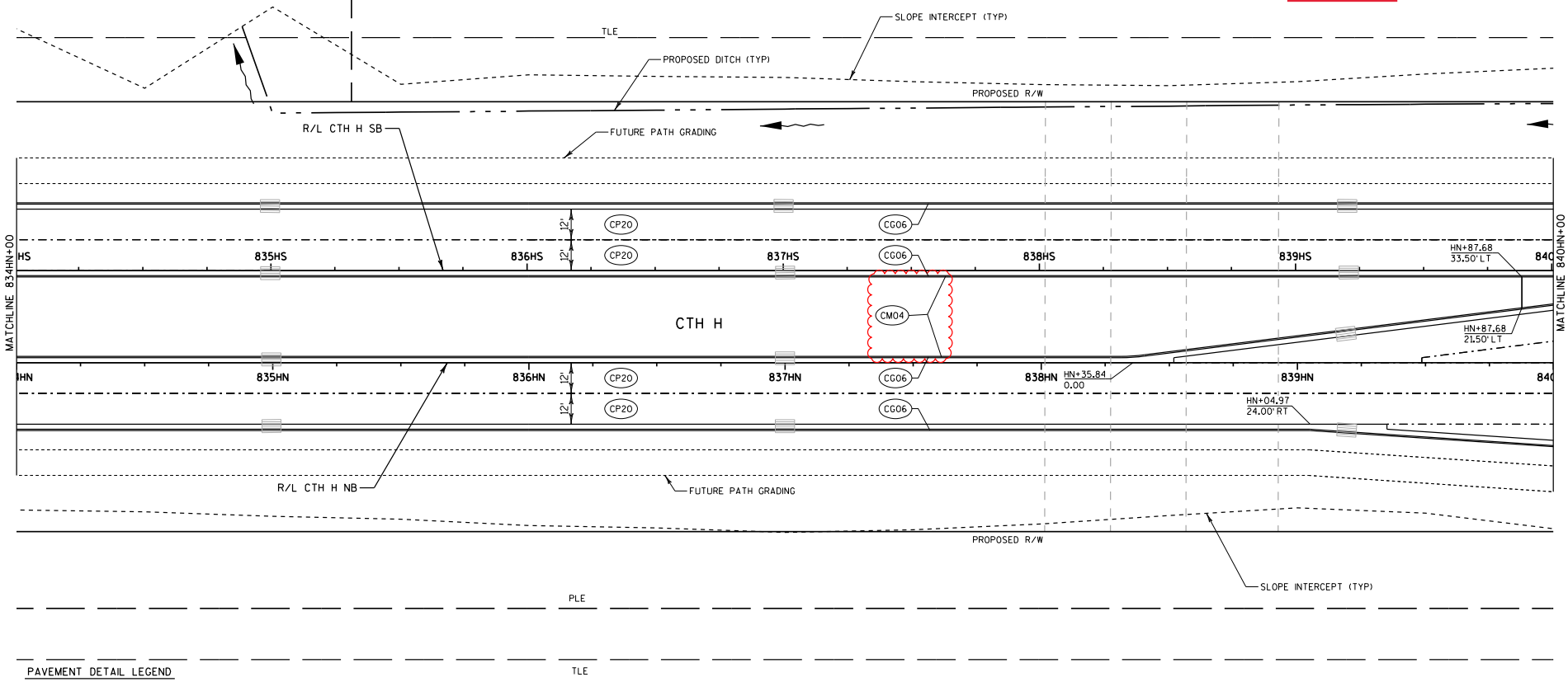
- (CG02) CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A
- (CG06) CONCRETE CURB AND GUTTER 30-INCH TYPE A
- (CM01) CONCRETE MEDIAN SLOPED NOSE TYPE 1
- (CM04) MAINTENANCE OPENING
- (CM05) CONCRETE SIDEWALK, 5-INCH
- (CP20) CONCRETE PAVEMENT 10-INCH, DOWELED

PROJECT NO: 3760-00-70	HWY: CTH H	COUNTY: RACINE	PLAN DETAILS: CTH H	SHEET 45	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.1_3760 ... \cds\021204_pd.dgn PLOT BY : jdepies PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

Addendum No. 01
ID 3760-00-70
Revised Sheet 47
January 4, 2019



PAVEMENT DETAIL LEGEND

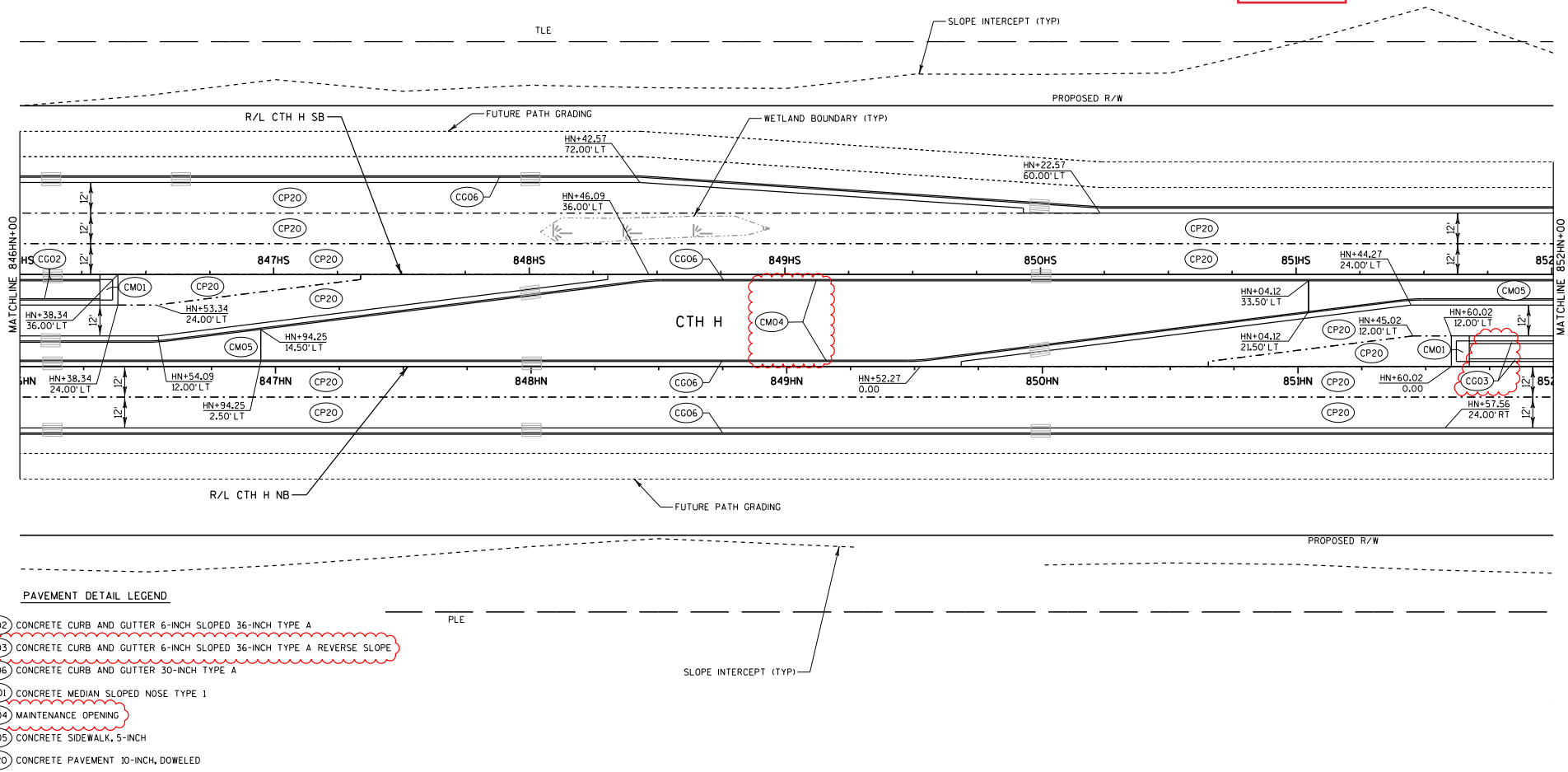
- CG06 CONCRETE CURB AND GUTTER 30-INCH TYPE A
- CM04 MAINTENANCE OPENING
- CP20 CONCRETE PAVEMENT 10-INCH, DOWELED

PROJECT NO: 3760-00-70	HWY: CTH H	COUNTY: RACINE	PLAN DETAILS: CTH H	SHEET 47	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.1_3760007[illegible]\cds\021206_pd.dgn PLOT BY : jdepies PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

Addendum No. 01
ID 3760-00-70
Revised Sheet 49
January 4, 2019



PAVEMENT DETAIL LEGEND

- CG02 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A
- CG03 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A REVERSE SLOPE
- CG06 CONCRETE CURB AND GUTTER 30-INCH TYPE A
- CM01 CONCRETE MEDIAN SLOPED NOSE TYPE 1
- CM04 MAINTENANCE OPENING
- CM05 CONCRETE SIDEWALK, 5-INCH
- CP20 CONCRETE PAVEMENT 10-INCH, DOWELED

PROJECT NO: 3760-00-70	HWY: CTH H	COUNTY: RACINE	PLAN DETAILS: CTH H	SHEET 49	E

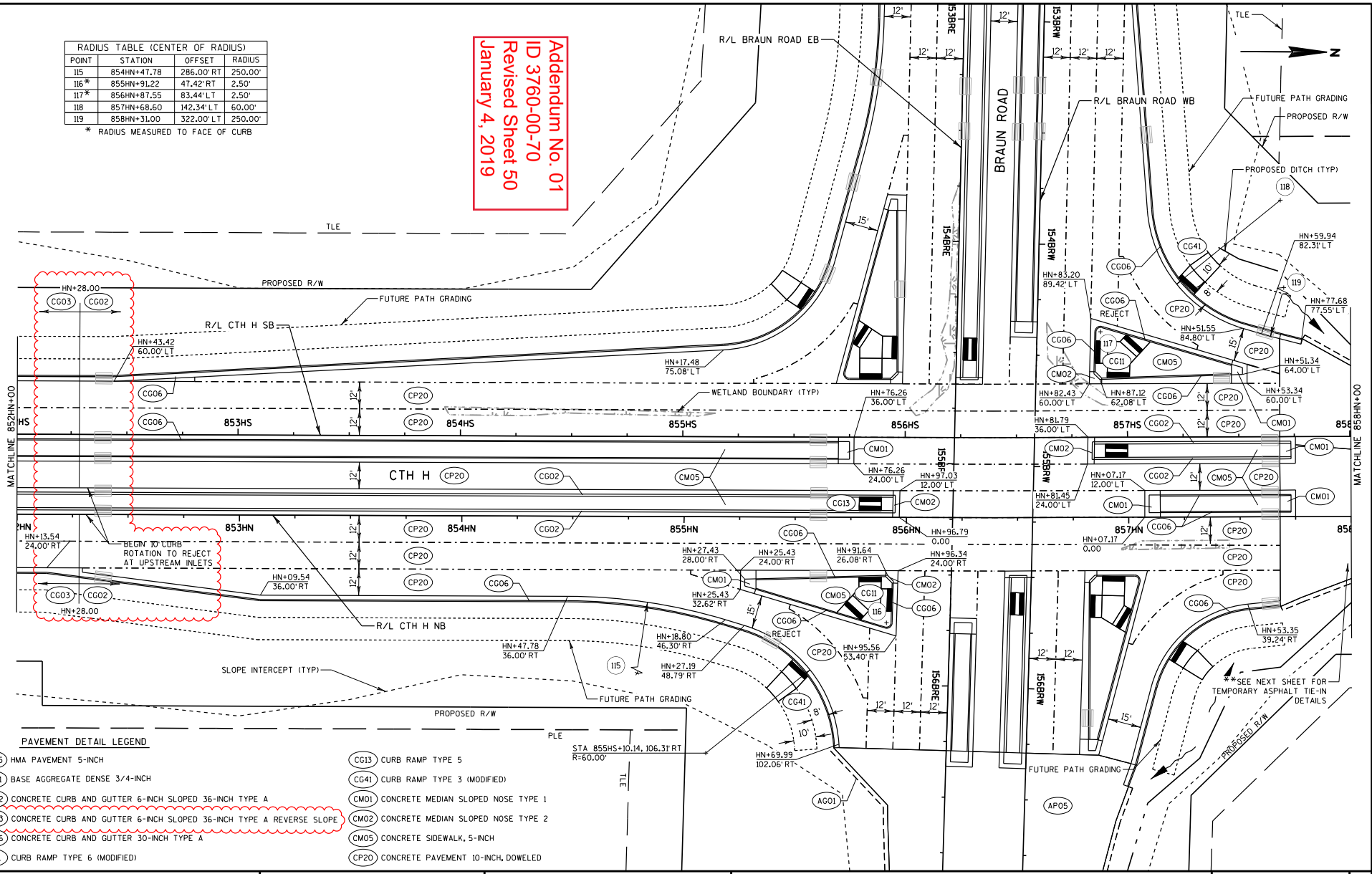
FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.1_3760007[illegible]\cds\021208_pd.dgn PLOT BY : jdepies PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

Addendum No. 01
ID 3760-00-70
Revised Sheet 50
January 4, 2019

RADIUS TABLE (CENTER OF RADIUS)			
POINT	STATION	OFFSET	RADIUS
115	854HN+47.78	286.00' RT	250.00'
116*	855HN+91.22	47.42' RT	2.50'
117*	856HN+87.55	83.44' LT	2.50'
118	857HN+68.60	142.34' LT	60.00'
119	858HN+31.00	322.00' LT	250.00'

* RADIUS MEASURED TO FACE OF CURB



PAVEMENT DETAIL LEGEND

- APO5 HMA PAVEMENT 5-INCH
- AGO1 BASE AGGREGATE DENSE 3/4-INCH
- CGO2 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A
- CGO3 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A REVERSE SLOPE
- CGO6 CONCRETE CURB AND GUTTER 30-INCH TYPE A
- CG11 CURB RAMP TYPE 6 (MODIFIED)
- CG13 CURB RAMP TYPE 5
- CG41 CURB RAMP TYPE 3 (MODIFIED)
- CMO1 CONCRETE MEDIAN SLOPED NOSE TYPE 1
- CMO2 CONCRETE MEDIAN SLOPED NOSE TYPE 2
- CMO5 CONCRETE SIDEWALK, 5-INCH
- CP20 CONCRETE PAVEMENT 10-INCH, DOWELED

PROJECT NO: 3760-00-70	HWY: CTH H	COUNTY: RACINE	PLAN DETAILS: CTH H	SHEET 50	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.1_3760070TCTHH-Sht2Plan2018\cds\021209_pd.dgn PLOT BY : jdepies PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

Addendum No. 01
ID 3760-00-70
Added Sheet 161A
January 4, 2019

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ORIENT ANCHOR RODS IN FOOTING AND PROVIDE ANCHOR ROD PROJECTION ABOVE TOP OF CONCRETE FOOTING BASE PER THIS SHEET.

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATION AS TO THE TYPE AND LOCATION OF THE UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

WELDING OF ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

BASES (SHAFT) SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

TOP SURFACE OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

CONDUIT SIZE AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASE SHALL BE 4½" INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NONMETALLIC CONDUIT SHALL HAVE BELL ENDS INSTALLED. ALL CONDUIT SHALL SLOPE TO PULL BOX.

ALL CONDUIT ENDS AT THE TOP OF THE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTOR FITTINGS, UL LISTED FOR ELECTRICAL USE, SHALL BE USED.

A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

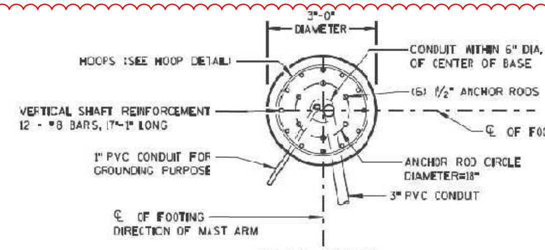
THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE THROUGH A 1-INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4-FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS.

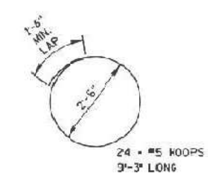
THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVEL WAY SHALL BE 24-INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18-INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36-INCHES. (GREATER THAN 36-INCHES IF INSTALLED IN BREAKER-RUN), EXCEPT WITH THE WRITTEN APPROVAL OF THE ENGINEER.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

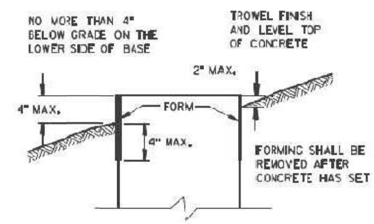
CONCRETE MASONRY ---------------------------------- f'c=3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60 ------ fy=60,000 p.s.i.
ANCHOR RODS, ASTM F1554 GRADE 55 IN ACCORDANCE WITH SECTION 641.2.3 OF THE STANDARD SPECIFICATIONS --- fy=55,000 p.s.i.
TEMPLATES, ASTM A709 GRADE 36 -------------------- fy=36,000 p.s.i.



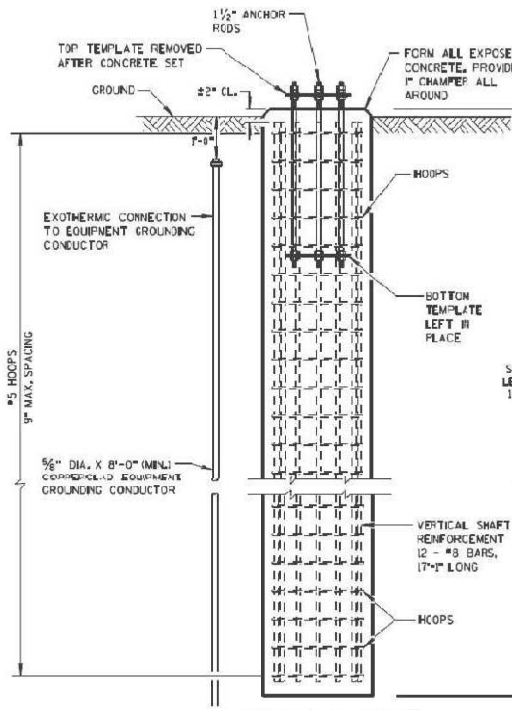
PLAN VIEW



HOOP DETAIL

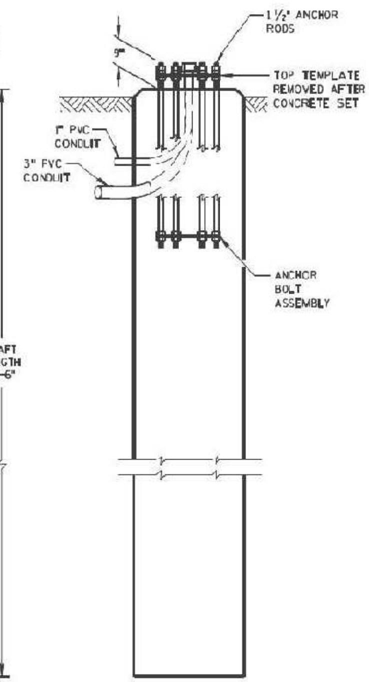


FORMING DETAIL



ELEVATION VIEW*

* CONDUITS ARE NOT SHOWN ON THIS VIEW FOR CLARITY



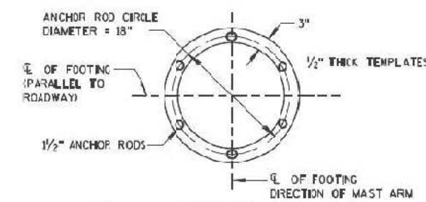
SIDE VIEW**

** HOOPS AND VERTICAL SHAFT REINFORCEMENT NOT SHOWN ON THIS VIEW FOR CLARITY

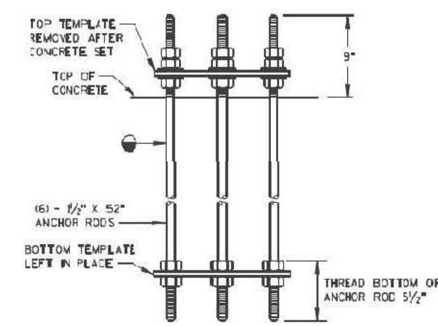
(FOR TYPE 9 & 10 SPECIAL POLES)

CONCRETE = 4.6 C.Y.
H.S. REINFORCEMENT = 779 LBS.

TO BE USED WHEN GROUND ELEVATION, AT BASE, EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION.



TOP AND BOTTOM TEMPLATES

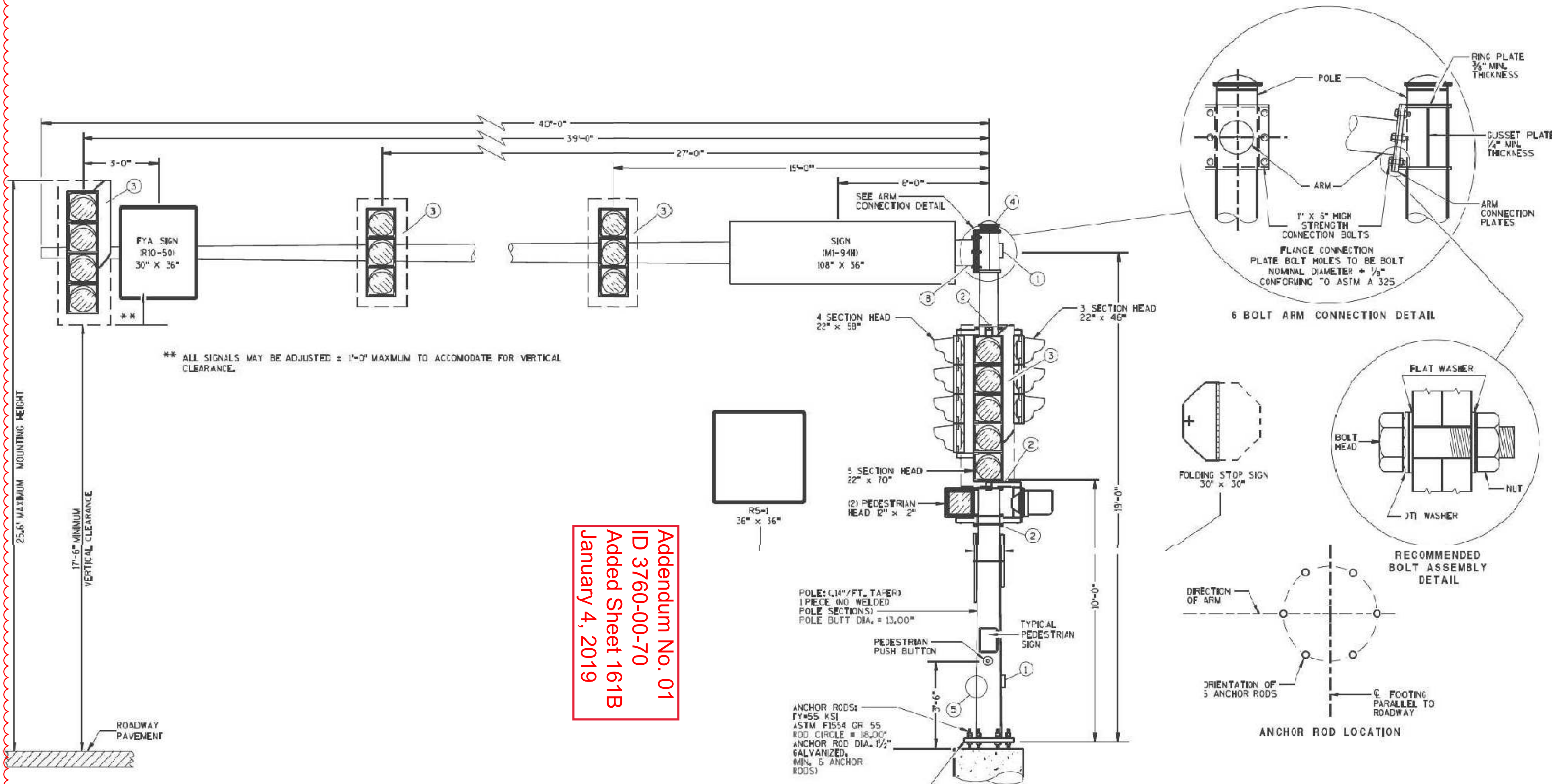


ANCHOR BOLT ASSEMBLY DETAIL

CONCRETE BASE ANCHOR ASSEMBLY

◓ THREAD TOP 9" OF ANCHOR ROD FOR 3 NUTS AND 2 WASHERS AND BOTTOM 5½" FOR 2 NUTS PER ANCHOR ROD. HOT-DIP GALVANIZE THE ENTIRE LENGTH OF THE ANCHOR RODS (ASTM A123) AND HOT-DIP NUTS AND WASHERS (ASTM A153). USE ZINC COATED NUTS MANUFACTURED WITH SUFFICIENT ALLOWANCE TO ALLOW NUTS TO RUN FREELY ON THE THREADS.

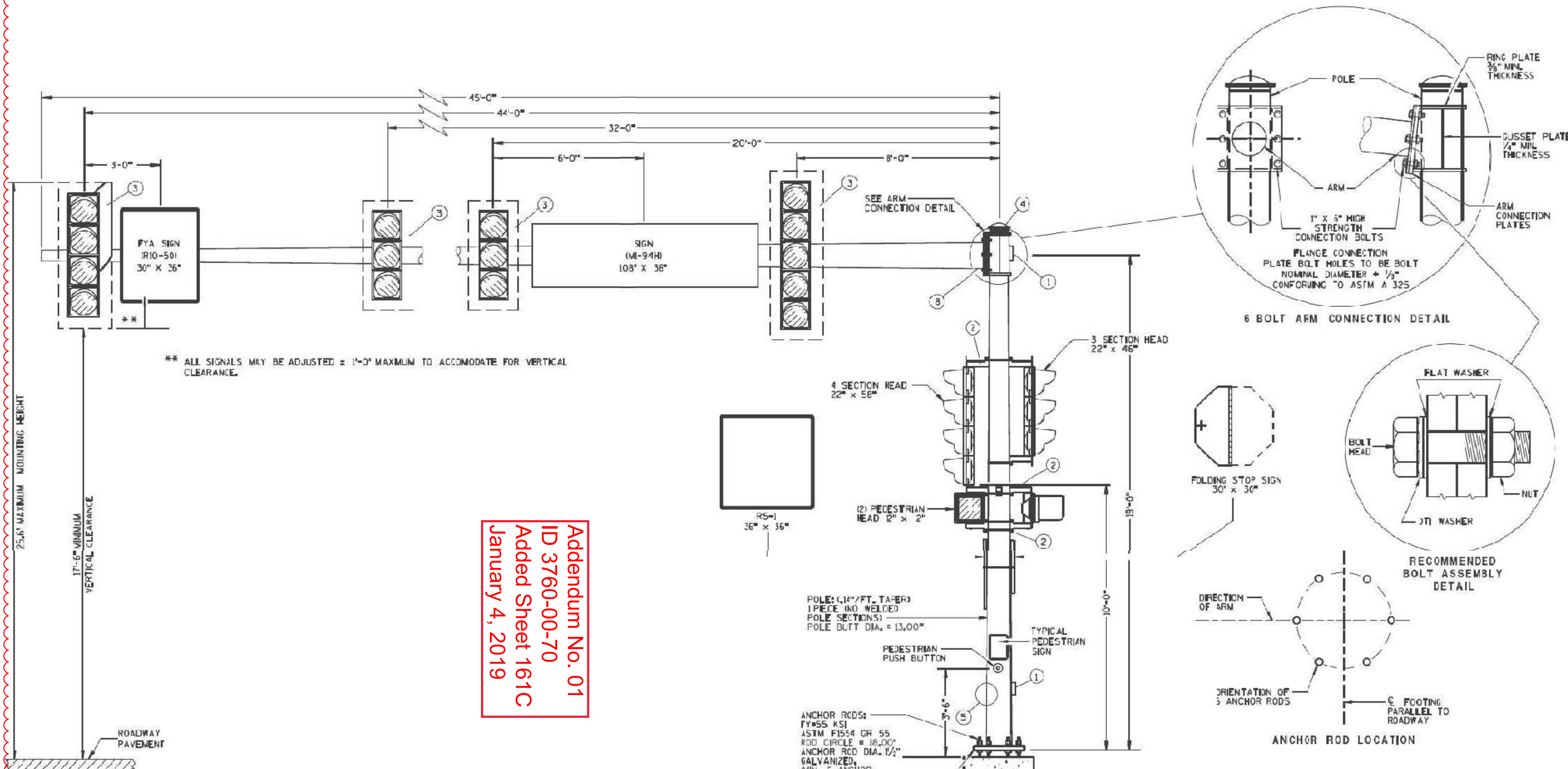
PROJECT NO: 3760-00-70	HWY: CTH H	COUNTY: RACINE	TRAFFIC SIGNAL DETAILS	SHEET 161a	E



Addendum No. 01
ID 3760-00-70
Added Sheet 161B
January 4, 2019

(MAXIMUM LOAD)

TYPE 9 SPECIAL POLE
40' MONOTUBE ARM

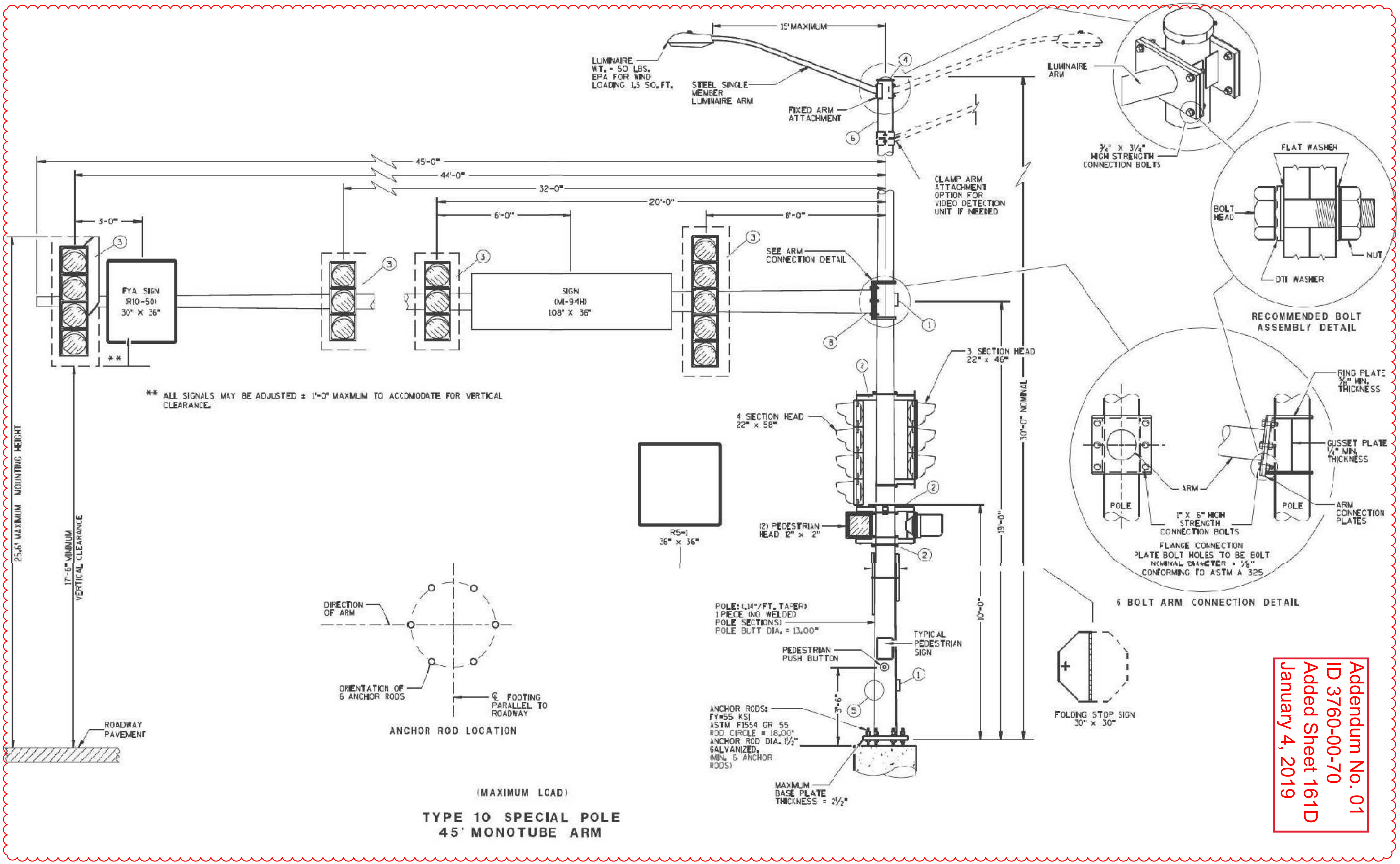


Addendum No. 01
ID 3760-00-70
Added Sheet 161C
January 4, 2019

(MAXIMUM LOAD)

TYPE 9 SPECIAL POLE
45' MONOTUBE ARM

PROJECT NO: 3760-00-70	HWY: CTH H	COUNTY: RACINE	TRAFFIC SIGNAL DETAILS	SHEET 161c	E

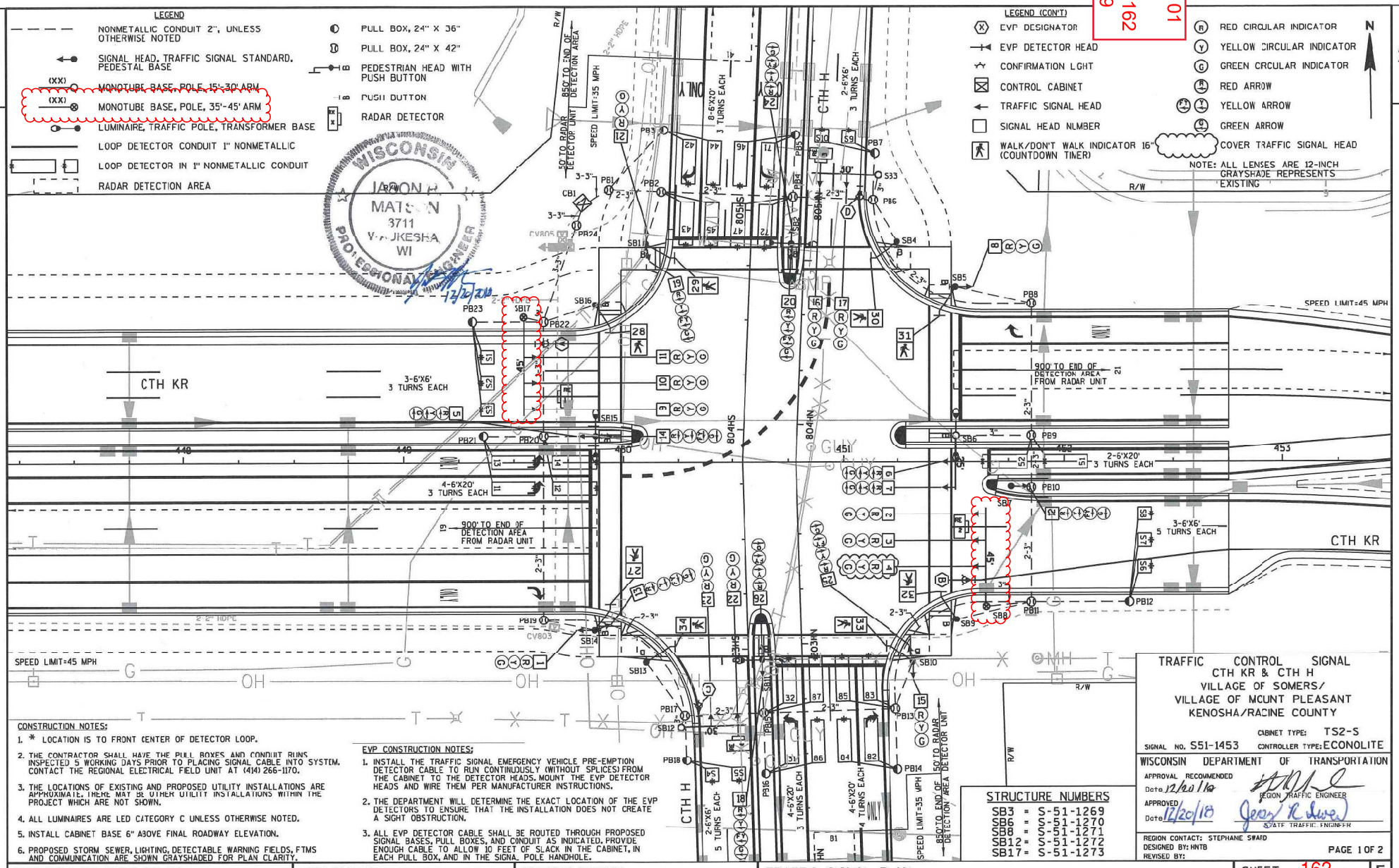


Addendum No. 01
ID 3760-00-70
Added Sheet 161D
January 4, 2019

PROJECT NO: 3760-00-70 | HWY: CTH H | COUNTY: RACINE | TRAFFIC SIGNAL DETAILS | SHEET 161d | E

2

Addendum No. 01
ID 3760-00-70
Revised Sheet 162
January 4, 2019



CONSTRUCTION NOTES:

1. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE REGIONAL ELECTRICAL FIELD UNIT AT (414) 266-1170.
3. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
4. ALL LUMINAIRES ARE LED CATEGORY C UNLESS OTHERWISE NOTED.
5. INSTALL CABINET BASE 6" ABOVE FINAL ROADWAY ELEVATION.
6. PROPOSED STORM SEWER, LIGHTING, DETECTABLE WARNING FIELDS, FTMS AND COMMUNICATION ARE SHOWN GRAYSHADED FOR PLAN CLARITY.

EVP CONSTRUCTION NOTES:

1. INSTALL THE TRAFFIC SIGNAL EMERGENCY VEHICLE PRE-EMPTION DETECTOR CABLE TO RUN CONTINUOUSLY (WITHOUT SPLICES) FROM THE CABINET TO THE DETECTOR HEADS. MOUNT THE EVP DETECTOR HEADS AND WIRE THEM PER MANUFACTURER INSTRUCTIONS.
2. THE DEPARTMENT WILL DETERMINE THE EXACT LOCATION OF THE EVP DETECTORS TO ENSURE THAT THE INSTALLATION DOES NOT CREATE A SIGHT OBSTRUCTION.
3. ALL EVP DETECTOR CABLE SHALL BE ROUTED THROUGH PROPOSED SIGNAL BASES, PULL BOXES, AND CONDUIT AS INDICATED. PROVIDE ENOUGH CABLE TO ALLOW 10 FEET OF SLACK IN THE CABINET, IN EACH PULL BOX, AND IN THE SIGNAL POLE HANDHOLE.

STRUCTURE NUMBERS

SB3 =	S-51-1269
SB6 =	S-51-1270
SB8 =	S-51-1271
SB12 =	S-51-1272
SB17 =	S-51-1273

TRAFFIC CONTROL SIGNAL
CTH KR & CTH H
VILLAGE OF SOMERS/
VILLAGE OF MOUNT PLEASANT
KENOSHA/RACINE COUNTY

CABINET TYPE: TS2-S
SIGNAL NO. S51-1453 CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVAL RECOMMENDED Date 12/20/18 REGION TRAFFIC ENGINEER
APPROVED Date 12/20/18 STATE TRAFFIC ENGINEER

REGION CONTACT: STEPHANIE SWARD
DESIGNED BY: HNTB
REVISED BY:
PAGE 1 OF 2

PROJECT NO: 3760-00-70	HWY: CTH H	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET 162	E

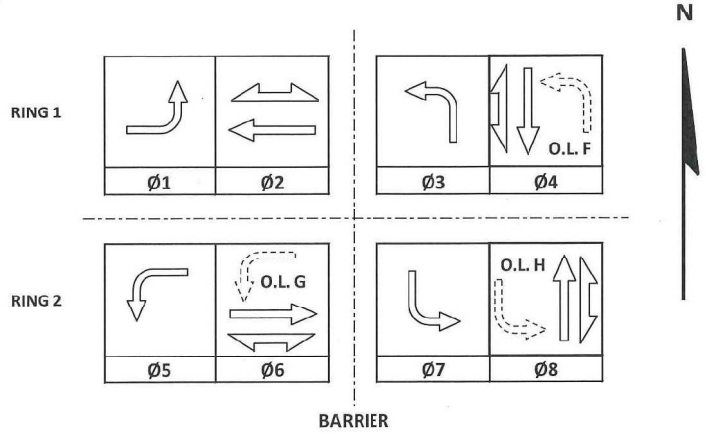
FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.1_3760000070CTHH_Somers_20181220_sp.dgn PLOT BY : jmatson PLOT NAME : PLOT SCALE : 40:1 WISDOT/CADDS SHEET 42

JMG 12/20/2018

Addendum No. 01
ID 3760-00-70
Revised Sheet 163
January 4, 2019

2

	HEAD NUMBERS	FLASH
Ø1	5,6,7	R ←
Ø2	8,9,10 11	R
Ø3	18,19,20	R ←
Ø4	21,22,23	R
Ø5	12,13,14	R ←
Ø6	1,2,3 4	R
Ø7	24,25,26	R ←
Ø8	15,16,17	R
Ø2P	29,30	
Ø4P	27,28	
Ø6P	33,34	
Ø8P	31,32	
OLE		
OLF	18,19,20	-
OLG	12,13,14	-
OLH	24,25,26	-



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1		6		X
2	X	6	MIN	X
3		8		X
4		8		X
5		2		X
6	X	2	MIN	X
7		4		X
8		4		X

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	X

TYPE OF COORDINATION	
NONE	X
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS-

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	
TOMAR	X
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTION	

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT	←	↗	↓	↑
PHASE	2+5	6+1	4+7	8+3

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	11	13	31	42	44	46	51	71
CALLED PHASE	1	1	3	4	4	4	5	7
CALL OPTION	X	X	X	X	X	X	X	X
DELAY TIME				X				
EXTENTION OPTION	X	X	X	X	X	X	X	X
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE			4				6	8

19	17	23	21	27	25	31	29
82	84	86	S1	S3	S5	S7	S9
8	8	8					
X	X	X					
X							
X	X	X					

35	33	39	37	43	41	47	45	DETECTOR INPUT
21	61							PLAN LOOP DETECTOR*(S)
2	6							CALLED PHASE
X	X							CALL OPTION
								DELAY TIME
X	X							EXTENTION OPTION
								EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)	12	14	32	43	45	47	52	72
CALLED PHASE	1	1	3	4	4	4	5	7
CALL OPTION	X	X	X	X	X	X	X	X
DELAY TIME				X				
EXTENTION OPTION	X	X	X	X	X	X	X	X
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE			4				6	8

20	18	24	22	28	26	32	30
83	85	87	S2	S4	S6	S8	S10
8	8	8					
X	X	X					
X							
X	X	X					

36	34	40	38	44	42	48	46	DETECTOR INPUT
41	81							PLAN LOOP DETECTOR*(S)
4	8							CALLED PHASE
X	X							CALL OPTION
								DELAY TIME
X	X							EXTENTION OPTION
								EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

CTH ER & CTH H
VILLAGE OF SOMERS/VILLAGE OF MOUNT PLEASANT
KENOSHA/RACINE COUNTY
SIGNAL NO: S51-1453 CABINET TYPE: TS2-S
CONTROLLER TYPE: ECONOLITE
DATE: 12/18 PAGE NO. 2 OF 2

PROJECT NO: 3760-00-70	HWY: CTH H	COUNTY: RACINE	SEQUENCE OF OPERATIONS	SHEET NO: 163	E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ PLOT SCALE : 1:1

JMG 12/20/2018
SSS 12/20/18

Addendum No. 01
ID 3760-00-70
Revised Sheet 166
January 4, 2019

2

LEGEND

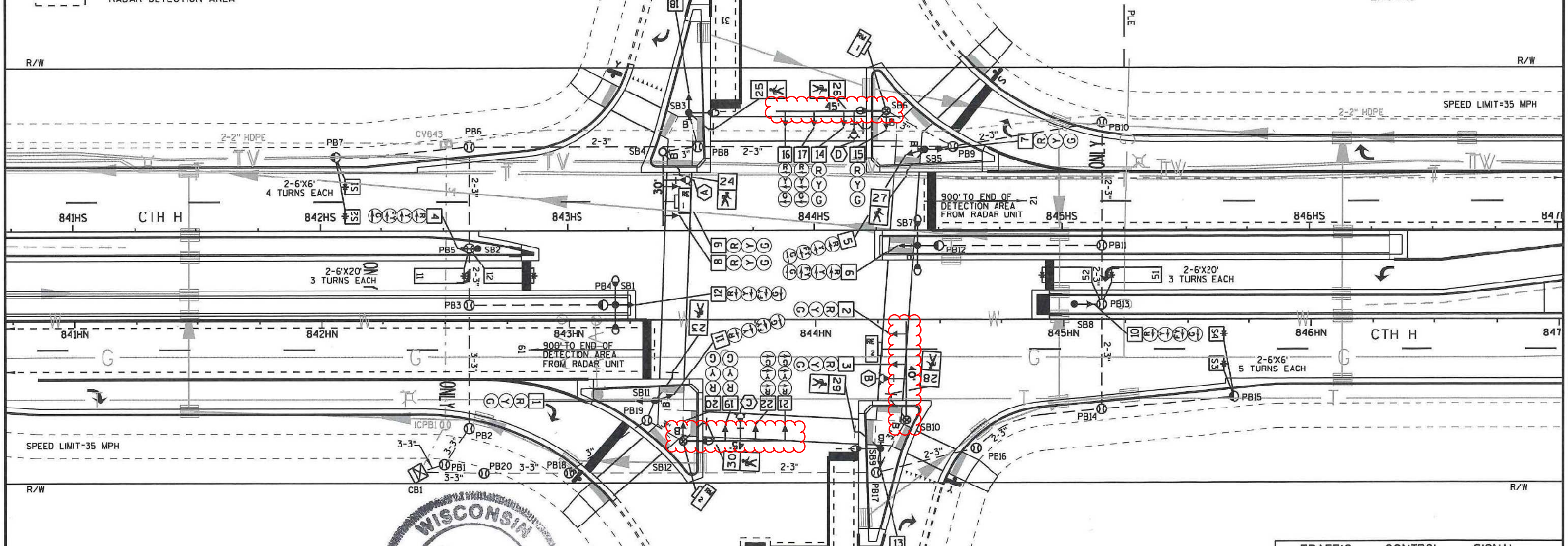
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-45' ARM
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- RADAR DETECTION AREA
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- STOP SIGN
- YIELD SIGN
- RADAR DETECTOR

LEGEND (CON'T)

- EVP DESIGNATOR
- EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- CONTROL CABINET
- TRAFFIC SIGNAL HEAD
- SIGNAL HEAD NUMBER
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

NOTE: ALL LENSES ARE 12-INCH GRAYSHADE REPRESENTS EXISTING

2



CONSTRUCTION NOTES:

1. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE REGIONAL ELECTRICAL FIELD UNIT AT (414) 266-1170.
3. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
4. ALL LUMINAIRES ARE LED CATEGORY C UNLESS OTHERWISE NOTED.
5. INSTALL CABINET BASE 6" ABOVE FINAL ROADWAY ELEVATION.
6. PROPOSED STORM SEWER, LIGHTING, DETECTABLE WARNING FIELDS, FTMS AND COMMUNICATION ARE SHOWN GRAYSHADED FOR PLAN CLARITY.

WISCONSIN JASON H. MATSON 3711 WAUKESHA WI PROFESSIONAL ENGINEER
12/20/2018

STRUCTURE NUMBERS	
SB4	S-51-1274
SB6	S-51-1275
SB10	S-51-1276
SB13	S-51-1277

EVP CONSTRUCTION NOTES:

1. INSTALL THE TRAFFIC SIGNAL EMERGENCY VEHICLE PRE-EMPTION DETECTOR CABLE TO RUN CONTINUOUSLY (WITHOUT SPLICES) FROM THE CABINET TO THE DETECTOR HEADS. MOUNT THE EVP DETECTOR HEADS AND WIRE THEM PER MANUFACTURER INSTRUCTIONS.
2. THE DEPARTMENT WILL DETERMINE THE EXACT LOCATION OF THE EVP DETECTORS TO ENSURE THAT THE INSTALLATION DOES NOT CREATE A SIGHT OBSTRUCTION.
3. ALL EVP DETECTOR CABLE SHALL BE ROUTED THROUGH PROPOSED SIGNAL BASES, PULL BOXES, AND CONDUIT AS INDICATED. PROVIDE ENOUGH CABLE TO ALLOW 10 FEET OF SLACK IN THE CABINET, IN EACH PULL BOX, AND IN THE SIGNAL POLE HANDHOLE.

TRAFFIC CONTROL SIGNAL
CTH H & ACCESS FC6/ACCESS E5A
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO. S51-1470 CABINET TYPE: TS2-S CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVAL RECOMMENDED Date 12/20/18 REGION TRAFFIC ENGINEER
APPROVED Date STATE TRAFFIC ENGINEER

REGION CONTACT: STEPHANE SWARD
DESIGNED BY: HNTB
REVISED BY:
PAGE 1 OF 2

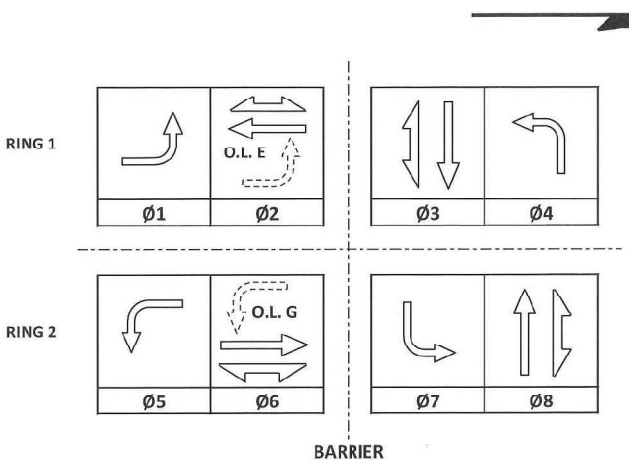
JMG 12/20/2018

PROJECT NO: 3760-00-70	HWY: CTH H	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET 166	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.1_3760007OTCDATE-Sol... PLOT BY : jmatson PLOT NAME : PLOT SCALE : 40:1 WISDOT/CADDS SHEET 42

Addendum No. 01
ID 3760-00-70
Revised Sheet 167
January 4, 2019

	HEAD NUMBERS	FLASH
Ø1	4,5,6	R
Ø2	7,8,9	R
Ø3	18,19,20	R
Ø4	16,17	R
Ø5	10,11,12	R
Ø6	1,2,3	R
Ø7	21,22	R
Ø8	13,14,15	R
Ø2P	25,25	
Ø3P	23,24	
Ø6P	29,30	
Ø8P	27,28	
OLE	4,5,6	-
OLF		
OLG	10,11,12	-
OLH		



GENERAL NOTES:

1. PHASES 4 AND 7 ARE IN CONFLICT AND NOT ALLOWED TO TIME CONCURRENTLY.

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1		6		X
2	X	6	MIN	X
3		8		X
4		8		X
5		2		X
6	X	2	MIN	X
7		3		X
8		3		X

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE	2+5	6+1	3+7	8+4

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 3+7 OR 8+4, CONTROLLER SHALL RETURN TO PHASES 3+8.

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	X

TYPE OF COORDINATION	
NONE	X
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER	
CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS-

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	X
TOMAR	
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	11	51	S1	S3				
CALLED PHASE	1	5						
CALL OPTION	X	X						
DELAY TIME								
EXTENTION OPTION	X	X						
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE	2	6						

35	33	39	37	43	41	47	45	DETECTOR INPUT
21	41	61	72					PLAN LOOP DETECTOR*(S)
2	4	6	7					CALLED PHASE
X	X	X	X					CALL OPTION
								DELAY TIME
X	X	X	X					EXTENTION OPTION
								EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)	12	52	S2	S4				
CALLED PHASE	1	5						
CALL OPTION	X	X						
DELAY TIME								
EXTENTION OPTION	X	X						
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE	2	6						

36	34	40	38	44	42	48	46	DETECTOR INPUT
31	42	71	81					PLAN LOOP DETECTOR*(S)
3	4	7	8					CALLED PHASE
X	X	X	X					CALL OPTION
								DELAY TIME
X	X	X	X					EXTENTION OPTION
								EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

CTH H & ACCESS FC6/ACCESS E3A
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY
SIGNAL NO: S51-1470 CABINET TYPE: TS2-
CONTROLLER TYPE: ECONOLITE
DATE: 12/2018 PAGE NUMBER: 2 OF 2

PROJECT NO: 3760-00-70	HWY: CTH H	COUNTY: RACINE	SEQUENCE OF OPERATIONS	SHEET NO: 167	E

FILE NAME: \\milw00\prwork\JOBS\71190\0800Traffic\0850 Traffic Signals\3760070_CTH_South\02_Driveway\TS2-S E FYA EFGH Econolite_SEQ.xlsx PLOT DATE: 11/2/2018 PLOT NAME: TS2-9_E_FYA_EFGH Econ PLOT BY: _____ PLOT SCALE: 1:1

12/20/2018 JMG
SSS 12/20/18

Addendum No. 01
ID 3760-00-70
Revised Sheet 176
January 4, 2019

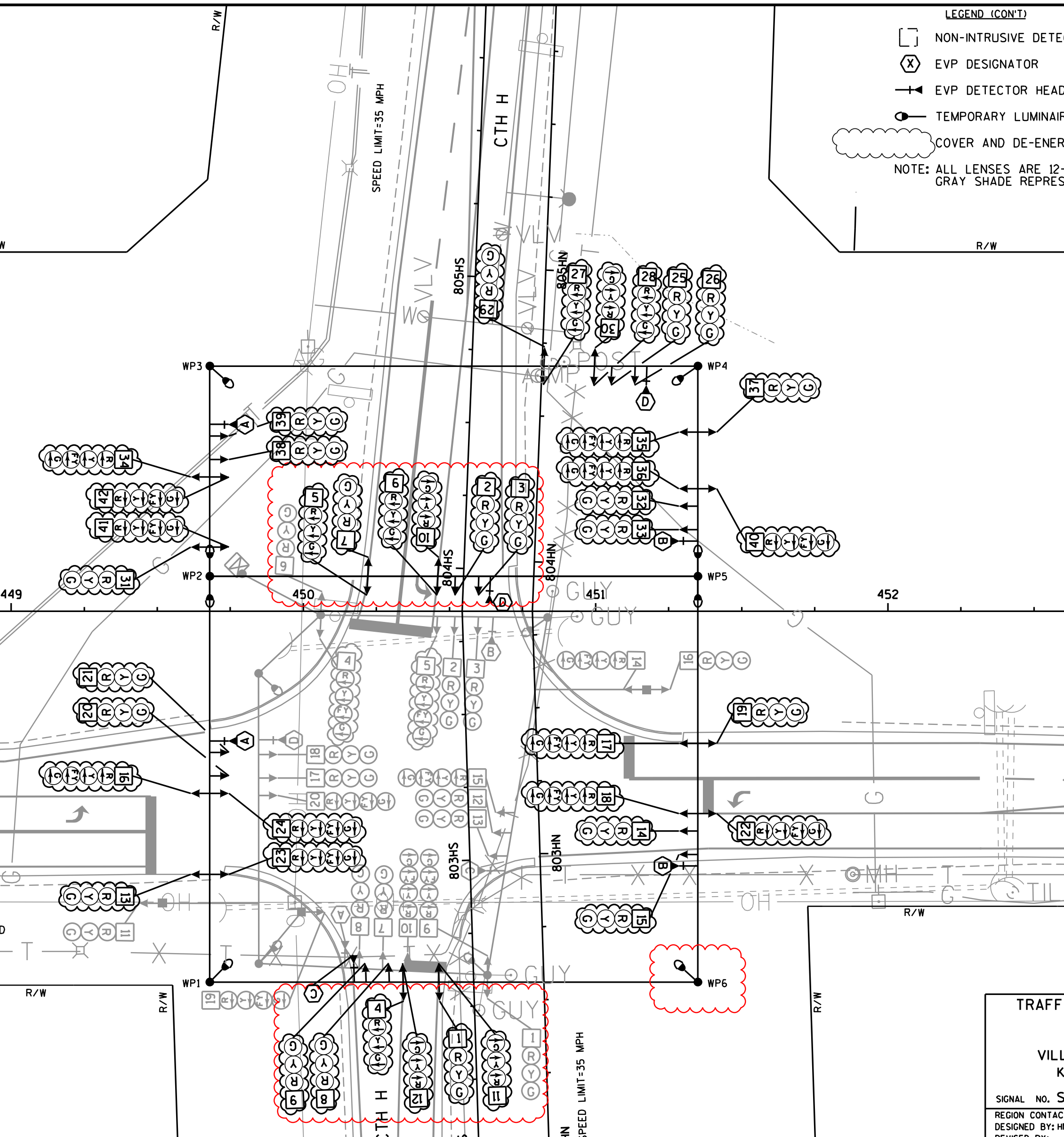
LEGEND

- ← SIGNAL HEAD, OVERHEAD MOUNT
- ● CLASS 4 WOOD POLE
- ■ WOOD POST
- —— CABLE - OVERHEAD
- □ SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

LEGEND (CON'T)

- NON-INTRUSIVE DETECTION AREA
- EVP DESIGNATOR
- EVP DETECTOR HEAD
- TEMPORARY LUMINAIRE LED CATEGORY C
- COVER AND DE-ENERGIZE TRAFFIC SIGNAL HEAD

NOTE: ALL LENSES ARE 12-INCH
GRAY SHADE REPRESENTS EXISTING



CONSTRUCTION NOTES:

1. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINET, CCTV & HEADS SHALL BE AS DIRECTED BY THE ENGINEER.
2. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
3. ALL NEAR RIGHT TRAFFIC SIGNAL HEADS SHALL BE PLACED BETWEEN THE SPAN WIRE AND TETHER WIRE.
4. DETECTION AREAS ARE APPROXIMATE. ZONES SHALL BE ADJUSTED BY THE CONTRACTOR TO MATCH FIELD CONDITIONS.
5. WISDOT ELECTRICAL (414 266-1170) SHALL BE NOTIFIED 5 WORKING DAYS BEFORE TEMPORARY TRAFFIC SIGNAL TURN ON.
6. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
7. ADJUST TEMPORARY SIGNALS AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD TRAFFIC SIGNAL REQUIREMENTS.

TRAFFIC CONTROL SIGNAL
CTH KR & CTH H
VILLAGE OF SOMERS/
VILLAGE OF MOUNT PLEASANT
KENOSHA/RACINE COUNTY

SIGNAL NO. S51-1453

REGION CONTACT: STEPHANIE SWARD
DESIGNED BY: HNTB
REVISED BY:

PAGE 1 OF 8

PROJECT NO: 3760-00-70	HWY: CTH H	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - PRE-STAGE 1	SHEET 176	E

Addendum No. 01
ID 3760-00-70
Revised Sheet 177
January 4, 2019

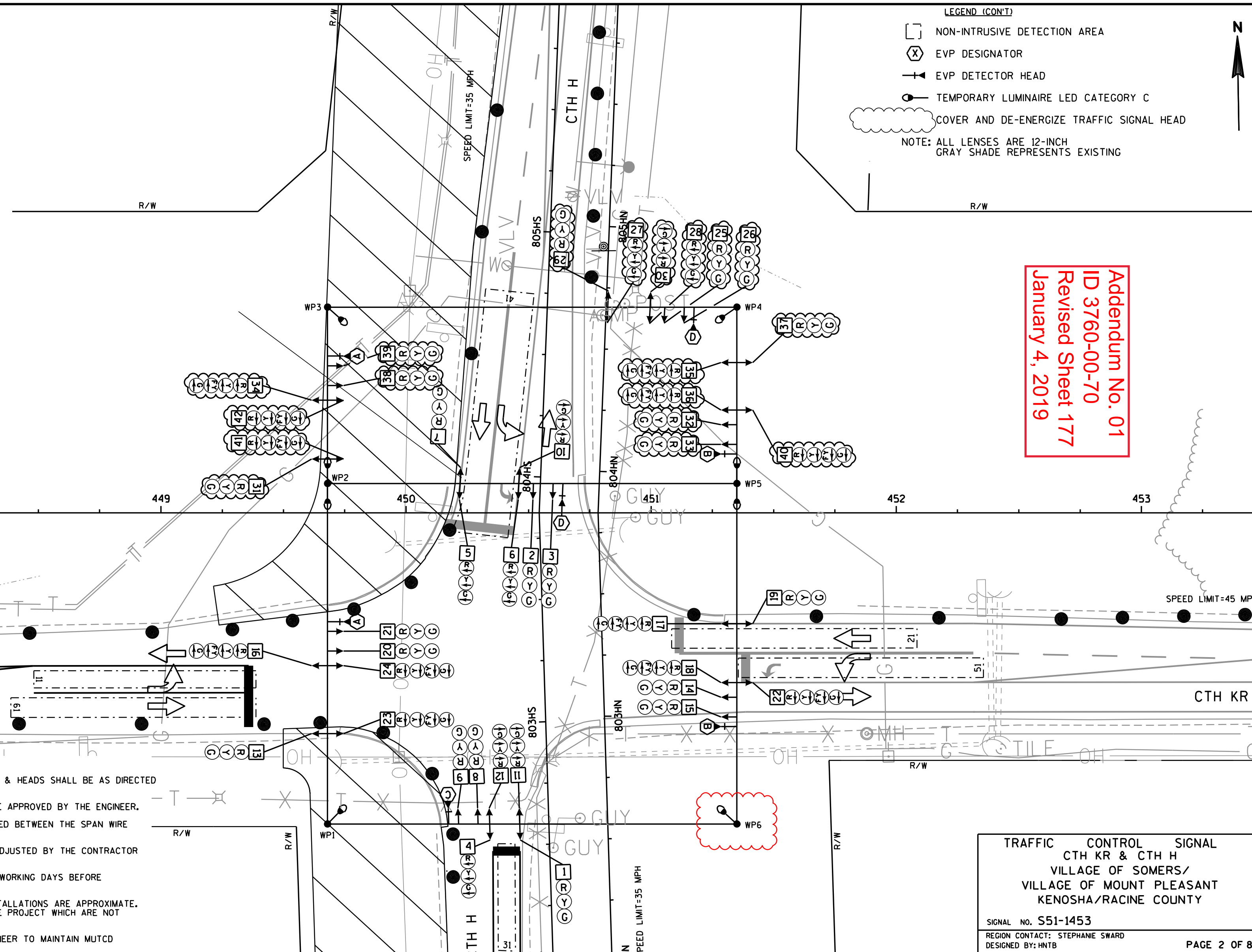
LEGEND

- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- WOOD POST
- CABLE - OVERHEAD
- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

LEGEND (CON'T)

- NON-INTRUSIVE DETECTION AREA
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- TEMPORARY LUMINAIRE LED CATEGORY C
- COVER AND DE-ENERGIZE TRAFFIC SIGNAL HEAD

NOTE: ALL LENSES ARE 12-INCH
GRAY SHADE REPRESENTS EXISTING



CONSTRUCTION NOTES:

1. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINET, CCTV & HEADS SHALL BE AS DIRECTED BY THE ENGINEER.
2. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
3. ALL NEAR RIGHT TRAFFIC SIGNAL HEADS SHALL BE PLACED BETWEEN THE SPAN WIRE AND TETHER WIRE.
4. DETECTION AREAS ARE APPROXIMATE. ZONES SHALL BE ADJUSTED BY THE CONTRACTOR TO MATCH FIELD CONDITIONS.
5. WISDOT ELECTRICAL (414 266-1170) SHALL BE NOTIFIED 5 WORKING DAYS BEFORE TEMPORARY TRAFFIC SIGNAL TURN ON.
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TRAFFIC CONTROL SIGNAL
CTH KR & CTH H
VILLAGE OF SOMERS/
VILLAGE OF MOUNT PLEASANT
KENOSHA/RACINE COUNTY

SIGNAL NO. S51-1453

REGION CONTACT: STEPHANIE SWARD
DESIGNED BY: HNTB
REVISED BY:

PAGE 2 OF 8

PROJECT NO: 3760-00-70	HWY: CTH H	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1	SHEET 177	E

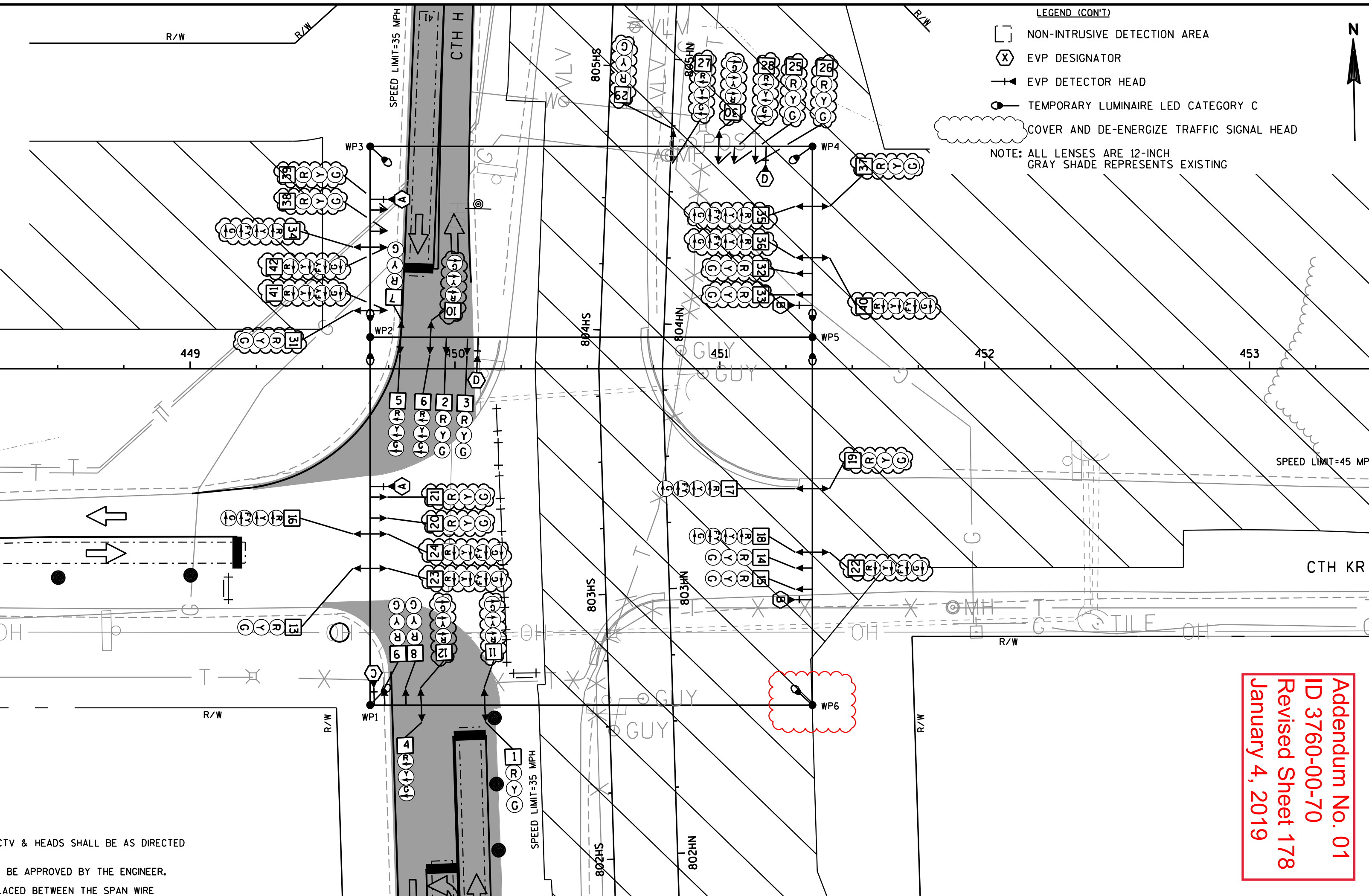
LEGEND

- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- WOOD POST
- CABLE - OVERHEAD
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

LEGEND (CON'T)

- NON-INTRUSIVE DETECTION AREA
- EVP DESIGNATOR
- EVP DETECTOR HEAD
- TEMPORARY LUMINAIRE LED CATEGORY C
- COVER AND DE-ENERGIZE TRAFFIC SIGNAL HEAD

NOTE: ALL LENSES ARE 12-INCH
GRAY SHADE REPRESENTS EXISTING



Addendum No. 01
ID 3760-00-70
Revised Sheet 178
January 4, 2019

CONSTRUCTION NOTES:

1. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINET, CCTV & HEADS SHALL BE AS DIRECTED BY THE ENGINEER.
2. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
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5. WISDOT ELECTRICAL (414 266-1170) SHALL BE NOTIFIED 5 WORKING DAYS BEFORE TEMPORARY TRAFFIC SIGNAL TURN ON.
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7. ADJUST TEMPORARY SIGNALS AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD TRAFFIC SIGNAL REQUIREMENTS.

TRAFFIC CONTROL SIGNAL
CTH KR & CTH H
VILLAGE OF SOMERS/
VILLAGE OF MOUNT PLEASANT
KENOSHA/RACINE COUNTY

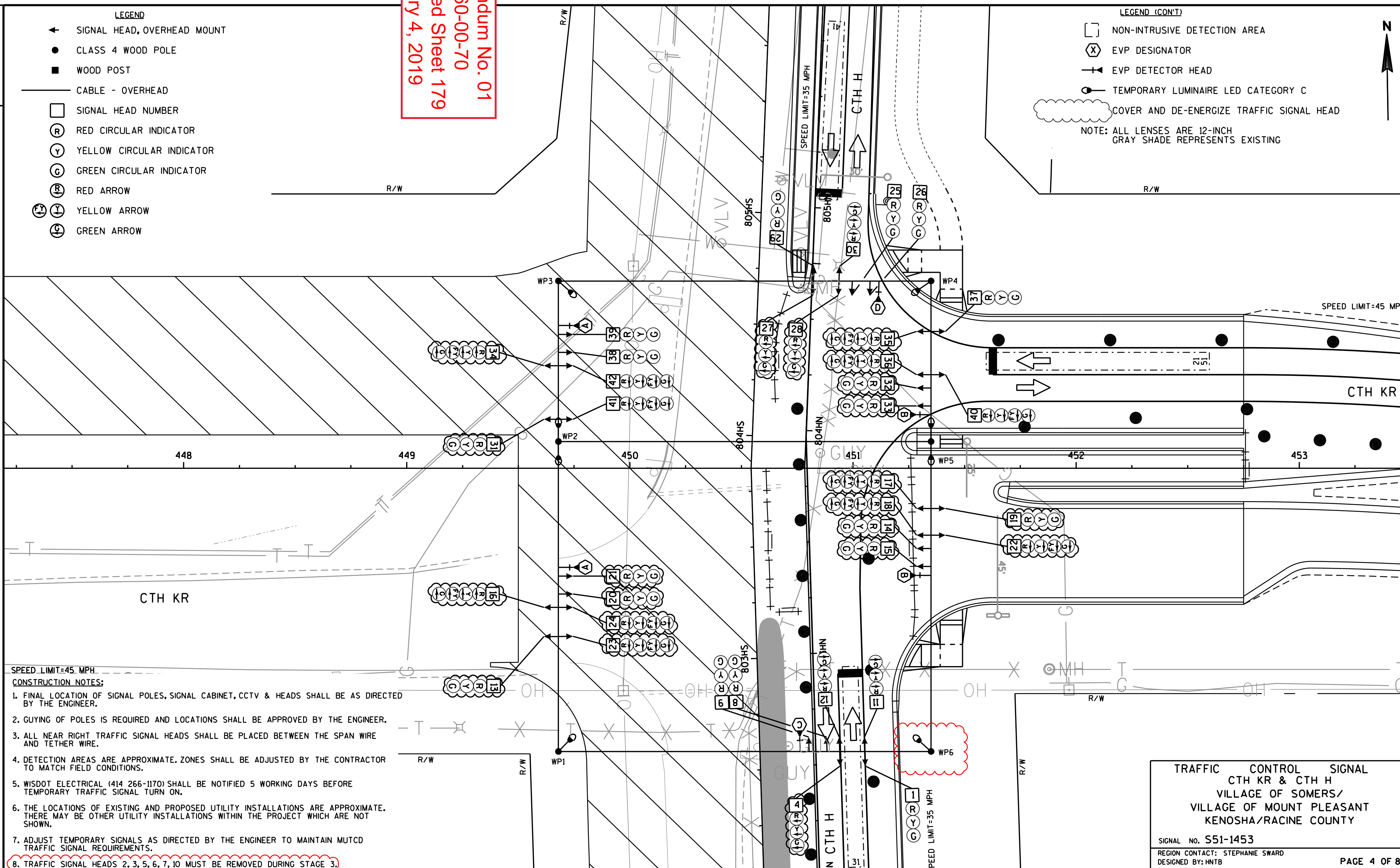
SIGNAL NO. S51-1453

REGION CONTACT: STEPHANIE SWARD
DESIGNED BY: HNTB
REVISED BY:

PAGE 3 OF 8

PROJECT NO: 3760-00-70	HWY: CTH H	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2A	SHEET 178	E

Addendum No. 01
ID 3760-00-70
Revised Sheet 179
January 4, 2019



LEGEND

- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- WOOD POST
- CABLE - OVERHEAD
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

LEGEND (CON'T)

- NON-INTRUSIVE DETECTION AREA
- EVP DESIGNATOR
- EVP DETECTOR HEAD
- TEMPORARY LUMINAIRE LED CATEGORY C
- COVER AND DE-ENERGIZE TRAFFIC SIGNAL HEAD

NOTE: ALL LENSES ARE 12-INCH
GRAY SHADE REPRESENTS EXISTING

SPEED LIMIT=45 MPH

CONSTRUCTION NOTES:

1. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINET, CCTV & HEADS SHALL BE AS DIRECTED BY THE ENGINEER.
2. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
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6. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
7. ADJUST TEMPORARY SIGNALS AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD TRAFFIC SIGNAL REQUIREMENTS.
8. TRAFFIC SIGNAL HEADS 2, 3, 5, 6, 7, 10 MUST BE REMOVED DURING STAGE 3.

TRAFFIC CONTROL SIGNAL
CTH KR & CTH H
VILLAGE OF SOMERS/
VILLAGE OF MOUNT PLEASANT
KENOSHA/RACINE COUNTY

SIGNAL NO. S51-1453

REGION CONTACT: STEPHANIE SWARD
DESIGNED BY: HNTB
REVISED BY:

PAGE 4 OF 8

PROJECT NO: 3760-00-70	HWY: CTH H	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3	SHEET 179	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.1_3760 PLOT DATE : 12/14/2018 PLOT BY : jmatson PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

Addendum No. 01
ID 3760-00-70
Revised Sheet 180
January 4, 2019

LEGEND

- ← SIGNAL HEAD, OVERHEAD MOUNT
- ● CLASS 4 WOOD POLE
- ■ WOOD POST
- —— CABLE - OVERHEAD
- ☐ SIGNAL HEAD NUMBER
- Ⓡ RED CIRCULAR INDICATOR
- Ⓨ YELLOW CIRCULAR INDICATOR
- Ⓖ GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

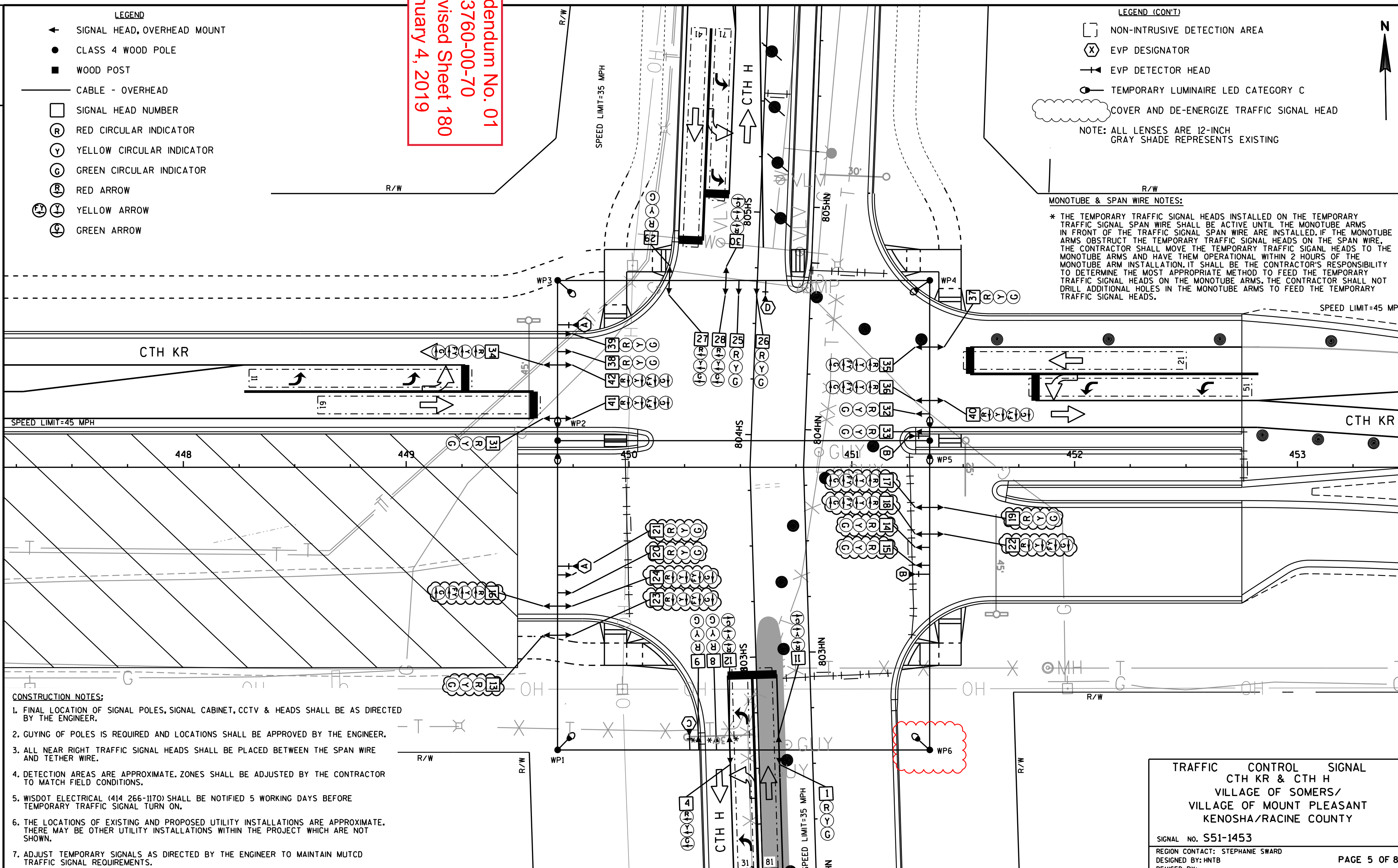
LEGEND (CON'T)

- NON-INTRUSIVE DETECTION AREA
- Ⓧ EVP DESIGNATOR
- EVP DETECTOR HEAD
- TEMPORARY LUMINAIRE LED CATEGORY C
- COVER AND DE-ENERGIZE TRAFFIC SIGNAL HEAD

NOTE: ALL LENSES ARE 12-INCH
GRAY SHADE REPRESENTS EXISTING

MONOTUBE & SPAN WIRE NOTES:

* THE TEMPORARY TRAFFIC SIGNAL HEADS INSTALLED ON THE TEMPORARY TRAFFIC SIGNAL SPAN WIRE SHALL BE ACTIVE UNTIL THE MONOTUBE ARMS IN FRONT OF THE TRAFFIC SIGNAL SPAN WIRE ARE INSTALLED. IF THE MONOTUBE ARMS OBSTRUCT THE TEMPORARY TRAFFIC SIGNAL HEADS ON THE SPAN WIRE, THE CONTRACTOR SHALL MOVE THE TEMPORARY TRAFFIC SIGANL HEADS TO THE MONOTUBE ARMS AND HAVE THEM OPERATIONAL WITHIN 2 HOURS OF THE MONOTUBE ARM INSTALLATION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE MOST APPROPRIATE METHOD TO FEED THE TEMPORARY TRAFFIC SIGNAL HEADS ON THE MONOTUBE ARMS. THE CONTRACTOR SHALL NOT DRILL ADDITIONAL HOLES IN THE MONOTUBE ARMS TO FEED THE TEMPORARY TRAFFIC SIGNAL HEADS.



CONSTRUCTION NOTES:

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4. DETECTION AREAS ARE APPROXIMATE. ZONES SHALL BE ADJUSTED BY THE CONTRACTOR TO MATCH FIELD CONDITIONS.
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7. ADJUST TEMPORARY SIGNALS AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD TRAFFIC SIGNAL REQUIREMENTS.

TRAFFIC CONTROL SIGNAL
CTH KR & CTH H
VILLAGE OF SOMERS/
VILLAGE OF MOUNT PLEASANT
KENOSHA/RACINE COUNTY

SIGNAL NO. S51-1453

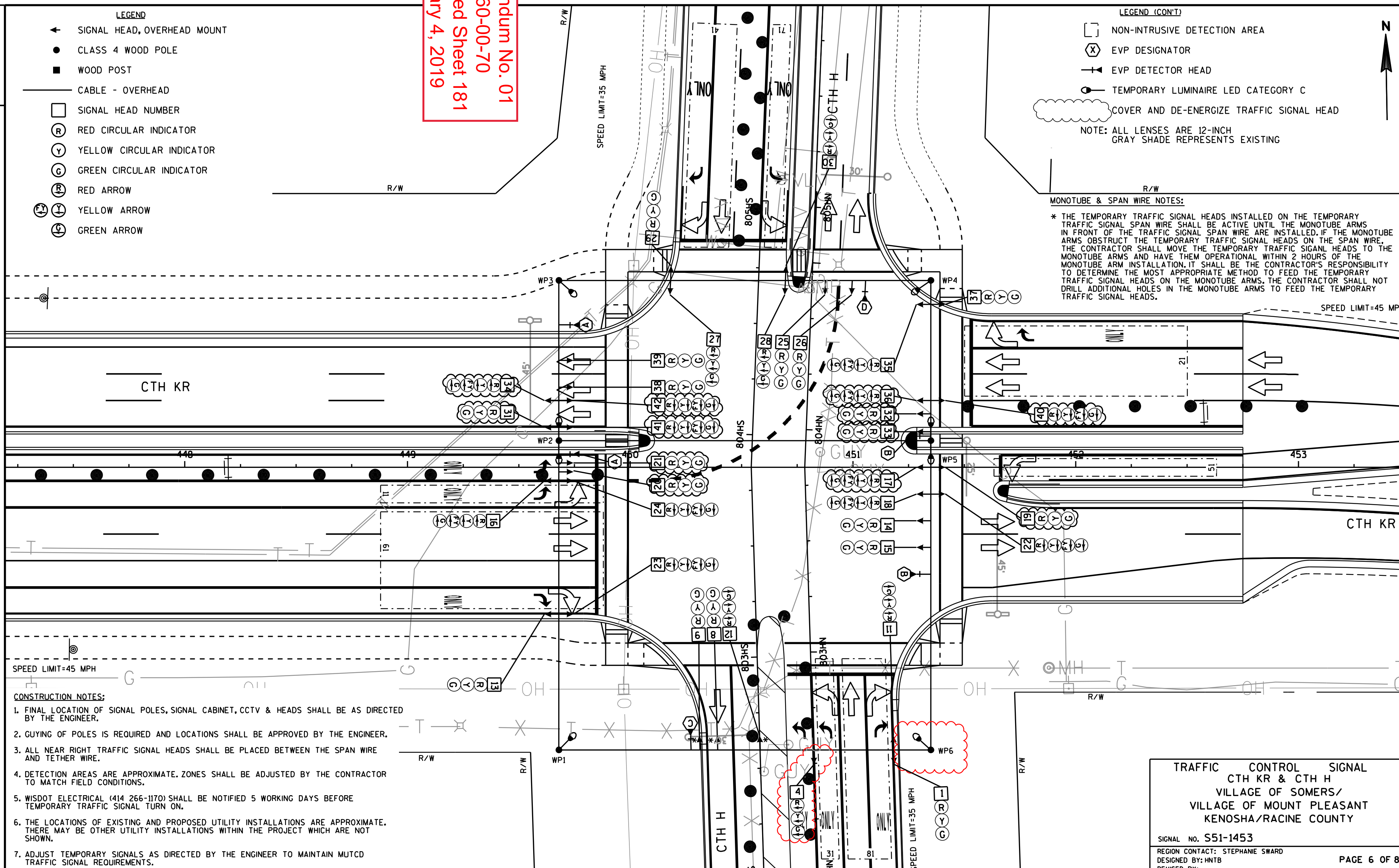
REGION CONTACT: STEPHANIE SWARD
DESIGNED BY: HNTB
REVISED BY:

PAGE 5 OF 8

PROJECT NO: 3760-00-70	HWY: CTH H	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4A	SHEET 180	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.1_3760 ... PLOT NAME : PLOT SCALE : 40:1 WISDOT/CADDS SHEET 42

Addendum No. 01
ID 3760-00-70
Revised Sheet 181
January 4, 2019



LEGEND

- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- WOOD POST
- CABLE - OVERHEAD
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

LEGEND (CON'T)

- NON-INTRUSIVE DETECTION AREA
- EVP DESIGNATOR
- EVP DETECTOR HEAD
- TEMPORARY LUMINAIRE LED CATEGORY C
- COVER AND DE-ENERGIZE TRAFFIC SIGNAL HEAD

NOTE: ALL LENSES ARE 12-INCH
GRAY SHADE REPRESENTS EXISTING

MONOTUBE & SPAN WIRE NOTES:

* THE TEMPORARY TRAFFIC SIGNAL HEADS INSTALLED ON THE TEMPORARY TRAFFIC SIGNAL SPAN WIRE SHALL BE ACTIVE UNTIL THE MONOTUBE ARMS IN FRONT OF THE TRAFFIC SIGNAL SPAN WIRE ARE INSTALLED. IF THE MONOTUBE ARMS OBSTRUCT THE TEMPORARY TRAFFIC SIGNAL HEADS ON THE SPAN WIRE, THE CONTRACTOR SHALL MOVE THE TEMPORARY TRAFFIC SIGANL HEADS TO THE MONOTUBE ARMS AND HAVE THEM OPERATIONAL WITHIN 2 HOURS OF THE MONOTUBE ARM INSTALLATION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE MOST APPROPRIATE METHOD TO FEED THE TEMPORARY TRAFFIC SIGNAL HEADS ON THE MONOTUBE ARMS. THE CONTRACTOR SHALL NOT DRILL ADDITIONAL HOLES IN THE MONOTUBE ARMS TO FEED THE TEMPORARY TRAFFIC SIGNAL HEADS.

CONSTRUCTION NOTES:

1. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINET, CCTV & HEADS SHALL BE AS DIRECTED BY THE ENGINEER.
2. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
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5. WISDOT ELECTRICAL (414 266-1170) SHALL BE NOTIFIED 5 WORKING DAYS BEFORE TEMPORARY TRAFFIC SIGNAL TURN ON.
6. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
7. ADJUST TEMPORARY SIGNALS AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD TRAFFIC SIGNAL REQUIREMENTS.

TRAFFIC CONTROL SIGNAL
CTH KR & CTH H
VILLAGE OF SOMERS/
VILLAGE OF MOUNT PLEASANT
KENOSHA/RACINE COUNTY

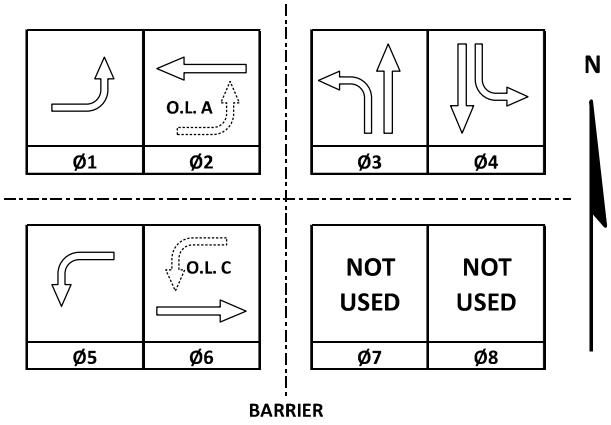
SIGNAL NO. S51-1453

REGION CONTACT: STEPHANIE SWARD
DESIGNED BY: HNTB
REVISED BY:

PAGE 6 OF 8

PROJECT NO: 3760-00-70	HWY: CTH H	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 5A	SHEET 181	E

	HEAD NUMBERS	FLASH	
Ø1	16,17,18,34,35,36	-	RING 1
Ø2	19,20,21,37,38,39	R	
Ø3	1,2,3,4,5,6,25,26,27,28	R,R	
Ø4	7,8,9,10,11,12,29,30	R,R	
Ø5	22,23,24,40,41,42	-	RING 2
Ø6	13,14,15,31,32,33	R	
Ø7			
Ø8			
Ø2P			
Ø4P			
Ø6P			
Ø8P			
OLA	16,17,18,34,35,36	R	
OLB			
OLC	22,23,24,40,41,42	R	
OLD			



DETECTOR LOGIC

DETECTOR NUMBER	AMPLIFIER CHANNEL	DETECTOR OPERATION			PHASE CALLED	PHASE EXTENDED	DETECTOR DISCONNECT PHASE	CALLING DELAY	EXTENSION STRETCH	SIZE	NUMBER OF TURNS
		CALLS AND EXTENDS	CALLS ONLY	EXTENDS ONLY							
11	1	X			1	1					
21	2	X			2	2					
31	3	X			3	3					
32	3	X			3	3					
41	4	X			4	4					
51	5	X			5	5					
61	6	X			6	6					

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1		6		X
2	X	6	MAX	X
3				X
4				X
5		2		X
6	X	2	MAX	X
7				
8				

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	X

TYPE OF COORDINATION	
NONE	X
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS-

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	
TOMAR	
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	
LIFT BRIDGE	
QUEUE DETECTION	

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE	2+5	6+1	4	3

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 3, CONTROLLER SHALL RETURN TO PHASE 3.
AFTER PREEMPTION SEQUENCE 4, CONTROLLER SHALL RETURN TO PHASE 4.

GENERAL NOTES:

1. OMIT PHASES 2 AND 5 AND PREEMPTION CHANNEL A FOR STAGE 2A.
2. OMIT PHASES 1 AND 6 AND PREEMPTION CHANNEL B FOR STAGE 3.

Addendum No. 01
ID 3760-00-70
Revised Sheet 182
January 4, 2019

CTH KR & CTH H
VILLAGE OF SOMERS/VILLAGE OF MOUNT PLEASANT
KENOSHA/RACINE COUNTY
SIGNAL NO: S51-1453 CABINET TYPE: TEMP
CONTROLLER TYPE: TEMP
DATE: 11/2018 PAGE NUMBER: 7 OF 8

PROJECT NO: 3760-00-70	HWY: CTH H	COUNTY: RACINE	TEMPORARY SEQUENCE OF OPERATIONS – STAGES 1, 2A, 3	SHEET NO: 182	E

FILE NAME: \\milw00\pmwork\JOBS\71190\0800 Traffic\0850 Traffic_Signals\37600070_CTH_South\01_CTH_KR\01_Stage_0-3\TS1.xlsx PLOT DATE: ########## PLOT NAME: TS1.xlsx PLOT BY: _____ PLOT SCALE: 1:1

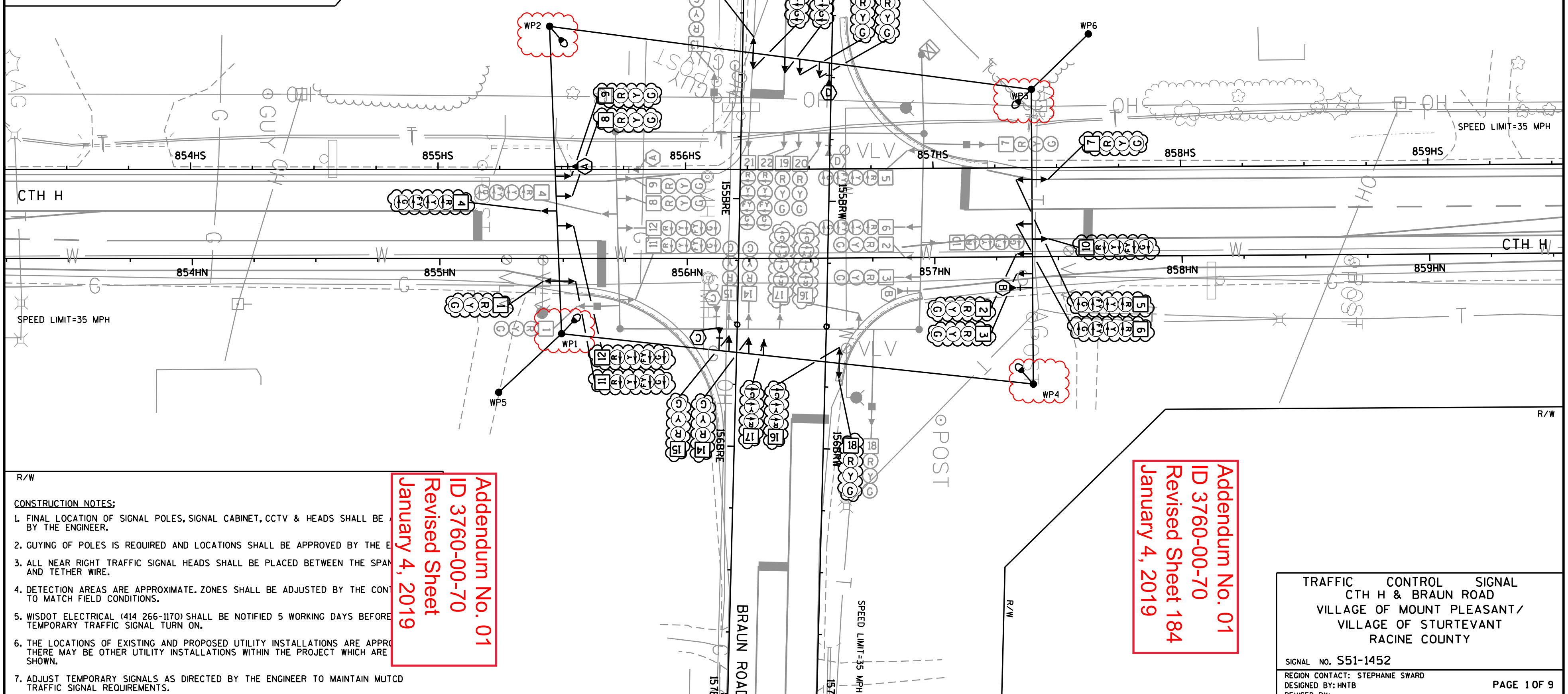
LEGEND

- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- WOOD POST
- CABLE - OVERHEAD
- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (Y) YELLOW ARROW
- (G) GREEN ARROW

LEGEND (CON'T)

- NON-INTRUSIVE DETECTION AREA
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- TEMPORARY LUMINAIRE LED CATEGORY C
- COVER AND DE-ENERGIZE TRAFFIC SIGNAL HEAD

NOTE: ALL LENSES ARE 12-INCH
GRAY SHADE REPRESENTS EXISTING



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7. ADJUST TEMPORARY SIGNALS AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD TRAFFIC SIGNAL REQUIREMENTS.

TRAFFIC CONTROL SIGNAL
CTH H & BRAUN ROAD
VILLAGE OF MOUNT PLEASANT/
VILLAGE OF STURTEVANT
RACINE COUNTY

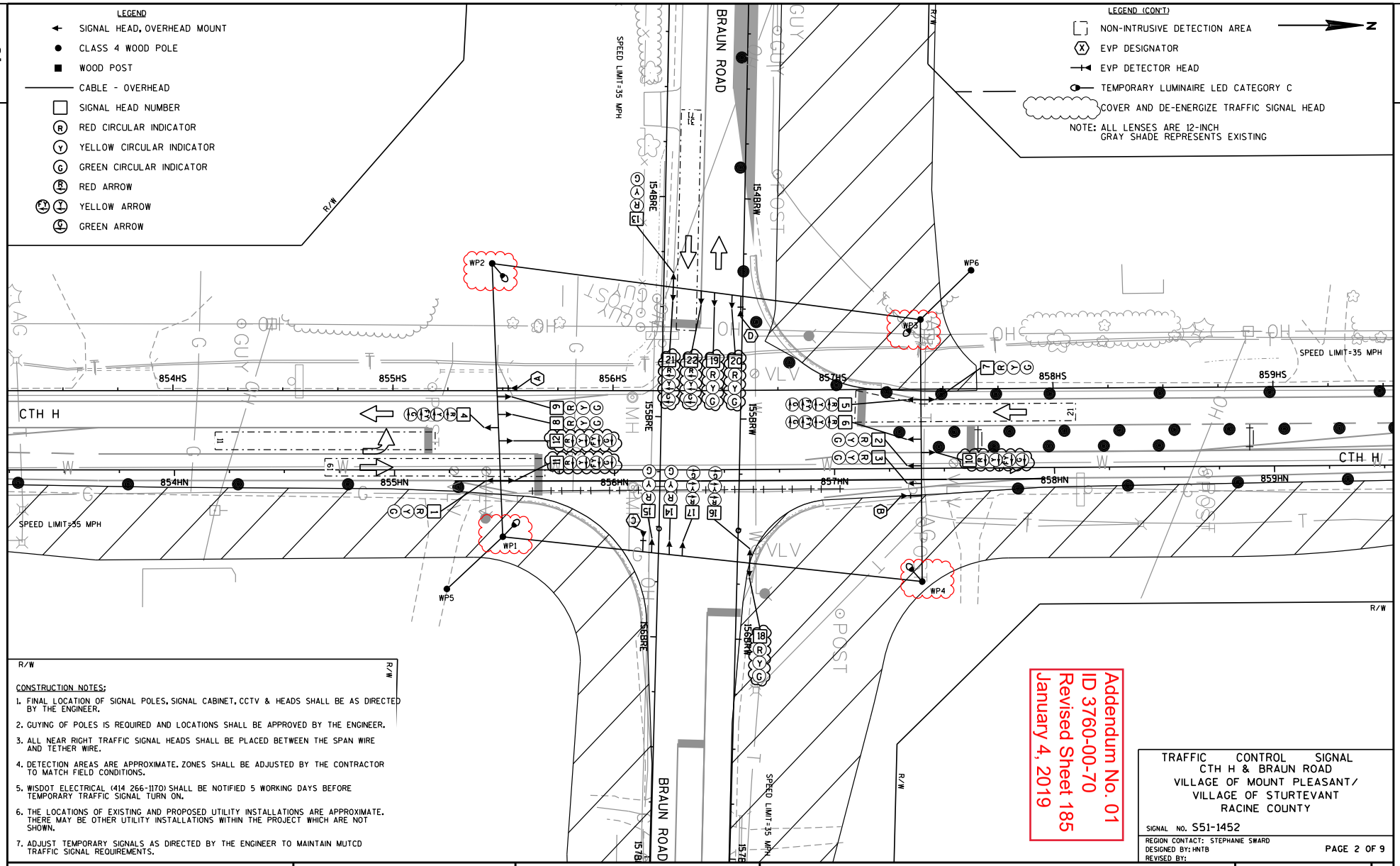
SIGNAL NO. S51-1452

REGION CONTACT: STEPHANIE SWARD
DESIGNED BY: HNTB
REVISED BY:

PAGE 1 OF 9

PROJECT NO: 3760-00-70	HWY: CTH H	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - PRE-STAGE 1	SHEET 184	E

2



2

2

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Addendum No. 01
ID 3760-00-70
Revised Sheet 185
January 4, 2019

TRAFFIC CONTROL SIGNAL
CTH H & BRAUN ROAD
VILLAGE OF MOUNT PLEASANT/
VILLAGE OF STURTEVANT
RACINE COUNTY

SIGNAL NO. S51-1452

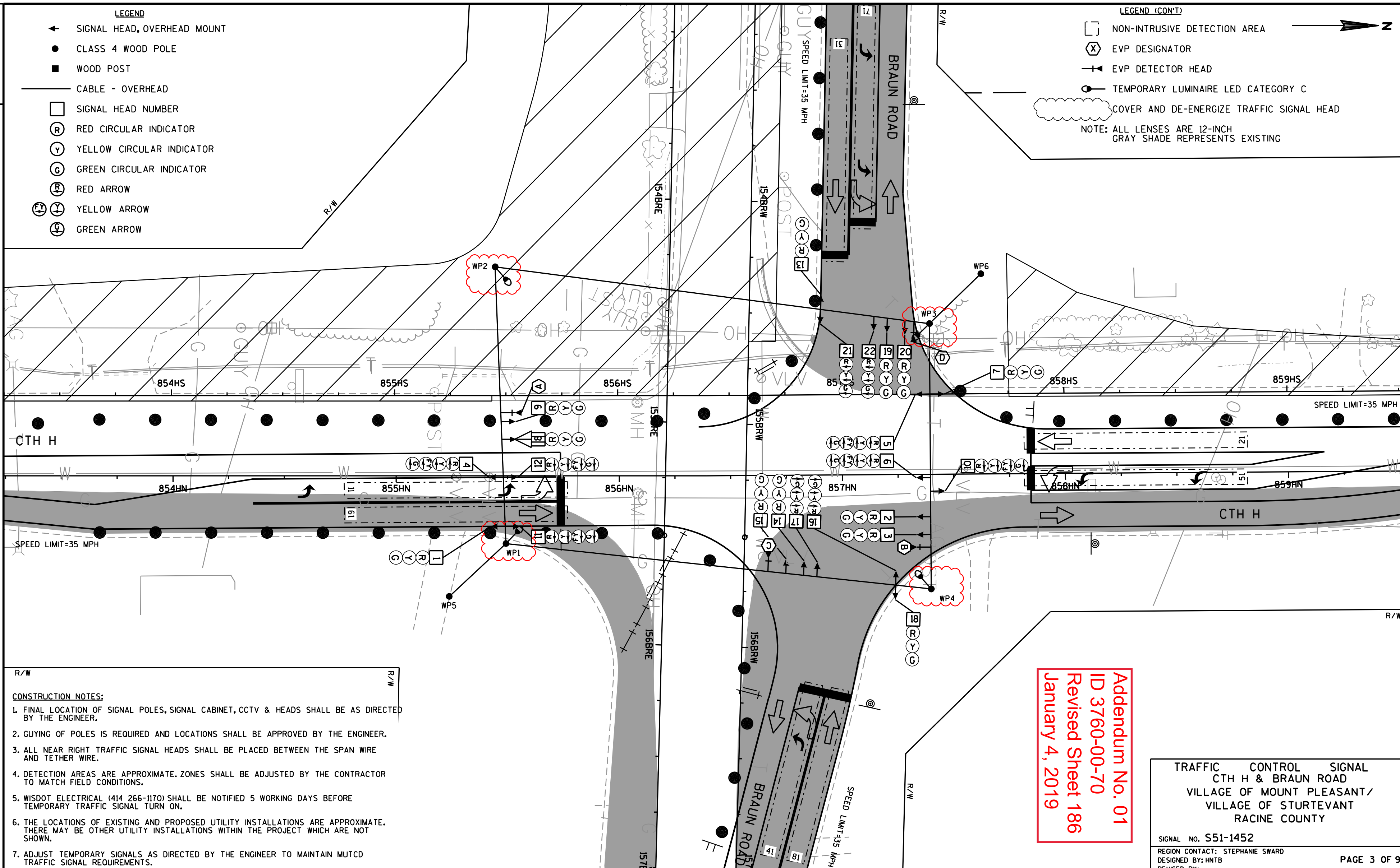
REGION CONTACT: STEPHANIE SWARD
DESIGNED BY: HNTB
REVISED BY:

PAGE 2 OF 9

PROJECT NO: 3760-00-70	HWY: CTH H	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1	SHEET 185	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.1_3760070TCDM-TE-Sht2.dgn PLOTTED BY : jmatson PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42



LEGEND

- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- WOOD POST
- CABLE - OVERHEAD
- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (FY) (Y) YELLOW ARROW
- (G) GREEN ARROW

LEGEND (CON'T)

- NON-INTRUSIVE DETECTION AREA
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- TEMPORARY LUMINAIRE LED CATEGORY C
- COVER AND DE-ENERGIZE TRAFFIC SIGNAL HEAD

NOTE: ALL LENSES ARE 12-INCH
GRAY SHADE REPRESENTS EXISTING

Addendum No. 01
ID 3760-00-70
Revised Sheet 186
January 4, 2019

CONSTRUCTION NOTES:

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TRAFFIC CONTROL SIGNAL
CTH H & BRAUN ROAD
VILLAGE OF MOUNT PLEASANT/
VILLAGE OF STURTEVANT
RACINE COUNTY

SIGNAL NO. S51-1452
REGION CONTACT: STEPHANIE SWARD
DESIGNED BY: HNTB
REVISED BY:

PAGE 3 OF 9

PROJECT NO: 3760-00-70	HWY: CTH H	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2A	SHEET 186	E

LEGEND

- ← SIGNAL HEAD, OVERHEAD MOUNT
- ● CLASS 4 WOOD POLE
- ■ WOOD POST
- — CABLE - OVERHEAD
- □ SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (Y) YELLOW ARROW
- (G) GREEN ARROW

LEGEND (CON'T)

- NON-INTRUSIVE DETECTION AREA
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- TEMPORARY LUMINAIRE LED CATEGORY C
- COVER AND DE-ENERGIZE TRAFFIC SIGNAL HEAD

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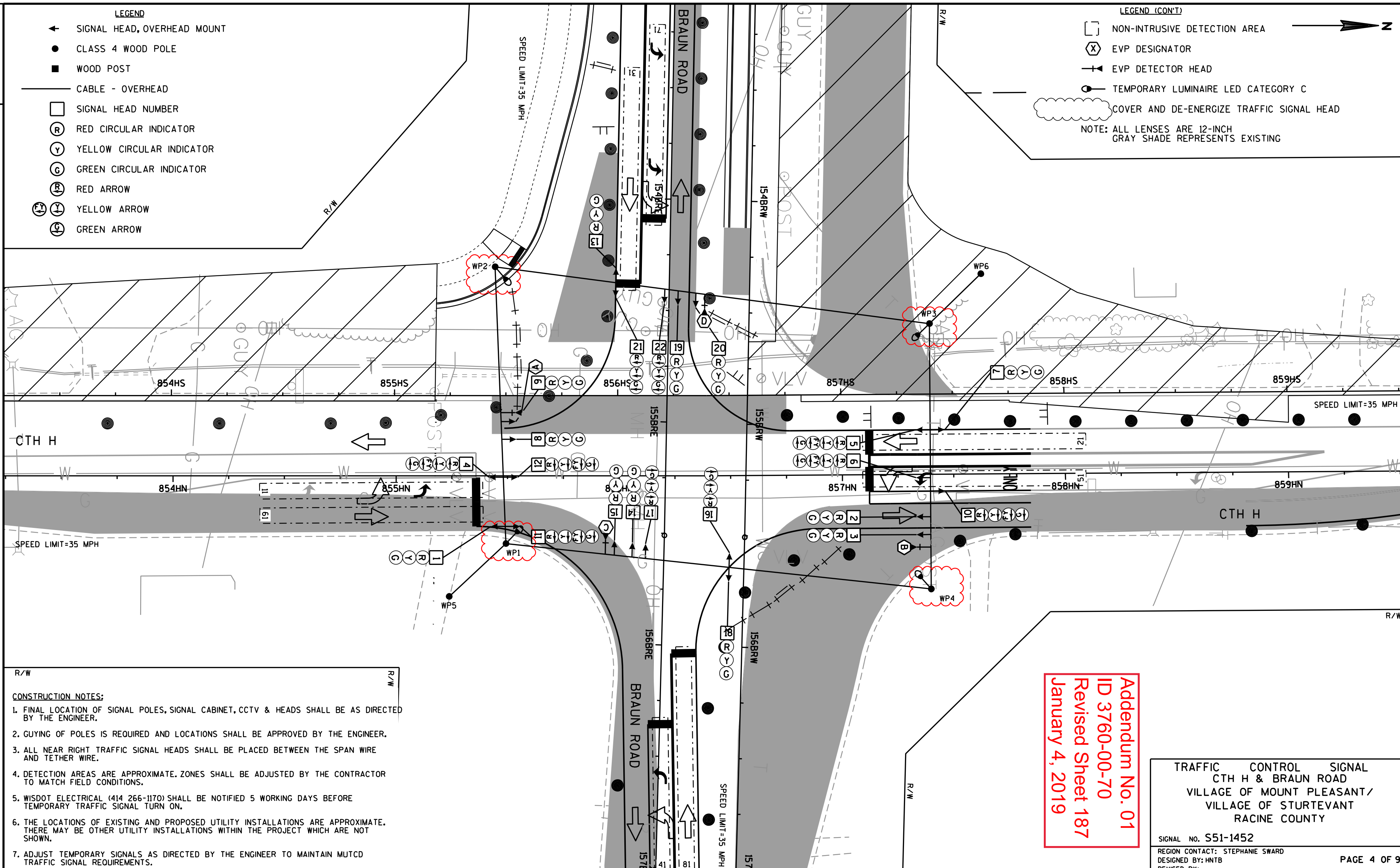

Addendum No. 01
ID 3760-00-70
Revised Sheet 187
January 4, 2019

CONSTRUCTION NOTES:

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CTH H & BRAUN ROAD
VILLAGE OF MOUNT PLEASANT/
VILLAGE OF STURTEVANT
RACINE COUNTY

SIGNAL NO. S51-1452

REGION CONTACT: STEPHANIE SWARD
DESIGNED BY: HNTB
REVISED BY:

PAGE 4 OF 9

PROJECT NO: 3760-00-70 | HWY: CTH H | COUNTY: RACINE | TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3 | SHEET 187 | E

LEGEND

- ← SIGNAL HEAD, OVERHEAD MOUNT
- ● CLASS 4 WOOD POLE
- ■ WOOD POST
- —— CABLE - OVERHEAD
- □ SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (R←) RED ARROW
- (FY←) (Y←) YELLOW ARROW
- (G←) GREEN ARROW

LEGEND (CON'T)

- [ ] NON-INTRUSIVE DETECTION AREA
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- TEMPORARY LUMINAIRE LED CATEGORY C
- COVER AND DE-ENERGIZE TRAFFIC SIGNAL HEAD

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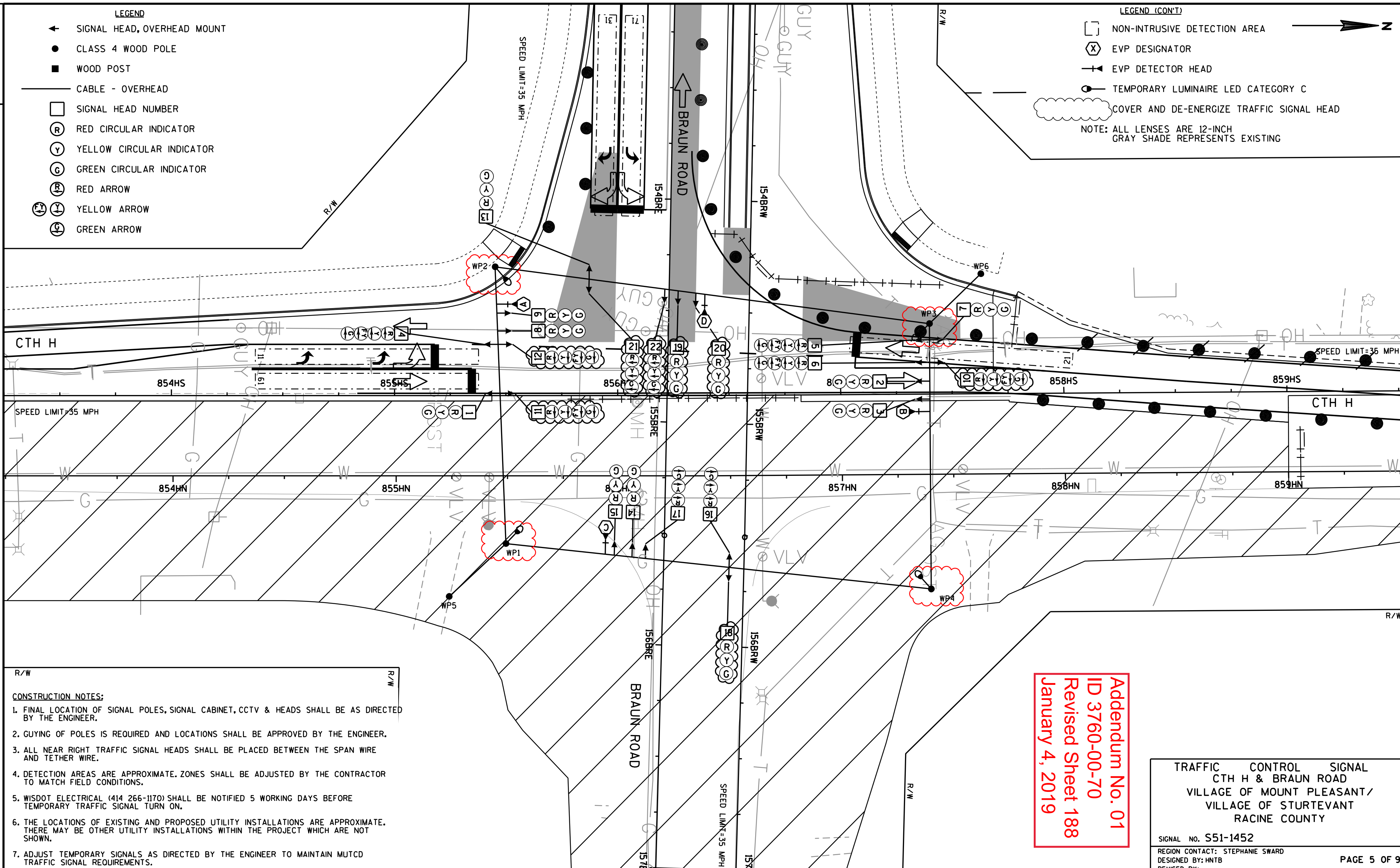

Addendum No. 01
ID 3760-00-70
Revised Sheet 188
January 4, 2019

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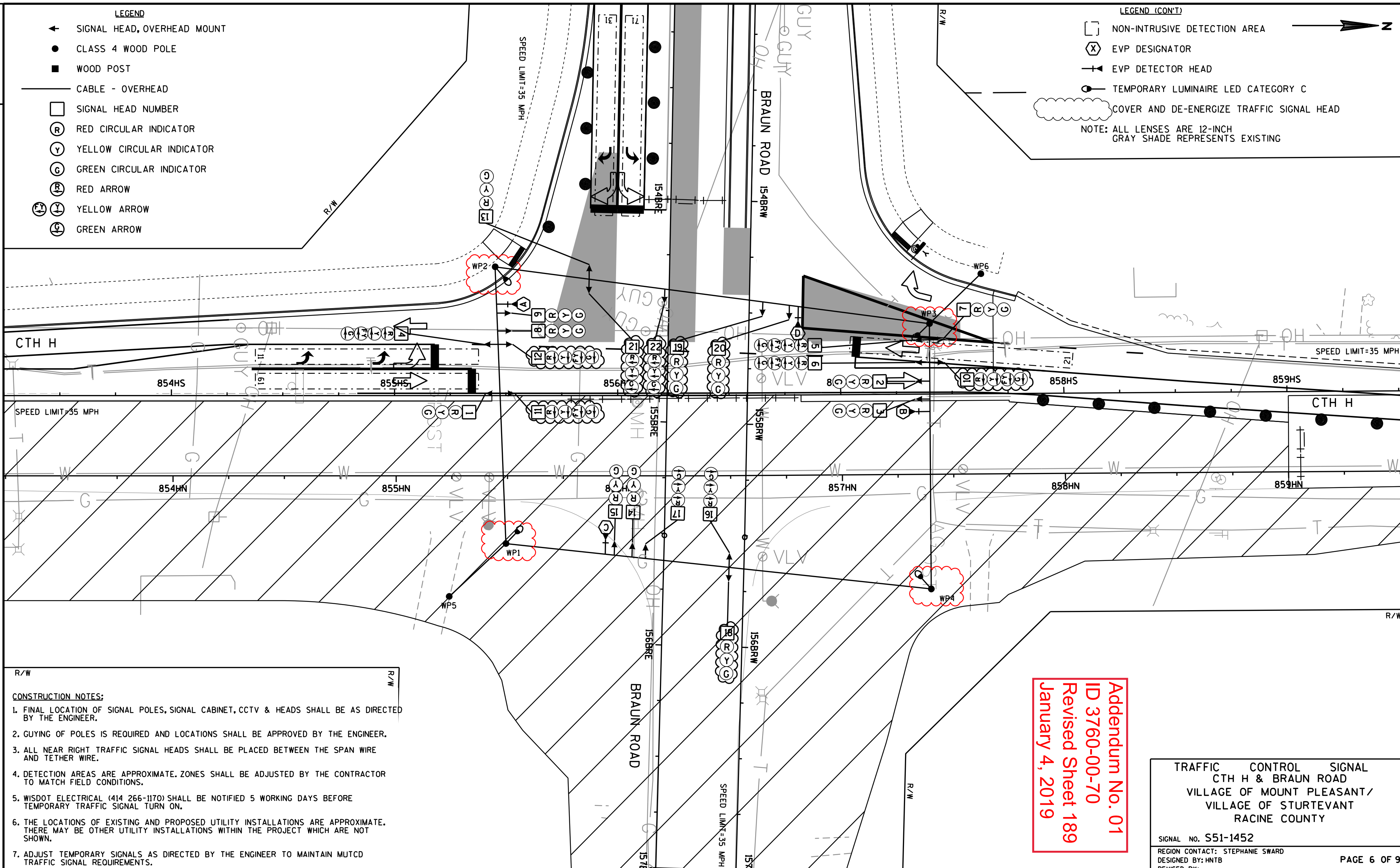
CTH H & BRAUN ROAD
VILLAGE OF MOUNT PLEASANT/
VILLAGE OF STURTEVANT
RACINE COUNTY

SIGNAL NO. S51-1452

REGION CONTACT: STEPHANIE SWARD
DESIGNED BY: HNTB
REVISED BY:

PAGE 5 OF 9

PROJECT NO: 3760-00-70	HWY: CTH H	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4A	SHEET 188	E



LEGEND
- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- WOOD POST
- CABLE - OVERHEAD
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

LEGEND (CON'T)
- NON-INTRUSIVE DETECTION AREA
- EVP DESIGNATOR
- EVP DETECTOR HEAD
- TEMPORARY LUMINAIRE LED CATEGORY C
- COVER AND DE-ENERGIZE TRAFFIC SIGNAL HEAD

NOTE: ALL LENSES ARE 12-INCH
GRAY SHADE REPRESENTS EXISTING

N

Addendum No. 01
ID 3760-00-70
Revised Sheet 189
January 4, 2019

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CTH H & BRAUN ROAD
VILLAGE OF MOUNT PLEASANT/
VILLAGE OF STURTEVANT
RACINE COUNTY

SIGNAL NO. S51-1452

REGION CONTACT: STEPHANIE SWARD
DESIGNED BY: HNTB
REVISED BY:

PAGE 6 OF 9

PROJECT NO: 3760-00-70	HWY: CTH H	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4B	SHEET 189	E

2

LEGEND

- ← SIGNAL HEAD, OVERHEAD MOUNT
- ● CLASS 4 WOOD POLE
- ■ WOOD POST
- —— CABLE - OVERHEAD
- □ SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
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- (FY) (Y) YELLOW ARROW
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LEGEND (CON'T)

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- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
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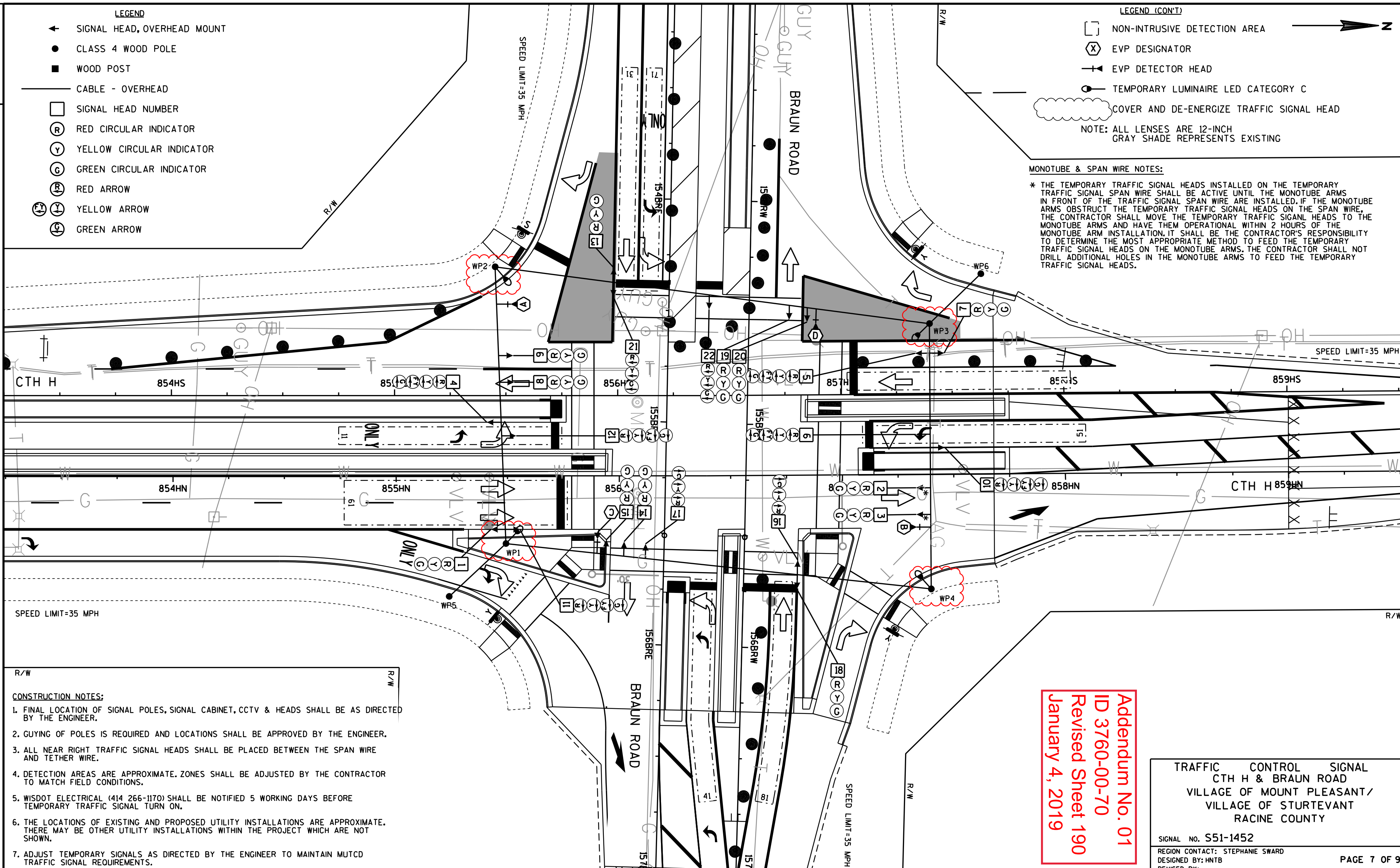
N

MONOTUBE & SPAN WIRE NOTES:

* THE TEMPORARY TRAFFIC SIGNAL HEADS INSTALLED ON THE TEMPORARY TRAFFIC SIGNAL SPAN WIRE SHALL BE ACTIVE UNTIL THE MONOTUBE ARMS IN FRONT OF THE TRAFFIC SIGNAL SPAN WIRE ARE INSTALLED. IF THE MONOTUBE ARMS OBSTRUCT THE TEMPORARY TRAFFIC SIGNAL HEADS ON THE SPAN WIRE, THE CONTRACTOR SHALL MOVE THE TEMPORARY TRAFFIC SIGANL HEADS TO THE MONOTUBE ARMS AND HAVE THEM OPERATIONAL WITHIN 2 HOURS OF THE MONOTUBE ARM INSTALLATION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE MOST APPROPRIATE METHOD TO FEED THE TEMPORARY TRAFFIC SIGNAL HEADS ON THE MONOTUBE ARMS. THE CONTRACTOR SHALL NOT DRILL ADDITIONAL HOLES IN THE MONOTUBE ARMS TO FEED THE TEMPORARY TRAFFIC SIGNAL HEADS.



Addendum No. 01
ID 3760-00-70
Revised Sheet 190
January 4, 2019

CONSTRUCTION NOTES:

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TRAFFIC CONTROL SIGNAL
CTH H & BRAUN ROAD
VILLAGE OF MOUNT PLEASANT/
VILLAGE OF STURTEVANT
RACINE COUNTY

SIGNAL NO. S51-1452
REGION CONTACT: STEPHANIE SWARD
DESIGNED BY: HNTB
REVISED BY:

PAGE 7 OF 9

PROJECT NO: 3760-00-70	HWY: CTH H	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 5A	SHEET 190	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.1_3760070 ... PLOT DATE : 12/14/2018 ... jmatson PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

2

LEGEND

- ← SIGNAL HEAD, OVERHEAD MOUNT
- ● CLASS 4 WOOD POLE
- ■ WOOD POST
- ——— CABLE - OVERHEAD
- □ SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
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- EVP DETECTOR HEAD
- TEMPORARY LUMINAIRE LED CATEGORY C
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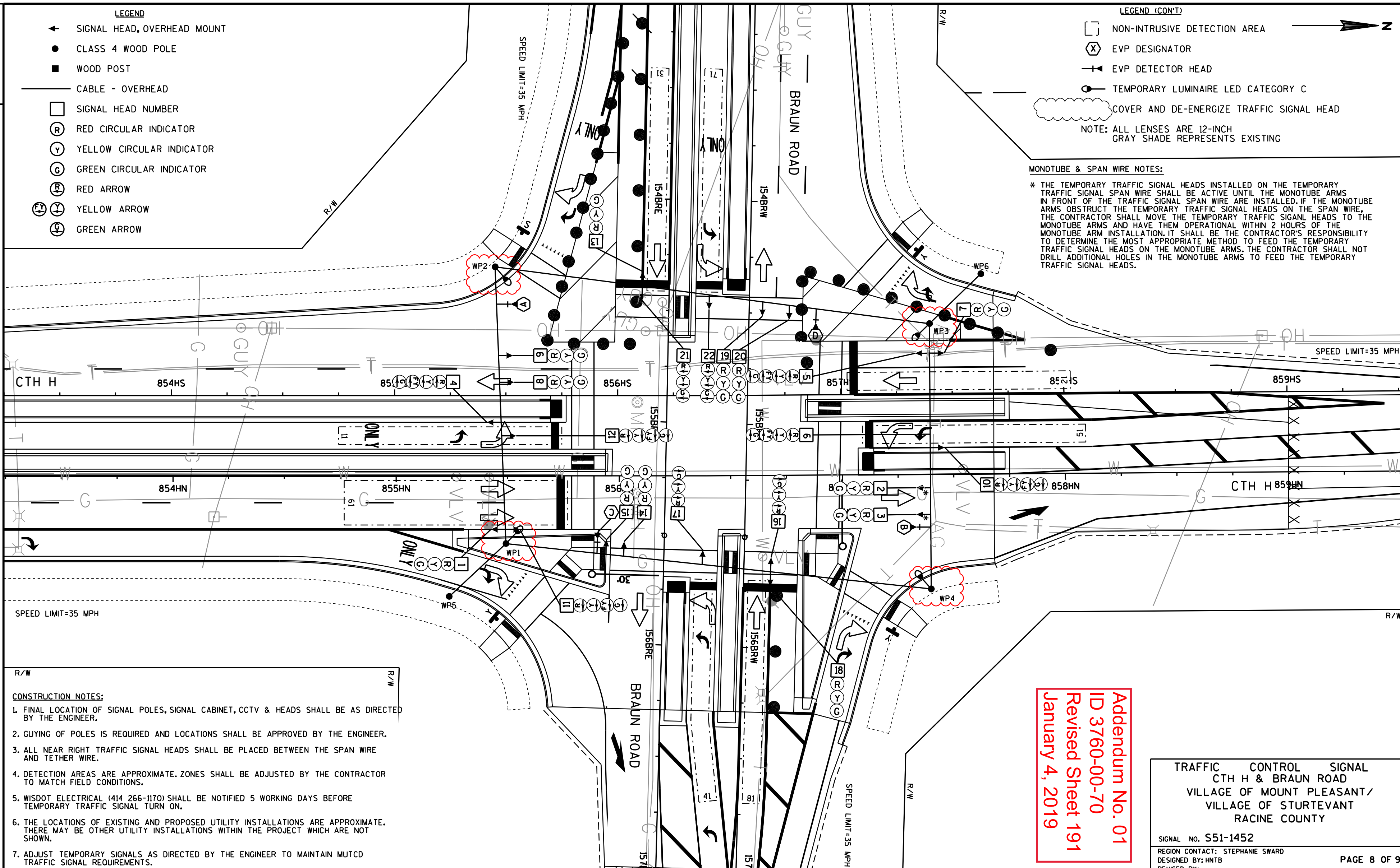

Addendum No. 01
ID 3760-00-70
Revised Sheet 191
January 4, 2019

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TRAFFIC CONTROL SIGNAL
CTH H & BRAUN ROAD
VILLAGE OF MOUNT PLEASANT/
VILLAGE OF STURTEVANT
RACINE COUNTY

SIGNAL NO. S51-1452

REGION CONTACT: STEPHANIE SWARD
DESIGNED BY: HNTB
REVISED BY:

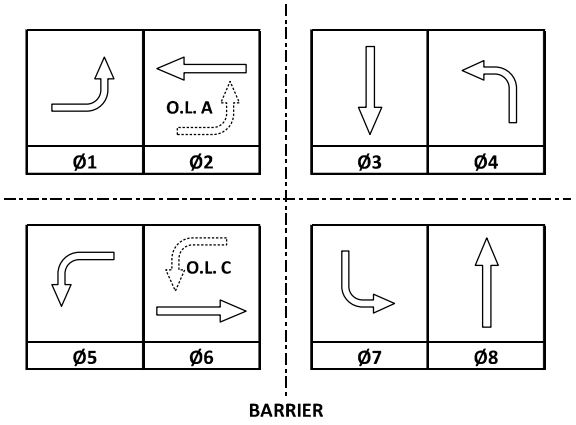
PAGE 8 OF 9

PROJECT NO: 3760-00-70	HWY: CTH H	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 5B	SHEET 191	E

	HEAD NUMBERS	FLASH
Ø1	4,5,6	-
Ø2	7,8,9	R
Ø3	13,14,15	R
Ø4	21,22	R
Ø5	10,11,12	-
Ø6	1,2,3	R
Ø7	16,17	R
Ø8	18,19,20	R
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLA	4,5,6	R
OLB		
OLC	10,11,12	R
OLD		

RING 1

RING 2



DETECTOR LOGIC

DETECTOR NUMBER	AMPLIFIER CHANNEL	DETECTOR OPERATION			PHASE CALLED	PHASE EXTENDED	DETECTOR DISCONNECT PHASE	CALLING DELAY	EXTENSION STRETCH	SIZE	NUMBER OF TURNS
		CALLS AND EXTENDS	CALLS ONLY	EXTENDS ONLY							
11		X			1	1					
21		X			2	2					
31		X			3	3					
41		X			4	4					
51		X			5	5					
61		X			6	6					
71		X			7	7					
81		X			8	8					

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1		6		X
2	X	6	MAX	X
3		8		X
4		8		X
5		2		X
6	X	2	MAX	X
7		3		X
8		3		X

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	X

TYPE OF COORDINATION	
NONE	X
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS-

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	
TOMAR	
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	
LIFT BRIDGE	
QUEUE DETECTION	

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE	2+5	6+1	3+7	8+4

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 3+7 OR 8+4, CONTROLLER SHALL RETURN TO PHASES 3+8.

GENERAL NOTES:

1. PHASES 4 AND 7 ARE IN CONFLICT AND NOT ALLOWED TO TIME CONCURRENTLY.
2. OMIT PHASES 4, 5 AND 8 DURING STAGE 1, 4A AND 4B.

Addendum No. 01
ID 3760-00-70
Revised Sheet 192
January 4, 2019

CTH H & BRAUN ROAD
VILLAGE OF MOUNT PLEASANT/VILLAGE OF STURTEVANT
RACINE COUNTY
SIGNAL NO: S51-1452 CABINET TYPE: TEMP
CONTROLLER TYPE: TEMP
DATE: 11/2018 PAGE NUMBER: 9 OF 9

PROJECT NO: 3760-00-70	HWY: CTH H	COUNTY: RACINE	TEMPORARY SEQUENCE OF OPERATIONS – ALL STAGES	SHEET NO: 192	E

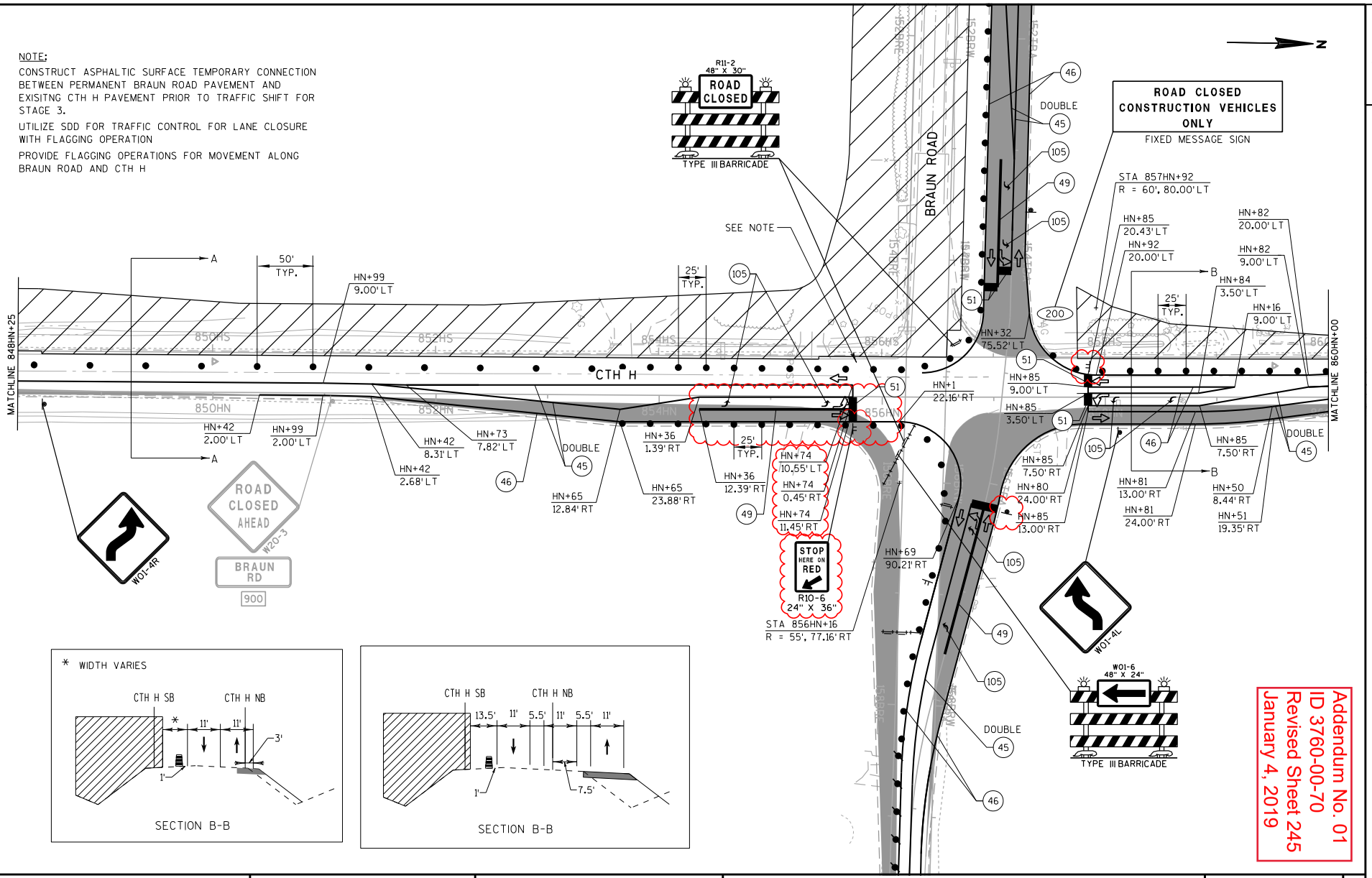
FILE NAME: \\milw00\pmwork\JOBS\71190\0800 Traffic\0850 Traffic_Signals\37600070_CTH_South\03_Braun\TS1.xlsx PLOT DATE: ######### PLOT NAME: TS1.xlsx PLOT BY: _____ PLOT SCALE: 1:1

NOTE:

CONSTRUCT ASPHALTIC SURFACE TEMPORARY CONNECTION BETWEEN PERMANENT BRAUN ROAD PAVEMENT AND EXISITNG CTH H PAVEMENT PRIOR TO TRAFFIC SHIFT FOR STAGE 3.

UTILIZE SDD FOR TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

PROVIDE FLAGGING OPERATIONS FOR MOVEMENT ALONG BRAUN ROAD AND CTH H

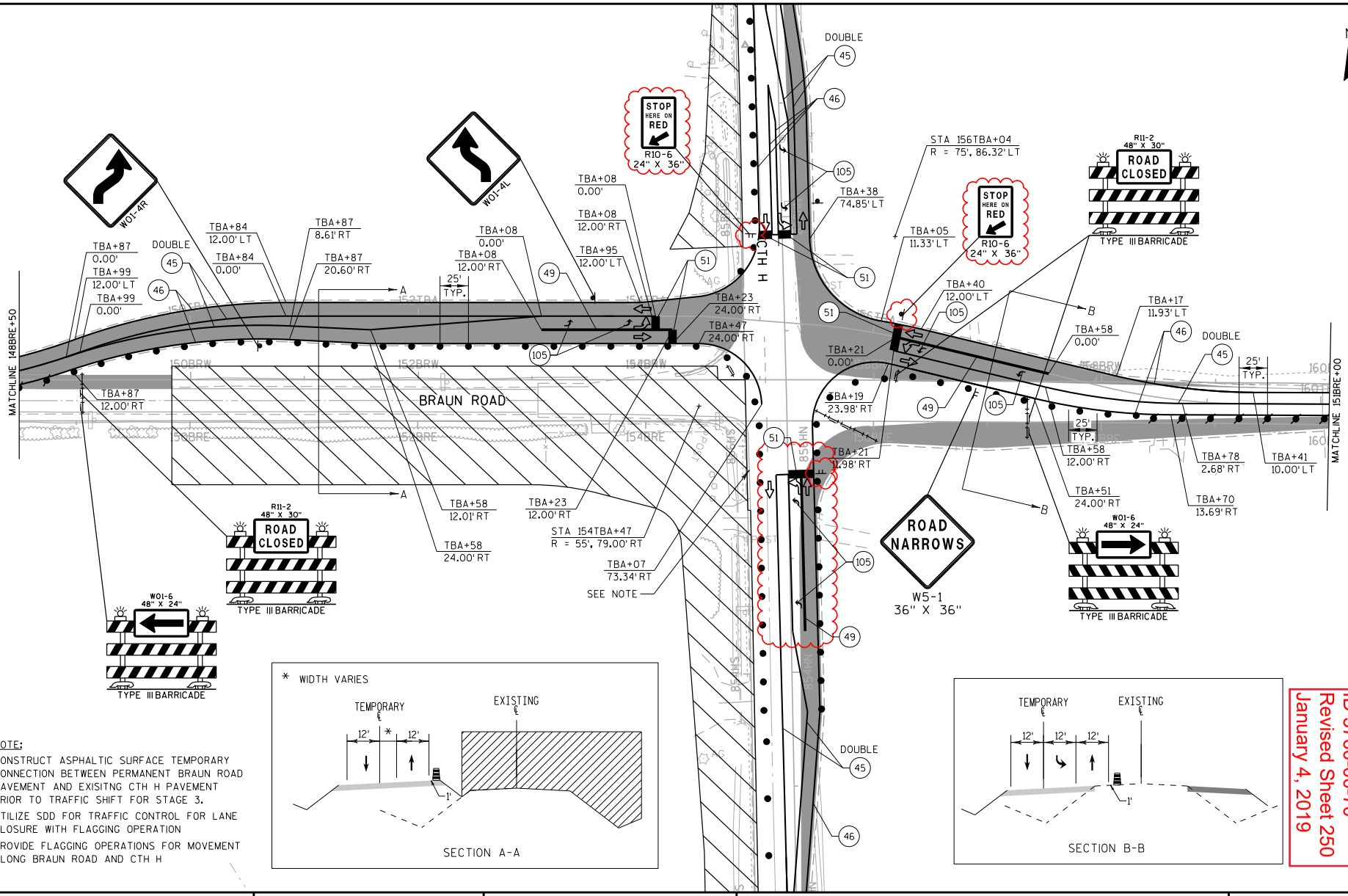


Addendum No. 01
ID 3760-00-70
Revised Sheet 245
January 4, 2019

PROJECT NO: 3760-00-70	HWY: CTH H	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 2A	SHEET 245	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.1_3760007[illegible]\cds\026106_s2of3.dgn PLOT BY : hwilhelm PLOT NAME : PLOT SCALE : 80:1

WISDOT/CADDS SHEET 42



NOTE:

CONSTRUCT ASPHALTIC SURFACE TEMPORARY CONNECTION BETWEEN PERMANENT BRAUN ROAD PAVEMENT AND EXISITNG CTH H PAVEMENT PRIOR TO TRAFFIC SHIFT FOR STAGE 3.

UTILIZE SDD FOR TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

PROVIDE FLAGGING OPERATIONS FOR MOVEMENT ALONG BRAUN ROAD AND CTH H

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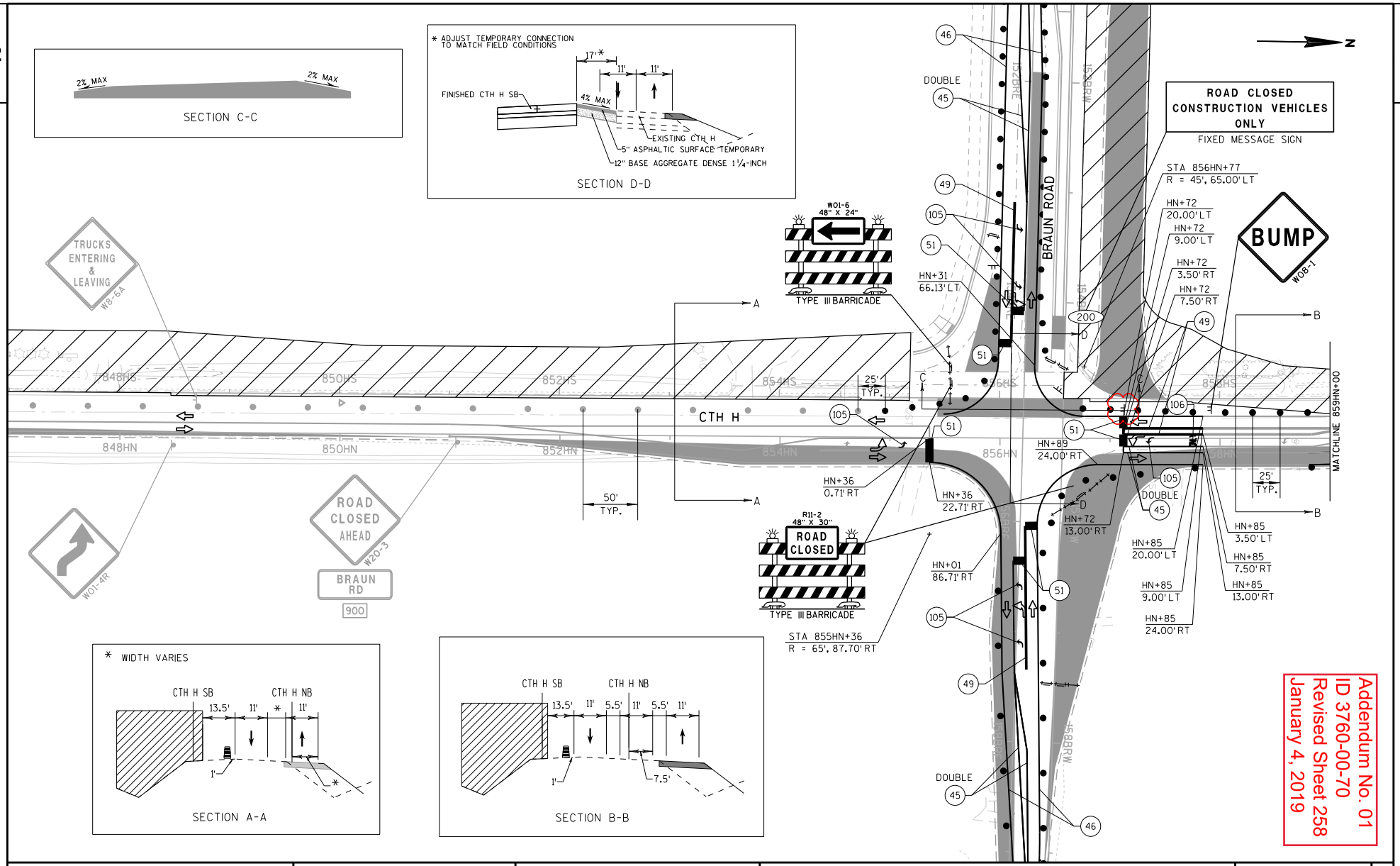
ID 3760-00-70
Revised Sheet 250
January 4, 2019

PROJECT NO: 3760-00-70	HWY: CTH H	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 2A	SHEET 250	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.1_3760070TCDMTE-Sht2ph1e2018\cds\026112_s2d.dgn PLOT BY : hwilhelm PLOT NAME : PLOT SCALE : 80:1

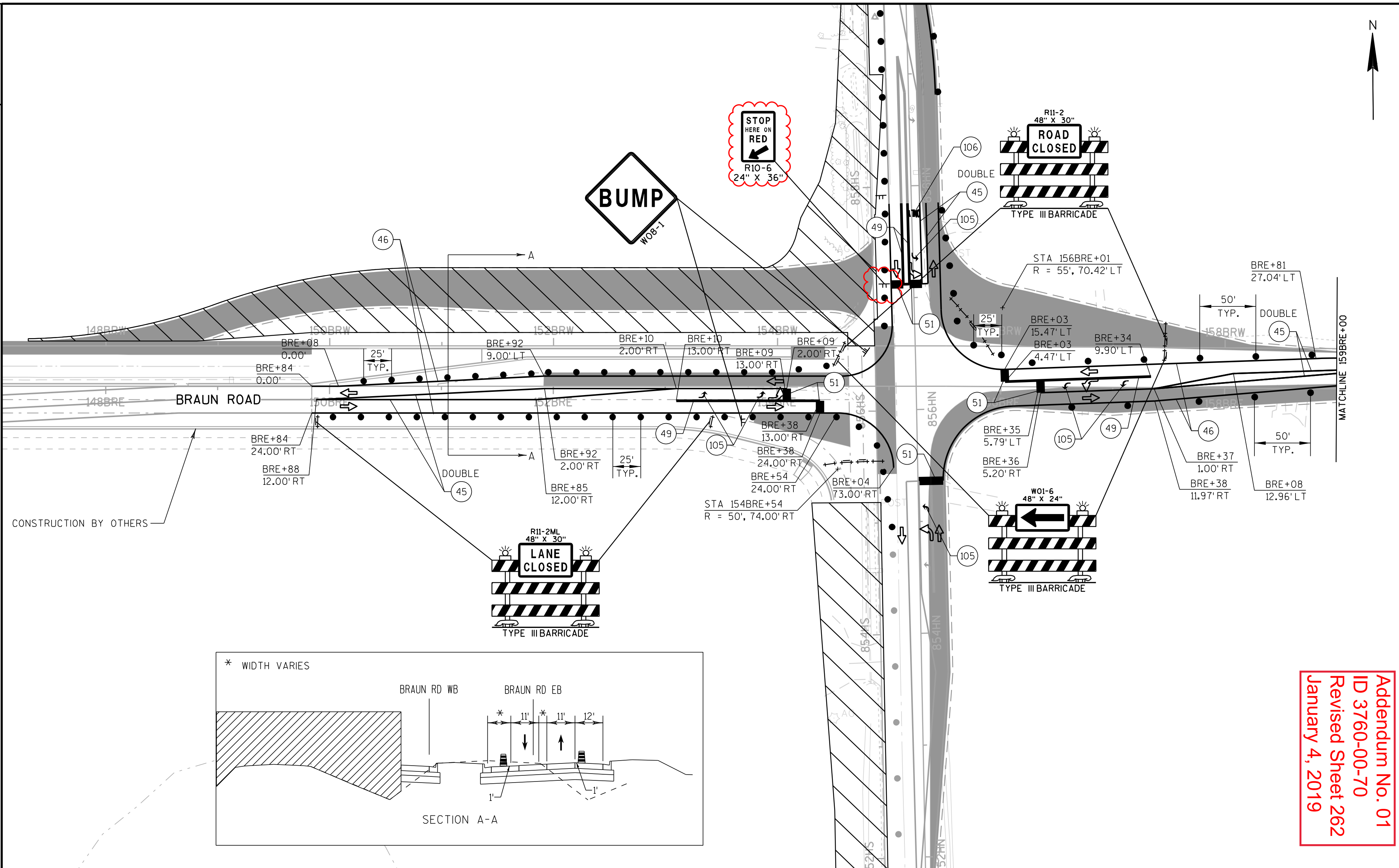
WISDOT/CADDS SHEET 42



PROJECT NO: 3760-00-70	HWY: CTH H	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 3	SHEET 258	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.1_3760070TCDMTE-Sol2nTe2018\cds\026203_s3.dgn PLOT BY : hwilhelm PLOT NAME : PLOT SCALE : 80:1

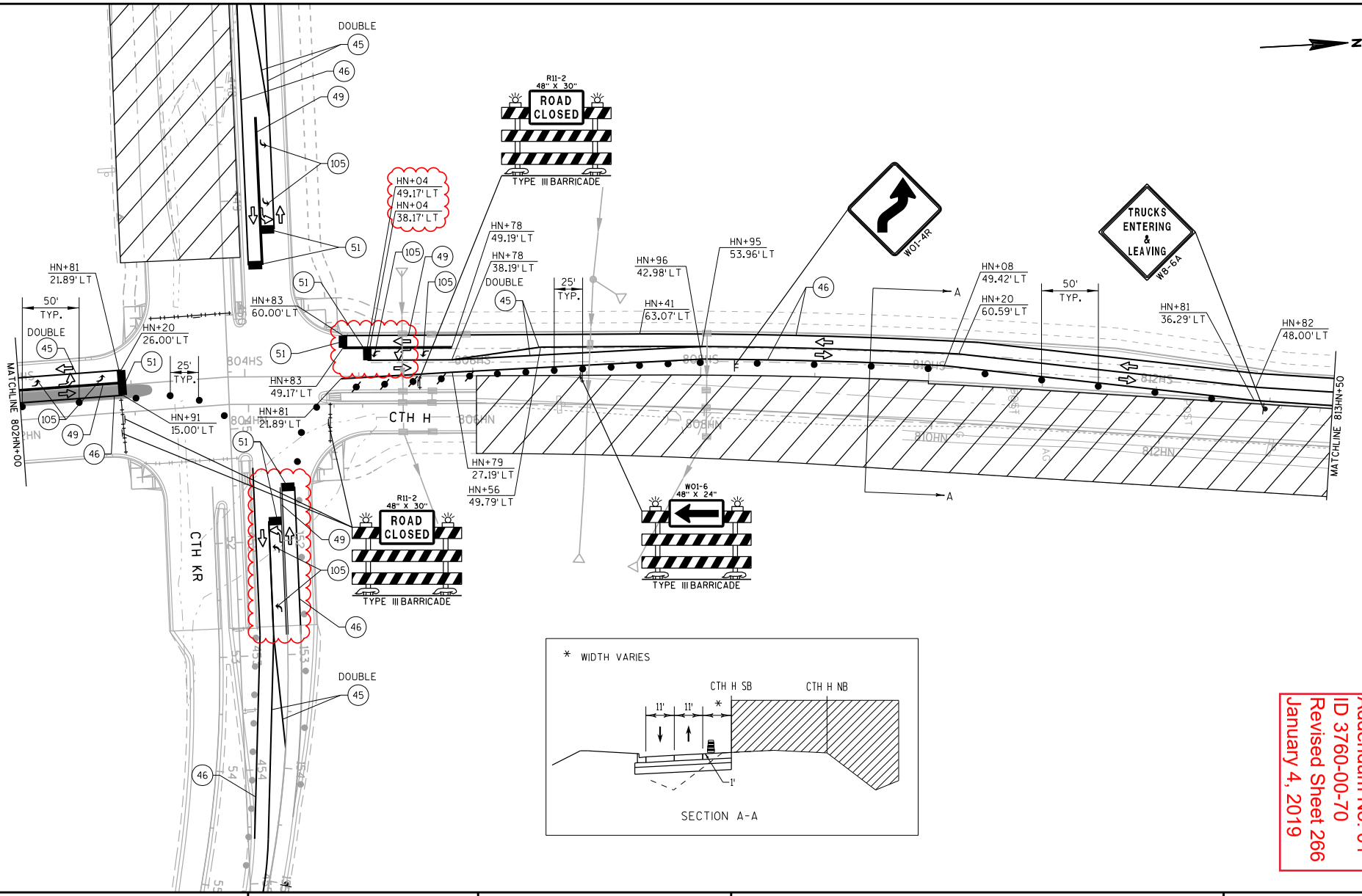
WISDOT/CADDS SHEET 42



Addendum No. 01
ID 3760-00-70
Revised Sheet 262
January 4, 2019

PROJECT NO: 3760-00-70	HWY: CTH H	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 3	SHEET 262	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.1_3760-00-70\CADDS\cds\026207_s3.dgn PLOT BY : hwilhelm PLOT NAME : PLOT SCALE : 80:1 WISDOT/CADDS SHEET 42

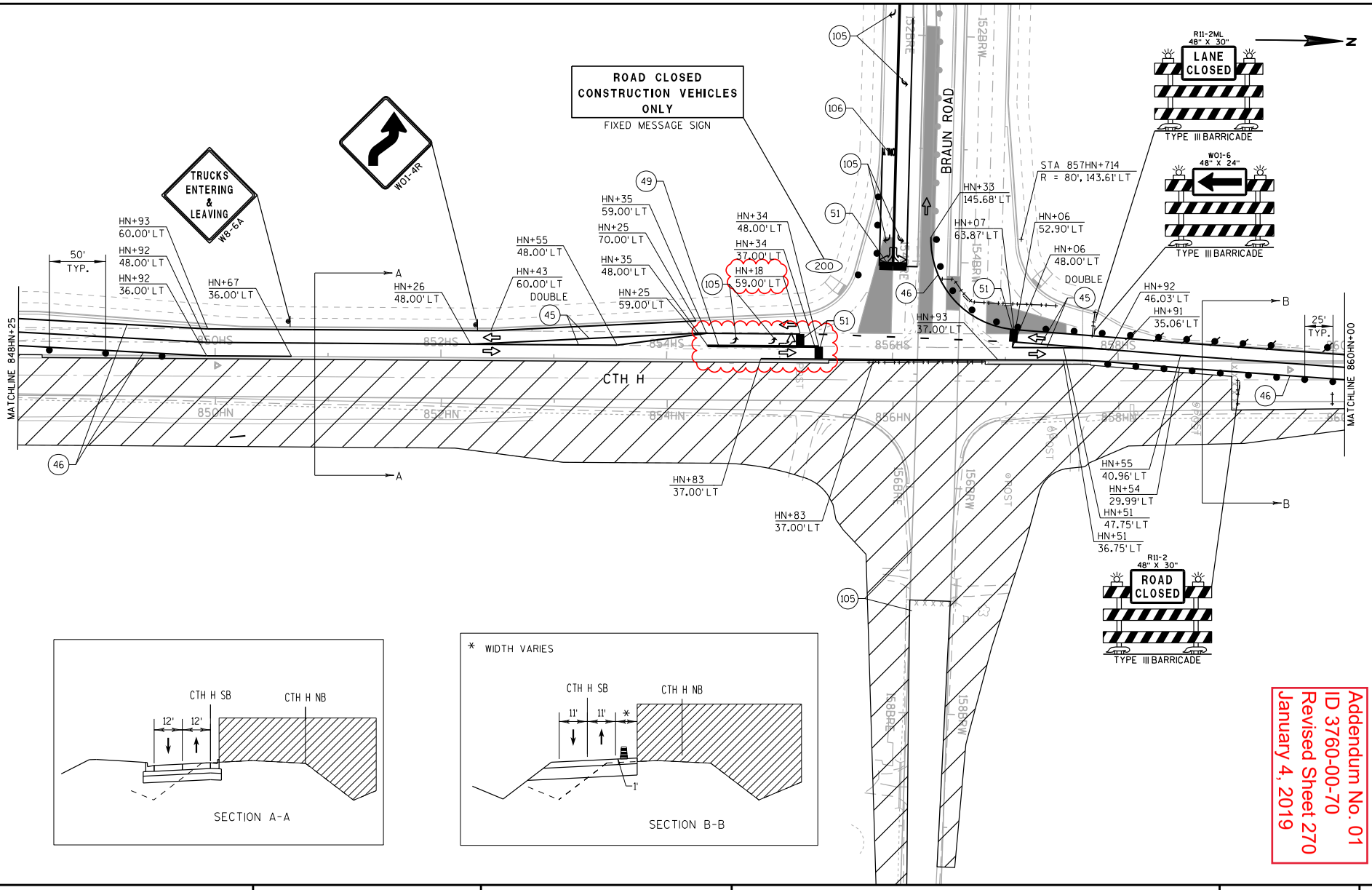


Addendum No. 01
ID 3760-00-70
Revised Sheet 266
January 4, 2019

PROJECT NO: 3760-00-70	HWY: CTH H	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 4A	SHEET 266	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.1_3760070TCDM4E-Sht2nd1e2018\cds\026502_s4.dgn PLOT BY : hwilhelm PLOT NAME : PLOT SCALE : 80:1

WISDOT/CADDS SHEET 42

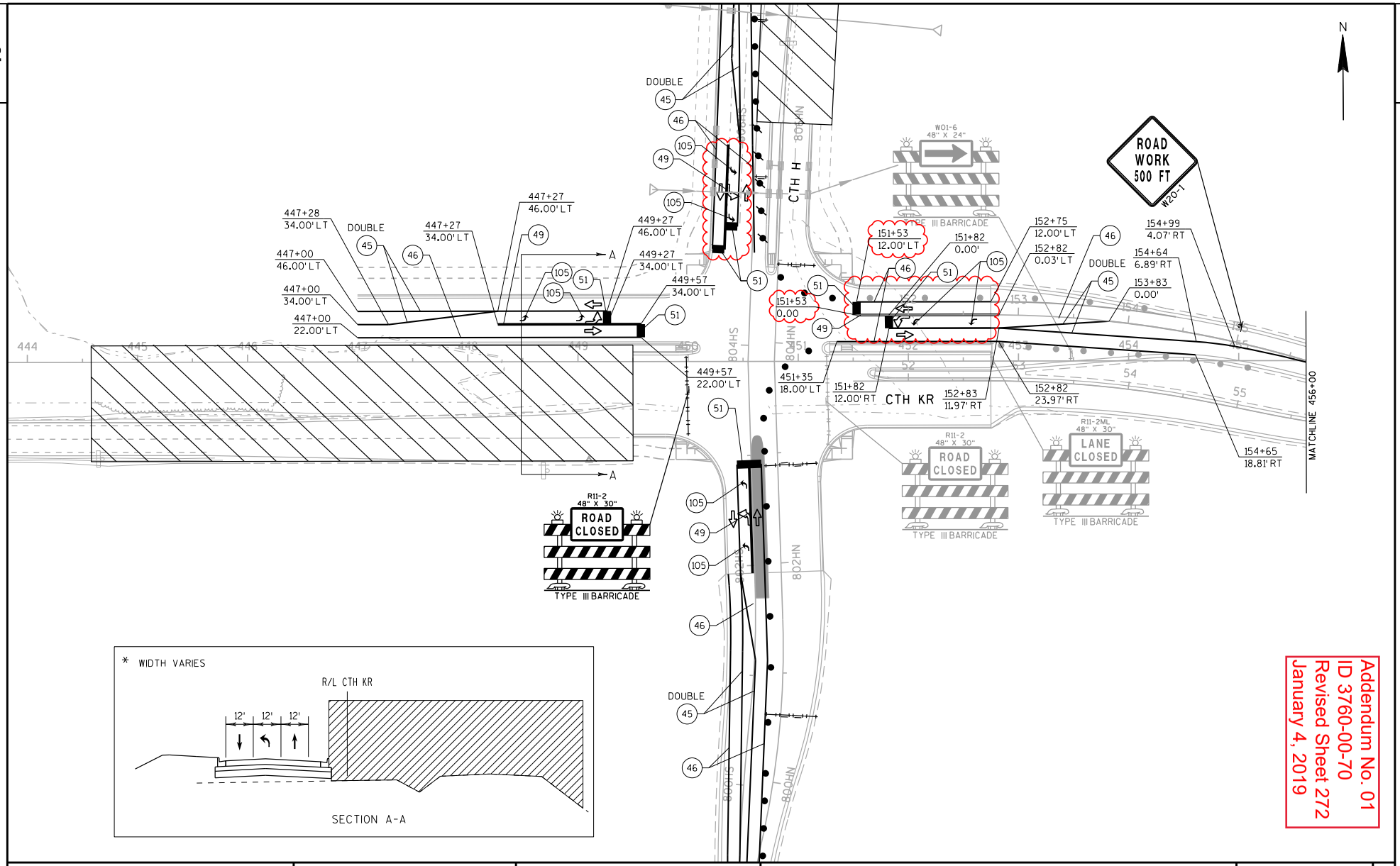


Addendum No. 01
ID 3760-00-70
Revised Sheet 270
January 4, 2019

PROJECT NO: 3760-00-70	HWY: CTH H	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 4A	SHEET 270	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.1_376000[illegible]\cds\026506_s4.dgn PLOT BY : hwilhelm PLOT NAME : PLOT SCALE : 80:1

WISDOT/CADDS SHEET 42

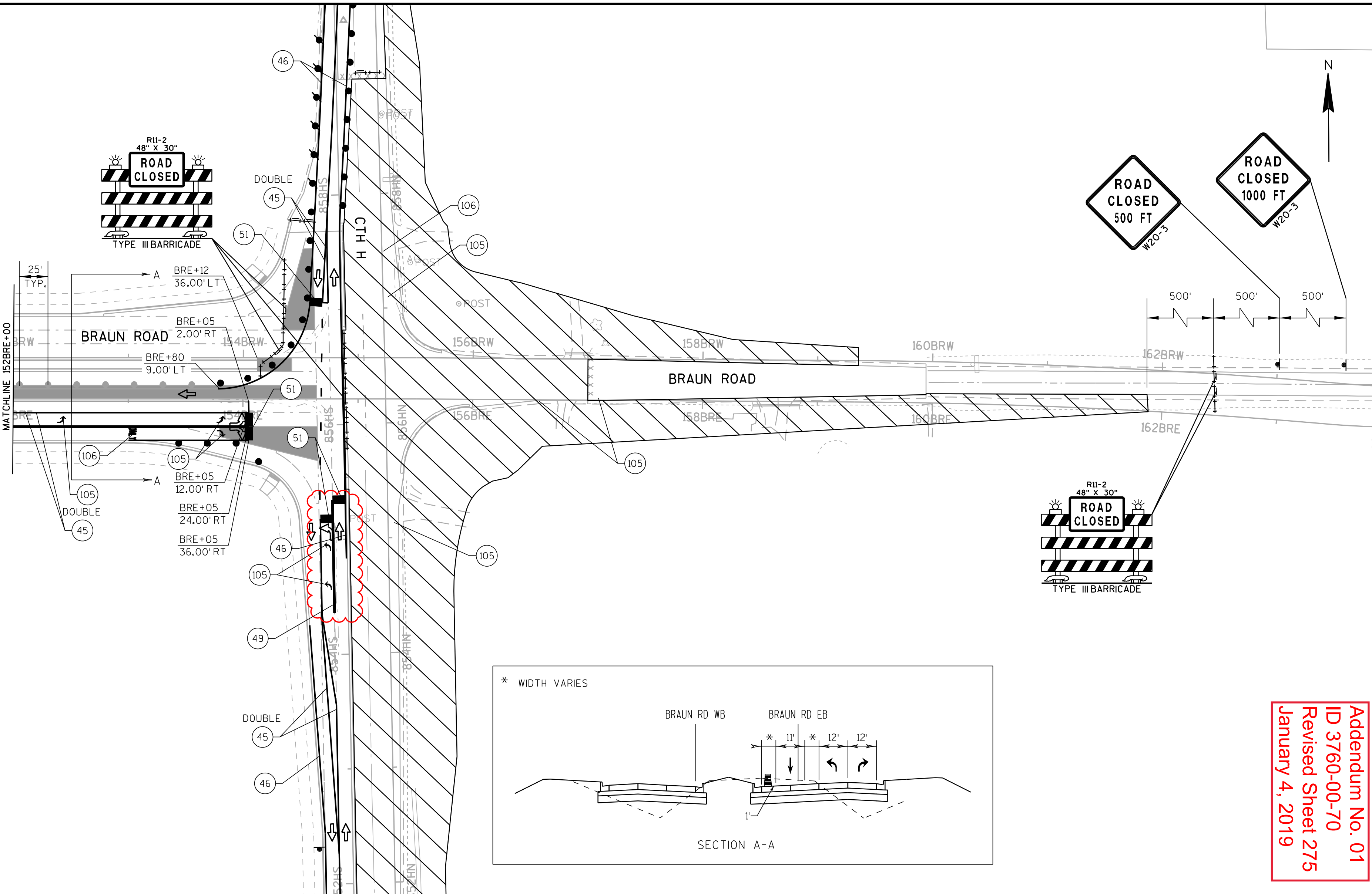


Addendum No. 01
ID 3760-00-70
Revised Sheet 272
January 4, 2019

PROJECT NO: 3760-00-70	HWY: CTH H	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 4A	SHEET 272	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.1_3760070TCDM4E-Sol2nLe2018\cds\026508_s4.dgn PLOT BY : hwilhelm PLOT NAME : PLOT SCALE : 80:1

WISDOT/CADDS SHEET 42



Addendum No. 01
ID 3760-00-70
Revised Sheet 275
January 4, 2019

PROJECT NO: 3760-00-70	HWY: CTH H	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 4A	SHEET 275	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.1_3760-00-70\CADDS\cds\026511_s4.dgn PLOT BY : hwilhelm PLOT NAME : PLOT SCALE : 80:1

WISDOT/CADDS SHEET 42

Category	Division	From/To Station	Location	Excavation Common (CY) (1) 205.0100		Fill (CY) (6)	Roadway Embankment (CY) (3) SPV.0035.001	Mass Ordinate +/- (4) (7)	Comment:
				Cut (CY) (2)	Topsoil Removal (CY) (5)				
1000	1	104+50 - 116+50	TEMP. CTH H	1,810	0	399	399	1,411	
1000	1	808HN+27 - 860HN+72	EXIST. CTH H TEMP. WIDENING	2,574	0	2,024	2,024	550	
1000	1	A 147BRE+00 - A 154BRE+85	TEMP. BRAUN RD. (WEST)	498	0	1,363	1,363	-864	
1000	1	A 156BRE+00 - A 162BRE+00	TEMP. BRAUN RD. (EAST)	1,147	0	45	45	1,102	
	Project 3760-00-70 - Division 1 Subtotal			6,029	0		3,831	2,198	
	Project 3760-00-70 - Division 1 Total			6,029			3,831	2,198	
1000	2	447+00 - 449+50, LT.	CTH KR	11,208	0	5,128	5,128	6,080	
1000	2	POND G	CTH H / CTH KR	14,834	0	0	0	14,834	
1000	2	797HN+40 - 803HN+00	CTH H (NB)	391	0	4,651	4,651	-4,260	
1000	2	804HN+75 - 806HN+00	CTH H (NB & SB)	111	0	303	303	-191	
1000	2	810HN+00 - 856HN+50	CTH H (SB)	4,784	0	24,625	24,625	-19,841	
1000	2	A 149BRE+84 - A 154BRE+63	BRAUN RD. (EB)	5,822	0	318	318	5,504	
1000	2	806HN+00 - 808HN+27	TEMP. CTH H	401	0	127	127	274	
	Project 3760-00-70 - Division 2 Subtotal			37,551	0		35,152	2,400	
	Project 3760-00-70 - Division 2 Total			37,551			35,152	2,400	
1000	3	449+50 - 450+50	CTH KR	0	0	962	962	-962	
1000	3	797HN+40 - 803HN+00	CTH H (NB)	1,204	0	414	414	790	
1000	3	806HN+00 + 810HN+00	CTH H (SB)	334	0	1,130	1,130	-796	
1000	3	856HN+50 - 861HN+00	CTH H (SB) CONT.	1,350	0	27	27	1,323	
1000	3	A 149BRE+84 - A 154BRE+63	BRAUN RD. (WB)	956	0	928	928	28	
	Project 3760-00-70 - Division 3 Subtotal			3,844	0		3,461	383	
	Project 3760-00-70 - Division 3 Total			3,844			3,461	383	
1000	4	447+00 - 449+50, RT.	CTH KR	0	0	2,070	2,070	-2,070	
1000	4	806HN+00 - 861+00	CTH H (NB)	6,221	0	39,251	39,251	-33,030	
1000	4	A 156BRE+00 - A 162BRE+00	BRAUN RD. (EAST)	1,147	0	45	45	1,102	
	Project 3760-00-70 - Division 4 Subtotal			7,368	0		41,366	-33,998	
	Project 3760-00-70 - Division 4 Total			7,368			41,366	-33,998	
1000	5	447+00, RT. - 449+50, LT.	CTH KR	42	0	0	0	42	
	Project 3760-00-70 - Division 5 Subtotal			42	0		0	42	
	Project 3760-00-70 - Division 5 Total			42			0	42	
1000	1, 2, 3 & 4	SOUTH OF 805HN+00	CTH H / CTH KR	0	11,757	0	11,757	0	
1000	1, 2, 3 & 4	NORTH OF 805HN+00	CTH H	0	29,870	0	29,870	0	
1000	1, 2, 3 & 4		BRAUN RD.	0	6,250	0	6,250	0	
1000	2, 3, & 4	ASPHALTIC REMOVAL	CTH H / CTH KR	0	3,244	0	3,244	0	
	Project 3760-00-70 - Division 1, 2, 3 & 4 Subtotal			0	51,121		51,121	0	
	Project 3760-00-70 - Division 1, 2, 3, & 4 Total			51,121			51,121	0	
	Project 3760-00-70 Totals			**105,956**			**134,931**	**-28,975**	

1) Excavation Common = Cut + (Topsoil Removal + Excavation Below Subgrade). Item number 205.0100. See Topsoil Removal Detail.
2) Cut volume includes existing concrete and asphaltic surface material.
3) Roadway Embankment = (Fill + Topsoil Removal Replaced + Excavation Below Subgrade Replaced). Refer to Topsoil Removal Detail.
4) Mass Ordinate = Cut - Fill. The Mass Ordinate is for information purposes only as Common Excavation and Roadway Embankment are not balanced for quantity purposes
5) Topsoil quantity below subgrade in cut sections and topsoil removal quantity in fill areas. Excess topsoil material assumed to be wasted offsite.
6) Fill quantitiy shown for reference.
7) The Mass Ordinate is calculated by division. A positive quantity indicates an excess of material within the Division and a negative quantity indicates a shortage of material within the Division.

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CONCRETE PAVEMENT

ROADWAY	STATION			OFFSET	415.0100 CONCRETE PAVEMENT 10-INCH SY	415.1100 CONCRETE PAVEMENT HIGH EARLY STRENGTH 10-INCH SY	415.4100 CONCRETE PAVEMENT JOINT FILLING SY
STAGE 2							
CTH KR	447+00	--	449+50	LT	1,111	111	1,111
	450+26	--	452+75		4,669	467	4,669
CTH H	805HN+07	--	806HN+00	RT	247	25	247
	805HS+10	--	806HS+04	LT/RT	496	50	496
	810HS+00	--	856HS+10	LT	14,309	1,431	14,309
	818HN+47	--	820HN+87	LT	567	57	567
BRAUN ROAD	149BRE+84	--	153BRE+80	LT/RT	1,899	190	1,899
	151BRE+92	--	154BRE+88	LT/RT	1,053	105	1,053
STAGE 2 SUBTOTAL					24,351	2,436	24,351
STAGE 3							
CTH KR	449+50	--	450+26		1,213	121	1,213
CTH H	806HS+04	--	810HS+00	LT	1,589	159	1,589
BRAUN ROAD	149BRW+84	--	154BRW+36	LT	2,020	202	2,020
	154BRW+33	--	154BRW+87	LT/RT	516	52	516
STAGE 3 SUBTOTAL					5,339	534	5,339
STAGE 4							
CTH KR EB	447+00	--	449+50	RT	2,000	200	2,000
CTH H	806HN+00	--	809HN+73	LT	422	42	422
	806HN+00	--	816HN+65	LT/RT	3,214	321	3,214
	816HN+48	--	824HN+27	LT/RT	2,677	268	2,677
	818HN+40	--	819HN+68	RT	345	34	345
	819HN+84	--	821HN+16	RT	182	18	182
	820HN+19	--	839HN+35	RT	5,293	529	5,293
	838HN+52	--	843HN+33	LT/RT	2,115	212	2,115
	842HN+40	--	843HN+54	RT	321	32	321
	842HN+88	--	848HN+30	LT/RT	1,708	171	1,708
	844HN+33	--	845HN+66	RT	326	33	326
	844HN+87	--	852HN+30	LT/RT	2,455	246	2,455
	851HN+44	--	857HN+68	LT/RT	3,510	351	3,510
	855HN+25	--	856HN+20	RT	415	42	415
	856HN+86	--	857HN+53	RT	192	19	192
STAGE 4 SUBTOTAL					25,178	2,518	25,178
PROJECT 3160-00-70 TOTALS					49,380	5,488	54,868

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COVER PLATES TEMPORARY

STRUCTURE ID	STATION	OFFSET	611.8120.S COVER PLATES TEMPORARY EACH
STAGE 1			
806C	805HN+35.05	11.00' LT	1
806M	805HN+62.28	61.00' LT	1
808	808HN+01.32	16.00' LT	1
STAGE 1 SUBTOTAL			3
STAGE 2			
856H	855HN+96.93	102.72' LT	1
844L	844HN+21.24	93.95' LT	1
843C	843HN+54.51	116.29' LT	1
819E	819HN+74.60	91.78' LT	1
819D	819HN+29.20	83.94' LT	1
831E	831HN+02.20	35.00' LT	1
STAGE 2 SUBTOTAL			6
STAGE 3			
858A	857HN+41.60	62.12' LT	1
STAGE 3 SUBTOTAL			1
PROJECT 3760-00-70 TOTALS			10

RECONSTRUCTING AND ADJUSTING MANHOLE/INLETS

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

STRUCTURE ID	611.0430 RECONSTRUCTING INLETS EACH	611.8110 ADJUSTING MANHOLE COVERS EACH	* 611.8115 ADJUSTING INLET COVERS EACH
STAGE 3			
806C	1	--	--
806M	1	--	--
808	1	--	--
STAGE 3 SUBTOTAL	3	0	0
STAGE 4			
831E	1		
STAGE 4 SUBTOTAL	1	0	0
STAGE 5			
856H	--	--	1
844L	1	--	--
843C	1	--	--
819E	1	--	--
819D	1	--	--
858A	--	1	--
STAGE 5 SUBTOTAL	4	1	1
PROJECT 3760-00-70 TOTALS	8	1	1

TEMPORARY CULVERT PIPE

STRUCTURE ID	520.2012 CULVERT PIPE TEMPORARY 12-INCH PIPE LF
UNDISTRIBUTED	60
PROJECT 3760-00-70 TOTALS	60

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CONNECT DRAIN TILE

LOCATION	SPV.0060.006 CONNECT DRAIN TILE EACH	608.0312* STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	612.0212 PIPE UNDERDRAIN UNPERFORATED 12-INCH LF
UNDISTRIBUTED	10	200	1,500
TOTALS	10	200	1,500

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

SLIP-IN CHECK VALVE

ROADWAY	STATION	OFFSET	SPV.0060.013 SLIP-IN CHECK VALVE FOR 30" INSIDE DIAMETER PIPE EACH	SPV.0060.014 SLIP-IN CHECK VALVE FOR 36" INSIDE DIAMETER PIPE EACH
STAGE 2				
CTH H	822HN+05.61	61.00' LT	1	
CTH H	832HN+99.04	61.00' LT		1
STAGE 2 SUBTOTAL			1	1
PROJECT 3760-00-70 TOTALS			1	1

ABANDONING CULVERT PIPES

STAGE	ROADWAY	STATION	OFFSET	204.0270 ABANDONING CULVERT PIPES EACH	NOTES
3	CTH H	802HN+84	LT/RT	1	18-INCH
	TOTAL			1	

PIPE GRATE

STRUCTURE ID	STATION	OFFSET	611.9800.S. PIPE GRATE EACH
934A	806HN+74.00	136.00' RT	1
935A	806HN+93.00	137.00' RT	1
946A	453+55.00	285.00' LT	1
936A	807hn+42.00	142.00' RT	1
STAGE 1 SUBTOTAL			4
PROJECT 3760-00-70 TOTALS			4

ADJUSTING STRUCTURES

*

STAGE	LOCATION	STRUCTURE ID	STATION	OFFSET FT	611.8115 ADJUSTING INLET COVERS EACH	NOTES
5	CTH H					
		910K	801+78.13	14' RT	1	REMOVE TYPE S COVER, INSTALL TYPE H
		910H	802+01.51	22' RT	1	REMOVE TYPE S COVER, INSTALL TYPE H-S
		910N	802+01.51	14' RT	1	REMOVE TYPE S COVER, INSTALL TYPE H-S
		910L	802+60.00	22' RT	1	REMOVE TYPE S COVER, INSTALL TYPE H
		910M	802+60.00	14' RT	1	REMOVE TYPE S COVER, INSTALL TYPE H
	TOTAL				5	

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

PIPE UNDERDRAIN

STRUCTURE NUMBER	STATION	OFFSET	SPV.0090.02 PIPE UNDERDRAIN 6-INCH SPECIAL LF
STAGE 1			
806	805HN+35.54	61.50' LT	50
806Q	805HN+91.01	61.00' LT	50
806C	805HN+35.05	11.00' LT	50
806M	805HN+62.28	11.00' LT	25
806I	805HN+35.30	25.00' RT	50
806L	805HN+61.65	25.00' RT	25
STAGE 1 SUBTOTAL			250
STAGE 2			
831	831HN+02.20	61.50' LT	50
831B	831HN+28.50	61.50' LT	50
818C	818HN+49.80	70.50' LT	40
818Y	818HN+10.19	66.62' LT	40
STAGE 2 SUBTOTAL			180
STAGE 4			
831I	831HN+54.56	35.63' RT	40
831J	831HN+69.38	34.00' RT	25
818M	818HN+10.22	11.00' LT	40
818D	818HN+30.28	11.00' LT	20
818I	818HN+39.04	39.17' RT	50
STAGE 4 SUBTOTAL			175
UNDISTRIBUTED			300
PROJECT 3760-00-70 TOTALS			905

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POND LINER CLAY

640.1303.S

	POND LINER CLAY CY
POND G	2,700
PROJECT 3760-00-70 TOTAL	2,700

TEMPORARY PORTABLE RUMBLE STRIPS

643.0310.S

	TEMPORARY PORTABLE RUMBLE STRIPS LS
PROJECT 3760-00-70	1
PROJECT 3760-00-70 TOTAL	1

TRAFFIC CONTROL ITEMS

		643.0300		643.0420		643.0705		643.0715		643.0800		643.0900*		643.0920*	643.1050	
		TRAFFIC CONTROL DRUMS		TRAFFIC CONTROL BARRICADES TYPE III		TRAFFIC CONTROL WARNING LIGHTS TYPE A		TRAFFIC CONTROL WARNING LIGHTS TYPE C		TRAFFIC CONTROL ARROW BOARDS		TRAFFIC CONTROL SIGNS		TRAFFIC CONTROL COVERING SIGNS TYPE II	TRAFFIC CONTROL SIGNS PCMS	
ROADWAY	STAGE DURATION DAYS	EACH^	DAYS	EACH^	DAYS	EACH^	DAYS	EACH^	DAYS	EACH^	DAYS	EACH^	DAYS	EACH	EACH^	DAY
STAGE 1																
CTH H	31	241	7,471	17	527	34	1,054	5	155	--	--	27	837	--	1	80
STAGE 1 SUBTOTAL			7,471		527		1,054		155		--		837	--		80
STAGE 2																
CTH H	61	273	16,653	33	2,013	66	4,026	53	3,233	--	--	38	2,318	--	1	20
CTH KR		--	--	--	--	--	--	--	--	--	--	--	--	--	2	180
STAGE 2 SUBTOTAL			16,653		2,013		4,026		3,233		--		2,318	--		200
STAGE 3																
CTH H	21	196	11,956	49	2,989	98	5,978	45	2,745	--	--	27	1,647	--	1	20
CTH KR		--	--	--	--	--	--	--	--	--	--	--	--	--	2	40
STAGE 3 SUBTOTAL			11,956		2,989		5,978		2,745		--		1,647	--		20
STAGE 4																
CTH H	102	258	26,316	61	6,222	122	12,444	59	6,018	2	204	49	4,998	--	1	20
STAGE 4 SUBTOTAL			26,316		6,222		12,444		6,018		204		4,998	--		20
STAGE 5																
CTH H	60	368	37,536	7	714	14	1,428	11	1,122	1	102	25	2,550	--	--	--
STAGE 5 SUBTOTAL			37,536		714		1,428		1,122		102		2,550	--		--
UNDISTRIBUTED			--		--		--		--				--	35		--
PROJECT 3760-00-70 TOTAL			99,932		12,465		24,930		13,273		306		12,350	35		320

^ FOR INFORMATION ONLY
* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

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3

TEMPORARY PAVEMENT MARKINGS

ROADWAY	646.9000 MARKING REMOVAL LINE 4-INCH LF	646.9100 MARKING REMOVAL LINE 8-INCH LF	646.9200 MARKING REMOVAL LINE WIDE LF	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH 3-FT LINE (WHITE) LF	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH (WHITE) LF	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW) LF	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) LF	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW) LF	649.0155 TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH 3-FT LINE (WHITE) LF	649.0155 TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE) LF	649.0155 TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (YELLOW) LF	649.0250 TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE) LF	649.0250 TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (YELLOW) LF	649.0255 TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE) LF	649.0255 TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (YELLOW) LF	649.0505 TEMPORARY MARKING ARROW PAINT EACH	649.0605 TEMPORARY MARKING WORD PAINT EACH	649.0850 TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH LF
STAGE 1																		
CTH H	917	--	15	--	421	1,305	--	--	--	--	--	--	--	--	--	--	--	11
CTH KR	641	198	27	25	88	716	--	--	--	--	--	--	--	--	--	--	--	25
BRAUN RD	--	--	--	--	930	955	--	--	--	--	--	--	--	--	--	--	--	--
STAGE 1 SUBTOTAL	1,557	198	42		4,439		--			--		--		--		--	--	36
STAGE 2																		
CTH H	15,145	350	60	--	--	--	5,293	12,658	--	--	--	557	--	--	--	6	--	79
CTH KR	934	--	25	--	--	--	--	680	--	--	--	--	--	--	--	--	--	12
BRAUN RD	733	135	12	--	--	--	3,624	3,123	--	--	--	252	--	--	--	4	--	48
STAGE 2 SUBTOTAL	16,811	485	97		--		25,378			--		810		--		10	--	139
STAGE 3																		
CTH H	490	--	--	--	--	--	3,483	2,997	--	576	198	72	--	--	--	2	1	67
CTH KR	--	--	--	--	--	--	915	1,545	--	316	225	--	--	--	--	--	--	12
BRAUN RD	1,120	--	--	--	--	--	1,095	664	--	678	845	131	--	128	--	4	--	44
STAGE 3 SUBTOTAL	1,610	--	--		--		10,700			2,837		203		128		6	1	123
STAGE 4																		
CTH H	--	--	--	--	--	--	2,405	2,259	74	6,178	11,675	--	--	492	--	6	1	77
CTH KR	--	--	--	--	--	--	179	432	--	414	654	--	--	259	--	4	--	48
BRAUN RD	--	--	--	--	--	--	--	--	--	207	1,327	--	--	247	--	4	--	24
STAGE 4 SUBTOTAL	--	--	--		--		5,275			20,528		--		999		14	1	149
STAGE 5																		
CTH H	--	--	--	--	--	--	--	--	--	83	--	--	--	1,609	--	1	1	--
CTH KR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BRAUN RD	--	--	--	--	--	--	--	--	--	--	574	--	--	3,150	--	5	1	--
STAGE 5 SUBTOTAL	--	--	--		--		--			657		--		4,759		6	2	--
PROJECT 3760-00-70 TOTALS	19,979	683	139		4,439		41,352			24,023		1,012		5,887		36	4	447

EBS EXCAVATION

ROADWAY	SPV.0035.002 EBS EXCAVATION CY	SPV.0035.003 EBS BACKFILL CY
LAMPAREK CREEK	14,675	14,675
UNDISTRIBUTED	9,575	9,575
PROJECT 3760-00-70 TOTAL	24,250	24,250

MOBILIZATION EMERGENCY PAVEMENT REPAIR

ROADWAY	SPV.0060.008 MOBILIZATION EMERGENCY PAVEMENT REPAIR EACH
PROJECT 3760-00-70	8
PROJECT 3760-00-70 TOTAL	8

EROSION CONTROL SPECIAL

ROADWAY	628.1104* EROSION BALES EACH	645.0120* GEOTEXTILE FABRIC TYPE HR SY	SPV.0060.002 TEMPORARY STONE DITCH CHECKS EACH	SPV.0060.003 SAND BAGS EACH	SPV.0060.004 TEMPORARY SEDIMENT TRAPS EACH	SPV.0060.005 EROSION CONTROL FILTER BAGS EACH
PROJECT 3760-00-70	76	191	40	50	6	5
PROJECT 3760-00-70 TOTAL	76	191	40	50	6	5

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

SECTION CORNER MONUMENTS

ROADWAY	SPV.0060.010 SECTION CORNER MONUMENTS EACH
PROJECT 3760-00-70	2
PROJECT 3760-00-70 TOTAL	2

POND OUTLET STORM SEWER STRUCTURE

ROADWAY	SPV.0060.007 POND G OUTLET STORM SEWER STRUCTURE EACH
POND G	1
PROJECT 3760-00-70 TOTAL	1

PAVEMENT CLEANUP

ROADWAY	SPV.0075.001 PAVEMENT CLEANUP PROJECT 3760-00-70 HOURS
PROJECT 3760-00-70	310
PROJECT 3760-00-70 TOTAL	310

Addendum No. 01
ID 3760-00-70
Revised Sheet 393
January 4, 2019

SUMMARY OF STATE FURNISHED MATERIALS - FOR INFORMATION ONLY

QUANTITY	UNIT	DESCRIPTION
1	EACH	TRAFFIC SIGNAL CABINET WITH CONTROLLER AND CO-PROCESSOR
2	EACH	POLES TYPE 9
1	EACH	POLES TYPE 10
2	EACH	POLES TYPE 9S
1	EACH	MONOTUBE ARMS 25 FT
2	EACH	MONOTUBE ARMS 30 FT
2	EACH	MONOTUBE ARMS 45 FT
2	EACH	LUMINAIRE ARMS STEEL 15-FT
4	EACH	EVP DETECTOR HEADS WITH CONFIRMATION BEACONS (HEADS A, B, C, D)
4	EACH	RADAR DETECTOR UNIT - ADVANCE EXTENDED (RE1, RE2, RE3, RE4)
1	EACH	CELL MODEM
1	EACH	ETHERNET SWITCH

CTH KR & CTH H

ALL ITEMS ARE CATEGORY 3000 UNLESS OTHERWISE NOTED

3

3

CONDUIT

FROM	TO	652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235* CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF
CB1	PB1	--	39
PB1	PB2	--	48
PB1	PB3	37	--
PB2	PB4	--	120
PB4	PB5	28	--
PB4	PB6	--	72
PB6	PB7	21	--
PB6	PB8	--	198
PB8	PB9	--	120
PB9	PB10	--	48
PB10	PB11	--	104
PB11	PB12	45	--
PB11	PB13	--	186
PB13	PB14	28	--
PB13	PB15	--	120
PB15	PB16	28	--
PB15	PB17	--	72
PB17	PB18	21	--
PB17	PB19	--	174
PB19	PB20	--	168
PB20	PB21	28	--
PB20	PB22	--	104
PB22	PB23	33	--
PB22	PB24	--	141
PB24	CB1	--	30
	SUBTOTALS	269	1744

FROM	TO	652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235* CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF
PB2	SB1	25	--
PB4	SB2	22	--
PB6	SB3	--	11
PB6	SB4	23	--
PB8	SB5	35	--
PB9	SB6	--	34
PB10	SB7	9	--
PB11	SB8	--	20
PB11	SB9	35	--
PB13	SB10	23	--
PB15	SB11	24	--
PB17	SB12	--	6
PB17	SB13	30	--
PB19	SB14	23	--
PB20	SB15	24	--
PB22	SB16	24	--
PB22	SB17	--	9
	SUBTOTALS	297	80
	TOTALS	566	1824

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

Addendum No. 01
ID 3760-00-70
Revised Sheet 396
January 4, 2019

FILE NAME : pw:\\pw-intntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.1_37600070-CTH-H-South-Leg\t1\cds\030241_mq_sp.ppt
PLOT DATE : 12/20/2018 3:50:16 PM PLOT BY : HNTB PLOT NAME : 030241_mq_sp1 PLOT SCALE : 1:1

CONCRETE BASES

BASE NO.	STATION	LOCATION	654.0101* CONCRETE BASES TYPE 1 EACH	654.0102* CONCRETE BASES TYPE 2 EACH	654.0110* CONCRETE BASES TYPE 10 EACH	SPV.0060.302 CONCRETE BASES TYPE 10 SPECIAL EACH	654.0217* CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL EACH
CB1	805HS+00.0	76.9' LT	--	--	--	--	1
SB1	804HS+82.9	48.1' LT	1	--	--	--	--
SB2	804HS+85.4	18.0' RT	--	1	--	--	--
SB3	805HN+15.0	32.0' RT	--	--	1	--	--
SB4	804HN+84.9	42.2' RT	1	--	--	--	--
SB5	451+50.8	79.5' LT	1	--	--	--	--
SB6	451+51.1	12.0' LT	--	--	1	--	--
SB7	451+76.1	11.5' RT	1	--	--	--	--
SB8	451+65.0	66.0' RT	--	--	--	1	--
SB9	451+51.5	71.9' RT	1	--	--	--	--
SB10	802HN+90.1	50.5' RT	1	--	--	--	--
SB11	802HN+93.1	18.0' LT	--	1	--	--	--
SB12	802HS+65.0	32.0' LT	--	--	1	--	--
SB13	802HS+95.3	46.9' LT	1	--	--	--	--
SB14	449+87.0	76.7' RT	1	--	--	--	--
SB15	449+87.5	12.0' LT	--	1	--	--	--
SB16	449+87.2	71.5' LT	1	--	--	--	--
SB17	449+55.0	66.0' LT	--	--	--	1	--
		TOTALS	9	3	3	2	1

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE
*** FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD

Addendum No. 01
ID 3760-00-70
Revised Sheet 399
January 4, 2019

FILE NAME : pw:\\pw-intjntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.1_37600070-CTH-H-South-Leg\t1\cds\030241_mq_sp.ppt
PLOT DATE : 12/20/2018 3:52:05 PM PLOT BY : HNTB PLOT NAME : 030241_mq_sp4 PLOT SCALE : 1:1

CAST BASES, POLES, MONOTUBE ARMS, PUSH BUTTONS, AND LUMINAIRES (CONT.)

SIGNAL BASE NO.	SPV.0060.309* INSTALL POLES TYPE 9 EACH	SPV.0060.310 INSTALL POLES TYPE 10 EACH	SPV.0060.314* INSTALL POLES TYPE 9S EACH	SPV.0060.325 INSTALL MONOTUBE ARMS 25-FT EACH	SPV.0060.330* INSTALL MONOTUBE ARMS 30-FT EACH	SPV.0060.345* INSTALL MONOTUBE ARMS 45-FT EACH	SPV.0060.360* INSTALL LUMINAIRE ARMS STEEL 15-FT EACH	658.0500* PEDESTRIAN PUSH BUTTONS EACH	659.1125* LUMINAIRES UTILITY LED C EACH
SB1	--	--	--	--	--	--	--	1	--
SB2	--	--	--	--	--	--	--	1	2
SB3	1	--	--	--	1	--	--	--	--
SB4	--	--	--	--	--	--	--	1	--
SB5	--	--	--	--	--	--	--	1	--
SB6	--	1	--	1	--	--	2	1	2
SB7	--	--	--	--	--	--	--	--	--
SB8	--	--	1	--	--	1	--	--	--
SB9	--	--	--	--	--	--	--	1	--
SB10	--	--	--	--	--	--	--	1	--
SB11	--	--	--	--	--	--	--	1	2
SB12	1	--	--	--	1	--	--	--	--
SB13	--	--	--	--	--	--	--	1	--
SB14	--	--	--	--	--	--	--	1	--
SB15	--	--	--	--	--	--	--	1	2
SB16	--	--	--	--	--	--	--	1	--
SB17	--	--	1	--	--	1	--	--	--
TOTALS	2	1	2	1	2	2	2	12	8

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

Addendum No. 01
ID 3760-00-70
Revised Sheet 404
January 4, 2019

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.1_37600070-CTH-H-South-Leg\t1\cds\030241_mq_sp.ppt
PLOT DATE : 12/20/2018 3:52:51 PM PLOT BY : HNTB PLOT NAME : 030241_mq_sp9 PLOT SCALE : 1:1

SUMMARY OF STATE FURNISHED MATERIALS - FOR INFORMATION ONLY

QUANTITY	UNIT	DESCRIPTION
1	EACH	TRAFFIC SIGNAL CABINET WITH CONTROLLER AND CO-PROCESSOR
1	EACH	POLES TYPE 9
1	EACH	POLES TYPE 9S
2	EACH	POLES TYPE 10S
1	EACH	MONOTUBE ARMS 30 FT
1	EACH	MONOTUBE ARMS 40 FT
2	EACH	MONOTUBE ARMS 45 FT
2	EACH	LUMINAIRE ARMS STEEL 15-FT
4	EACH	EVP DETECTOR HEADS WITH CONFIRMATION BEACONS (HEADS A, B, C, D)
2	EACH	RADAR DETECTOR UNIT - MATRIX (RM1, RM2)
2	EACH	RADAR DETECTOR UNIT - ADVANCE EXTENDED (RE1, RE2)
1	EACH	CELL MODEM
1	EACH	ETHERNET SWITCH

CTH H & ACCESS FC6/ACCESS E5A

ALL ITEMS ARE CATEGORY 3000 UNLESS OTHERWISE NOTED

3

3

CONDUIT

FROM	TO	652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235* CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF
CB1	PB1	--	30
PB1	PB2	--	54
PB2	PB3	--	150
PB3	PB4	54	--
PB3	PB5	--	46
PB5	PB6	--	82
PB6	PB7	55	--
PB6	PB8	--	184
PB8	PB9	--	206
PB9	PB10	--	122
PB10	PB11	--	100
PB11	PB12	66	--
PB11	PB13	--	48
PB13	PB14	--	84
PB14	PB15	54	--
PB14	PB16	--	110
PB16	PB17	--	82
PB17	PB18	--	248
PB18	PB19	--	38
PB18	PB20	--	102
PB20	CB1	--	78
	SUBTOTALS	229	1764

FROM	TO	652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235* CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF
PB4	SB1	5	--
PB5	SB2	3	--
PB8	SB3	14	--
PB8	SB4	--	14
PB9	SB5	11	--
PB9	SB6	--	31
PB12	SB7	8	--
PB13	SB8	11	--
PB17	SB9	10	--
PB17	SB10	--	24
PB19	SB11	9	--
PB19	SB12	--	17
	SUBTOTALS	71	86
	TOTALS	300	1850

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

Addendum No. 01
ID 3760-00-70
Revised Sheet 408
January 4, 2019

FILE NAME : pw:\\pw-intjhntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.1_37600070-CTH-H-South-Leg\t1\cds\030242_mq_sp.ppt
PLOT DATE : 12/20/2018 3:56:14 PM PLOT BY : HNTB PLOT NAME : 030242_mq_sp1 PLOT SCALE : 1:1

CONCRETE BASES

BASE NO.	STATION	LOCATION	654.0101* CONCRETE BASES TYPE 1 EACH	654.0102* CONCRETE BASES TYPE 2 EACH	654.0110* CONCRETE BASES TYPE 10 EACH	SPV.0060.302 CONCRETE BASES TYPE 10 SPECIAL EACH	654.0217* CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL EACH
CB1	842HN+40.0	61.5' RT	--	--	--	--	1
SB1	843HN+19.0	6.0' LT	--	1	--	--	--
SB2	842HS+63.8	7.0' RT	1	--	--	--	--
SB3	843HS+49.2	47.8' LT	--	1	--	--	--
SB4	843HS+38.7	32.0' LT	--	--	1	--	--
SB5	844HS+44.4	32.8' LT	1	--	--	--	--
SB6	844HS+28.9	48.8' LT	--	--	--	1	--
SB7	844HS+41.6	6.0' RT	--	1	--	--	--
SB8	845HN+04.3	6.0' LT	1	--	--	--	--
SB9	844HN+26.0	52.4' RT	--	1	--	--	--
SB10	844HN+36.8	40.8' RT	--	--	--	1	--
SB11	843HN+34.9	32.7' RT	1	--	--	--	--
SB12	843HN+45.8	49.4' RT	--	--	--	1	--
		TOTALS	4	4	1	3	1

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE
*** FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD

Addendum No. 01
ID 3760-00-70
Revised Sheet 411
January 4, 2019

CAST BASES, POLES, MONOTUBE ARMS, PUSH BUTTONS, AND LUMINAIRES (CONT.)

SIGNAL BASE NO.	SPV.0060.309* INSTALL POLES TYPE 9 EACH	SPV.0060.314* INSTALL POLES TYPE 9S EACH	SPV.0060.315 INSTALL POLES TYPE 10S EACH	SPV.0060.330* INSTALL MONOTUBE ARMS 30-FT EACH	SPV.0060.340* INSTALL MONOTUBE ARMS 40-FT EACH	SPV.0060.345* INSTALL MONOTUBE ARMS 45-FT EACH	SPV.0060.360* INSTALL LUMINAIRE ARMS STEEL 15-FT EACH	658.0500* PEDESTRIAN PUSH BUTTONS EACH	659.1125* LUMINAIRES UTILITY LED C EACH
SB1	--	--	--	--	--	--	--	--	2
SB2	--	--	--	--	--	--	--	--	--
SB3	--	--	--	--	--	--	--	1	1
SB4	1	--	--	1	--	--	--	1	--
SB5	--	--	--	--	--	--	--	1	--
SB6	--	--	1	--	--	1	1	1	1
SB7	--	--	--	--	--	--	--	1	2
SB8	--	--	--	--	--	--	--	--	--
SB9	--	--	--	--	--	--	--	1	1
SB10	--	1	--	--	1	--	--	1	--
SB11	--	--	--	--	--	--	--	1	--
SB12	--	--	1	--	--	1	1	1	1
TOTALS	1	1	2	1	1	2	2	9	8

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

Addendum No. 01
ID 3760-00-70
Revised Sheet 416
January 4, 2019

Proposal ID: 20190115016 Project(s): 3760-00-70

Federal ID(s): N/A

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0002	108.4400 CPM Progress Schedule	1.000 EACH	_____.____	_____.____
0004	201.0105 Clearing	37.000 STA	_____.____	_____.____
0006	201.0120 Clearing	12.000 ID	_____.____	_____.____
0008	201.0205 Grubbing	37.000 STA	_____.____	_____.____
0010	201.0220 Grubbing	12.000 ID	_____.____	_____.____
0012	203.0100 Removing Small Pipe Culverts	29.000 EACH	_____.____	_____.____
0014	204.0115 Removing Asphaltic Surface Butt Joints	382.000 SY	_____.____	_____.____
0016	204.0150 Removing Curb & Gutter	763.000 LF	_____.____	_____.____
0018	204.0165 Removing Guardrail	243.000 LF	_____.____	_____.____
0020	204.0170 Removing Fence	178.000 LF	_____.____	_____.____
0022	204.0265 Abandoning Wells	5.000 EACH	_____.____	_____.____
0024	204.0270 Abandoning Culvert Pipes	1.000 EACH	_____.____	_____.____
0026	204.0280 Sealing Pipes	4.000 EACH	_____.____	_____.____
0028	204.9090.S Removing (item description) 001. Underdrain	225.000 LF	_____.____	_____.____
0030	204.9090.S Removing (item description) 002. Drain Tile	750.000 LF	_____.____	_____.____

Proposal ID: 20190115016 Project(s): 3760-00-70

Federal ID(s): N/A

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0032	204.9105.S Removing (item description) 001. Removing Lamparek Creek Cross Culvert	LS	LUMP SUM	_____.____
0034	204.9180.S Removing (item description) 001. Riprap	85.000 SY	_____.____	_____.____
0036	205.0100 Excavation Common	105,956.000 CY	_____.____	_____.____
0038	213.0100 Finishing Roadway (project) 001. 3760-00-70	1.000 EACH	_____.____	_____.____
0040	305.0110 Base Aggregate Dense 3/4-Inch	1,225.000 TON	_____.____	_____.____
0042	305.0120 Base Aggregate Dense 1 1/4-Inch	57,091.000 TON	_____.____	_____.____
0044	311.0110 Breaker Run	64,094.000 TON	_____.____	_____.____
0046	415.0100 Concrete Pavement 10-Inch	49,380.000 SY	_____.____	_____.____
0050	415.4100 Concrete Pavement Joint Filling	54,868.000 SY	_____.____	_____.____
0052	415.5110.S Concrete Pavement Joint Layout	1.000 LS	_____.____	_____.____
0054	416.0620 Drilled Dowel Bars	122.000 EACH	_____.____	_____.____
0056	450.4000 HMA Cold Weather Paving	4,836.000 TON	_____.____	_____.____
0058	455.0605 Tack Coat	751.000 GAL	_____.____	_____.____
0060	460.2000 Incentive Density HMA Pavement	3,042.000 DOL	1.00000	3,042.00
0062	460.6223 HMA Pavement 3 MT 58-28 S	2,491.000 TON	_____.____	_____.____
0064	460.6224 HMA Pavement 4 MT 58-28 S	1,311.000 TON	_____.____	_____.____

Proposal ID: 20190115016 Project(s): 3760-00-70

Federal ID(s): N/A

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0066	465.0125 Asphaltic Surface Temporary	5,202.000 TON	_____.____	_____.____
0068	495.1000.S Cold patch	300.000 TON	_____.____	_____.____
0070	520.2012 Culvert Pipe Temporary 12-Inch	60.000 LF	_____.____	_____.____
0072	520.8000 Concrete Collars for Pipe	4.000 EACH	_____.____	_____.____
0074	522.0112 Culvert Pipe Reinforced Concrete Class III 12-Inch	46.000 LF	_____.____	_____.____
0076	522.0418 Culvert Pipe Reinforced Concrete Class IV 18-Inch	80.000 LF	_____.____	_____.____
0078	522.1012 Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	1.000 EACH	_____.____	_____.____
0080	522.1015 Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch	4.000 EACH	_____.____	_____.____
0082	522.1018 Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	2.000 EACH	_____.____	_____.____
0084	522.1060 Apron Endwalls for Culvert Pipe Reinforced Concrete 60-Inch	1.000 EACH	_____.____	_____.____
0086	524.0618 Apron Endwalls for Culvert Pipe Salvaged 18-Inch	2.000 EACH	_____.____	_____.____
0088	601.0409 Concrete Curb & Gutter 30-Inch Type A	23,340.000 LF	_____.____	_____.____
0090	601.0411 Concrete Curb & Gutter 30-Inch Type D	32.000 LF	_____.____	_____.____
0092	601.0555 Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type A	5,952.000 LF	_____.____	_____.____
0094	602.0410 Concrete Sidewalk 5-Inch	46,714.000 SF	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0096	602.0505 Curb Ramp Detectable Warning Field Yellow	1,120.000 SF	_____.____	_____.____
0098	602.0605 Curb Ramp Detectable Warning Field Radial Yellow	78.000 SF	_____.____	_____.____
0100	603.8000 Concrete Barrier Temporary Precast Delivered	144.000 LF	_____.____	_____.____
0102	603.8125 Concrete Barrier Temporary Precast Installed	144.000 LF	_____.____	_____.____
0104	606.0200 Riprap Medium	21.000 CY	_____.____	_____.____
0106	606.0300 Riprap Heavy	15.000 CY	_____.____	_____.____
0108	608.0312 Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	480.000 LF	_____.____	_____.____
0110	608.0315 Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	4,014.000 LF	_____.____	_____.____
0112	608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	1,765.000 LF	_____.____	_____.____
0114	608.0324 Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	2,893.000 LF	_____.____	_____.____
0116	608.0336 Storm Sewer Pipe Reinforced Concrete Class III 36-Inch	26.000 LF	_____.____	_____.____
0118	608.0360 Storm Sewer Pipe Reinforced Concrete Class III 60-Inch	200.000 LF	_____.____	_____.____
0120	608.0412 Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	307.000 LF	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0122	608.0415 Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	2,459.000 LF	_____.____	_____.____
0124	608.0530 Storm Sewer Pipe Reinforced Concrete Class V 30-Inch	29.000 LF	_____.____	_____.____
0126	608.0536 Storm Sewer Pipe Reinforced Concrete Class V 36-Inch	41.000 LF	_____.____	_____.____
0128	611.0530 Manhole Covers Type J	2.000 EACH	_____.____	_____.____
0130	611.0535 Manhole Covers Type J-Special	2.000 EACH	_____.____	_____.____
0132	611.0606 Inlet Covers Type B	1.000 EACH	_____.____	_____.____
0134	611.0624 Inlet Covers Type H	155.000 EACH	_____.____	_____.____
0136	611.0627 Inlet Covers Type HM	25.000 EACH	_____.____	_____.____
0138	611.0639 Inlet Covers Type H-S	20.000 EACH	_____.____	_____.____
0140	611.0642 Inlet Covers Type MS	4.000 EACH	_____.____	_____.____
0142	611.0654 Inlet Covers Type V	6.000 EACH	_____.____	_____.____
0144	611.2004 Manholes 4-FT Diameter	33.000 EACH	_____.____	_____.____
0146	611.2005 Manholes 5-FT Diameter	27.000 EACH	_____.____	_____.____
0148	611.2006 Manholes 6-FT Diameter	7.000 EACH	_____.____	_____.____
0150	611.3220 Inlets 2x2-FT	6.000 EACH	_____.____	_____.____
0152	611.3230 Inlets 2x3-FT	101.000 EACH	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0154	611.3902 Inlets Median 2 Grate	1.000 EACH	_____.____	_____.____
0156	611.8115 Adjusting Inlet Covers	6.000 EACH	_____.____	_____.____
0158	611.8120.S Cover Plates Temporary	10.000 EACH	_____.____	_____.____
0160	611.9800.S Pipe Grates	4.000 EACH	_____.____	_____.____
0162	612.0212 Pipe Underdrain Unperforated 12-Inch	1,500.000 LF	_____.____	_____.____
0164	612.0902.S Insulation Board Polystyrene (inch) 001. 4-Inch	136.000 SY	_____.____	_____.____
0166	614.0905 Crash Cushions Temporary	2.000 EACH	_____.____	_____.____
0168	616.0700.S Fence Safety	1,500.000 LF	_____.____	_____.____
0170	619.1000 Mobilization	1.000 EACH	_____.____	_____.____
0172	620.0100 Concrete Corrugated Median	4,324.000 SF	_____.____	_____.____
0174	620.0300 Concrete Median Sloped Nose	3,216.000 SF	_____.____	_____.____
0176	623.0200 Dust Control Surface Treatment	126,525.000 SY	_____.____	_____.____
0178	624.0100 Water	4,846.000 MGAL	_____.____	_____.____
0180	628.1104 Erosion Bales	142.000 EACH	_____.____	_____.____
0182	628.1504 Silt Fence	28,119.000 LF	_____.____	_____.____
0184	628.1520 Silt Fence Maintenance	28,700.000 LF	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0186	628.1905 Mobilizations Erosion Control	10.000 EACH	_____.____	_____.____
0188	628.1910 Mobilizations Emergency Erosion Control	6.000 EACH	_____.____	_____.____
0190	628.2008 Erosion Mat Urban Class I Type B	136,854.000 SY	_____.____	_____.____
0192	628.6510 Soil Stabilizer Type B	0.600 ACRE	_____.____	_____.____
0194	628.7005 Inlet Protection Type A	216.000 EACH	_____.____	_____.____
0196	628.7010 Inlet Protection Type B	11.000 EACH	_____.____	_____.____
0198	628.7020 Inlet Protection Type D	210.000 EACH	_____.____	_____.____
0200	628.7504 Temporary Ditch Checks	142.000 LF	_____.____	_____.____
0202	628.7555 Culvert Pipe Checks	10.000 EACH	_____.____	_____.____
0204	628.7560 Tracking Pads	10.000 EACH	_____.____	_____.____
0206	628.7570 Rock Bags	60.000 EACH	_____.____	_____.____
0208	629.0205 Fertilizer Type A	3.200 CWT	_____.____	_____.____
0210	629.0210 Fertilizer Type B	90.100 CWT	_____.____	_____.____
0212	630.0140 Seeding Mixture No. 40	2,454.000 LB	_____.____	_____.____
0214	630.0200 Seeding Temporary	2,688.000 LB	_____.____	_____.____
0216	633.5200 Markers Culvert End	4.000 EACH	_____.____	_____.____
0218	634.0618 Posts Wood 4x6-Inch X 18-FT	118.000 EACH	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0220	637.0620 Sign Flags Permanent Type II	20.000 EACH	_____.____	_____.____
0222	637.2210 Signs Type II Reflective H	711.700 SF	_____.____	_____.____
0224	637.2215 Signs Type II Reflective H Folding	212.100 SF	_____.____	_____.____
0226	637.2230 Signs Type II Reflective F	203.000 SF	_____.____	_____.____
0228	638.2102 Moving Signs Type II	3.000 EACH	_____.____	_____.____
0230	638.2602 Removing Signs Type II	42.000 EACH	_____.____	_____.____
0232	638.3000 Removing Small Sign Supports	39.000 EACH	_____.____	_____.____
0234	638.4000 Moving Small Sign Supports	6.000 EACH	_____.____	_____.____
0236	640.1303.S Pond Liner Clay	2,700.000 CY	_____.____	_____.____
0238	643.0300 Traffic Control Drums	99,932.000 DAY	_____.____	_____.____
0240	643.0310.S Temporary Portable Rumble Strips	1.000 LS	_____.____	_____.____
0242	643.0420 Traffic Control Barricades Type III	12,465.000 DAY	_____.____	_____.____
0244	643.0705 Traffic Control Warning Lights Type A	24,930.000 DAY	_____.____	_____.____
0246	643.0715 Traffic Control Warning Lights Type C	13,273.000 DAY	_____.____	_____.____
0248	643.0800 Traffic Control Arrow Boards	306.000 DAY	_____.____	_____.____
0250	643.0900 Traffic Control Signs	33,741.000 DAY	_____.____	_____.____
0252	643.0920 Traffic Control Covering Signs Type II	45.000 EACH	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0254	643.1000 Traffic Control Signs Fixed Message	194.000 SF	_____.____	_____.____
0256	643.1050 Traffic Control Signs PCMS	320.000 DAY	_____.____	_____.____
0258	643.5000 Traffic Control	1.000 EACH	_____.____	_____.____
0260	645.0120 Geotextile Type HR	287.000 SY	_____.____	_____.____
0262	645.0220 Geogrid Type SR	12,359.000 SY	_____.____	_____.____
0264	646.1005 Marking Line Paint 4-Inch	415.000 LF	_____.____	_____.____
0266	646.1020 Marking Line Epoxy 4-Inch	11,648.000 LF	_____.____	_____.____
0268	646.1545 Marking Line Grooved Wet Ref Contrast Epoxy 4-Inch	309.000 LF	_____.____	_____.____
0270	646.3020 Marking Line Epoxy 8-Inch	732.000 LF	_____.____	_____.____
0272	646.3545 Marking Line Grooved Wet Ref Contrast Epoxy 8-Inch	1,208.000 LF	_____.____	_____.____
0274	646.5020 Marking Arrow Epoxy	40.000 EACH	_____.____	_____.____
0276	646.5120 Marking Word Epoxy	19.000 EACH	_____.____	_____.____
0278	646.6120 Marking Stop Line Epoxy 18-Inch	565.000 LF	_____.____	_____.____
0280	646.6220 Marking Yield Line Epoxy 18-Inch	61.000 EACH	_____.____	_____.____
0282	646.7120 Marking Diagonal Epoxy 12-Inch	685.000 LF	_____.____	_____.____
0284	646.7420 Marking Crosswalk Epoxy Transverse Line 6-Inch	2,950.000 LF	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0286	646.8120 Marking Curb Epoxy	182.000 LF	_____.____	_____.____
0288	646.8220 Marking Island Nose Epoxy	14.000 EACH	_____.____	_____.____
0290	646.9000 Marking Removal Line 4-Inch	19,979.000 LF	_____.____	_____.____
0292	646.9100 Marking Removal Line 8-Inch	683.000 LF	_____.____	_____.____
0294	646.9200 Marking Removal Line Wide	139.000 LF	_____.____	_____.____
0296	649.0105 Temporary Marking Line Paint 4-Inch	4,439.000 LF	_____.____	_____.____
0298	649.0150 Temporary Marking Line Removable Tape 4-Inch	41,352.000 LF	_____.____	_____.____
0300	649.0155 Temporary Marking Line Removable Contrast Tape 4-Inch	24,023.000 LF	_____.____	_____.____
0302	649.0250 Temporary Marking Line Removable Tape 8-Inch	1,012.000 LF	_____.____	_____.____
0304	649.0255 Temporary Marking Line Removable Contrast Tape 8-Inch	5,887.000 LF	_____.____	_____.____
0306	649.0505 Temporary Marking Arrow Paint	36.000 EACH	_____.____	_____.____
0308	649.0605 Temporary Marking Word Paint	4.000 EACH	_____.____	_____.____
0310	649.0850 Temporary Marking Stop Line Removable Tape 18-Inch	447.000 LF	_____.____	_____.____
0312	649.0960 Temporary Marking Removable Mask Out Tape 6-Inch	2,807.000 LF	_____.____	_____.____
0314	649.0970 Temporary Marking Removable Mask Out Tape 10-Inch	528.000 LF	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0316	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch	6,615.000 LF	_____.____	_____.____
0318	652.0235 Conduit Rigid Nonmetallic Schedule 40 3-Inch	8,181.000 LF	_____.____	_____.____
0320	652.0700.S Install Conduit into Existing Item	2.000 EACH	_____.____	_____.____
0322	652.0800 Conduit Loop Detector	5,000.000 LF	_____.____	_____.____
0324	653.0135 Pull Boxes Steel 24x36-Inch	38.000 EACH	_____.____	_____.____
0326	653.0140 Pull Boxes Steel 24x42-Inch	54.000 EACH	_____.____	_____.____
0328	654.0101 Concrete Bases Type 1	21.000 EACH	_____.____	_____.____
0330	654.0102 Concrete Bases Type 2	11.000 EACH	_____.____	_____.____
0332	654.0105 Concrete Bases Type 5	27.000 EACH	_____.____	_____.____
0334	654.0110 Concrete Bases Type 10	8.000 EACH	_____.____	_____.____
0338	654.0217 Concrete Control Cabinet Bases Type 9 Special	3.000 EACH	_____.____	_____.____
0340	654.0230 Concrete Control Cabinet Bases Type L30	2.000 EACH	_____.____	_____.____
0342	654.1130 Concrete Bases Camera Pole 30-FT	1.000 EACH	_____.____	_____.____
0344	655.0210 Cable Traffic Signal 3-14 AWG	4,900.000 LF	_____.____	_____.____
0346	655.0230 Cable Traffic Signal 5-14 AWG	2,713.000 LF	_____.____	_____.____
0348	655.0240 Cable Traffic Signal 7-14 AWG	8,120.000 LF	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0350	655.0260 Cable Traffic Signal 12-14 AWG	7,407.000 LF	_____.____	_____.____
0352	655.0320 Cable Type UF 2-10 AWG Grounded	3,877.000 LF	_____.____	_____.____
0354	655.0510 Electrical Wire Traffic Signals 12 AWG	6,871.000 LF	_____.____	_____.____
0356	655.0515 Electrical Wire Traffic Signals 10 AWG	11,240.000 LF	_____.____	_____.____
0358	655.0610 Electrical Wire Lighting 12 AWG	2,916.000 LF	_____.____	_____.____
0360	655.0700 Loop Detector Lead In Cable	16,185.000 LF	_____.____	_____.____
0362	655.0800 Loop Detector Wire	17,666.000 LF	_____.____	_____.____
0364	655.0900 Traffic Signal EVP Detector Cable	4,900.000 LF	_____.____	_____.____
0366	656.0200 Electrical Service Meter Breaker Pedestal (location) 001. CCTV-51-0230	LS	LUMP SUM	_____.____
0368	656.0200 Electrical Service Meter Breaker Pedestal (location) 301. CTH KR & CTH H	LS	LUMP SUM	_____.____
0370	656.0200 Electrical Service Meter Breaker Pedestal (location) 302. CTH H & Access FC6/Access E5A	LS	LUMP SUM	_____.____
0372	656.0200 Electrical Service Meter Breaker Pedestal (location) 303. CTH H & Braun Road	LS	LUMP SUM	_____.____
0374	656.0500 Electrical Service Breaker Disconnect Box (location) 002. CCTV-51-0230	LS	LUMP SUM	_____.____
0376	657.0100 Pedestal Bases	21.000 EACH	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0378	657.0255 Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	38.000 EACH	_____.____	_____.____
0380	657.0310 Poles Type 3	11.000 EACH	_____.____	_____.____
0382	657.0405 Traffic Signal Standards Aluminum 3.5-FT	1.000 EACH	_____.____	_____.____
0384	657.0420 Traffic Signal Standards Aluminum 13-FT	1.000 EACH	_____.____	_____.____
0386	657.0425 Traffic Signal Standards Aluminum 15-FT	16.000 EACH	_____.____	_____.____
0388	657.0430 Traffic Signal Standards Aluminum 10-FT	4.000 EACH	_____.____	_____.____
0390	657.0609 Luminaire Arms Single Member 4-Inch Clamp 6-FT	20.000 EACH	_____.____	_____.____
0392	658.0173 Traffic Signal Face 3S 12-Inch	43.000 EACH	_____.____	_____.____
0394	658.0174 Traffic Signal Face 4S 12-Inch	29.000 EACH	_____.____	_____.____
0396	658.0416 Pedestrian Signal Face 16-Inch	24.000 EACH	_____.____	_____.____
0398	658.0500 Pedestrian Push Buttons	33.000 EACH	_____.____	_____.____
0400	658.5069 Signal Mounting Hardware (location) 301. CTH KR & CTH H	LS	LUMP SUM	_____.____
0402	658.5069 Signal Mounting Hardware (location) 302. Access FC6/Access E5A	LS	LUMP SUM	_____.____
0404	658.5069 Signal Mounting Hardware (location) 303. CTH H & Braun Road	LS	LUMP SUM	_____.____
0406	659.1125 Luminaires Utility LED C	24.000 EACH	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0408	661.0200 Temporary Traffic Signals for Intersections (location) 301. CTH KR & CTH H	LS	LUMP SUM	_____.____
0410	661.0200 Temporary Traffic Signals for Intersections (location) 303. CTH H & Braun Road	LS	LUMP SUM	_____.____
0412	661.0300 Generators	2.000 DAY	_____.____	_____.____
0414	670.0100 Field System Integrator	LS	LUMP SUM	_____.____
0416	670.0100 Field System Integrator 301. CTH H Traffic Signals	LS	LUMP SUM	_____.____
0418	670.0200 ITS Documentation	LS	LUMP SUM	_____.____
0420	671.0122 Conduit HDPE 2-Duct 2-Inch	6,480.000 LF	_____.____	_____.____
0422	673.0105 Communication Vault Type 1	10.000 EACH	_____.____	_____.____
0424	673.0200 Tracer Wire Marker Posts	10.000 EACH	_____.____	_____.____
0426	673.0225.S Install Pole Mounted Cabinet	1.000 EACH	_____.____	_____.____
0428	677.0130 Install Camera Pole 30-FT	1.000 EACH	_____.____	_____.____
0430	677.0200 Install Camera Assembly	3.000 EACH	_____.____	_____.____
0432	678.0400 Fiber Optic Termination	6.000 EACH	_____.____	_____.____
0434	678.0600 Install Ethernet Switches	1.000 EACH	_____.____	_____.____
0436	690.0150 Sawing Asphalt	8,961.000 LF	_____.____	_____.____

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0438	715.0415 Incentive Strength Concrete Pavement	4,115.000 DOL	1.00000	4,115.00
0440	740.0440 Incentive IRI Ride	9,000.000 DOL	1.00000	9,000.00
0442	SPV.0035 Special 001. Roadway Embankment	134,931.000 CY	_____.____	_____.____
0444	SPV.0035 Special 002. EBS Excavation	24,250.000 CY	_____.____	_____.____
0446	SPV.0035 Special 003. EBS Backfill	24,250.000 CY	_____.____	_____.____
0448	SPV.0060 Special 002. Temporary Stone Ditch Checks	40.000 EACH	_____.____	_____.____
0450	SPV.0060 Special 003. Sand Bags	50.000 EACH	_____.____	_____.____
0452	SPV.0060 Special 004. Temporary Sediment Traps	6.000 EACH	_____.____	_____.____
0454	SPV.0060 Special 005. Erosion Control Filter Bags	5.000 EACH	_____.____	_____.____
0456	SPV.0060 Special 006. Connect Drain Tile	10.000 EACH	_____.____	_____.____
0458	SPV.0060 Special 007. Pond G Outlet Storm Sewer Structure	1.000 EACH	_____.____	_____.____
0460	SPV.0060 Special 008. Mobilization Emergency Pavement Repair	8.000 EACH	_____.____	_____.____
0462	SPV.0060 Special 010. Section Corner Monuments	2.000 EACH	_____.____	_____.____
0464	SPV.0060 Special 011. Manhole 9-FT Diameter	2.000 EACH	_____.____	_____.____
0466	SPV.0060 Special 013. Slip-In Check Valve for 30" Inside Diameter Pipe	1.000 EACH	_____.____	_____.____

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0468	SPV.0060 Special 014. Slip-In Check Valve for 36" Inside Diameter Pipe	1.000 EACH	_____.____	_____.____
0470	SPV.0060 Special 200. Install Wireless Modem	1.000 EACH	_____.____	_____.____
0472	SPV.0060 Special 201. Ground Rod	1.000 EACH	_____.____	_____.____
0474	SPV.0060 Special 309. Covering Traffic Signal Head	1.000 EACH	_____.____	_____.____
0476	SPV.0060 Special 309. Install Poles Type 9	7.000 EACH	_____.____	_____.____
0478	SPV.0060 Special 310. Install Poles Type 10	1.000 EACH	_____.____	_____.____
0484	SPV.0060 Special 325. Install Monotube Arms 25-FT	1.000 EACH	_____.____	_____.____
0486	SPV.0060 Special 330. Install Monotube Arms 30-FT	7.000 EACH	_____.____	_____.____
0488	SPV.0060 Special 340. Install Monotube Arms 40-FT	1.000 EACH	_____.____	_____.____
0490	SPV.0060 Special 345. Install Monotube Arms 45-FT	4.000 EACH	_____.____	_____.____
0492	SPV.0060 Special 360. Install Luminaire Arms Steel 15-FT	4.000 EACH	_____.____	_____.____
0494	SPV.0075 Special 001. Pavement Cleanup Project 3760-00-70	310.000 HRS	_____.____	_____.____
0496	SPV.0090 Special 001. Heavy Duty Silt Fence	310.000 LF	_____.____	_____.____
0498	SPV.0090 Special 002. Pipe Underdrain 6-Inch Special	905.000 LF	_____.____	_____.____

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0500	SPV.0090 Special 003. Marking Contrast Epoxy 4-Inch Special	7,774.000 LF	_____._____	_____._____
0502	SPV.0090 Special 004. Marking Contrast Epoxy 8-Inch Special	6,731.000 LF	_____._____	_____._____
0504	SPV.0105 Special 001. Survey Project	LS	LUMP SUM	_____._____
0506	SPV.0105 Special 002. ATC Thermal Backfill	LS	LUMP SUM	_____._____
0508	SPV.0105 Special 003. Control of Water Project 3760-00-70	LS	LUMP SUM	_____._____
0510	SPV.0105 Special 301. Transport and Install State Furnished Traffic Signal Cabinet CTH KR & CTH H	LS	LUMP SUM	_____._____
0512	SPV.0105 Special 302. Transport & Install State Furnished Traffic Signal Cabinet CTH H & FC6/E5A	LS	LUMP SUM	_____._____
0514	SPV.0105 Special 303. Transport and Install State Furnished Traffic Signal Cabinet CTH H & Braun	LS	LUMP SUM	_____._____
0516	SPV.0105 Special 304. Transport and Install State Furnished Radar Detection System CTH KR & CTH H	LS	LUMP SUM	_____._____
0518	SPV.0105 Special 305. Transport & Install State Furnished Radar Detection System CTH H & FC6/E5A	LS	LUMP SUM	_____._____
0520	SPV.0105 Special 306. Transport and Install State Furnished Radar Detection System CTH H & Braun	LS	LUMP SUM	_____._____
0522	SPV.0105 Special 307. Trnsprt & Ins. State Furn. EVP Detector Hds w/ Confirmation Beacons KR/H	LS	LUMP SUM	_____._____

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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0524	SPV.0105 Special 308. Trnsprt & Ins. State Furn. EVP Detector Hds w/ Confirmation Beacons FC6/E5A	LS	LUMP SUM	_____.____
0526	SPV.0105 Special 309. Trnsprt & Ins. State Furn. EVP Detector Hds w/ Confirmation Beacons H/Braun	LS	LUMP SUM	_____.____
0528	SPV.0105 Special 310. Transport Traffic Signal and Intersection Lighting Materials CTH KR & CTH H	LS	LUMP SUM	_____.____
0530	SPV.0105 Special 311. Transport Traffic Signal & Intersection Lighting Materials CTH H & FC6/E5A	LS	LUMP SUM	_____.____
0532	SPV.0105 Special 312. Transport Traffic Signal and Intersection Lighting Materials CTH H & Braun	LS	LUMP SUM	_____.____
0534	SPV.0105 Special 313. Temporary EVP System CTH KR & CTH H	LS	LUMP SUM	_____.____
0536	SPV.0105 Special 315. Temporary EVP System CTH H & Braun Road	LS	LUMP SUM	_____.____
0538	SPV.0105 Special 316. Temporary Radar/Microwave Vehicle Detection System CTH KR & CTH H	LS	LUMP SUM	_____.____
0540	SPV.0105 Special 318. Temporary Radar/Microwave Vehicle Detection System CTH H & Braun Road	LS	LUMP SUM	_____.____
0542	SPV.0170 Special 001. Removal and Disposal of Invasive Plant Species	5.000 STA	_____.____	_____.____
0544	SPV.0180 Special 001. Topsoil Special	136,854.000 SY	_____.____	_____.____
0546	415.1100 Concrete Pavement HES 10-Inch	5,488.000 SY	_____.____	_____.____

Proposal ID: 20190115016 Project(s): 3760-00-70

Federal ID(s): N/A

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0548	611.0430 Reconstructing Inlets	8.000 EACH	_____._____	_____._____
0550	611.8110 Adjusting Manhole Covers	1.000 EACH	_____._____	_____._____
0552	SPV.0060 Special 302. Concrete Bases Type 10 Special	5.000 EACH	_____._____	_____._____
0554	SPV.0060 Special 314. Install Poles Type 9S	3.000 EACH	_____._____	_____._____
0556	SPV.0060 Special 315. Install Poles Type 10S	2.000 EACH	_____._____	_____._____

Section: 0001 Total: _____._____

Total Bid: _____._____