Wisconsin Department of Transportation

Division of Transportation Systems Development
Bureau of Project Development
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November 9, 2017

NOTICE TO ALL CONTRACTORS:

Proposal #22: 1022-08-72, WISC 2017 518
Hudson - Menomonie
250th Str to Wilson Creek
IH 94
Dunn County

Letting of November 14, 2017

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

Special Provisions:

Revised Special Provisions	
Article No.	Description
4	Traffic

Added Special Provisions	
Article No.	Description
44	Notice to Contractors – Other Contracts

Schedule of Items:

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
643.0200.S	Traffic Control Surveillance and Maintenance (1022-08-72)	DAY	434	24	458
643.0300	Traffic Control Drums	DAY	77,964	104,199	182,163
643.0420	Traffic Control Barricades Type III	DAY	9,602	6,077	15,679
643.0705	Traffic Control Warning Lights Type A	DAY	12,548	12,042	24,590
643.0715	Traffic Control Warning Lights Type C	DAY	9,358	5,584	14,942
643.0800	Traffic Control Arrow Boards	DAY	200	600	800
643.0900	Traffic Control Signs	DAY	37,600	11,001	48,601
643.1051	Traffic Control Signs PCMS with Cellular Communications	DAY	1,736	496	2,232

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
450.4000	HMA Cold Weather Paving	TON	0	10,310	10,310

Deleted Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
643.1000	Traffic Control Signs Fixed Message	SF	180	-180	0

Plan Sheets:

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
51	Traffic Control – Advanced Signing (removed the Traffic Control Signs Fixed Message, substituted an existing Dynamic Message Sign for the first EB PCMS, added a location for the second EB PCMS)
52	Traffic Control – Advanced Signing (removed the Traffic Control Signs Fixed Message, added a location for the first WB PCMS, substituted an existing Dynamic Message Sign for the second WB PCMS, added two PCMS's on STH 25)
175	Miscellaneous Quantities (Traffic Control Items – deleted Traffic Control Signs Fixed Message, added additional quantities to all other items in the table to reflect revised durations of the various stages and an increased number of Temp Lane Closures)

Added Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of why sheet was added)
53A	Traffic Control Details (Lane Shift for IH 94 Traffic During Temporary Lane Closures)
53B	Traffic Control Details (Traffic Control Detail for Construction Access to IH 94)
151A	Miscellaneous Quantities (added table for HMA Cold Weather Paving)
307A	Standard Detail Drawing: Traffic Control, Work on Shoulder or Parking Lane, Undivided Roadway
310A	Standard Detail Drawing: Traffic Control for Drop—off Signing

Deleted Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of why sheet was deleted)
341	Temporary Signing (deleted the bid item Traffic Control Signs Fixed Message)

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

1022-08-72

November 9, 2017

Special Provisions

4. Traffic.

Replace entire article language with the following:

Coordinate all operations and traffic control as necessary between the various stages of work under this contract.

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.
stsp-108-057 (20161130)

All lane and shoulder closures, including durations of these closures, are subject to the approval of the engineer based on operational needs and safety. Notify the engineer if there are any changes in the schedule, early completions, or cancellations of scheduled work.

Temporary Regulatory Speed Limit Reduction
Establish a statutory 60 mph speed limit zone for Interstate 94 whenever a lane is closed to traffic, whenever traffic is shifted onto the shoulder, or when traffic is on temporary median roadway or temporary widening with reduced shoulder width. Reestablish a 70 mph speed limit zone whenever traffic is opened up to two lanes of traffic in each direction driving on the existing or proposed traffic lanes, and between Stages 3 and 4, when work is suspended over winter. See the description of each stage later in this article for more information regarding speed limits. Coordinate these statutory speed limit zones with the Department of Transportation, NW Region Traffic Section.

During engineer-approved regulatory speed limit reductions, install temporary speed limit signs on the inside and outside shoulders of divided roadways to enhance visibility. On two lane two way roadways, install temporary speed limit signs on shoulders. When construction activities impede the location of a post-mounted regulatory speed limit sign, relocate the sign for maximum visibility to motorists. If work last less than 7 days, mount the regulatory speed limit sign on a portable sign support.

Post temporary regulatory speed limit signs in work zone only during continuous worker activity. During periods of no work activity or when the traffic controls are removed from the roadway, cover or remove the temporary speed limit signs.

Coordinate with Regional Traffic Section to identify the construction stages that have approved temporary regulatory speed zones documented in a Temporary Speed Zone Declaration. Contact Chad Hines, phone number: (715) 836-7276, secondary contact number: (715) 577-3698.

Contact the Region Traffic Section at least 14-calendar days before installing the temporary speed zone. After installation of the temporary speed zone is complete, notify the Regional Traffic Section with the field location(s) of the temporary speed zone.
stp-643-012 (20160607)

Coordinate the location of traffic control devices for Over-Winter Suspension with the engineer and Dunn County Highway Department at least one month prior to the installation of these devices. The contact for the Dunn County Highway Department is Brent Miller, Patrol Superintendent at (715) 232-2181.

Have available at all times experienced personnel to promptly install, remove and reinstall the required traffic control devices to route traffic in order to perform the necessary construction operations. Provide the engineer with a list for 24-hour contacts. The engineer will be responsible for distributing the contact list.

Provide 24 hours-a-day availability of equipment and forces to expeditiously restore lights, signs, or other traffic control devices that are damaged or disturbed. The cost to maintain and restore the above items shall be considered incidental to the item as bid and no additional payment will be made therefore.

For incident management and coordinating portable changeable message sign communications system testing, contact Northwest Region State Highway Patrol, Sgt. Kirk Danielson, at (608) 377-3411, or PCS Denice Staff, at (715) 839-3800, ext. 6010. Contact the State Patrol two weeks prior to the first lane closure.

Coordinate all Interstate 94 traffic switches and roadway closures with the Wisconsin State Patrol. Costs for Wisconsin State Patrol services associated with Interstate 94 traffic switches and lane closure setup or take down will be the responsibility of the department. Costs for any additional Wisconsin State Patrol services that are requested by the contractor will be the contractor's responsibility.

Portable changeable message signs provided under this contract will be used for incident management or as required by the engineer, and are to be operated by the Wisconsin State Highway Patrol and the State Traffic Operations Center. Place portable changeable message signs at the specified locations shown on the plans at least one week prior to construction.

Conduct work operations in a manner that causes the least disruption to traffic movements on Interstate 94 and all interchanges and crossroads within the project limits. Do not directly cross the live lanes of Interstate 94 with any vehicle or piece of construction equipment. Do not haul across, unload materials from, stop in, or otherwise interfere with traffic on any portion of Interstate 94. All access to Interstate 94 by construction equipment shall be approved by the engineer.

For any specific work area within the project limits, do not perform work in the median concurrently with work in the outside lane or outside shoulder of Interstate 94 with traffic running in-between the work areas.

Provide the engineer with a hauling plan prior to the preconstruction conference. Include the proposed locations of points of entry and traffic control to be used. Obtain approval from the engineer for all arrangements for handling traffic during construction operations.

Flagging operations will not be permitted on Interstate 94.

Do not use maintenance crossings connecting eastbound and westbound roadways of Interstate 94 during construction operations unless the median lanes are closed to traffic. The contractor is responsible for maintaining and restoring all maintenance crossings to their original condition upon completion of this contract.

Construction traffic cannot travel counter-directional adjacent to Interstate 94 traffic except for removal of traffic control devices for lane opening operations.

Equip all construction vehicles and equipment entering or leaving live traffic lanes with a hazard identification beam (flashing yellow signal). The beam shall be activated when merging into or exiting a live traffic lane.

Cover completely any conflicting signs in the project area.

Do not disturb, remove or obliterate any traffic control signs, advisory signs, shoulder delineators or beam guard in place without the approval of the engineer. Replace or repair all damage done to the above, caused by construction operations, at contractor expense.

Prior to opening lane closures to traffic, place temporary or permanent pavement marking, including all lane lines and edge lines removed during previous construction stages.

Do not park or store any equipment, vehicles, or construction materials within 30 feet of the edge of live lanes carrying Interstate 94 traffic or within 100 feet of mainline crossovers unless protected by concrete barrier. In the event of an emergency, protect any equipment, vehicles, or construction materials which remain within 30 feet of the edge of a traffic lane during non-working hours with temporary roadside barrier in accordance with the standard specifications and meeting the requirements of the AASHTO Roadside Design Guide.

Equip vehicles with a tailgate and adequate sideboards when hauling material subject to spillage on all roadways. Use covers and/or other protective devices to prevent spillage as directed by the engineer. Immediately clean up any debris or spillage that falls onto live traffic lanes or shoulders.

Temporary Single-Lane Closures on Interstate 94

Project staging requires roadside work within six feet of the outside edge of shoulders on Interstate 94. These encroachments require a temporary single-lane closure of the Interstate 94 lane closest to construction activities, unless temporary precast concrete barrier is in place to shield the work zone. Single-lane closures during freeway peak hours, as defined below, are subject to a fee as defined in the separate article titled Lane Rental Fee Assessment.

Temporary single-lane closures will not be permitted during freeway peak hours as defined in the following tables:

Freeway Peak Hours for EB Interstate 94				
	April	**May**	**Memorial Day to Labor Day**	**Labor Day to Winter Shutdown**
Monday		10am-5pm	9am-6pm	10am-5pm
Tuesday		2pm-5pm	10am-6pm	3pm-5pm
Wednesday		2pm - 5pm	10am-5pm	3pm-5pm
Thursday	2pm-5pm	10am-6pm	9am-7pm	10am-6pm
Friday	9am-8pm	9am-8pm	8am-8pm	9am-8pm
Saturday		8am-3pm	8am-5pm	9am-2pm
Sunday	9am-7pm	10am-6pm	9am-7pm	10am-7pm

Freeway Peak Hours for WB Interstate 94				
	April	**May**	**Memorial Day to Labor Day**	**Labor Day to Winter Shutdown**
Monday		12pm-6pm	11am-6pm	2pm-5pm
Tuesday		2pm-6pm	12pm-6pm	2pm-5pm
Wednesday		2pm-6pm	12pm-6pm	2pm-5pm
Thursday	2pm - 6pm	2pm-6pm	12pm-6pm	2pm-6pm
Friday	12pm-7pm	11am-8pm	10am-8pm	11am-8pm
Saturday		9am-5pm	9am-6pm	10am-5pm
Sunday	11am-8pm	10am-8pm	10am-9pm	10am-8pm

Stage 1
During off-peak hours, close the outside lane of westbound Interstate 94 as necessary to complete the outside temporary widening and Temporary Structure Sta. 885+75.00 according to the plans. Also during off-peak hours, close the median lane of eastbound Interstate 94 as necessary to complete the widening adjacent to the eastbound lanes required for Stage 2 crossovers. Reduce the statutory speed limit to 60 mph during lane closures and reestablish a 70 mph speed limit when two lanes of traffic are open for each direction of Interstate 94.

Stage 2
During off-peak hours, close the outside lane of Interstate 94 for each direction as necessary to complete the mill & resurface of the outside shoulders to provide for temporary traffic lanes as shown in the plans. Also during off-peak hours, use temporary single-lane closures for each direction of Interstate 94 to remove existing pavement markings, place temporary pavement markings, construct temporary crash cushions, and place temporary precast concrete barrier according to the plans.

Provide four lanes of Interstate 94 traffic during peak hours using temporary roadways according to plans for Stage 2G and complete construction of the temporary median widening, temporary median roadway, and temporary structures in the median required for Stage 3. Off-peak lane closures are

allowed for each direction of Interstate 94 to provide construction access to the median during Stage 2G using the existing maintenance crossover locations.

Reduce the westbound Interstate 94 statutory speed limit to 60 mph for the duration of Stage 2, whenever a lane is closed or when traffic is running on temporary lanes with reduced shoulder width. Reduce the eastbound Interstate 94 statutory speed limit to 60 mph during lane closures and reestablish a 70 mph speed limit when two lanes of traffic are open during peak hours.

Stage 3
Provide four lanes of Interstate 94 traffic. Westbound traffic will use a combination of existing lanes, temporary lanes shifted onto the outside shoulder, temporary outside widening, and the Temporary Structure Sta. 885+75.00. Eastbound traffic will utilize the temporary median roadway, temporary widening, and temporary structures constructed during Stage 2. Close the existing eastbound Interstate 94 roadway as shown in the plans. Off-peak lane closures are allowed for construction access using the existing maintenance crossover locations during Stage 3. Reduce the statutory speed limit to 60 mph for the duration of Stage 3.

When Stage 3 is complete, shift two lanes of eastbound Interstate 94 traffic onto new eastbound lanes and structures. Shift two lanes of westbound Interstate 94 traffic onto existing westbound lanes and structures. Reestablish a 70 mph speed limit when two lanes of traffic in each direction are open during peak hours. Provide temporary precast concrete barrier along the median shoulder in each direction according to the plans to protect the unfinished Interstate 94 median during over-winter suspension of work.

Stage 4
During off-peak hours, use temporary single-lane closures for each direction of Interstate 94 to remove existing pavement markings, place temporary pavement markings, construct temporary crash cushions, and place temporary precast concrete barrier according to the plans.

Provide four lanes of Interstate 94 traffic during peak hours using temporary roadways and lane shifts according to plans for Stage 4C and complete construction of the temporary median widening and temporary median roadway required for Stage 5. Off-peak lane closures are allowed for each direction of Interstate 94 to provide construction access to the median during Stage 4C using the existing maintenance crossover locations.

Reduce the eastbound Interstate 94 statutory speed limit to 60 mph for the duration of Stage 4, whenever a lane is closed or when traffic is running on temporary lanes with reduced shoulder width. Reduce the westbound Interstate 94 statutory speed limit to 60 mph during lane closures and reestablish a 70 mph speed limit when two lanes of traffic are open during peak hours.

Stage 5
Provide four lanes of Interstate 94 traffic. Eastbound traffic will use a combination of newly constructed lanes, temporary lanes shifted onto the outside shoulder, and new eastbound structures. Westbound traffic will utilize the temporary median roadway, temporary widening, and temporary structures constructed during Stage 2 and Stage 4. Close the existing westbound Interstate 94 roadway as shown in the plans. Off-peak lane closures are allowed for construction access using the existing maintenance crossover locations during Stage 5. Reduce the statutory speed limit to 60 mph for the duration of Stage 5.

Stage 6
During off-peak hours, use temporary single-lane closures for eastbound Interstate 94 to remove existing pavement markings, place temporary pavement markings, construct temporary crash cushions, and place temporary precast concrete barrier according to the plans. Provide four lanes of Interstate 94 traffic during peak hours according to plans for Stage 6C in order to construct the finished Interstate 94 median, including removal of all temporary roadways, temporary widening, and temporary structures in the median. Off-peak lane closures are allowed for each direction of Interstate 94 to

provide construction access to the median during Stage 6 using the existing maintenance crossover locations.
During off-peak hours, use temporary single-lane closures for each direction of Interstate 94 to remove temporary pavement markings, place permanent pavement markings, and remove temporary precast concrete barrier according to the plans.

Reduce the eastbound and westbound Interstate 94 statutory speed limit to 60 mph for the duration of Stage 6, whenever a lane is closed or when traffic is running on temporary lanes with reduced shoulder width. Reestablish a 70 mph speed limit for each direction of Interstate 94 when two lanes of traffic are running on finished lanes during peak hours.

44. Notice to Contractor – Other Contracts.

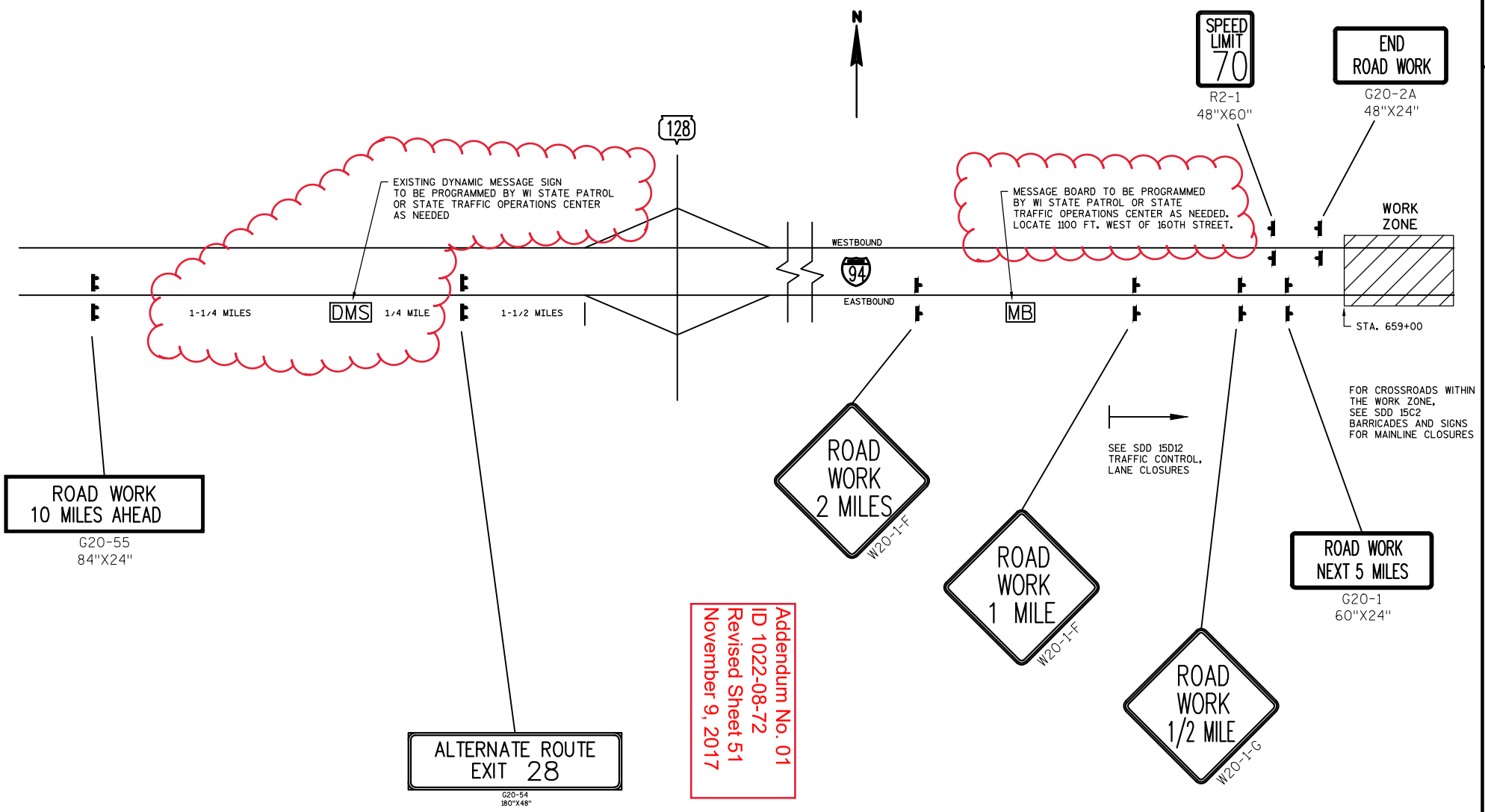
Other projects may be under construction concurrently with the work under this contract. Projects may include department or other local projects. Coordinate trucking activities, work zone traffic control, roadway and lane closures, and other work items as required with other projects.

Project 7996-00-06, City of Menomonie, Union Pacific Railroad Bridge over IH 94, IH 94, Dunn County, Wisconsin is proposed for construction in 2018 under a local let contract. Work under this contract may occur during this other project which is anticipated to last approximately one week in the spring of 2018. Contact Randy Eide at the City of Menomonie, (715) 232-2207, for more information. Lane closures on IH 94 are planned.

Project 1022-07-76, Hudson – Menomonie, STH 128 to 250th Street (EB & WB), IH 94, St. Croix County and Dunn County, Wisconsin is proposed for construction in 2019 and 2020 under a department contract. Work under this contract is scheduled to occur concurrently with this other project during the 2019 construction season. Lane closures on IH 94 are planned.

Schedule of Items
Attached, dated November 9, 2017, are the revised Schedule of Items Pages 12 – 16.
Plan Sheets
The following 8½ x 11-inch sheets are attached and made part of the plans for this proposal:
Revised: 51, 52, and 175.
Added: 53A, 53B, 151A, 307A, and 310A.
Deleted: 341.

END OF ADDENDUM



PROJECT NO: 1022-08-72	HWY: IH 94	COUNTY: DUNN	PLAN: TRAFFIC CONTROL - ADVANCED SIGNING	SHEET 51	E

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PLOT NAME :
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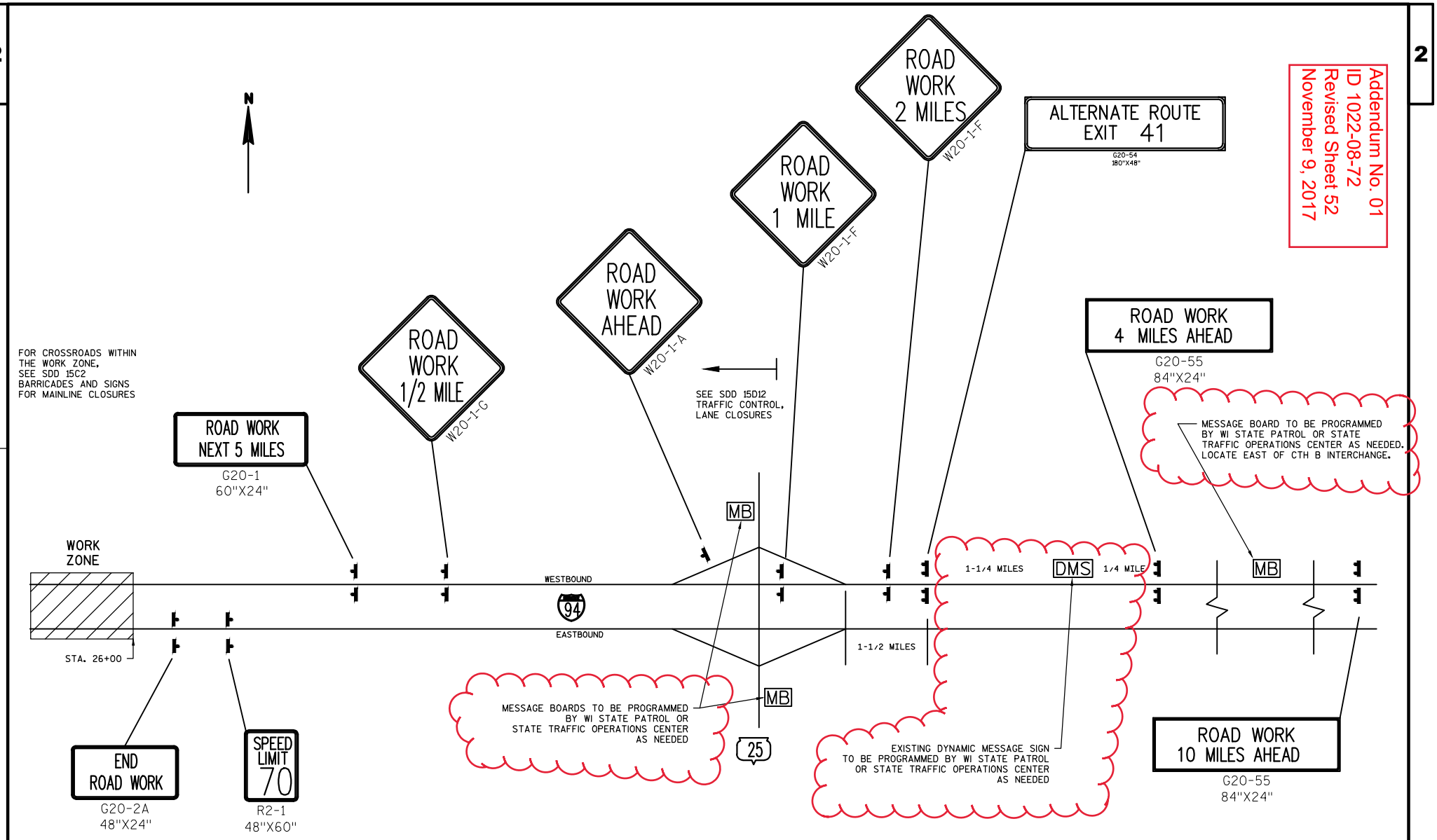
WISDOT/CADDS SHEET 42

Addendum No. 01
ID 1022-08-72
Revised Sheet 52
November 9, 2017



PROJECT NO: 1022-08-72	HWY: IH 94	COUNTY: DUNN	PLAN: TRAFFIC CONTROL - ADVANCED SIGNING	SHEET 52	E

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PLOT BY : ANDERSON, THOMAS R
PLOT NAME :
PLOT SCALE : 1 IN:10 FT_1

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL SIGN
- TRAFFIC CONTROL DRUM
- DIRECTION OF TRAFFIC
- WORK AREA

GENERAL NOTES

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

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

THIS LANE CLOSURE IS TYPICAL FOR SHIFTING RIGHT LANE – REVERSE FOR SHIFTING LEFT LANE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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

CONSIDER GEOMETRICS WHEN LOCATING SIGNS SO THE DRIVER HAS A CLEAR VIEW OF THE LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

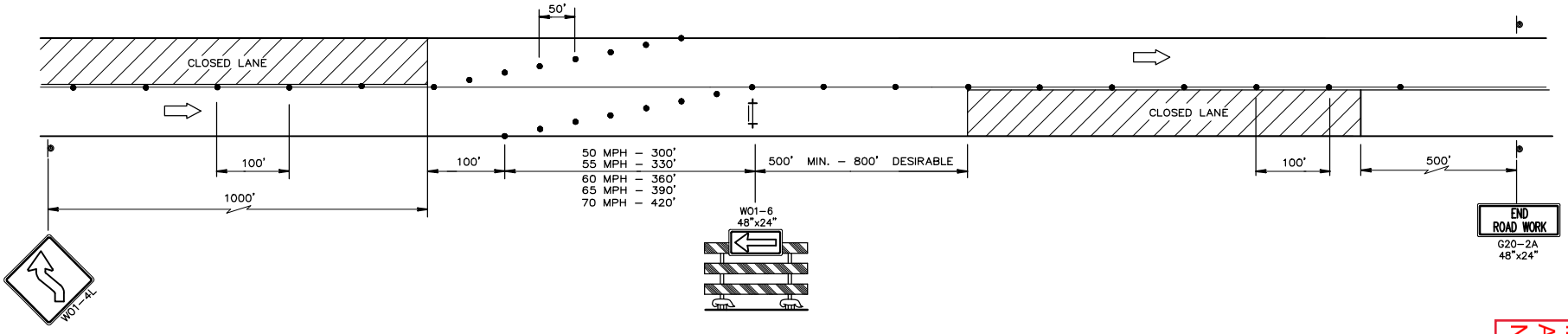
FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

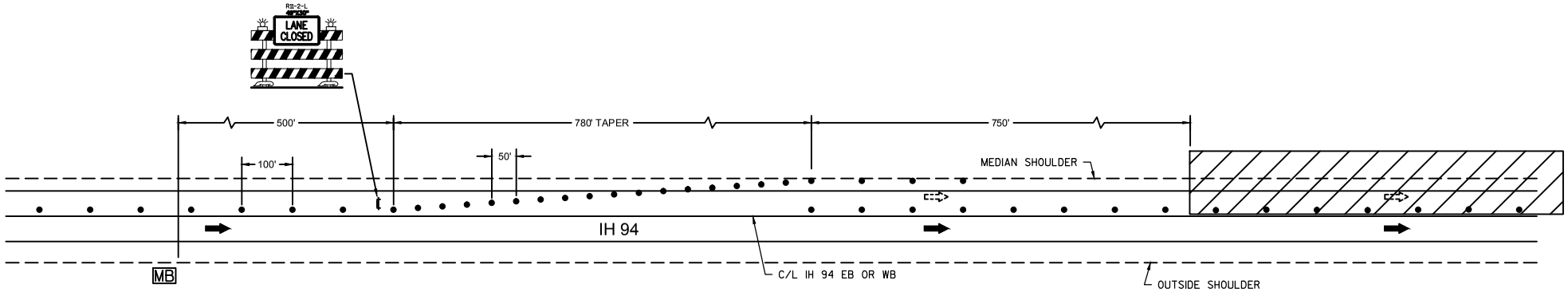
SEE OTHER TRAFFIC CONTROL DETAILS AND STANDARD DETAIL DRAWINGS FOR TEMPORARY LANE CLOSURE DETAILS.



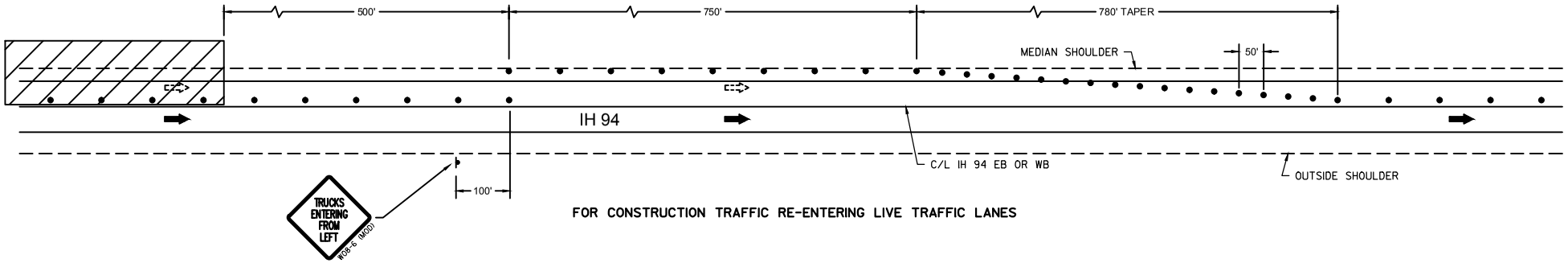
LANE SHIFT FOR IH 94 TRAFFIC DURING TEMPORARY LANE CLOSURES

Addendum No. 01
ID 1022-08-72
Added Sheet 53A
November 9, 2017

PROJECT NO: 1022-08-72	HWY: IH 94	COUNTY: DUNN	PLAN: TRAFFIC CONTROL DETAILS	SHEET 53A	E



FOR CONSTRUCTION TRAFFIC EXITING LIVE TRAFFIC LANES



FOR CONSTRUCTION TRAFFIC RE-ENTERING LIVE TRAFFIC LANES

NOTES:

SPACING AND LOCATIONS OF TRAFFIC CONTROL DEVICES ARE SUBJECT TO REVIEW AND APPROVAL BY THE ENGINEER IN THE FIELD.

SEE OTHER TRAFFIC CONTROL DETAILS AND STANDARD DETAIL DRAWINGS FOR LANE CLOSURE DETAILS.

PORTABLE CHANGEABLE MESSAGES SHOULD READ:

FRAME 1	FRAME 2
TRUCKS EXITING LEFT	TRAFFIC STAY RIGHT

TRAFFIC CONTROL DETAIL FOR CONSTRUCTIOIN ACCESS TO IH 94

Addendum No. 01
ID 1022-08-72
Added Sheet 53B
November 9, 2017

LEGEND

- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL SIGN
- TYPE A WARNING LIGHT (FLASHING)
- IH 94 TRAFFIC
- CONSTRUCTION TRAFFIC
- WORK AREA
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1022-08-72	HWY: IH 94	COUNTY: DUNN	PLAN: TRAFFIC CONTROL DETAILS	SHEET 53B	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220872\ADDENDUM1\ADDENDUM1_025021_TC_ADVANCED_SIGNING.DWG
025021_TC - 03
PLOT DATE : 11/6/2017 10:24 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

3

3

HMA COLD WEATHER PAVING

450.4000

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	TON	REMARKS
0010	1-B	872+50	-	898+25	WB IH 94, LT	700	TEMPORARY WIDENING
0010	2-A	666+00	-	23+15	, LT	1150	OUTSIDE SHOULDER
0010	2-A	660+00	-	23+35	, RT	300	OUTSIDE SHOULDER
0010	3	685+00	-	18+20	, RT	2000	OUTSIDE SHOULDER
0010	3	685+00	-	23+35	, LT	650	INSIDE SHOULDER
0010	4-C	672+64	-	692+0	, RT	450	TEMP MEDIAN RDWY
0010	4-C	753+96	-	23+00	, LT	3900	TEMP MEDIAN RDWY
0010	6-C	685+00	-	23+00	WB IH 94, RT	810	INSIDE SHOULDER
0010	6-C	753+96	-	816+19	EB IH 94, LT	350	INSIDE SHOULDER
					TOTAL 0010	10310	

Addendum No. 01
ID 1022-08-72
Added Sheet 53A
November 9, 2017

Addendum No. 01
ID 1022-08-72
Added Sheet 151A
November 9, 2017

3

TRAFFIC CONTROL ITEMS

CATEGORY	STAGE	DAYS	TRAFFIC CONTROL SURVEILLANCE AND MAINTENANCE (1022-08-72) 643.0200.S DAY	TRAFFIC CONTROL DRUMS 643.0300 DAY	TRAFFIC CONTROL BARRICADES TYPE III 643.0420 DAY	TRAFFIC CONTROL WARNING LIGHTS TYPE A 643.0705 DAY	TRAFFIC CONTROL WARNING LIGHTS TYPE C 643.0715 DAY	TRAFFIC CONTROL ARROW BOARDS 643.0800 DAY	TRAFFIC CONTROL SIGNS 643.0900 DAY	TRAFFIC CONTROL SIGNS PCMS WITH CELLULAR COMMUNICATIONS 643.1051 DAY
0010	1	40	40	2000	---	---	---	---	160	---
0010	2	63	63	5985	---	---	---	---	1512	---
0010	3	126	126	14868	1386	756	3276	---	5922	---
0010	4	40	40	2880	---	---	400	---	1040	---
0010	5	119	119	10710	1309	714	2856	---	5593	---
0010	6	70	70	4760	---	---	1610	---	2100	---
0010	ADVANCED SIGNING	458	---	---	---	---	---	---	14198	1832
0010	* EB TEMP LANE CLOSURES	200	---	66000	4000	8000	3400	400	6000	200
0010	* WB TEMP LANE CLOSURES	200	---	66000	4000	8000	3400	400	6000	200
0010	250th ST	112	---	2240	1568	2240	---	---	1792	---
0010	CTH K	112	---	2240	1568	2240	---	---	1792	---
0010	650th AVE	112	---	2240	1568	2240	---	---	1792	---
0010	390th ST	112/20	---	2240	280	400	---	---	700	---
	TOTAL 0010		458	182163	15679	24590	14942	800	48601	2232

*NOTE: TEMPORARY LANE CLOSURES PERMITTED IN EACH STAGE DURING OFF-PEAK HOURS.

Addendum No. 01
ID 1022-08-72
Revised Sheet 175
November 9, 2017

GENERAL NOTES

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

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY DISTRICT TRAFFIC UNIT.

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

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

W20-1A AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.

CHANNELIZING DEVICES PLACED ADJACENT TO THE WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

TABLE A

S \ W	4	6	8	10	BUFFER SPACE (FEET)
	SHOULDER TAPER LENGTH (FEET)				
30	20	30	40	50	200
35	30	45	55	70	250
40	40	55	75	90	305
45	60	90	120	150	360
50	70	100	135	170	425
55	75	110	150	185	495

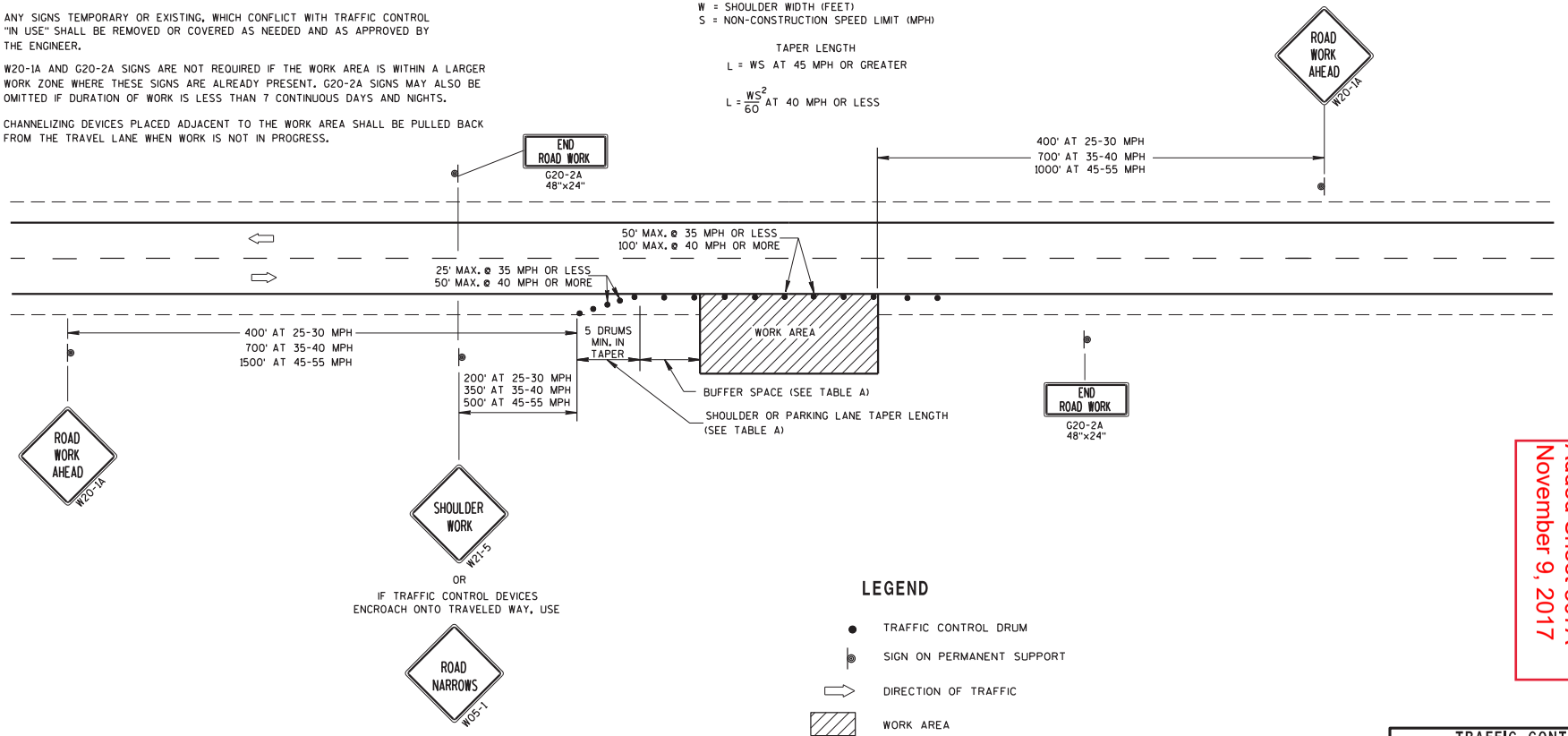
SHOULDER TAPER LENGTH = $\frac{1}{3}L$

W = SHOULDER WIDTH (FEET)
S = NON-CONSTRUCTION SPEED LIMIT (MPH)

TAPER LENGTH

L = WS AT 45 MPH OR GREATER

$L = \frac{WS^2}{60}$ AT 40 MPH OR LESS



LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA

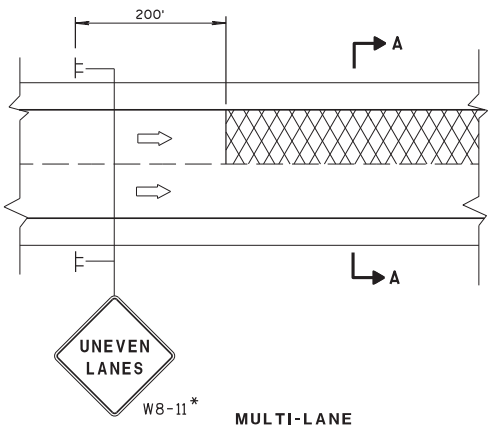
Addendum No. 01
ID 1022-08-72
Added Sheet 307A
November 9, 2017

TRAFFIC CONTROL,
WORK ON SHOULDER OR
PARKING LANE,
UNDIVIDED ROADWAY

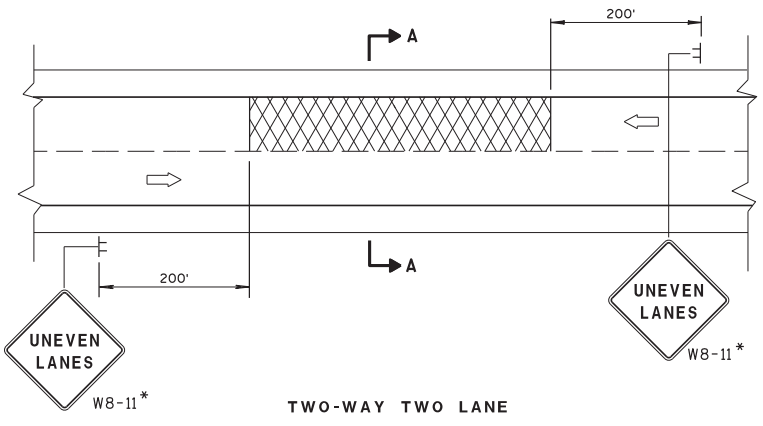
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 14, 2015
DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA

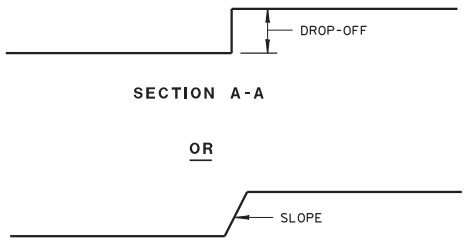
6
S.D.D. 15 D 28-3

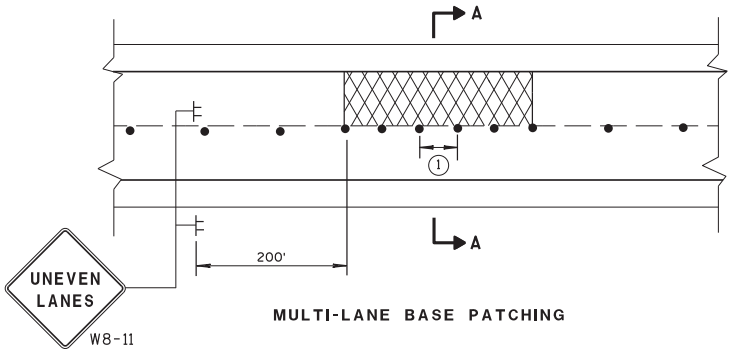


MULTI-LANE



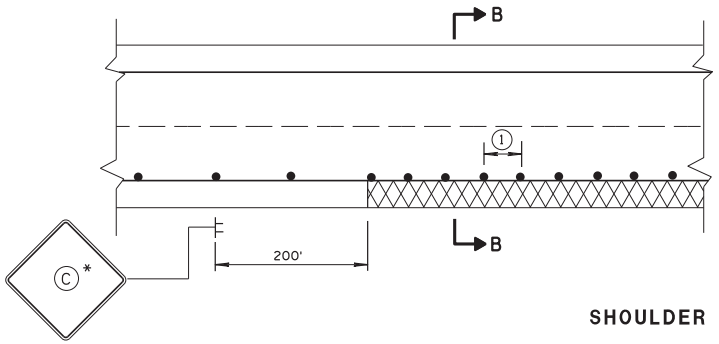
TWO-WAY TWO LANE

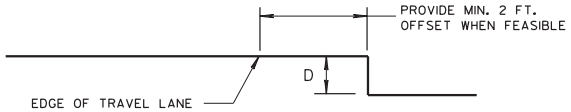




MULTI-LANE BASE PATCHING

ADJACENT LANE DROP-OFFS





SECTION B-B

SHOULDER DROP-OFFS

GENERAL NOTES

FOR SPOT LOCATIONS USE ENGINEERING JUDGEMENT WHEN PLACING ADDITIONAL SIGNS.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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

* IF THE DROP-OFF IS CONTINUOUS ALONG THE PROJECT, PLACE ADDITIONAL SIGNS EVERY ½ MILE.

(1) USE CLOSER SPACING WHEN DELINEATING DROP-OFF.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- DIRECTION OF TRAFFIC
- WORK AREA WITH DROP-OFF

D	SIGN (C)
< 2" WITH A SLOPE STEEPER THAN 3:1	LOW SHOULDER W08-9
2" < 6" WITH A SLOPE STEEPER THAN 3:1	SHOULDER DROP-OFF W8-9A PROVIDE A 3:1 OR FLATTER SLOPE OF MATERIAL ADJACENT TO THE PAVEMENT

Addendum No. 01
ID 1022-08-72
Added Sheet 310A
November 9, 2017

TRAFFIC CONTROL, DROP-OFF SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — DATE
/S/ Andrew Heldtke — WORK ZONE ENGINEER
FHWA

6

S.D.D. 15 D 39-1

Proposal ID: 20171114022 Project(s): 1022-08-72

Federal ID(s): WISC 2017518

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0330	636.0100 Sign Supports Concrete Masonry	3.200 CY	_____.____	_____.____
0332	636.0500 Sign Supports Steel Reinforcement	196.000 LB	_____.____	_____.____
0334	637.1220 Signs Type I Reflective SH	599.500 SF	_____.____	_____.____
0336	637.2210 Signs Type II Reflective H	154.000 SF	_____.____	_____.____
0338	638.2601 Removing Signs Type I	5.000 EACH	_____.____	_____.____
0340	638.2602 Removing Signs Type II	35.000 EACH	_____.____	_____.____
0342	638.3000 Removing Small Sign Supports	35.000 EACH	_____.____	_____.____
0344	638.3100 Removing Structural Steel Sign Supports	2.000 EACH	_____.____	_____.____
0346	642.5201 Field Office Type C	1.000 EACH	_____.____	_____.____
0348	643.0200.S Traffic Control Surveillance and Maintenance (project) 01. 1022-08-72	458.000 DAY	_____.____	_____.____
0350	643.0300 Traffic Control Drums	182,163.000 DAY	_____.____	_____.____
0352	643.0420 Traffic Control Barricades Type III	15,679.000 DAY	_____.____	_____.____
0354	643.0705 Traffic Control Warning Lights Type A	24,590.000 DAY	_____.____	_____.____
0356	643.0715 Traffic Control Warning Lights Type C	14,942.000 DAY	_____.____	_____.____
0358	643.0800 Traffic Control Arrow Boards	800.000 DAY	_____.____	_____.____
0360	643.0900 Traffic Control Signs	48,601.000 DAY	_____.____	_____.____

Proposal ID: 20171114022 Project(s): 1022-08-72

Federal ID(s): WISC 2017518

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0364	643.1051 Traffic Control Signs PCMS with Cellular Communications	2,232.000 DAY	_____.____	_____.____
0366	645.0111 Geotextile Type DF Schedule A	1,184.000 SY	_____.____	_____.____
0368	645.0112 Geotextile Type DF Schedule B	3,730.000 SY	_____.____	_____.____
0370	645.0120 Geotextile Type HR	4,048.000 SY	_____.____	_____.____
0372	645.0130 Geotextile Type R	182.000 SY	_____.____	_____.____
0374	645.0220 Geogrid Type SR	6,450.000 SY	_____.____	_____.____
0376	646.0600 Removing Pavement Markings	72,723.000 LF	_____.____	_____.____
0378	646.0841.S Pavement Marking Grooved Wet Reflective Contrast Tape 4-Inch	13,550.000 LF	_____.____	_____.____
0380	646.0900.S Pavement Marking Late Season	88,464.000 LF	_____.____	_____.____
0382	646.2304.S Pavement Marking Grooved Wet Reflective Epoxy 4-Inch	106,600.000 LF	_____.____	_____.____
0384	647.0803 Pavement Marking Aerial Enforcement Bars Epoxy 24-Inch	96.000 LF	_____.____	_____.____
0386	649.0400 Temporary Pavement Marking Removable Tape 4-Inch	131,466.000 LF	_____.____	_____.____
0388	649.0402 Temporary Pavement Marking Paint 4-Inch	142,452.000 LF	_____.____	_____.____
0390	649.2100 Temporary Raised Pavement Markers Type I	237.000 EACH	_____.____	_____.____
0392	650.4000 Construction Staking Storm Sewer	93.000 EACH	_____.____	_____.____

Proposal ID: 20171114022 Project(s): 1022-08-72

Federal ID(s): WISC 2017518

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0394	650.4500 Construction Staking Subgrade	90,787.000 LF	_____.____	_____.____
0396	650.5000 Construction Staking Base	44,902.000 LF	_____.____	_____.____
0398	650.6500 Construction Staking Structure Layout (structure) 01. B-17-218	LS	LUMP SUM	_____.____
0400	650.6500 Construction Staking Structure Layout (structure) 02. B-17-217	LS	LUMP SUM	_____.____
0402	650.6500 Construction Staking Structure Layout (structure) 03. B-17-220	LS	LUMP SUM	_____.____
0404	650.6500 Construction Staking Structure Layout (structure) 04. B-17-219	LS	LUMP SUM	_____.____
0406	650.6500 Construction Staking Structure Layout (structure) 05. B-17-222	LS	LUMP SUM	_____.____
0408	650.6500 Construction Staking Structure Layout (structure) 06. B-17-221	LS	LUMP SUM	_____.____
0410	650.6500 Construction Staking Structure Layout (structure) 07. B-17-224	LS	LUMP SUM	_____.____
0412	650.6500 Construction Staking Structure Layout (structure) 08. B-17-223	LS	LUMP SUM	_____.____
0414	650.7000 Construction Staking Concrete Pavement	45,885.000 LF	_____.____	_____.____
0416	650.9910 Construction Staking Supplemental Control (project) 01. 1022-08-72	LS	LUMP SUM	_____.____
0418	650.9920 Construction Staking Slope Stakes	90,787.000 LF	_____.____	_____.____
0420	690.0150 Sawing Asphalt	24,890.000 LF	_____.____	_____.____

Proposal ID: 20171114022 Project(s): 1022-08-72

Federal ID(s): WISC 2017518

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0422	690.0250 Sawing Concrete	1,757.000 LF	_____._____	_____._____
0424	715.0415 Incentive Strength Concrete Pavement	40,032.000 DOL	1.00000	40,032.00
0426	715.0502 Incentive Strength Concrete Structures	48,006.000 DOL	1.00000	48,006.00
0428	715.0710 Optimized Aggregate Gradation Incentive	119,327.000 DOL	1.00000	119,327.00
0430	ASP.1T0A On-the-Job Training Apprentice at $5.00/HR	2,100.000 HRS	5.00000	10,500.00
0432	ASP.1T0G On-the-Job Training Graduate at $5.00/HR	2,400.000 HRS	5.00000	12,000.00
0434	SPV.0060 Special 01. Manholes Special 4-FT Diameter Temporary	25.000 EACH	_____._____	_____._____
0436	SPV.0060 Special 02. Reconstructing Median Inlets Special	25.000 EACH	_____._____	_____._____
0438	SPV.0060 Special 03. Cleaning Box Culverts	1.000 EACH	_____._____	_____._____
0440	SPV.0060 Special 04. Temporary Inlets Median 1 Grate	4.000 EACH	_____._____	_____._____
0442	SPV.0090 Special 01. Construction Staking Finished Median	24,930.000 LF	_____._____	_____._____
0444	SPV.0090 Special 02. Bore and Jack Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	96.000 LF	_____._____	_____._____
0446	SPV.0090 Special 03. Prestressed Girder Type I 54W-Inch-Self-Consolidating Concrete	1,270.000 LF	_____._____	_____._____
0448	SPV.0105 Special 01. Construction Staking Concrete Pavement Joint Layout	 LS	LUMP SUM	_____._____

Proposal ID: 20171114022 Project(s): 1022-08-72

Federal ID(s): WISC 2017518

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0450	SPV.0105 Special 02. Project Concrete Crack Mitigation and Repair Special	LS	LUMP SUM	_____._____
0452	450.4000 HMA Cold Weather Paving	10,310.000 TON	_____._____	_____._____
	Section: 0001		Total:	_____._____
			Total Bid:	_____._____