

MAD

PROJECT ID:

1690-00-62

COUNTY:

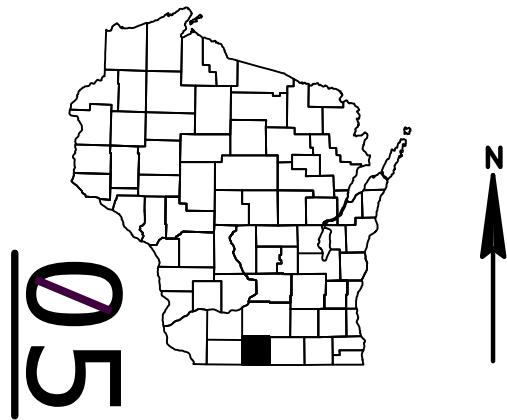
GREEN

APRIL 2019

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
Section No.	4	Right of Way Plan
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plans
Section No.	8	Structure Plans
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections

TOTAL SHEETS = 16



DESIGN DESIGNATION 5558-01-30

A.A.D.T.	2015	=	7,311
A.A.D.T.	2035	=	11,210
D.H.V.		=	
D.D.		=	
T.		=	8.6-12.3%
DESIGN SPEED		=	60 MPH
ESALS		=	N/A

CONVENTIONAL SYMBOLS

PLAN	
CORPORATE LIMITS	
PROPERTY LINE	
LOT LINE	
LIMITED HIGHWAY EASEMENT	
EXISTING RIGHT OF WAY	
PROPOSED OR NEW R/W LINE	
SLOPE INTERCEPT	
REFERENCE LINE	
EXISTING CULVERT	
PROPOSED CULVERT (Box or Pipe)	
COMBUSTIBLE FLUIDS	
MARSH AREA	
WOODED OR SHRUB AREA	

PROFILE	
GRADE LINE	
ORIGINAL GROUND	
MARSH OR ROCK PROFILE (To be noted as such)	
SPECIAL DITCH	
GRADE ELEVATION	
CULVERT (Profile View)	
UTILITIES	
ELECTRIC	
FIBER OPTIC	
GAS	
SANITARY SEWER	
STORM SEWER	
TELEPHONE	
WATER	
UTILITY PEDESTAL	
POWER POLE	
TELEPHONE POLE	

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

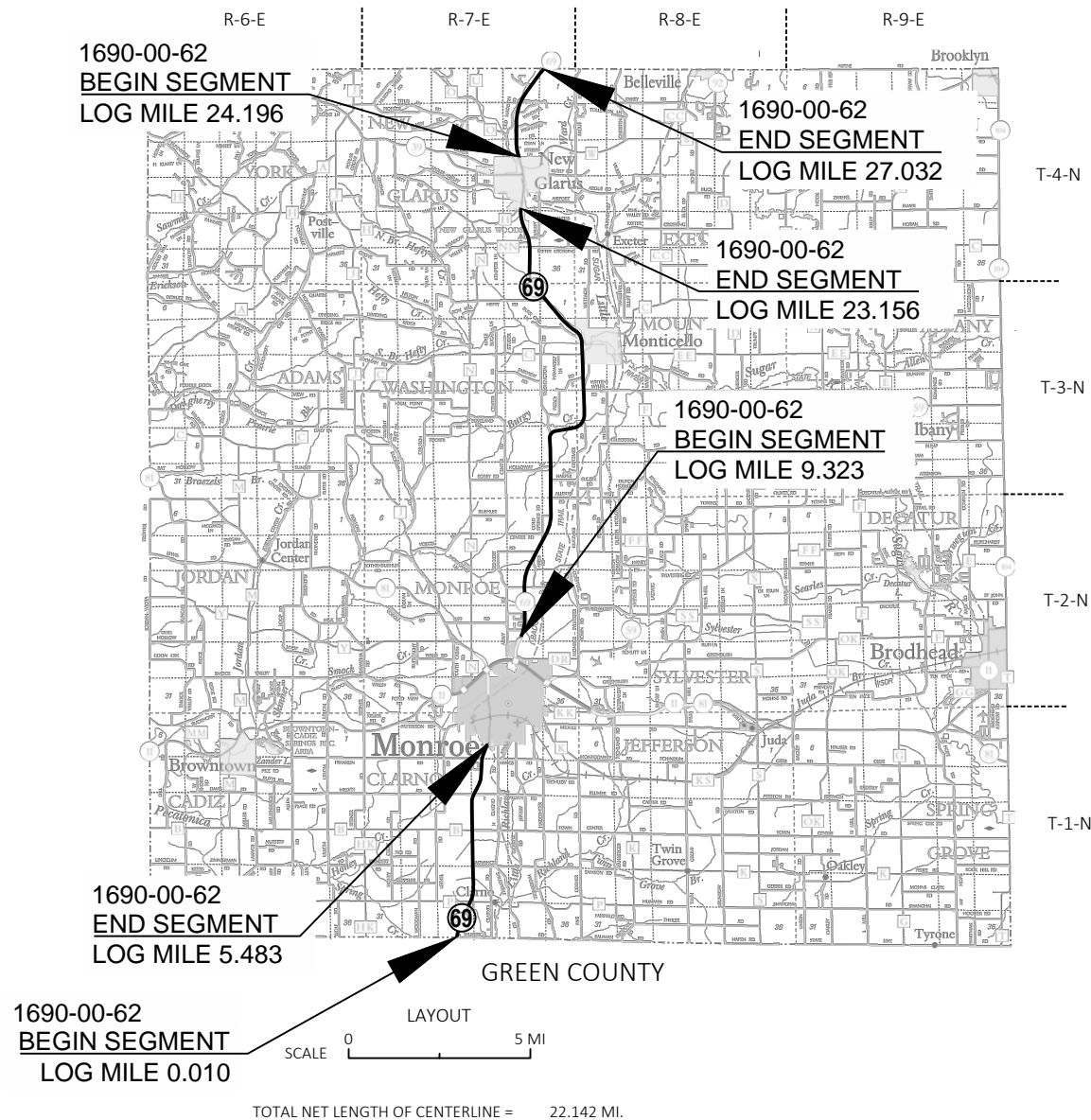
PLAN OF PROPOSED IMPROVEMENT

GREEN COUNTY, CL RUMBLE STRIPS

S COUNTY LINE TO N COUNTY LINE

STH 69
GREEN COUNTY

STATE PROJECT NUMBER
1690-00-62



STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1690-00-62	WISC 2019214	1

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
PREPARED BY	
Surveyor	SURVEYOR
Designer	AMY COUGHLIN
Project Manager	AMY COUGHLIN
Regional Examiner	SW REGION
Regional Supervisor	BRENDA SCHOENFELD
APPROVED FOR THE DEPARTMENT	
DATE: Oct. 19, 2018	<i>Amy Coughlin</i> (Signature)

E

GENERAL NOTES

THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA, WHICH ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND\OR A DIRECT CALL TO THE UTILITIES, WHICH HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.

RUMBLE STRIPS ARE INSTALLED ONLY WHERE THE POSTED SPEED LIMIT IS 50 MPH OR MORE.

RUMBLE STRIP LIMITS ARE SHOWN IN THE PLAN SHEETS. PAVEMENT MARKING LIMITS ARE GIVEN IN THE MISC. QUANTITIES SHEETS.

THE CONTRACTOR IS TO WORK WITH THE UTMOST CARE TO PROTECT ALL SURVEY MARKERS, LANDMARKS, AND MONUMENTS.

UTILITIES

MIKE OLSEN
ATC MANAGEMENT, INC. - ELECTRICITY-TRANSMISSION
801 O'KEEFE RD.
P.O. BOX 6113
DE PERE, WI. 54115-6113
(920) 338-6582
molsen@atcllc.com

MICHAEL BROLIN
ALLIANT ENERGY - ELECTRICITY
4902 N BILTMORE LANE
MADISON, WI 53718
(608) 458-4871
michaelbrolin@alliantenergy.com

SCOTT JELLE
NEW GLARUS LIGHT & WATER - WATER
319 2ND ST.
P.O. BOX 399
NEW GLARUS, WI 53574
(608) 558-5771
sjelle@nemglarusvillage.com

JASON GOULD
NORTHERN NATURAL GAS COMPANY - GAS/PETROLEUM
8101 BIRCHWOOD CT, SUITE F
JOHNSTON, IA 50131
(402) 530-2011
jason.gould@nngco.com

DAREN NEUENSCHWANDER
TDS TELECOM - COMMUNICATION LINE
827 16TH AVE.
MONROE, WI 53566
(608) 328-1158
daren.neuenschwander@tdstelecom.com

KEVIN KOMPROOD
VILLAGE OF MONTICELLO - SEWER
106 E. COATES AVE.
MONTICELLO, WI 53570
(608) 938-4384
monticellowwtp@tds.net

DAN SANDE
WE ENERGIES - GAS/PETROLEUM
333 WEST EVERETT ST, ROOM A299
MILWAUKEE, WI 53203
(414) 221-4578
dan.sande@we-energies.com

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P.O. BOX 399
NEW GLARUS, WI 53574
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NEW GLARUS SANITARY DISTRICT #1 - SEWER
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JERRY MYERS
TDS TELECOM - COMMUNICATION LINE
525 JUNCTION RD
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(608) 664-4404
jerry.myers@tdstelecom.com

KEVIN KOMPROOD
VILLAGE OF MONTICELLO - STREET LIGHTING
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P.O. BOX 147
MONTICELLO, WI 53570
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monticellowaterutil@tds.net

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106 E COATES AVE
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monticellowaterutil@tds.net

KEVIN PARRIS
WINDSTREAM KDL, LLC - COMMUNICATION LINE
1858 WRIGHT ST
MADISON, WI 54601
(608) 819-5016
kevin.j.parris@windstream.com

AERONAUTICS

PHILIP RATH
MONROE MUNICIPAL AIRPORT
1110 18TH AVE.
MONROE, WI. 53566
(608) 329-2527

CHARLES W. HUBER
FLYING H AIRPORT
1122 29TH AVE.
MONROE, WI. 53566
(608) 873-5411

TERRI HUGHES
HUGHES AIRPORT
1710 16TH ST.
MONROE, WI. 53566

HAWK AIR INC
BRODHEAD AIRPORT - AIRPORT FACILITY
P.O. BOX 238
BRODHEAD, WI 53520
(608) 897-4000

WI DNR LIAISON

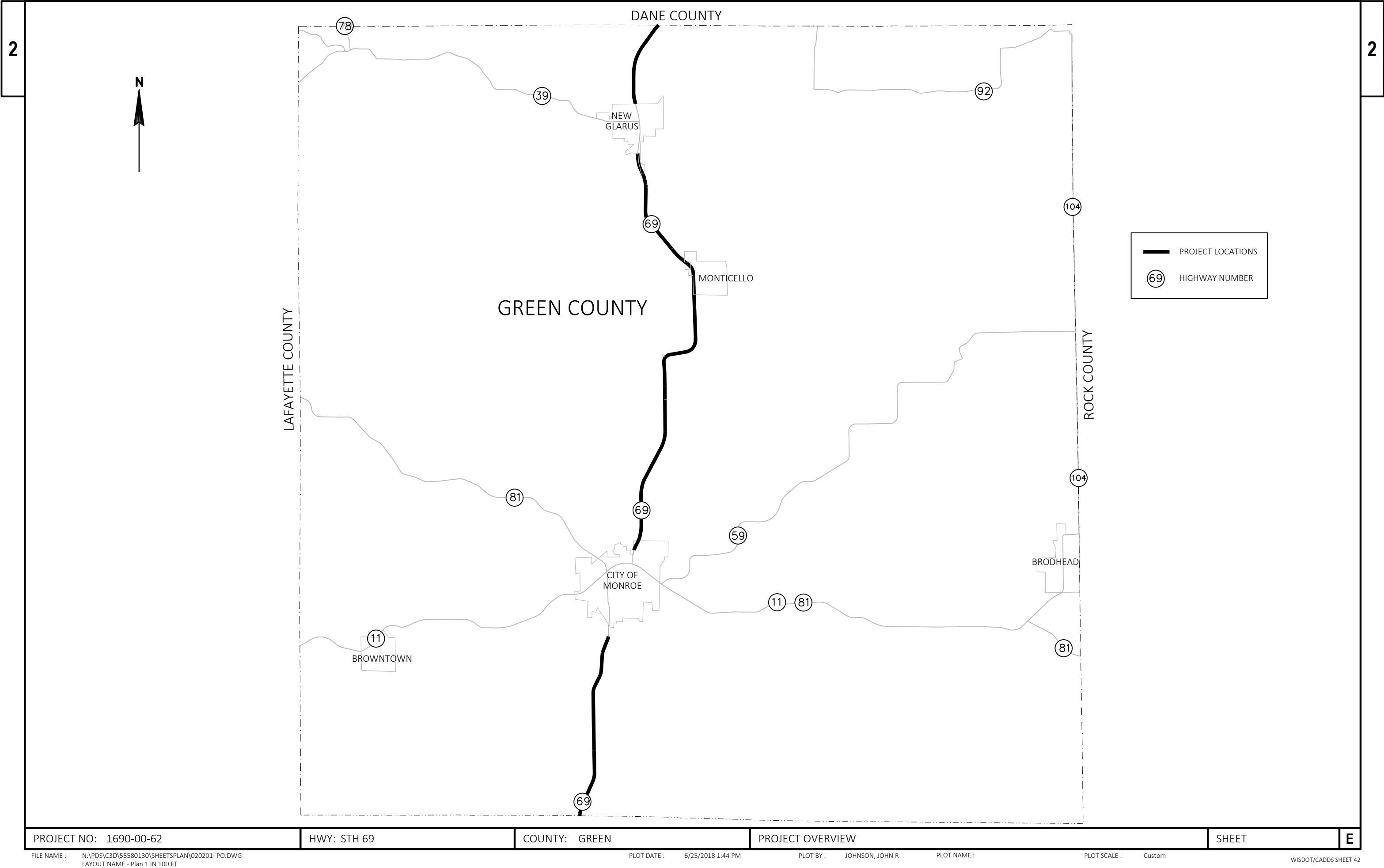
ANDY BARTA
DNR SOUTH CENTRAL REGION HEADQUARTERS
3911 FISH HATCHERY RD
FITCHBURG, WI 53711-5397
andrew.barta@wisconsin.gov

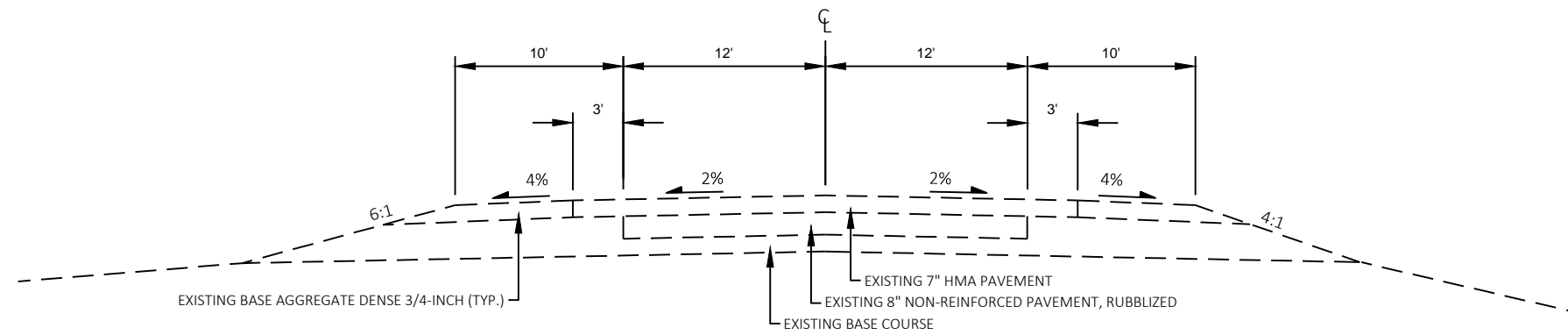
WISDOT PROJECT MANAGER

AMY COUGHLIN
WISCONSIN DEPT. OF TRANSPORTATION
2101 WRIGHT STREET
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(608) 245-5358

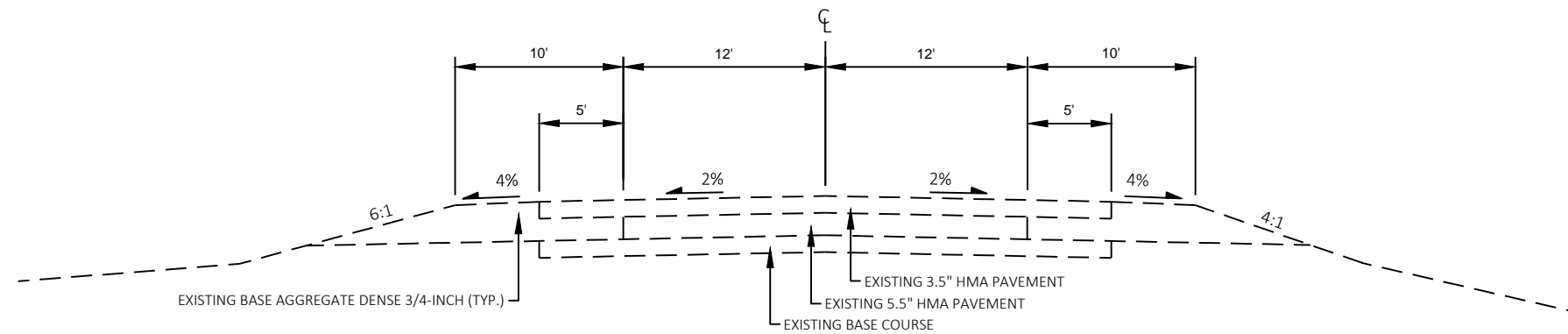


Dial 811 or (800)242-8511
www.DiggersHotline.com

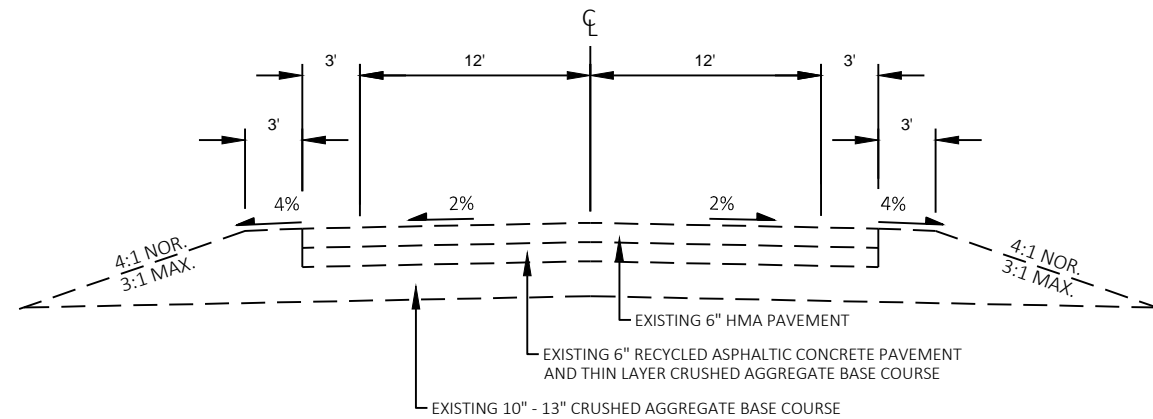




EXISTING TYPICAL SECTION
STH 69
LOG MILE 0.00 TO 4.140



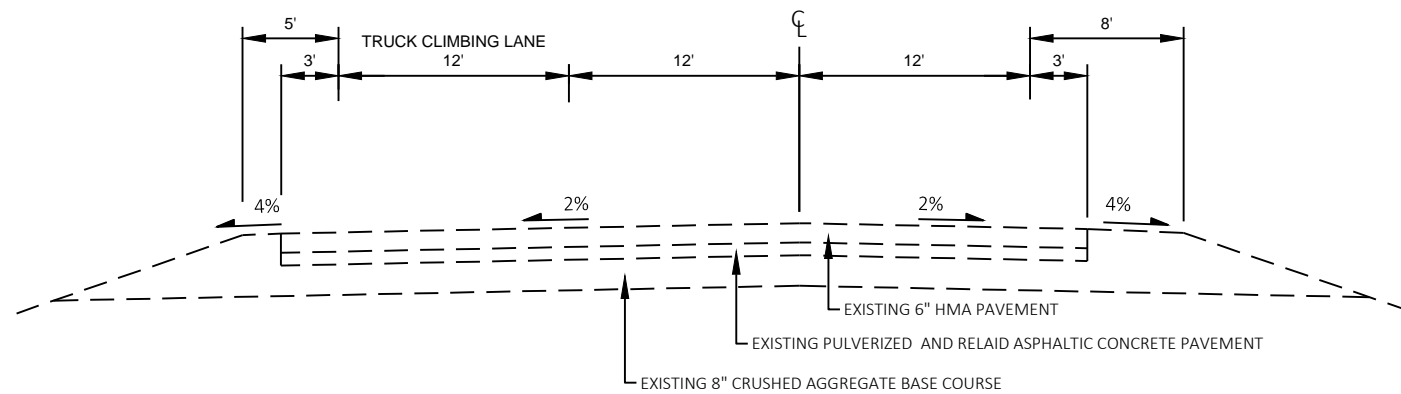
EXISTING TYPICAL SECTION
STH 69
LOG MILE 4.140 TO 5.483



EXISTING TYPICAL SECTION

STH 69

LOG MILE 9.323 TO 17.084



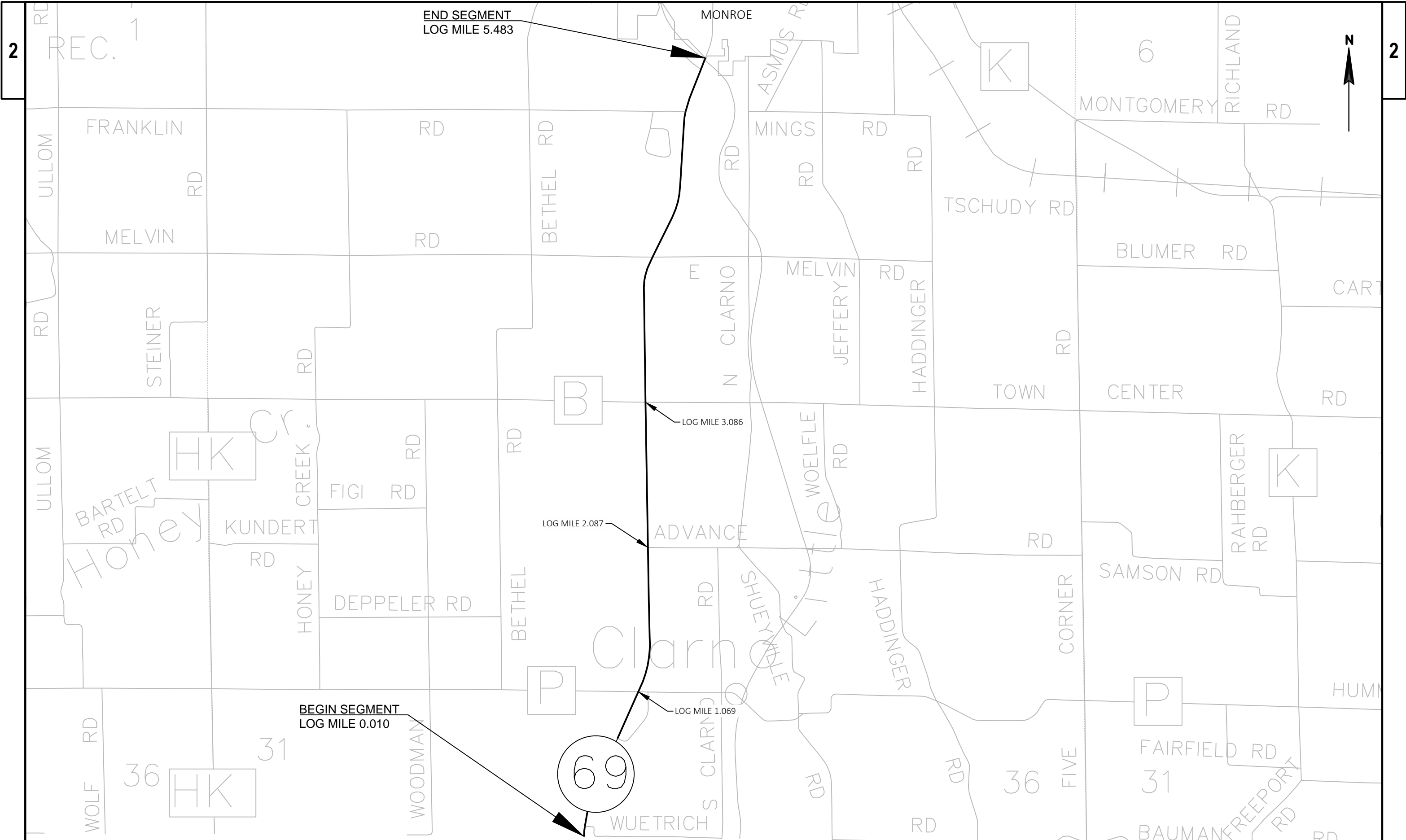
EXISTING TYPICAL SECTION

STH 69

LOG MILE 17.084 TO 23.156
LOG MILE 24.196 TO 27.032

TRUCK LANE SECTION

LOG MILE 17.215 TO 17.546 RT.
LOG MILE 17.355 TO 17.786 LT.
LOG MILE 21.265 TO 21.852 RT.
LOG MILE 21.340 TO 22.268 LT.



END SEGMENT
LOG MILE 5.483

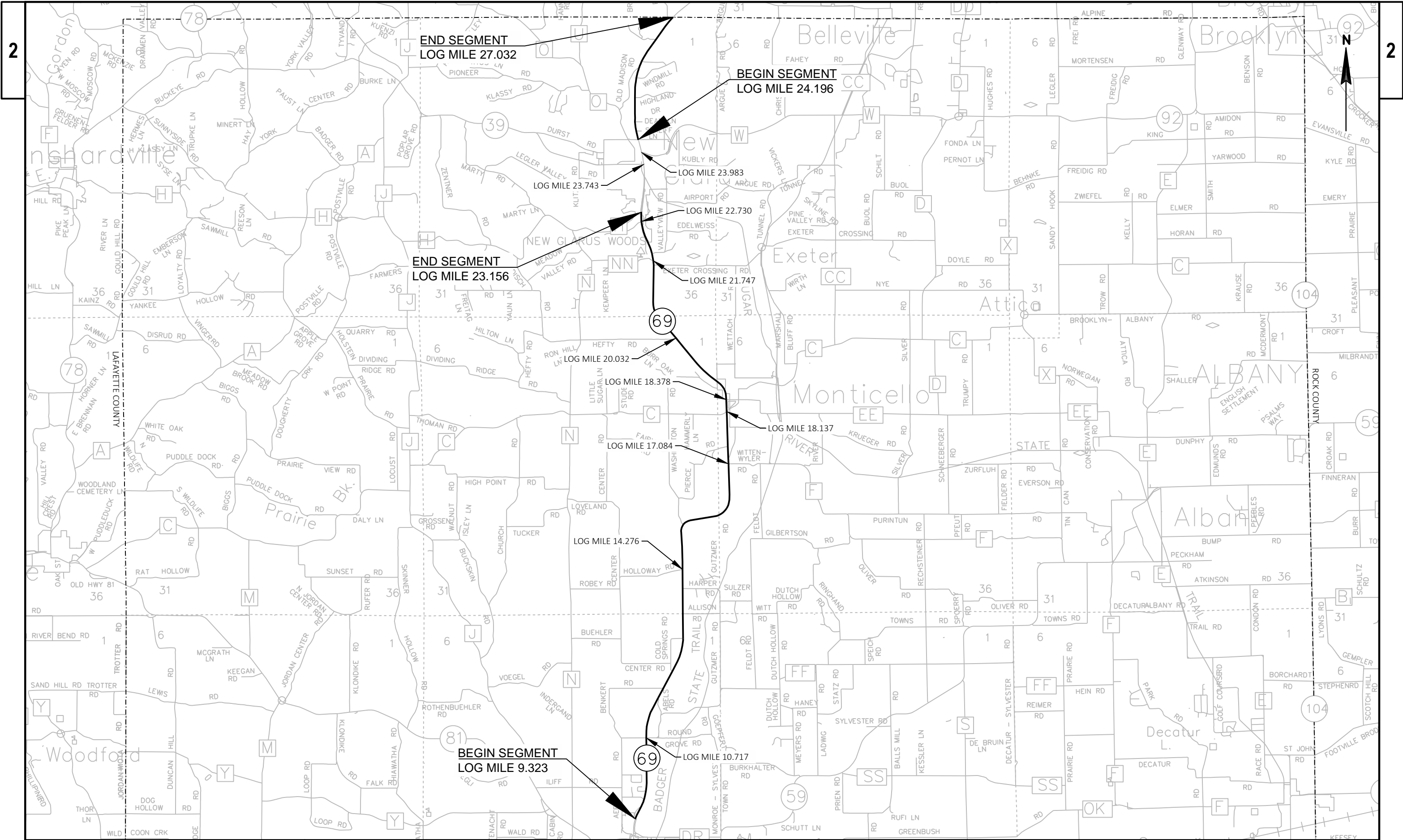
BEGIN SEGMENT
LOG MILE 0.010

LOG MILE 3.086

LOG MILE 2.087

LOG MILE 1.069

69



PROJECT NO: 1690-00-62	HWY: STH 69(N)	COUNTY: GREEN	PLAN DETAILS - STH 69 (N)	SHEET E
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GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

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

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

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

ADDITIONAL WORK VEHICLES MAY BE USED BETWEEN V1 AND V2.

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE AND OTHER FACTORS.

IF THERE IS A SIDE ROAD INTERSECTION BETWEEN THE FLAGGER STATIONS PROVIDE "ROAD WORK AHEAD" SIGNS ON THE SIDE ROAD AS APPROVED BY THE ENGINEER.

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

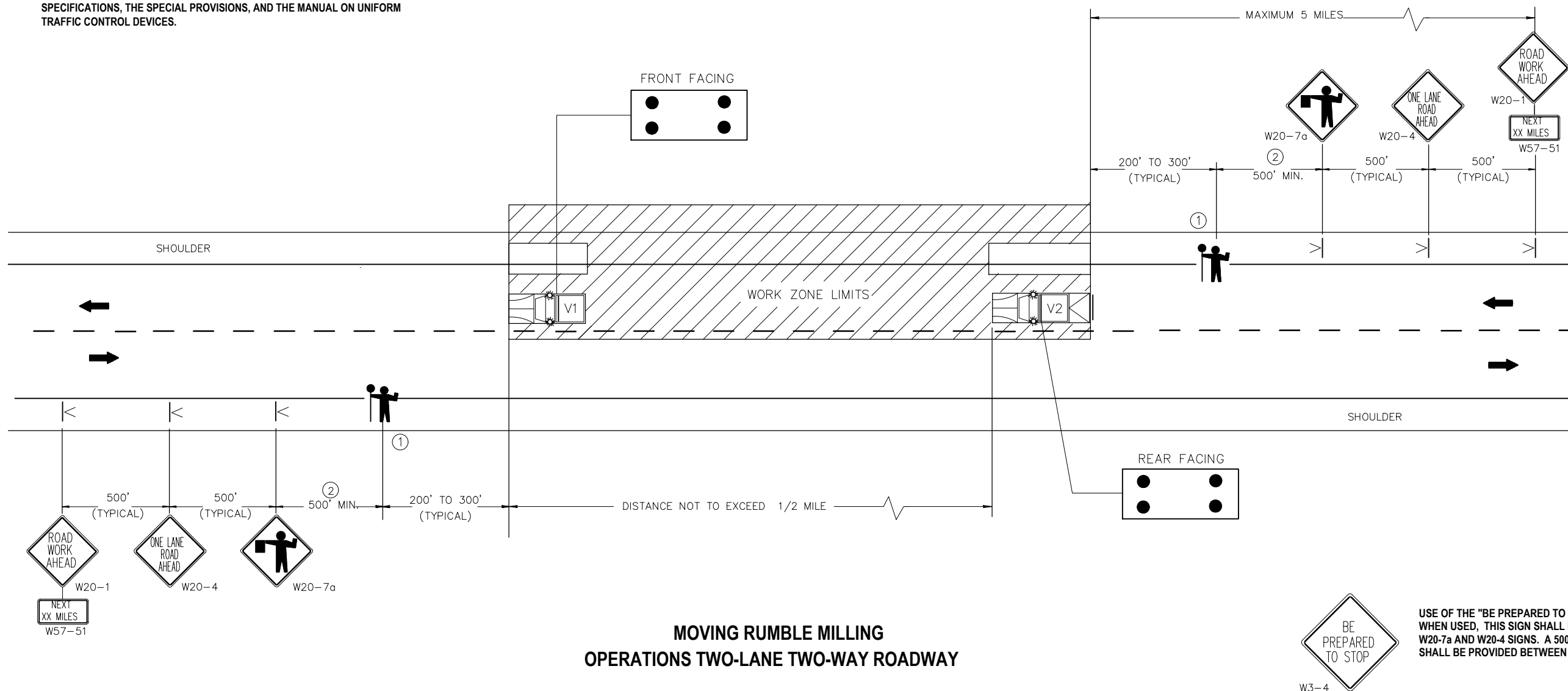
FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT, THE "FLAGGER AHEAD", THE "ROAD WORK AHEAD" AND THE "ONE LANE ROAD AHEAD" SIGNS SHALL BE COVERED OR REMOVED AND THE HIGHWAY RESTORED TO NORMAL OPERATION.

THIS DRAWING SHALL BE USED FOR CENTERLINE AND SHOULDER MILLING OF RUMBLE STRIPS.

- ① MAXIMUM DISTANCE BETWEEN FLAGGER STATIONS SHALL BE TWO MILES.
- ② FOR MOVING WORK OPERATION, SIGNING FOR BOTH DIRECTIONS SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3500 FOOT INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

LEGEND

- V1 LEAD VEHICLE
V2 TRAIL VEHICLE WITH TMA
TMA TRUCK-MOUNTED ATTENUATOR
SIGN ON PORTABLE SUPPORT
DIRECTION OF TRAVEL
FLASHING ARROW PANEL (CAUTION)
(FLAGGER STATION)
FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
WORK AREA



MOVING RUMBLE MILLING
OPERATIONS TWO-LANE TWO-WAY ROADWAY

Estimate Of Quantities

1690-00-62

Line	Item	Item Description	Unit	Total	Qty
0002	465.0475	Asphalt Centerline Rumble Strips 2-Lane Rural	LF	97,370.000	97,370.000
0004	619.1000	Mobilization	EACH	1.000	1.000
0006	643.5000	Traffic Control	EACH	1.000	1.000
0008	646.4520	Marking Line Same Day Epoxy 4-Inch	LF	122,000.000	122,000.000
0010	646.9000	Marking Removal Line 4-Inch	LF	122,000.000	122,000.000
0012	648.0100	Locating No-Passing Zones	MI	23.000	23.000
0014	649.0120	Temporary Marking Line Epoxy 4-Inch	LF	108,000.000	108,000.000
0016	SPV.0060	Special 01. Traffic Control Contract	EACH	1.000	1.000

ASPHALT CENTERLINE RUMBLE STRIPS 2-LANE RURAL

CATEGORY	LOG MILE	TO	LOG MILE	465.0475 LF
0010	0.010	-	5.483	24,320
	9.323	-	23.156	61,470
	24.196	-	27.032	11,580
TOTAL 0010				97,370

MOBILIZATION

CATEGORY	LOCATION	619.1000 EACH
0010	PROJECT	1
TOTAL 0010		1

TRAFFIC CONTROL

CATEGORY	LOCATION	643.5000 EACH
0010	PROJECT	1
TOTAL 0010		1

MARKING LINE SAME DAY EPOXY 4-INCH

CATEGORY	LOCATION	646.4520 LF
0010	PROJECT	122,000
TOTAL 0010		122,000

MARKING REMOVAL LINE 4-INCH

CATEGORY	LOCATION	646.9000 LF
0010	PROJECT	122,000
TOTAL 0010		122,000

LOCATING NO-PASSING ZONES

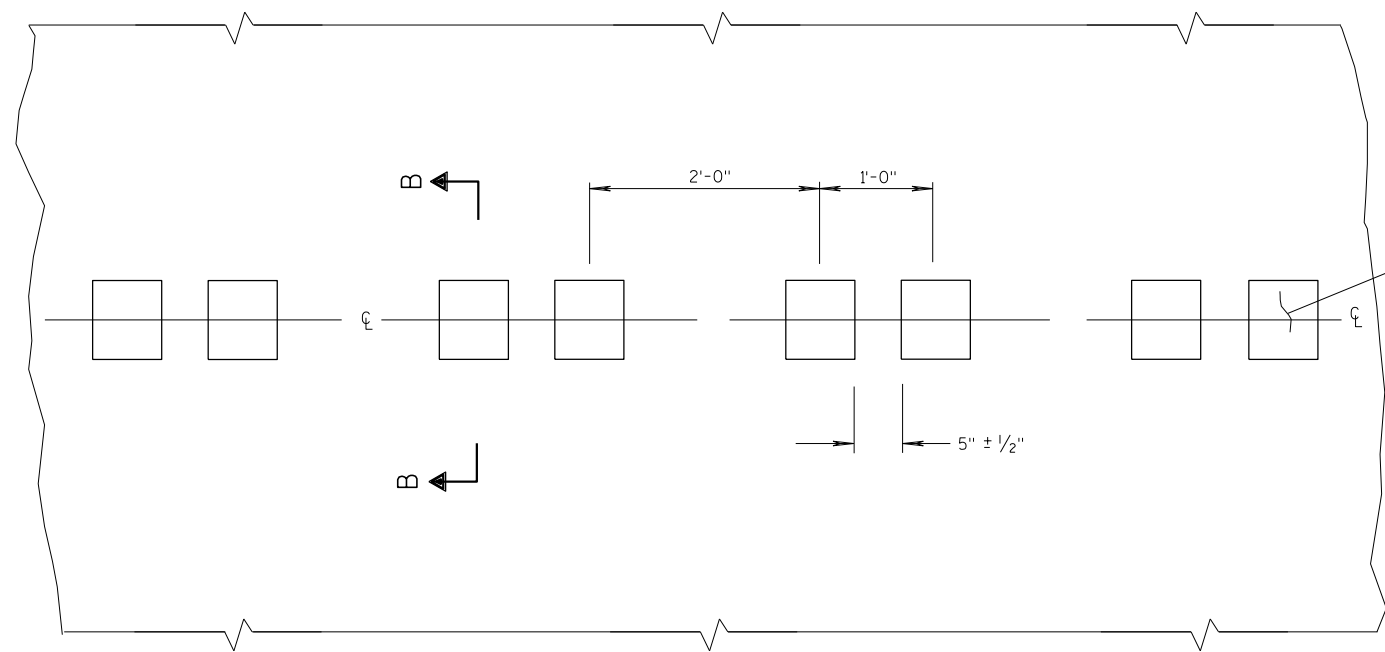
CATEGORY	LOCATION	648.0100 MI
0010	PROJECT	23
TOTAL 0010		23

TEMPORARY MARKING LINE EPOXY 4-INCH

CATEGORY	LOCATION	649.0120 LF
0010	PROJECT	108,000
TOTAL 0010		108,000

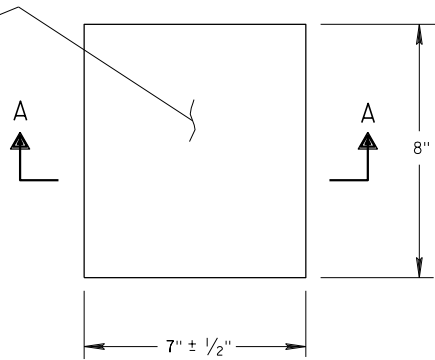
Standard Detail Drawing List

13A11-03A	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13A11-03B	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
15C08-19A	LONGITUDINAL MARKING (MAINLINE)
15C19-05A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY



PLAN VIEW
CENTER LINE WITH GROOVES

PLACEMENT DETAIL FOR MILLED RUMBLE STRIP

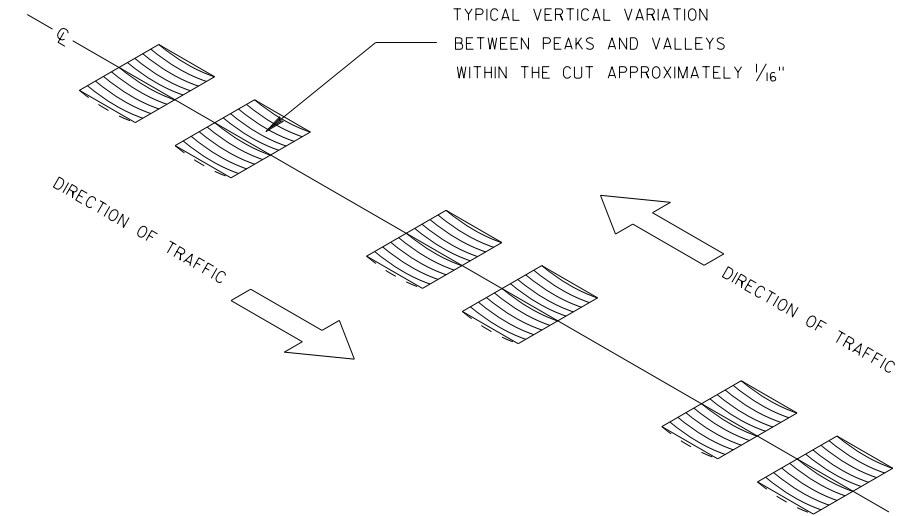


PLAN VIEW
(SINGLE GROOVE)

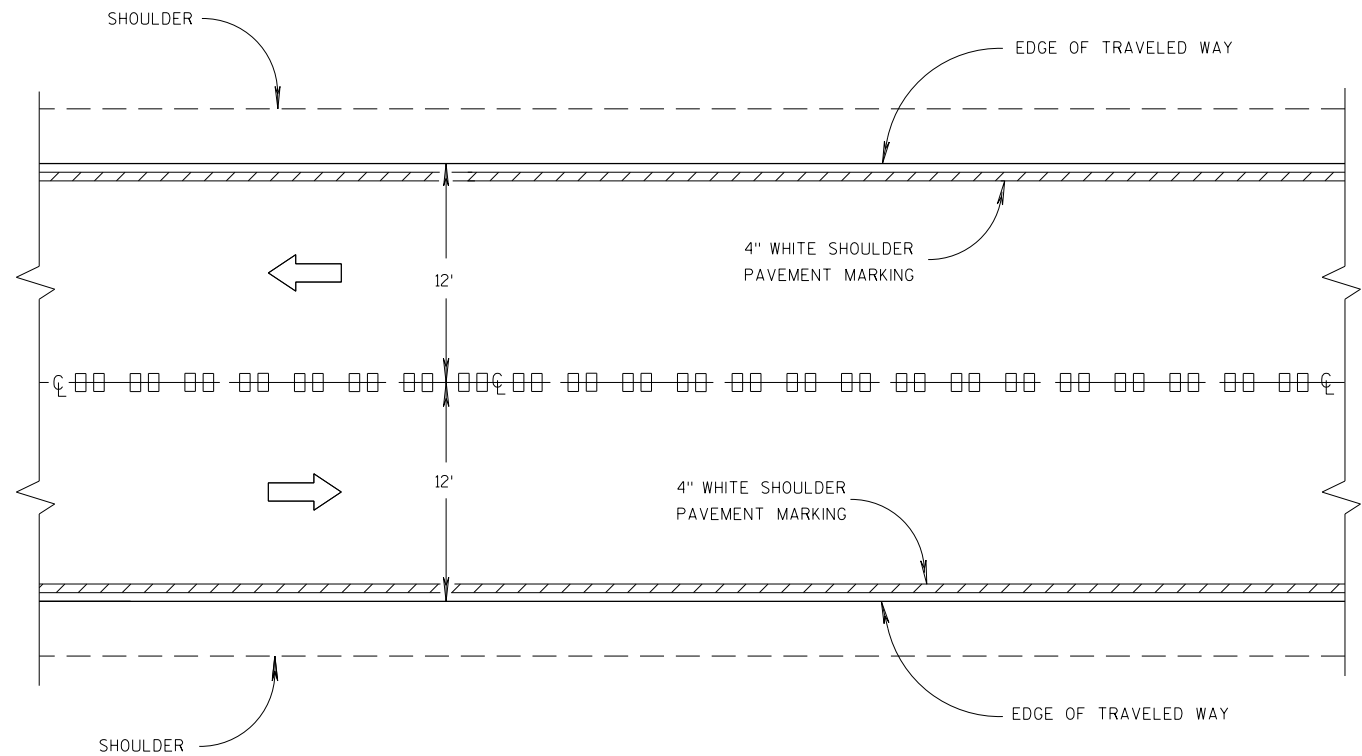
GENERAL NOTES

DETAILS OF CONSTRUCTION SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.
DO NOT MILL CENTER LINE GROOVES THROUGH ANY INTERSECTION, MARKED CROSSWALK, NON-MOTORIZED PATH CROSSING, OR SNOWMOBILE CROSSING.
INSTALL PERMANENT MARKING EPOXY 4-INCH AFTER THE GROOVES ARE INSTALLED.
SEE SIGNING PLAN FOR SIGN REQUIREMENTS THAT MAY BE NEEDED.

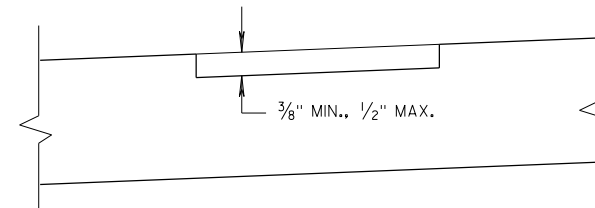
- ① CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS, WHEN DIRECTED BY THE ENGINEER.



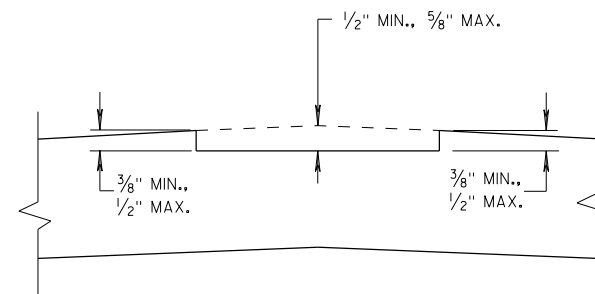
ISOMETRIC



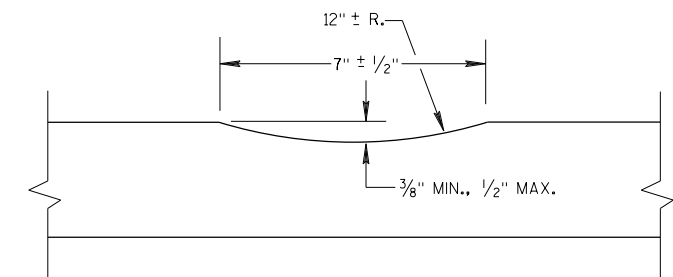
CENTER LINE GROOVES ON TWO-WAY ROADWAYS



SECTION B-B
SUPERELEVATED ROADWAY



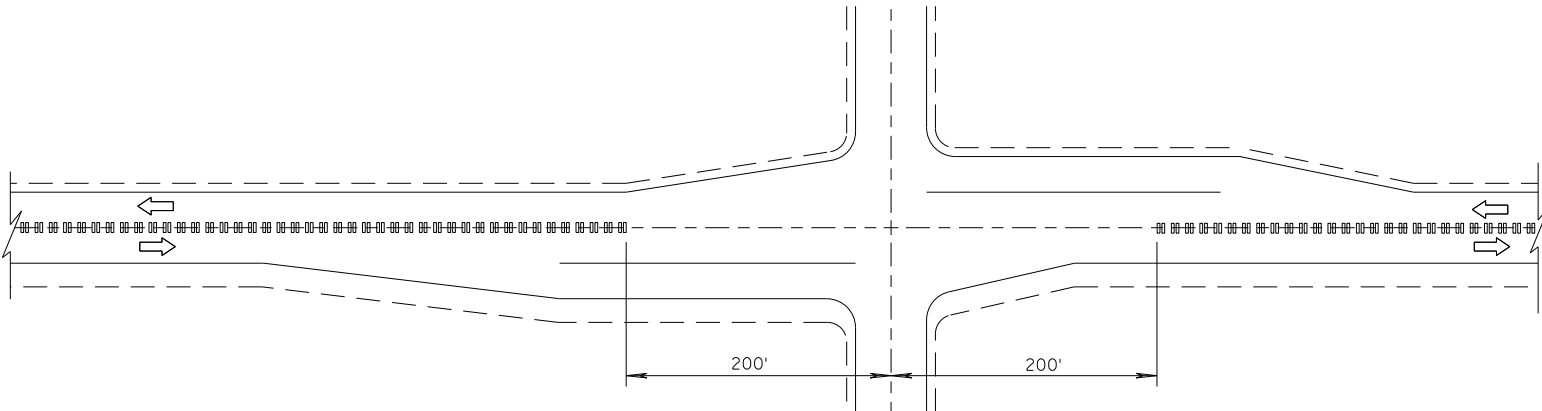
SECTION B-B
CROWNED ROADWAY



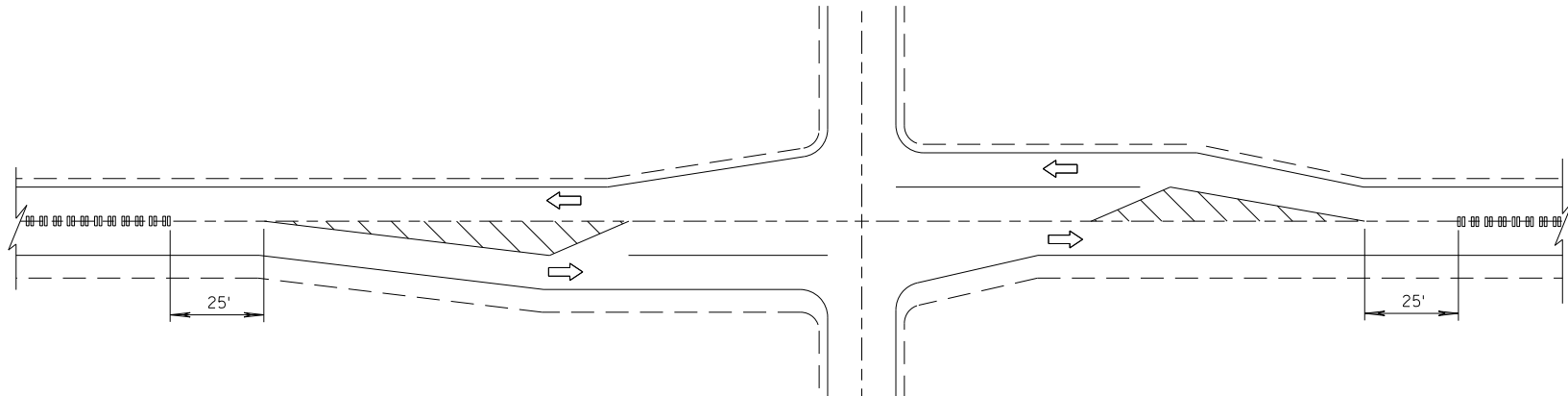
SECTION A-A

2-LANE RURAL
CENTER LINE RUMBLE STRIP,
MILLING

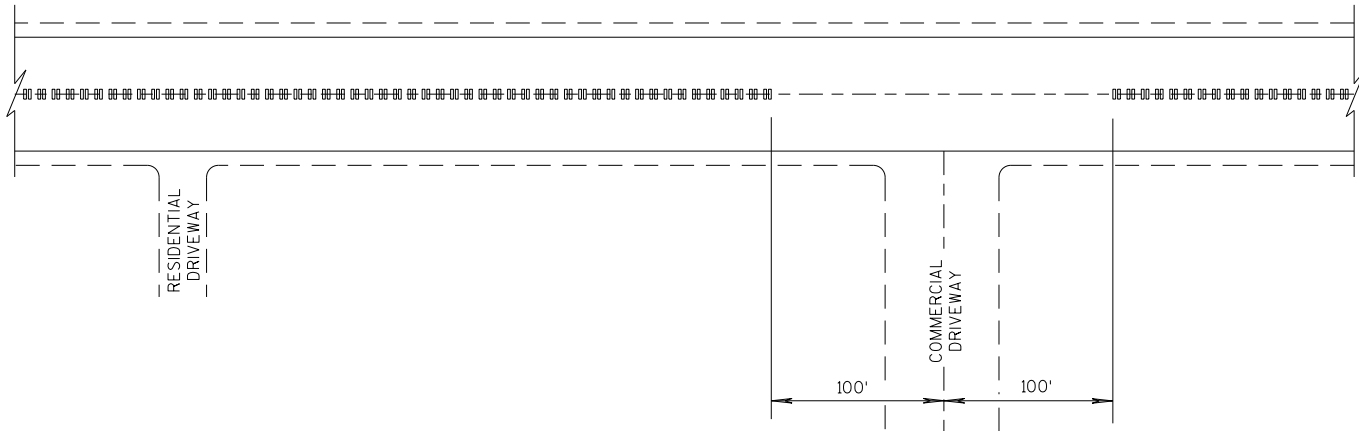
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



CENTER LINE GROOVES AT INTERSECTIONS

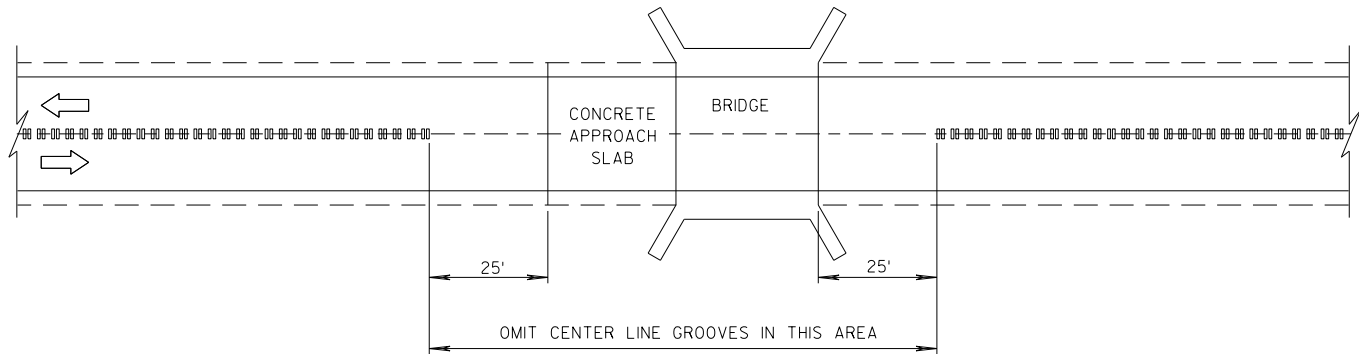


CENTER LINE GROOVES AT INTERSECTIONS
(WITH LEFT TURN LANES)

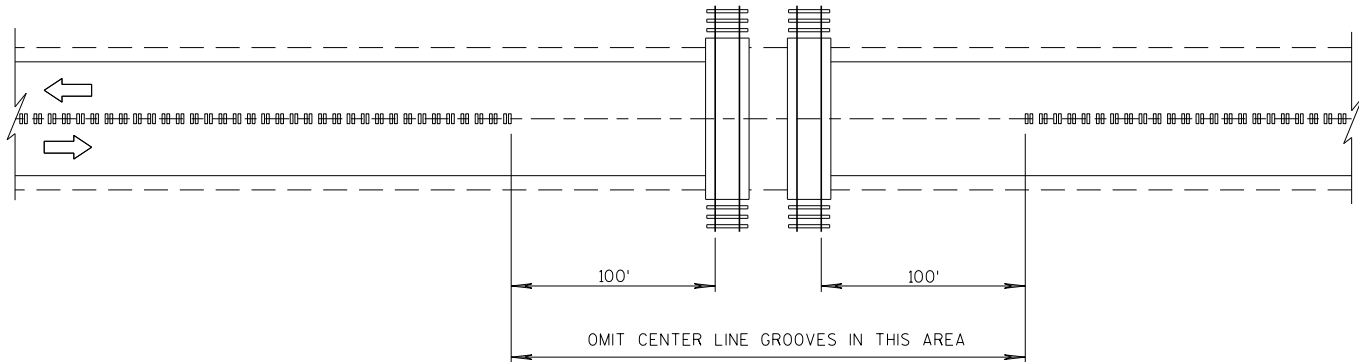


CENTER LINE GROOVES AT DRIVEWAYS¹

¹ CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS, WHEN DIRECTED BY THE ENGINEER.

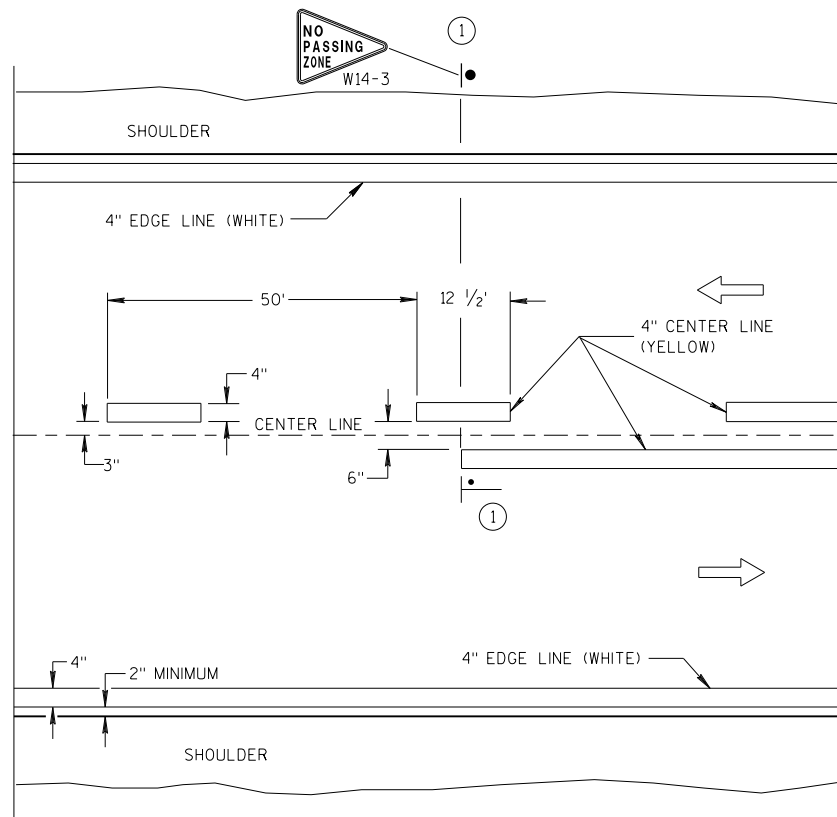


CENTER LINE GROOVES AT BRIDGES

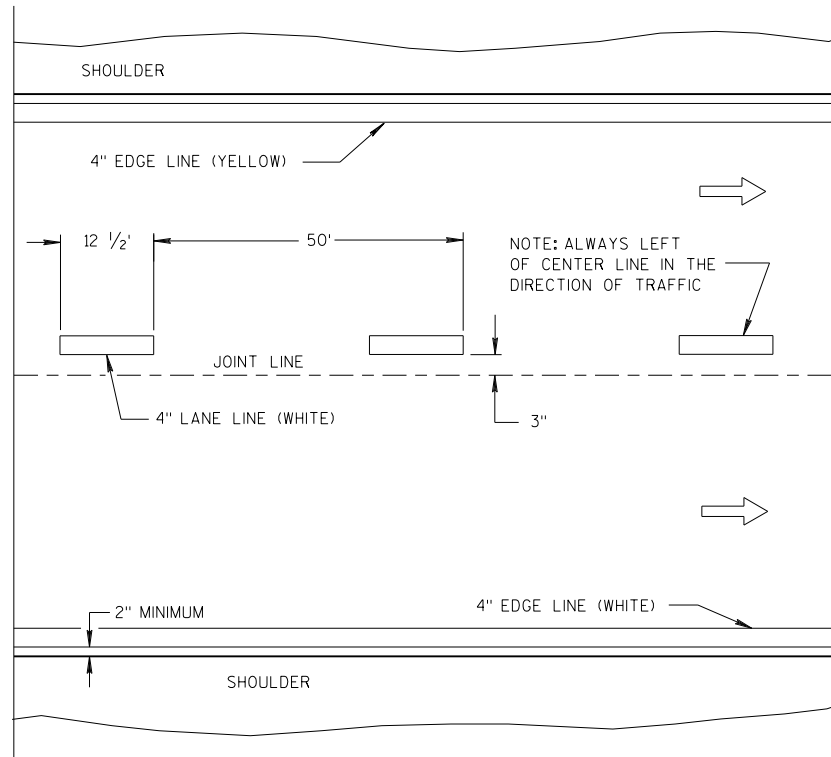


CENTER LINE GROOVES AT RAILROADS

2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 7/2018 DATE	/S/ Rodney Taylor ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR
FHWA	

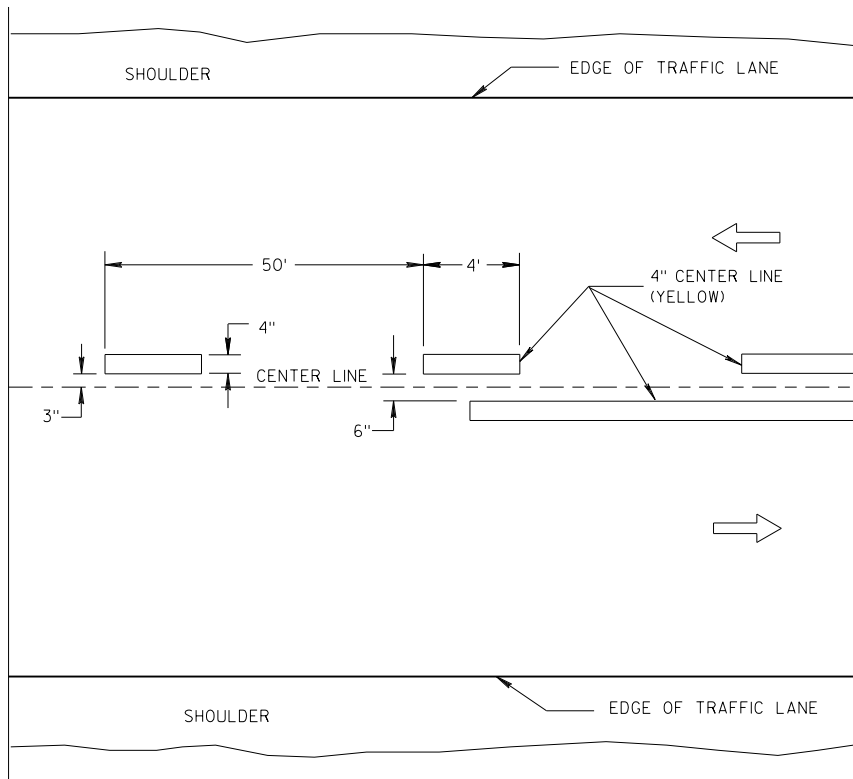


TWO WAY TRAFFIC

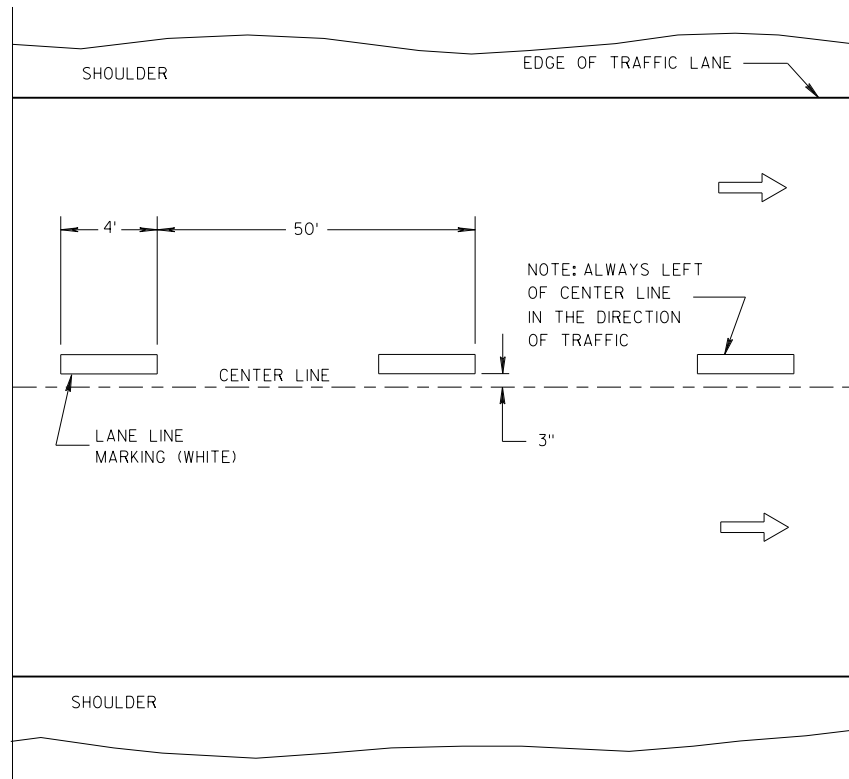


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC


TEMPORARY PAVEMENT MARKING

GENERAL NOTES



DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

- ① LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING.

NOTE

ARROW SYMBOL () SHOWS DIRECTION OF TRAVEL

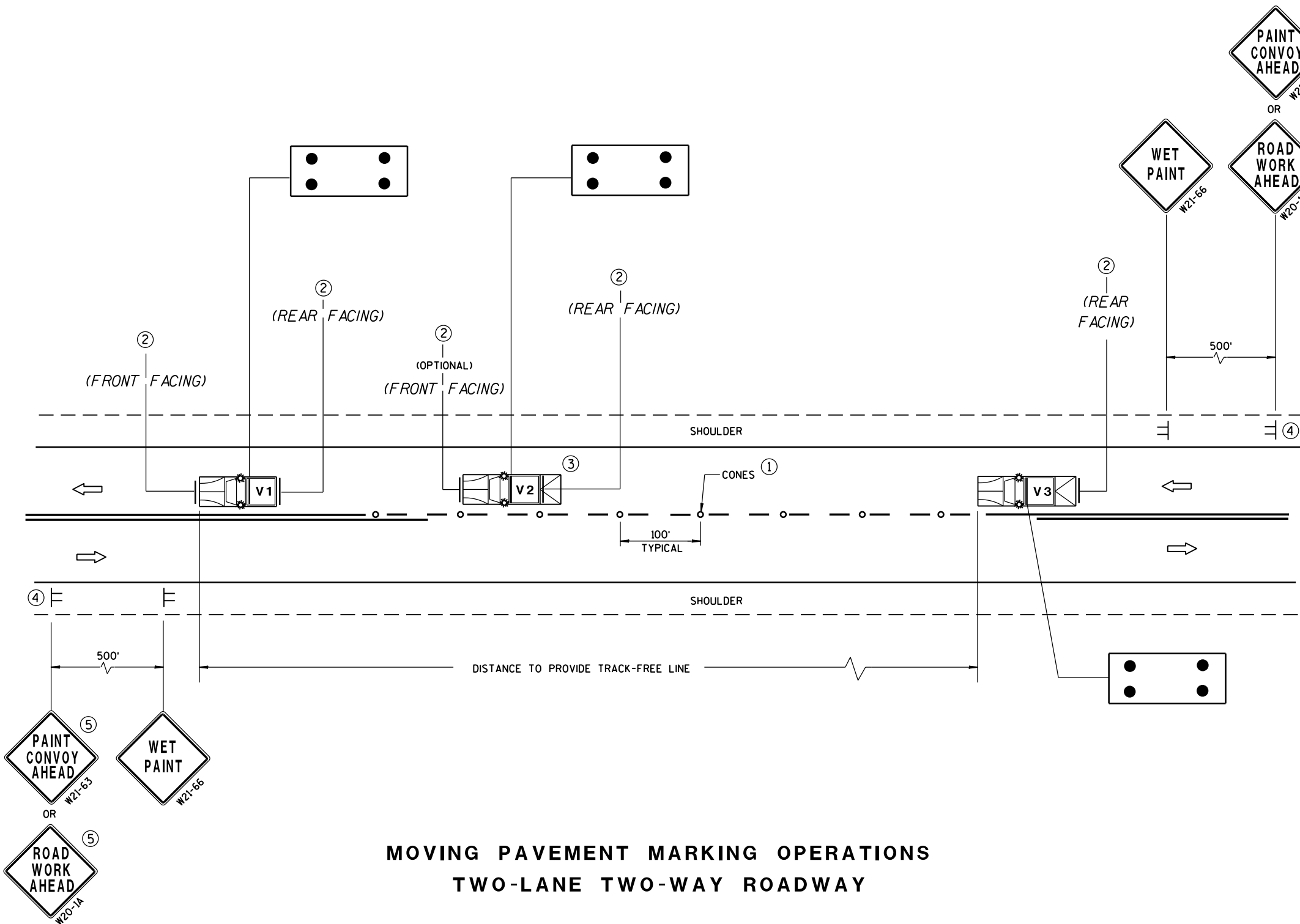
LEGEND

-  "T" MARKING
-  POST MOUNTED SIGN

LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

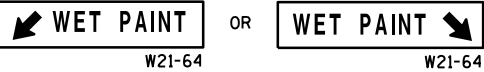
APPROVED
7/2018 /S/ Matthew R. Rauch
DATE STATE SIGNING AND MARKING ENGINEER
FHWA



MOVING PAVEMENT MARKING OPERATIONS
TWO-LANE TWO-WAY ROADWAY

GENERAL NOTES

- ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.
- VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL OPERATING IN CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.
- ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE SPECIFIED.
- IF SPEED LIMIT IS 40 MPH OR LESS STATIONARY SIGNS MAY BE OMITTED IF CONES ARE USED.
- ALTERNATE SIGN MESSAGES, SUCH AS "PAINT CREW AHEAD" OR "ROAD PAINTING AHEAD" MAY BE USED.
- DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.
- THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.
- THIS DRAWING SHALL BE USED FOR CENTERLINE OR EDGELINE MARKING.
- WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR TURN THE STATIONARY WARNING SIGNS AWAY FROM TRAFFIC.
- ① CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.
- ② USE STANDARD SIGN W21-64 WITH APPROPRIATE ARROW.
- ③ OPTIONAL TRUCK-MOUNTED ATTENUATOR.
- ④ SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES.
- ⑤ IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1 OR W21-63 ARE NOT REQUIRED.



OR



LEGEND

- V1** LEAD VEHICLE
- V2** SHADOW VEHICLE
- V3** TRAIL VEHICLE WITH TMA
- TMA** TRUCK-MOUNTED ATTENUATOR

≡ SIGN ON TEMPORARY SUPPORT

➡ DIRECTION OF TRAFFIC

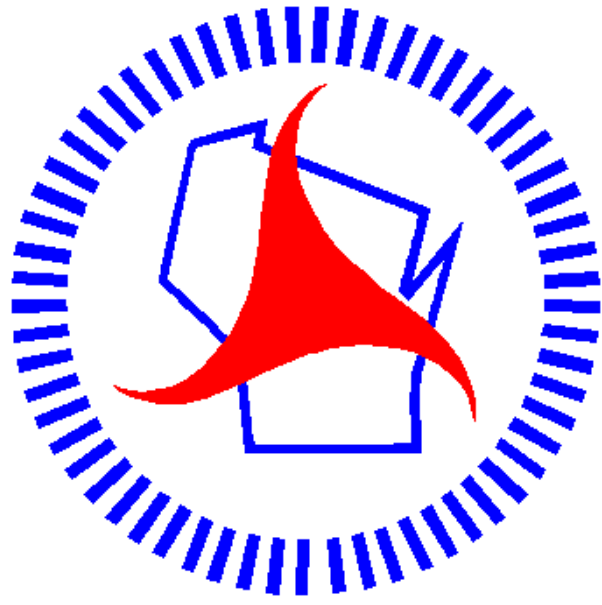
○ CONES

⬢ FLASHING ARROW PANEL (CAUTION)

MOVING PAVEMENT MARKING
OPERATION
TWO-LANE TWO-WAY ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
DATE Sept., 2017 /S/ Andrew Heidtke
WORK ZONE ENGINEER
FHWA



Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

<http://www.dot.wisconsin.gov>