

PROJECT ID:
WITH: 1100-17-74

COUNTY:
WAUKESHA & WASH

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 Plat
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
Section No.	8	Structure Plans
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections

TOTAL SHEETS =



DESIGN DESIGNATION

A.A.D.T.	=
A.A.D.T.	=
D.H.V.	=
D.D.	=
T.	=
DESIGN SPEED	=
ESALS	=

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	

ROCK	
LABEL	
95.36	
95.36	
E	
FO	
G	
SAN	
SS	
T	
W	
PP	
TP	

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

MILWAUKEE - FOND DU LAC

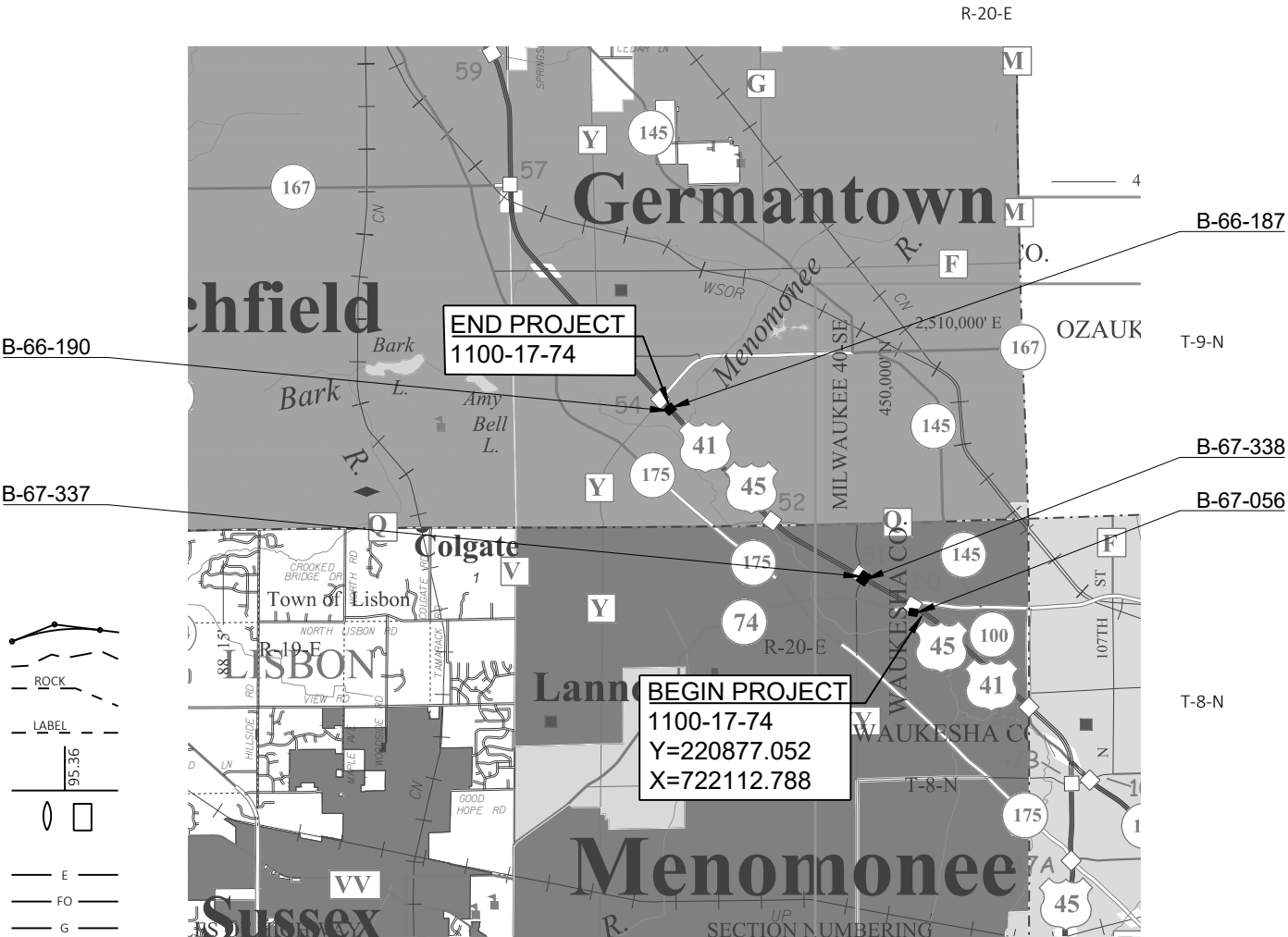
STH 100 TO MENOMONEE RIVER

IH 41/USH 45

WAUKESHA & WASHINGTON

STATE PROJECT NUMBER
1100-17-74

DRAFT PS&E
DATE: 10/01/2019



LAYOUT
SCALE 0 2 MI

TOTAL NET LENGTH OF CENTERLINE = 0.000

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), WAUKESHA AND WASHINGTON COUNTIES, NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1100-17-74		

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
PREPARED BY	
Surveyor	SURVEYOR
Designer	BHUVAN MANANDHAR
Project Manager	JOE GALLAMORE
Regional Examiner	REGIONAL EXAMINER
Regional Supervisor	JOE GALLAMORE
APPROVED FOR THE DEPARTMENT	
DATE:	(Signature)

GENERAL NOTES

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. COORDINATE CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.

D.O.T. BRIDGE BENCHMARK MONUMENT TO BE FURNISHED BY THE STATE AND PLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER.

CONTACT THE PROJECT ENGINEER, THE COUNTY SURVEYOR, AND SEWRPC AT LEAST TWO WEEKS BEFORE WORKING NEAR ANY SECTION CORNER MONUMENT.

DO NOT REMOVE ANY TREES OR SHRUBS WITHOUT APPROVAL OF THE ENGINEER.

ALL SIGN LOCATIONS SHALL BE REVIEWED BY THE ENGINEER PRIOR TO INSTALLATION.

NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY LOCAL MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

REMOVAL OF EROSION CONTROL DEVICES IS INCLUDED IN THE COST OF THEIR RESPECTIVE BID ITEMS.

CONTACT PROJECT ENGINEER AND THE SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION (SEWRPC) AT LEAST TWO WEEKS PRIOR TO WORK NEAR ANY PUBLIC SURVEY MONUMENT.

ALL PRIVATE EXISTING UTILITIES ARE TO BE ADJUSTED BY THE UTILITIES CONCERNED.

STANDARD ABBREVIATIONS

AGG	AGGREGATE
ASPH	ASPHALTIC
BAD	BASE AGGREGATE DENSE
BM	BENCHMARK
C&G	CURB AND GUTTER
CL OR ^C _L	CENTER LINE OR CONSTRUCTION LINE
CONC	CONCRETE
	CULVERT PIPE REINFORCED
CPRCHE	CONCRETE
CY	CUBIC YARD
DISCH	DISCHARGE
EB	EASTBOUND
FE	FIELD ENTRANCE
FL	FLOW LINE
HMA	HOT MIX ASPHALTIC
INV	INVERT
LT	LEFT
MIN	MINIMUM
M/L	MATCHLINE
NB	NORTHBOUND
NC	NORMAL CROWN
PAVT	PAVEMENT
PE	PRIVATE ENTRANCE
REQD	REQUIRED
RT	RIGHT
SALV	SALVAGED
	SALVAGED ASPHALTIC PAVEMENT
SAPBC	BASE COURSE
SB	SOUTHBOUND
SDD	STANDARD DETAIL DRAWING
SE	SUPER ELEVATION
SF	SQUARE FOOT
SI	SLOPE INTERCEPT
	STORM SEWER PIPE REINFORCED
SSPRC	CONCRETE
STA	STATION
SY	SQUARE YARD
TLE	TEMPORARY LIMITED EASEMENT
WB	WESTBOUND

STATE AGENCIES

WISDOT SE REGION
JOE GALLAMORE-
PROJECT MANAGER
141 NW BARSTOW STREET
WAUKESHA, WI 53187
262-548-5601
ASHLEY.KIEPCZYNSKI@DOT.WI.GOV

WISDOT SE REGION
BHUVAN MANANDHAR -
LEAD DESIGNER
141 NW BARSTOW STREET
WAUKESHA, WI 53187
262-548-5953
BHUVAN.MANANDHAR@DOT.WI.GOV

WISCONSIN DNR
KRISTINA BETZOLD - ENVIRONMENTAL
ANALYSIS AND REVIEW SPECIALIST
2300 N DR. MARTIN LUTHER KING JR. DRIVE
MILWAUKEE, WI 53212
414-507-4946
KRISTINA.BETZOLD@WISCONSIN.GOV

WISCONSIN DNR
CRAIG WEBSTER
141 NW BARSTOW ST
WAUKESHA, WI 53188-3789
262-574-2141
CRAIG.WEBSTER@WISCONSIN.GOV

UTILITY OWNERS LIST

SANDRA FALATYK
AT&T LOCAL NETWORK
– COMMUNICATION LINE
6070 N FLINT RD
GLENDALE, WI 53209
(414) 459-3565
S.FALATYK@NORTHWINDTECH.COM

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

BEAU ABUYA
CHARTER COMMUNICATIONS
- COMMUNICATION LINE
1320 N DR MARTIN LUTHER KING JR DR
MILWAUKEE, WI 53212
(414) 908-1343
WIS.ENGINEERING@CHARTER.COM

RANDY HAGER
VILLAGE OF MENOMONEE FALLS
WATER UTILITY - WATER
W156 N8480 PILGRIM ROAD
MENOMONEE FALLS, WI 53051
(262) 532-4800
RHAGER@MENOMONEEFALLS.ORG

JASON JARVIS
SPRINT COMMUNICATIONS CO LP
- COMMUNICATION LINE
7459 W 79TH ST
BRIDGEVIEW, IL 60455
(219) 433-4091
JASON.M.JARVIS@SPRINT.COM

TIM ZIMMERMAN
VILLAGE OF GERMANTOWN - SEWER
N122 W17177 FOND DU LAC AVE
GERMANTOWN, WI 53022
(262) 253-7765
TZIMMERMAN@VILLAGE.GERMANTOWN.WI.US

JEFF OLDENBURG
AT&T WISCONSIN
–COMMUNICATION LINE
2005 PEWAUKEE ROAD
WAUKESHA, WI 53188
(262) 896-7522
JO2376@ATT.COM

GENERAL MAILBOX
CENTURYLINK NATIONAL OSP RELOC
CENTURYLINK COMMUNICATIONS, LLC -
COMMUNICATION LINE
CENTURYLINKNATIONALOSPRELOCATIONS
@CENTURYLINK.COM

NETWORK RELOCATIONS
LEVEL 3 COMMUNICATIONS LLC
- COMMUNICATION LINE
1025 ELDORADO BLVD
BROOMFIELD, CO 80021
NATIONALRELO@CENTURYLINK.COM

ERIC KIEFER
NORTH SHORE WATER COMMISSION - WATER
400 W BENDER RD
GLENDALE, WI 53217
(414) 963-0160
EKIEFER@NORTHSHOREWC.COM

JAY OLSZEWSKI
VILLAGE OF GERMANTOWN
- ROAD FACILITY
N112 W17001 MEQUON RD
P.O. BOX 337
GERMANTOWN, WI 53022
(262) 253-8253
JOLSZEWSKI@VILLAGE.GERMANTOWN.WI.US

DICK HAMMETTER
WISCONSIN INDEPENDENT NETWORK, LLC -
COMMUNICATION LINE
SUITE 219
800 WISCONSIN AVE
EAU CLAIRE, WI 54703
(715) 838-4406
HAMMETTER@WINS.NET

TILITY OWNERS LIST CONTINUE...

ERIC PEREA
WISCONSIN DEPARTMENT OF TRANSPORTATION -
STREET LIGHTING
141 NW BARSTOW STREET
WAUKESHA, WI 53188
(262) 574-5422
ERIC.PEREA@DOT.WI.GOV

NICOLE SMULLEN
WE ENERGIES - GAS/PETROLEUM
A299
333 W EVERETT ST
MILWAUKEE, WI 53203
(414) 221-5617
NICOLE.SMULLEN@WECENERGYGROUP.COM

NICOLE SMULLEN
WE ENERGIES - ELECTRICITY
A299
333 W EVERETT ST
MILWAUKEE, WI 53203
(414) 221-5617
NICOLE.SMULLEN@WECENERGYGROUP.COM



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

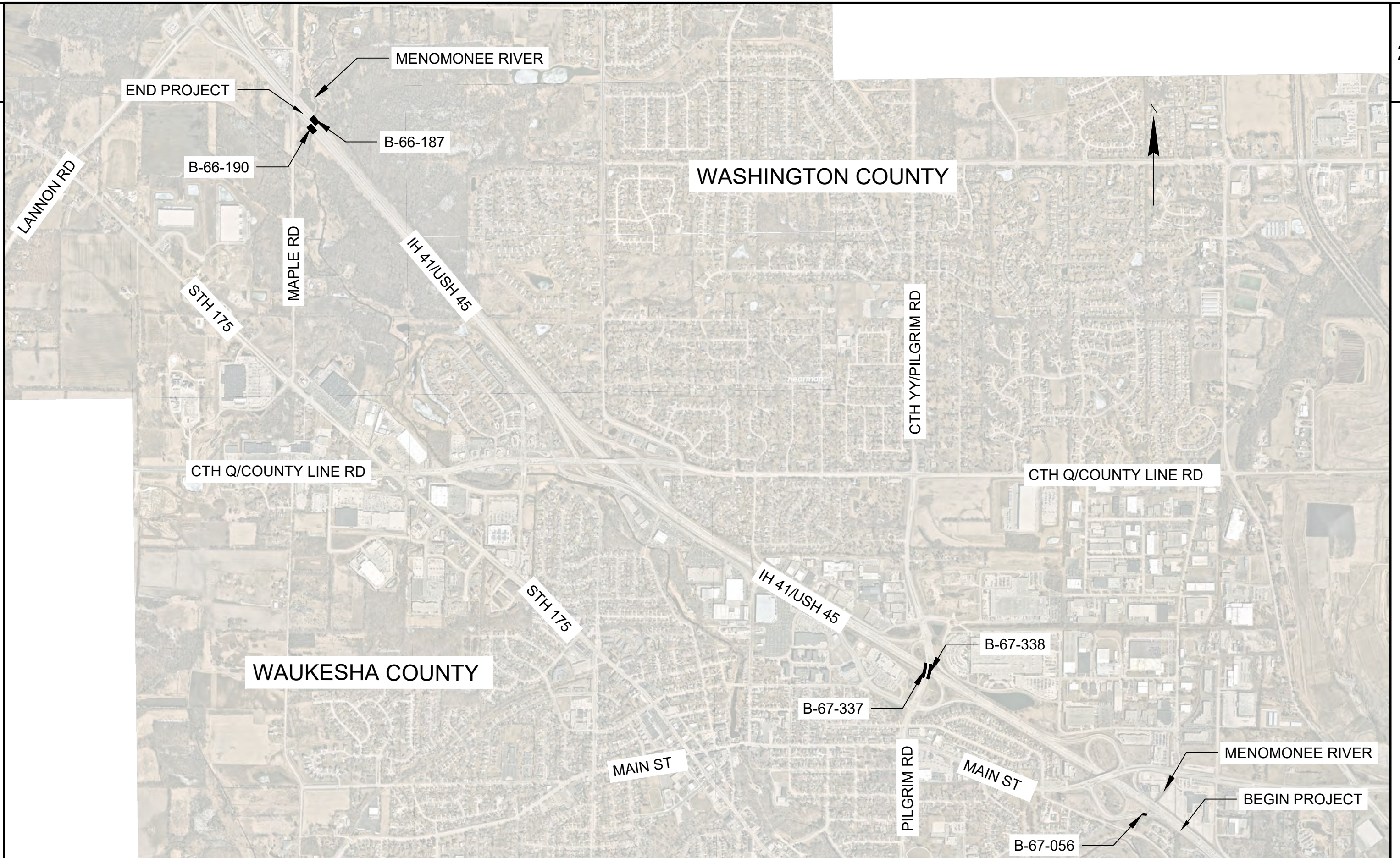
OTHER AGENCIES

MR. CHUCK SMELTZER, HWY MAINT.
MANAGER
MILWAUKEE COUNTY DPW
10190 W. WATERTOWN PLANK ROAD
MILWAUKEE, WI 53226
PHONE: (414) 257-6580
CSMELTZER@MILWCNTY.COM

MILWAUKEE, CITY OF
MR. JEFF POLENSKE, CITY ENGINEER
841 N. BROADWAY, ROOM 701
MILWAUKEE, WI 53202
PHONE: (414) 286-3701
FAX: (414) 286-5994
JEFFREY.POLENSKE@MILWAUKEE.GOV

ORDER OF SHEETS

TITLE SHEET
GENERAL NOTES
PROJECT OVERVIEW
PLAN DETAILS
PAVEMENT MARKING
STAGE CONSTRUCTION
TRAFFIC CONTROL
PERMANENT SIGNING PLAN
MISCELLANEOUS QUANTITIES
STRUCTURAL PLAN



PROJECT NO: 1100-17-74

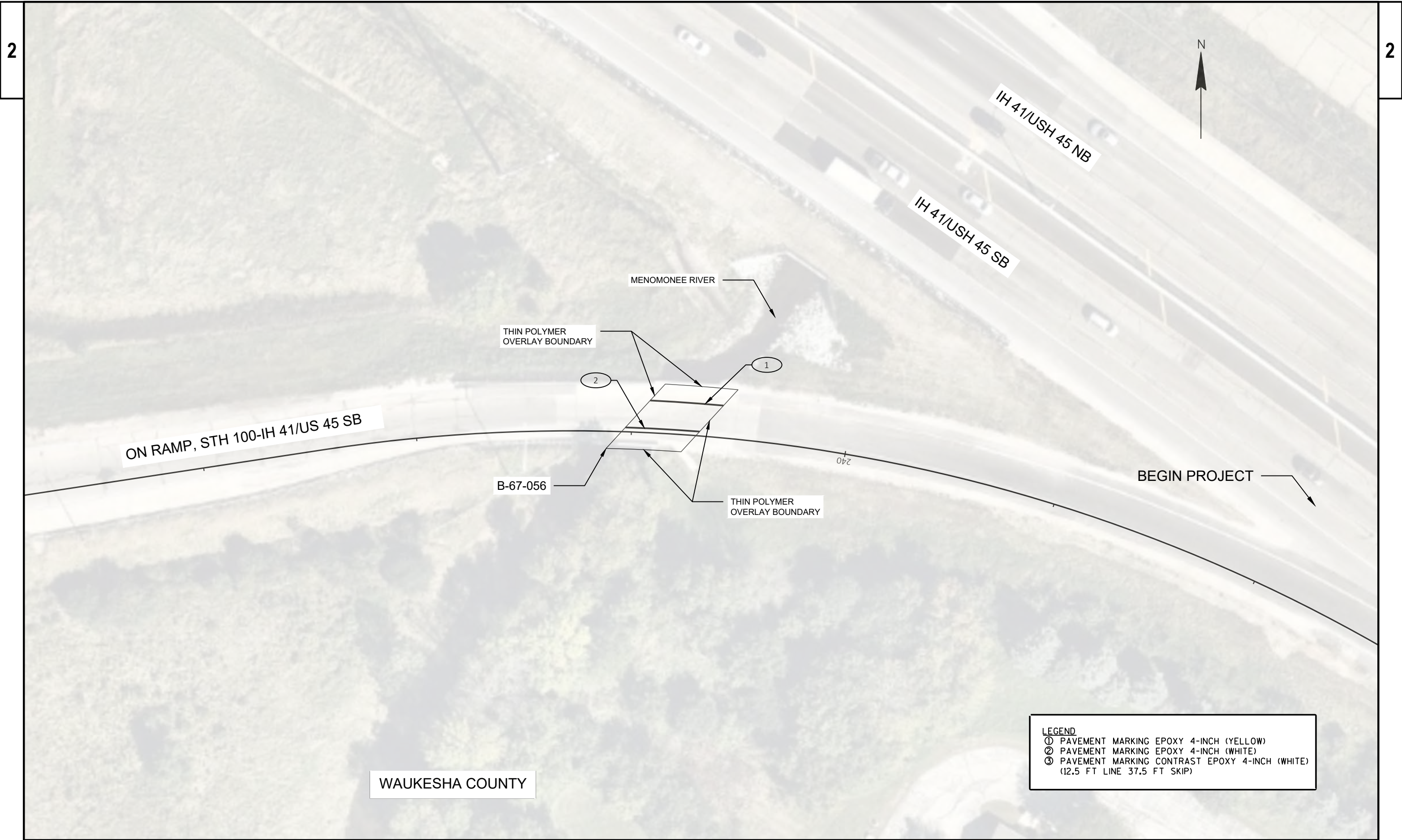
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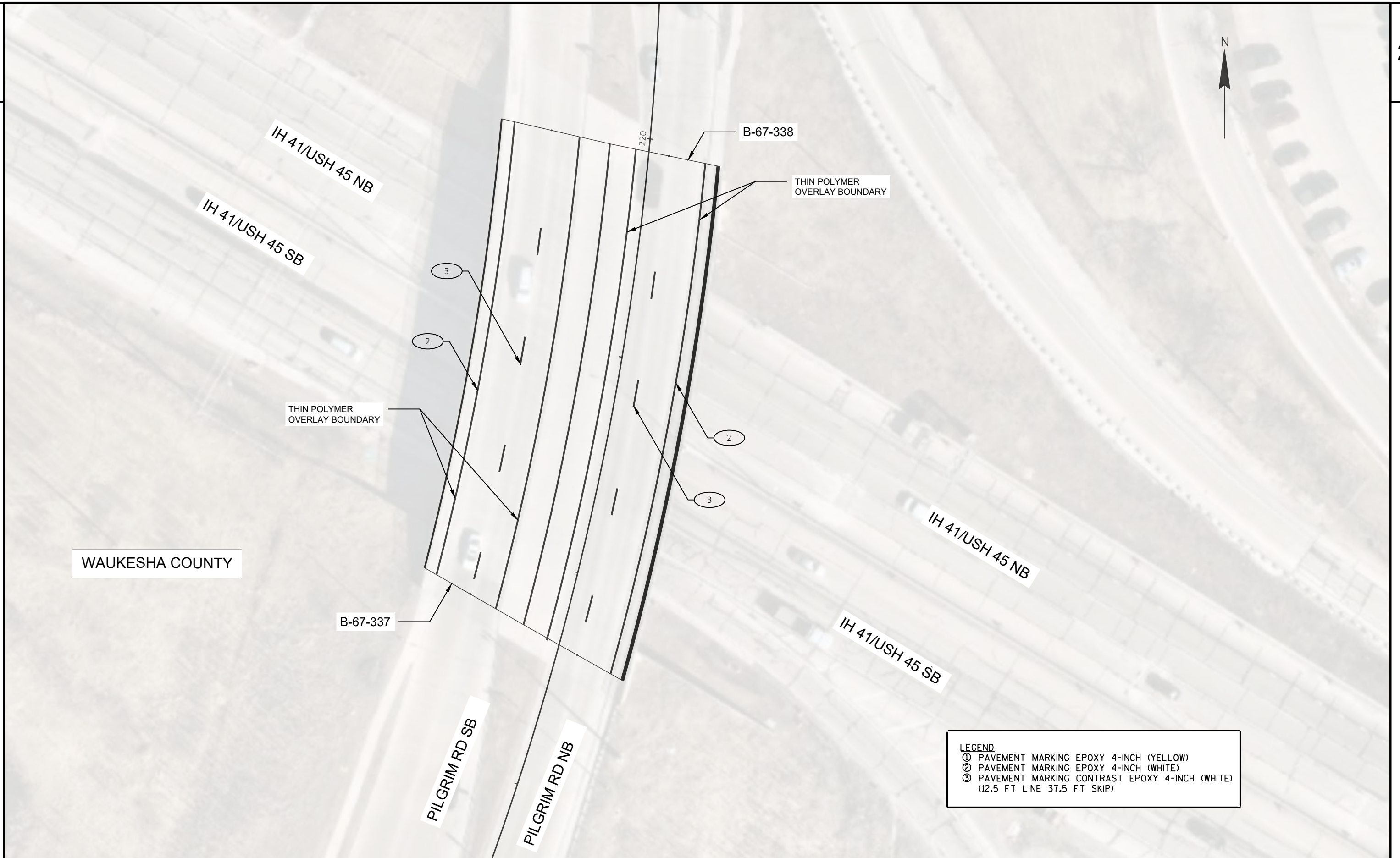
COUNTY: WAUKESHA & WASHINGTON

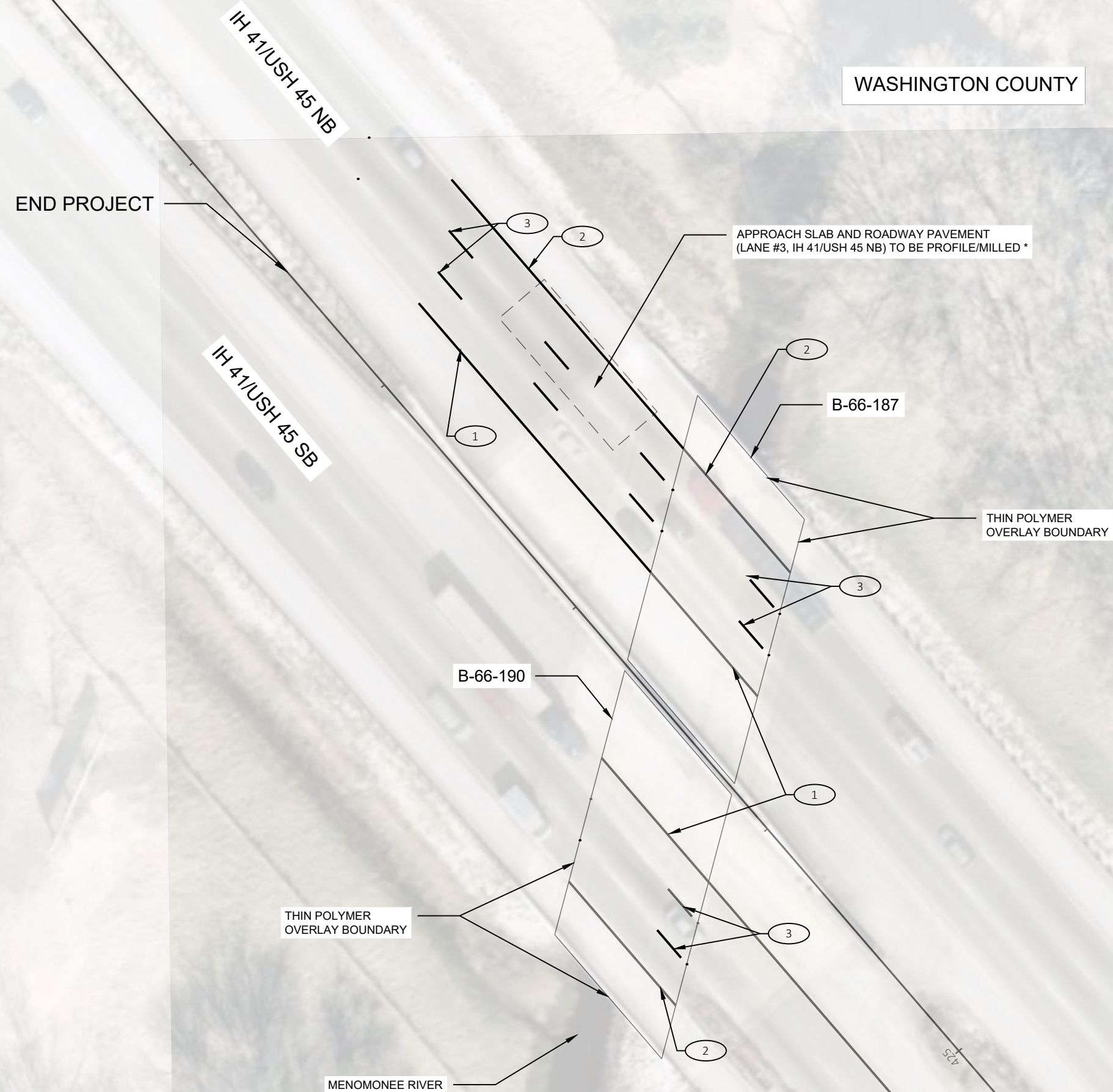
PLAN: PROJECT OVERVIEW

SHEET

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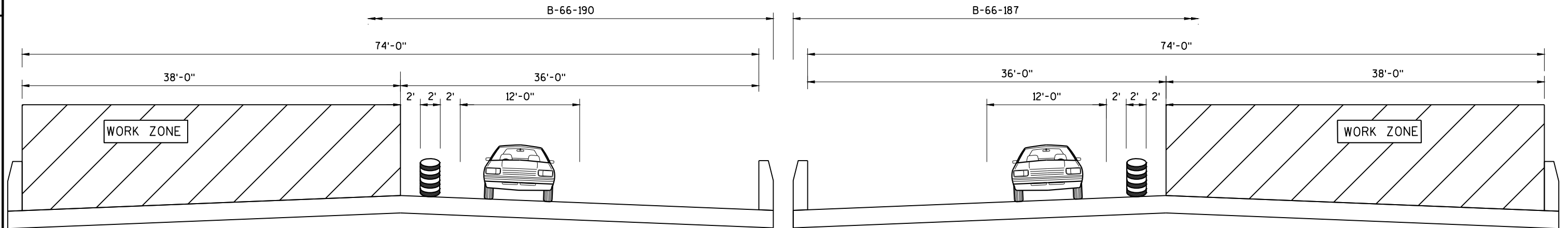


* REMOVE HIGHPOINT AT JOINT BETWEEN ROADWAY (ASPHALT PAVEMENT) AND NORTH END OF CONCRETE BRIDGE APPROACH. START BY REMOVING $\frac{1}{8}$ " AND CONTINUE TO GRIND FOR AN IMPROVED RIDE.

DO NOT REMOVE MORE THAN A DEPTH OF $\frac{1}{2}$ " CONCRETE FROM BRIDGE APPROACH.

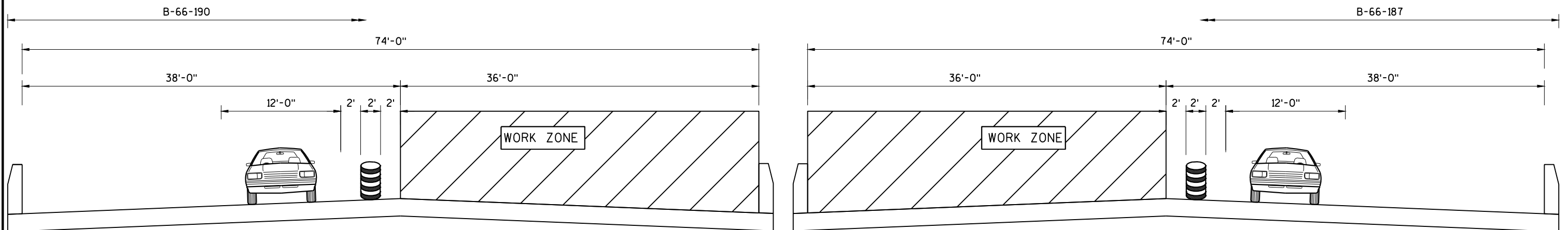
LEGEND

- ① PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- ② PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- ③ PAVEMENT MARKING CONTRAST EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)



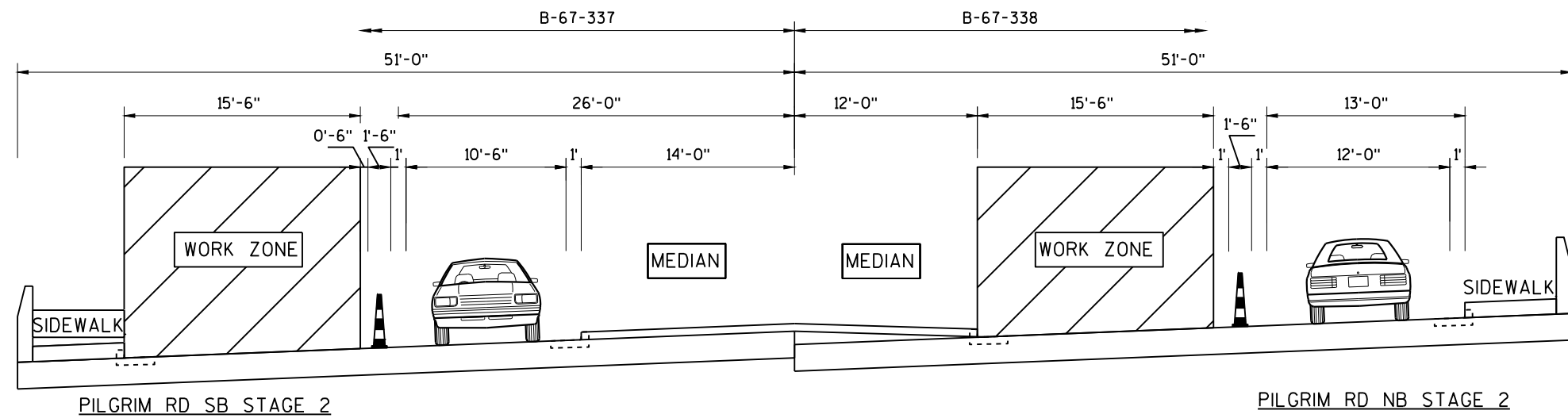
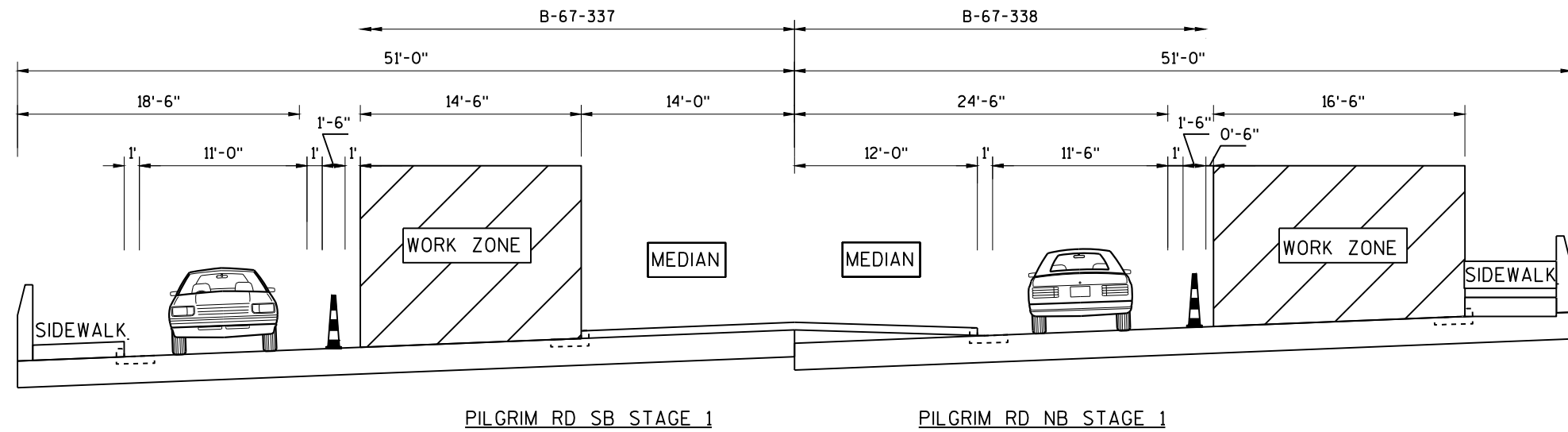
IH 41/USH 45 SB STAGE 1

IH 41/USH 45 NB STAGE 1



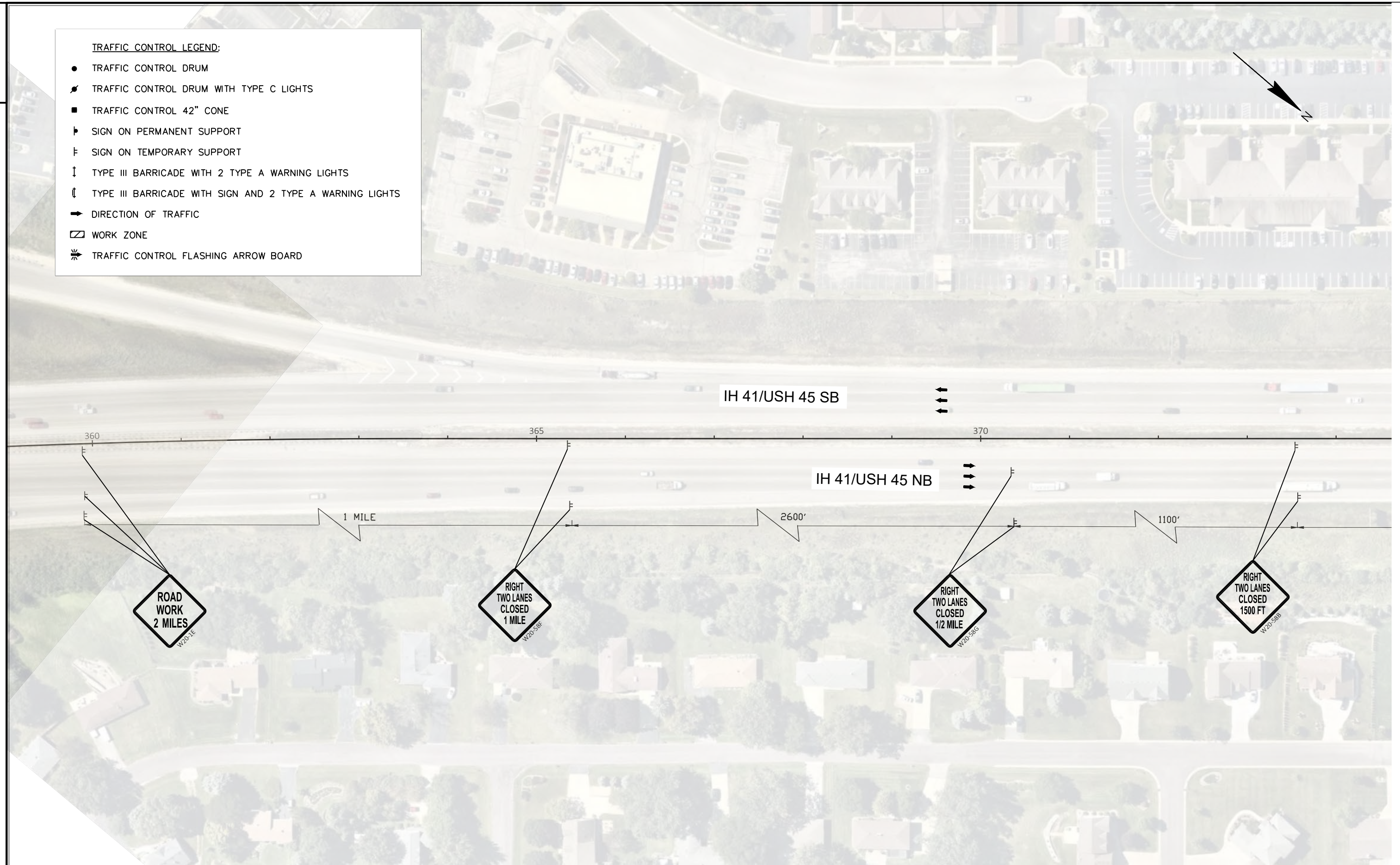
IH 41/USH 45 SB STAGE 2

IH 41/USH 45 NB STAGE 2



TRAFFIC CONTROL LEGEND:

- TRAFFIC CONTROL DRUM
- ⚡ TRAFFIC CONTROL DRUM WITH TYPE C LIGHTS
- TRAFFIC CONTROL 42" CONE
- └ SIGN ON PERMANENT SUPPORT
- └ SIGN ON TEMPORARY SUPPORT
- ↓ TYPE III BARRICADE WITH 2 TYPE A WARNING LIGHTS
- ⚡ TYPE III BARRICADE WITH SIGN AND 2 TYPE A WARNING LIGHTS
- ➔ DIRECTION OF TRAFFIC
- ▭ WORK ZONE
- ⚡ TRAFFIC CONTROL FLASHING ARROW BOARD



PROJECT NO: 1100-17-74

HWY: IH 41/USH 45

COUNTY: WAUKESHA & WASHINGTON

TRAFFIC CONTROL, IH 41/USH 45 STAGE 1

SHEET

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IH 41/USH 45 SB

IH 41/USH 45 NB



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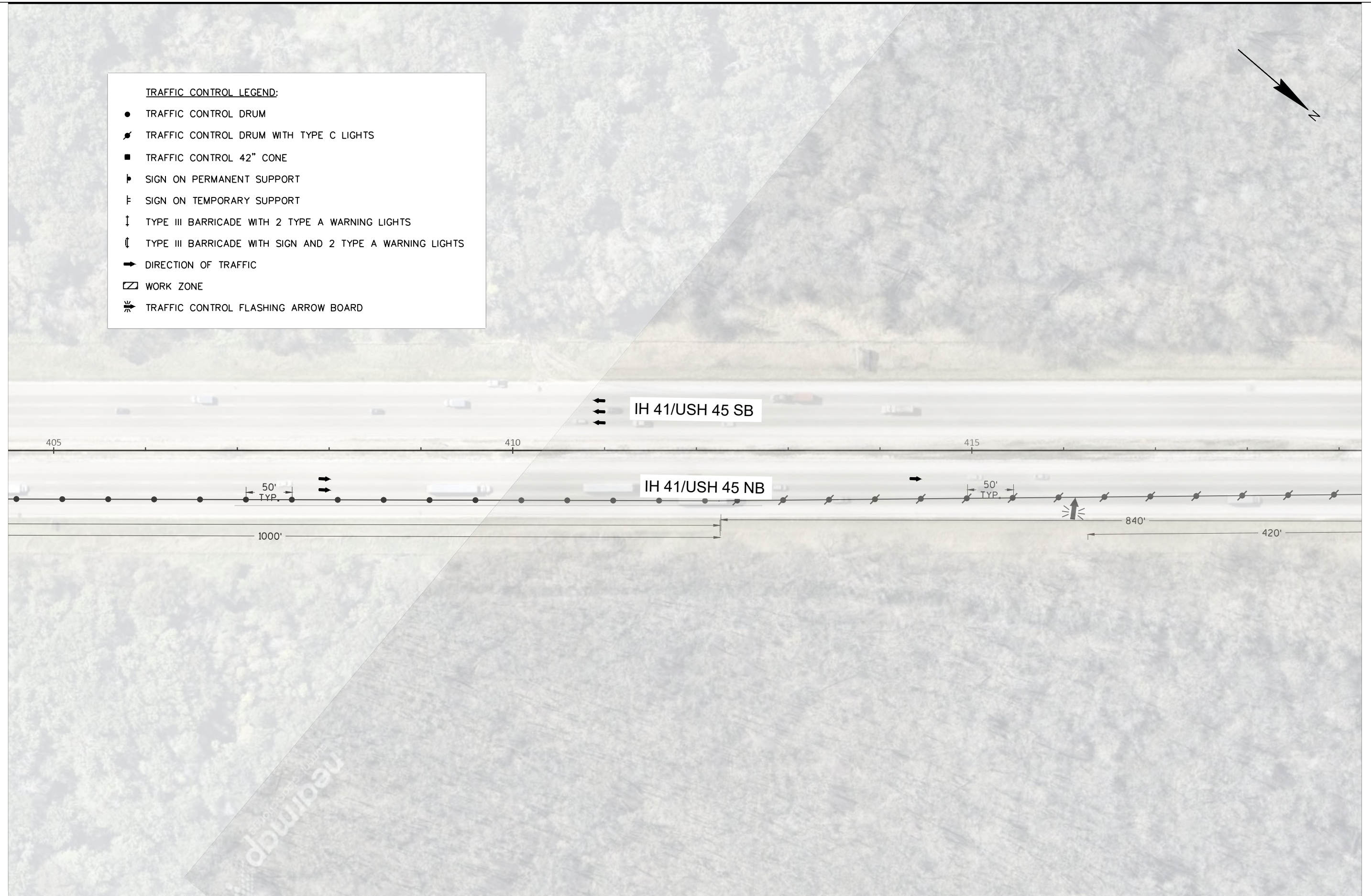
TRAFFIC CONTROL, IH 41/USH 45 STAGE 1

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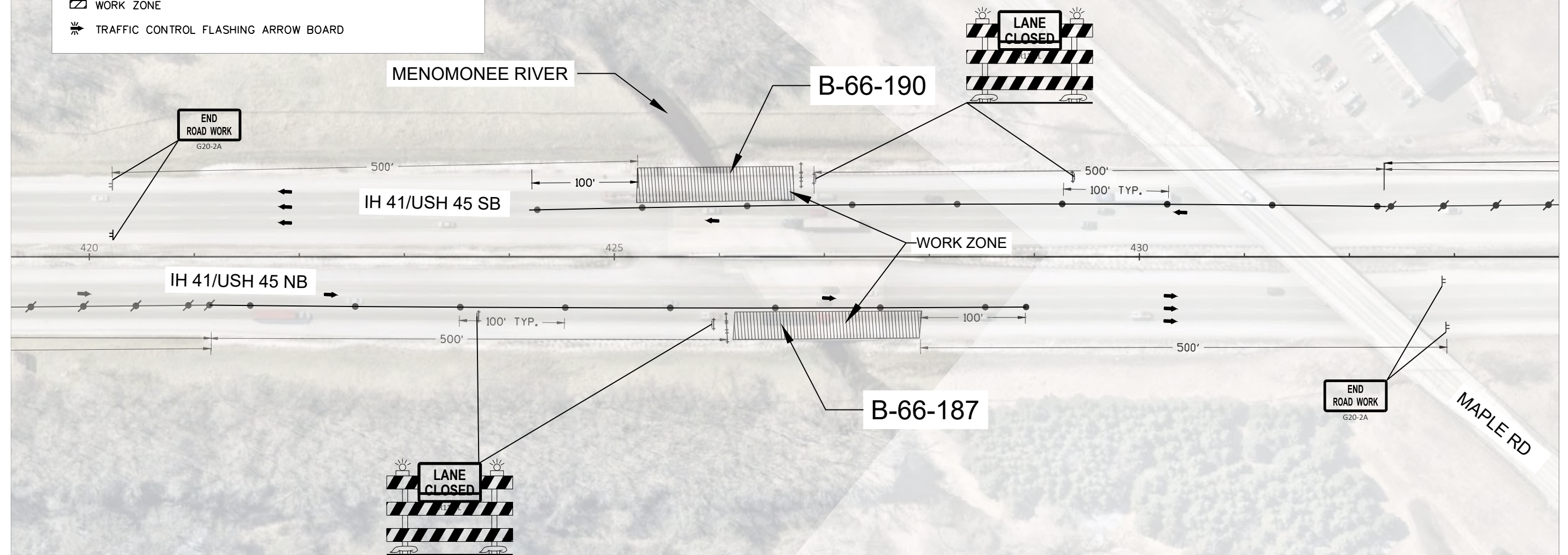
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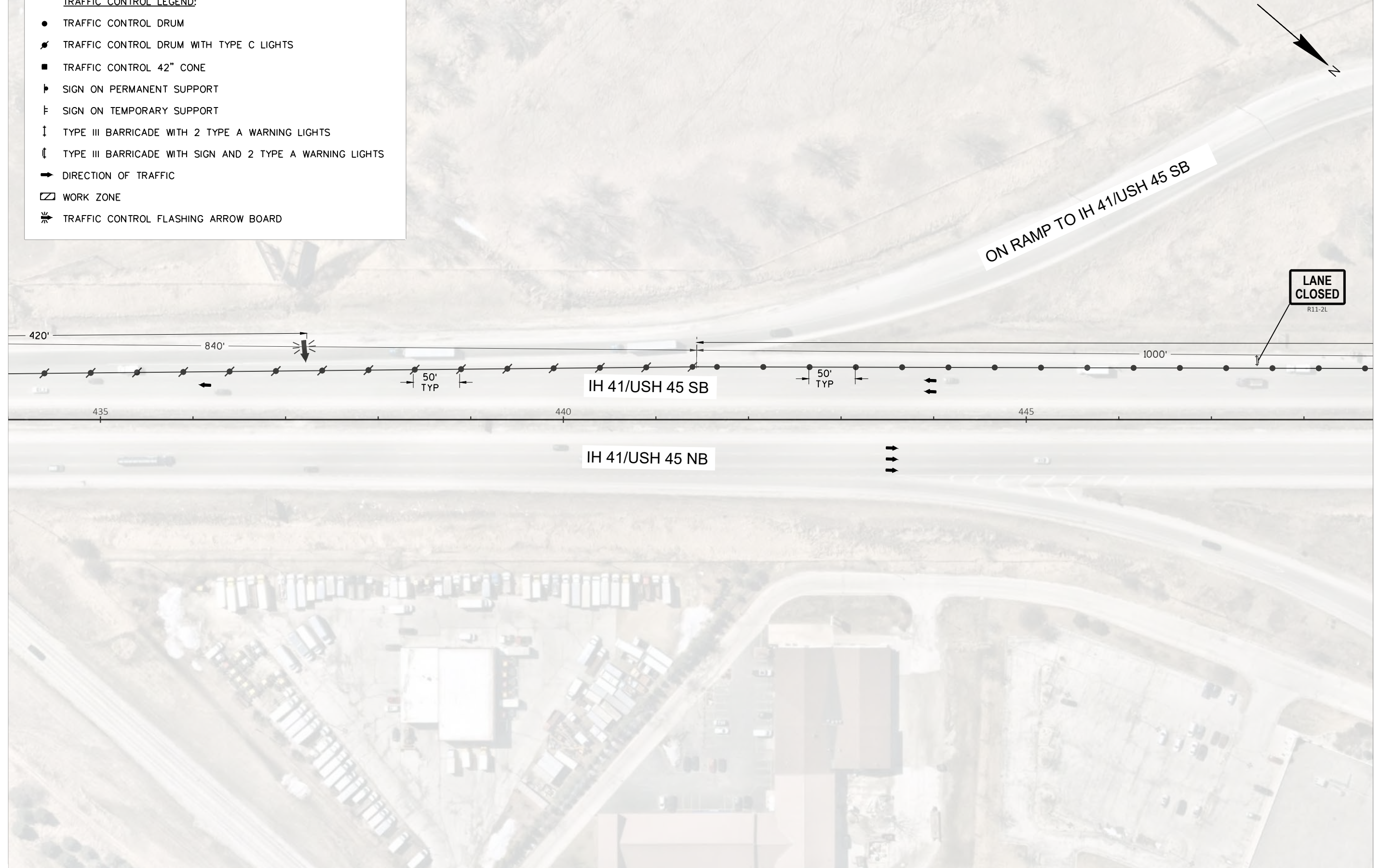
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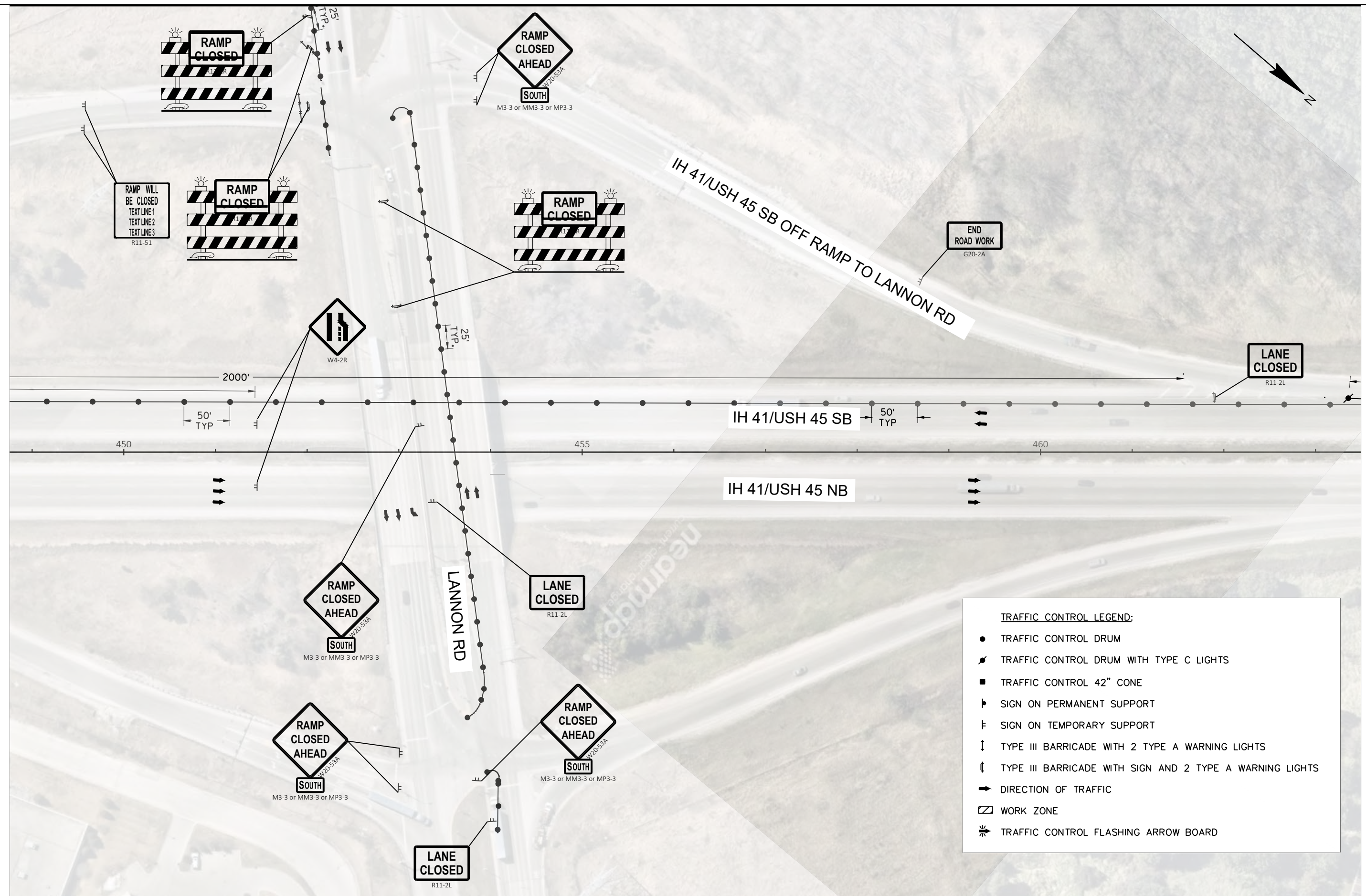
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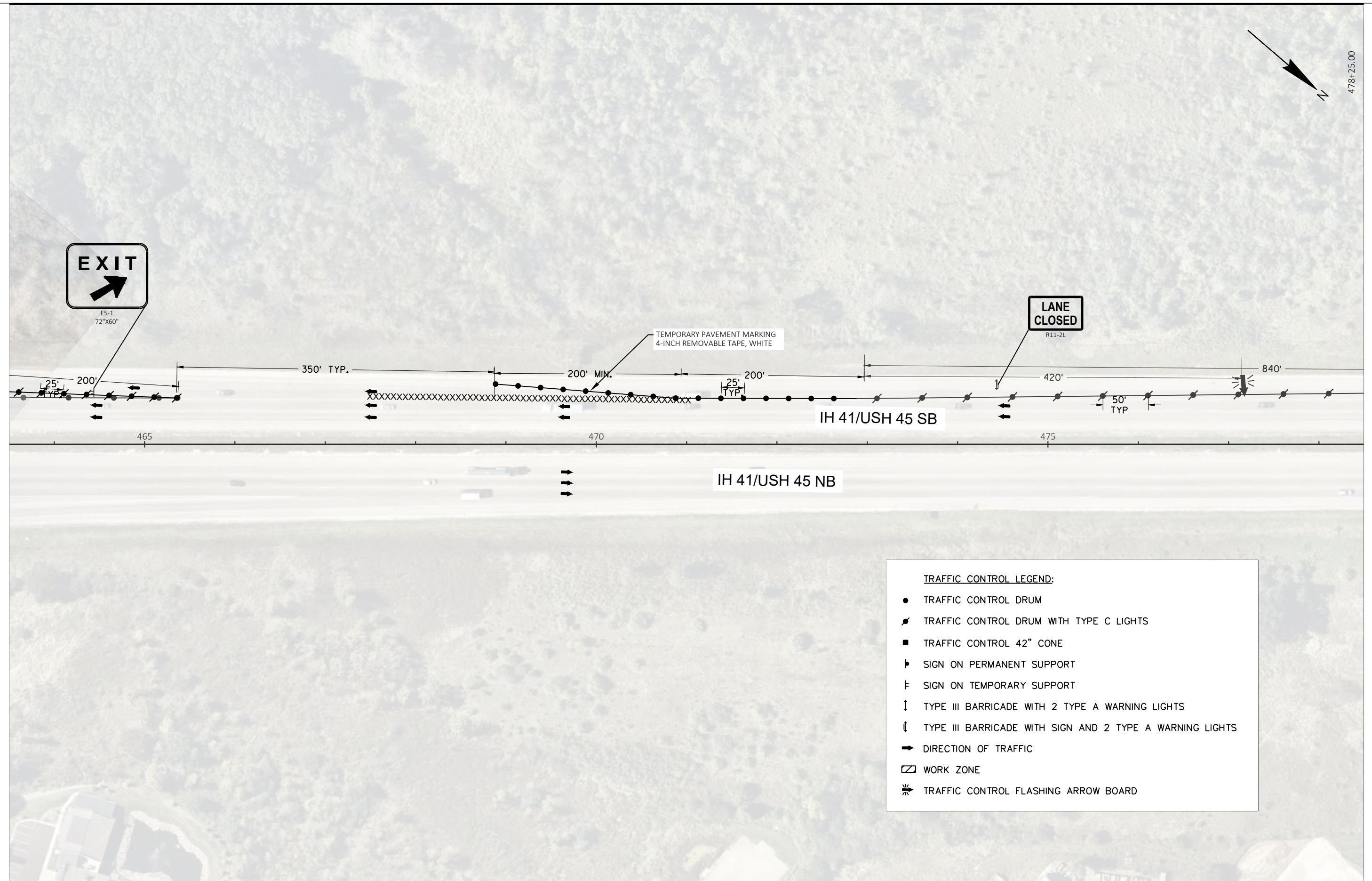
COUNTY: WAUKESHA & WASHINGTON

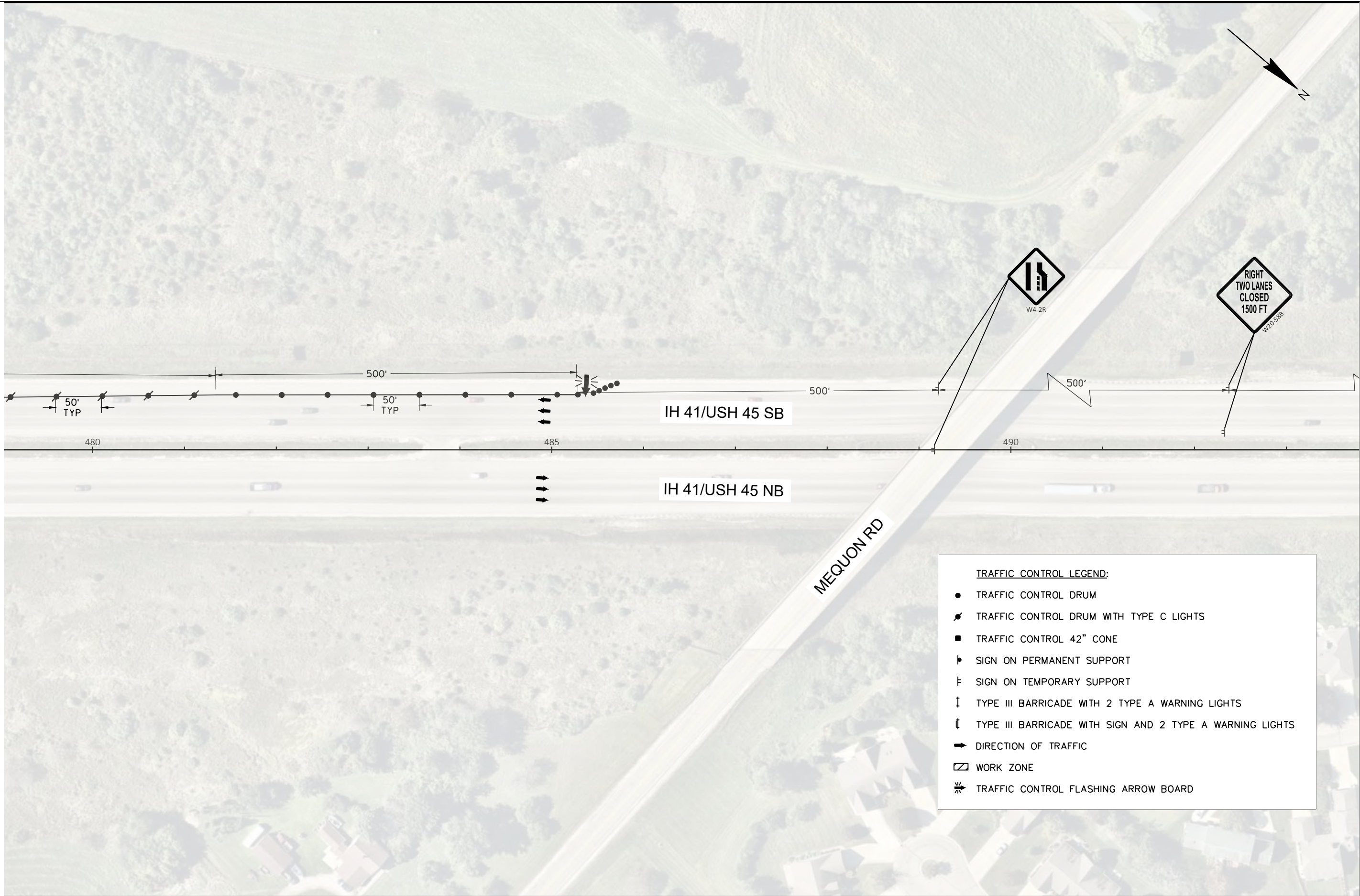
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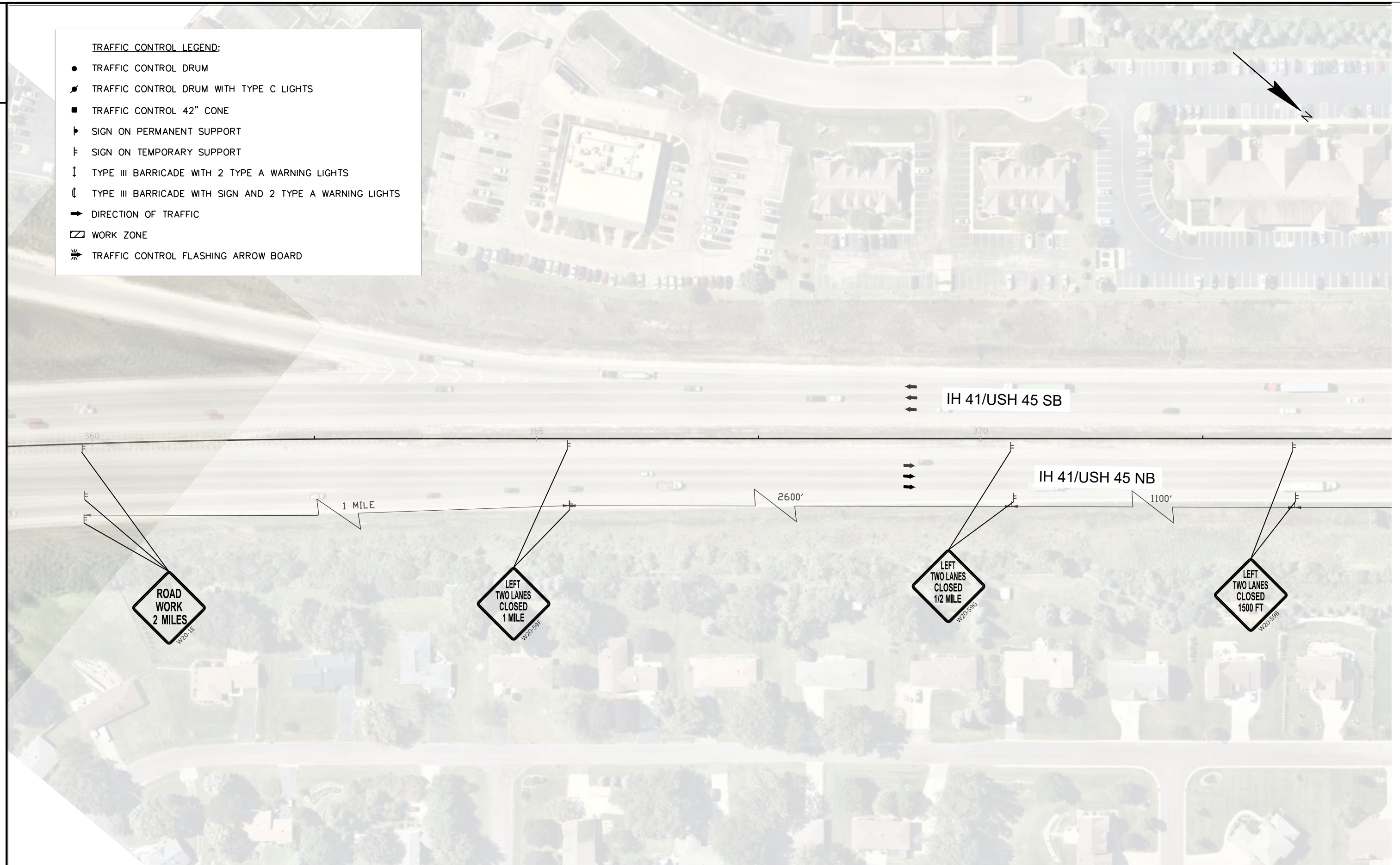






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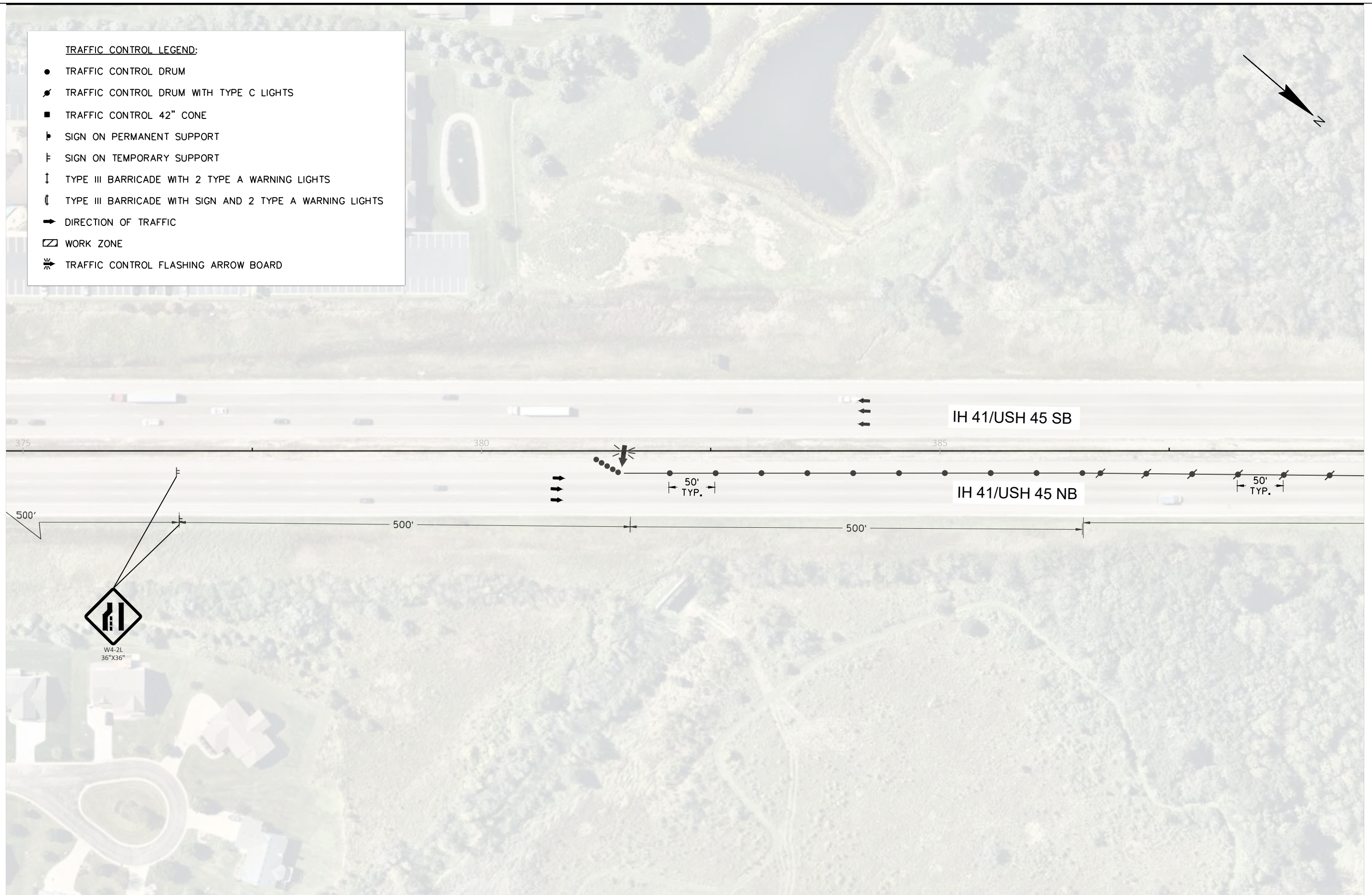
TRAFFIC CONTROL, IH 41/USH 45 STAGE 2

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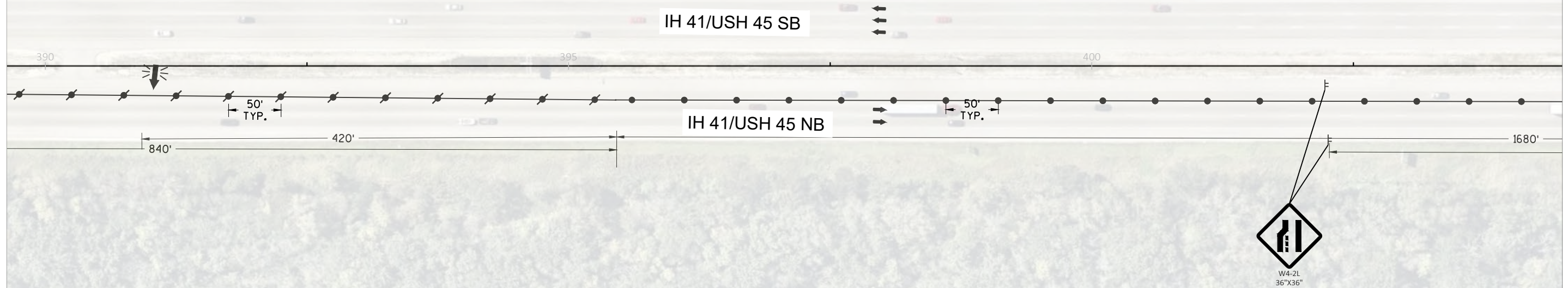
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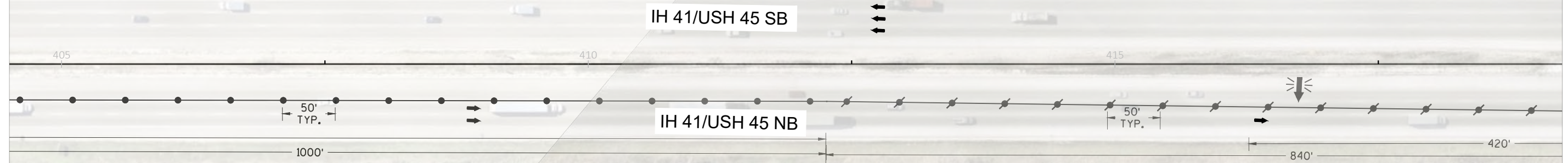
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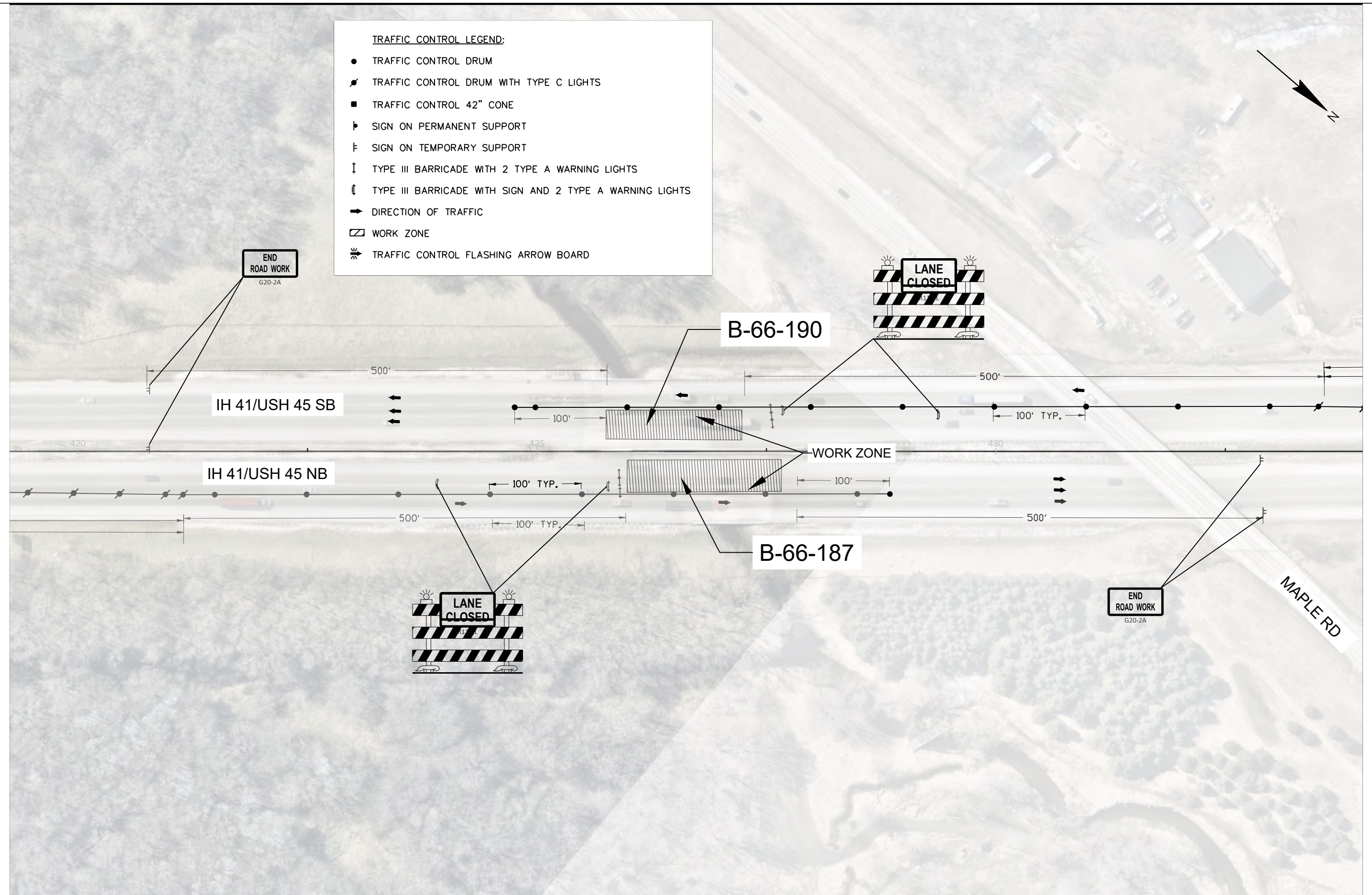
TRAFFIC CONTROL, IH 41/USH 45 STAGE 2

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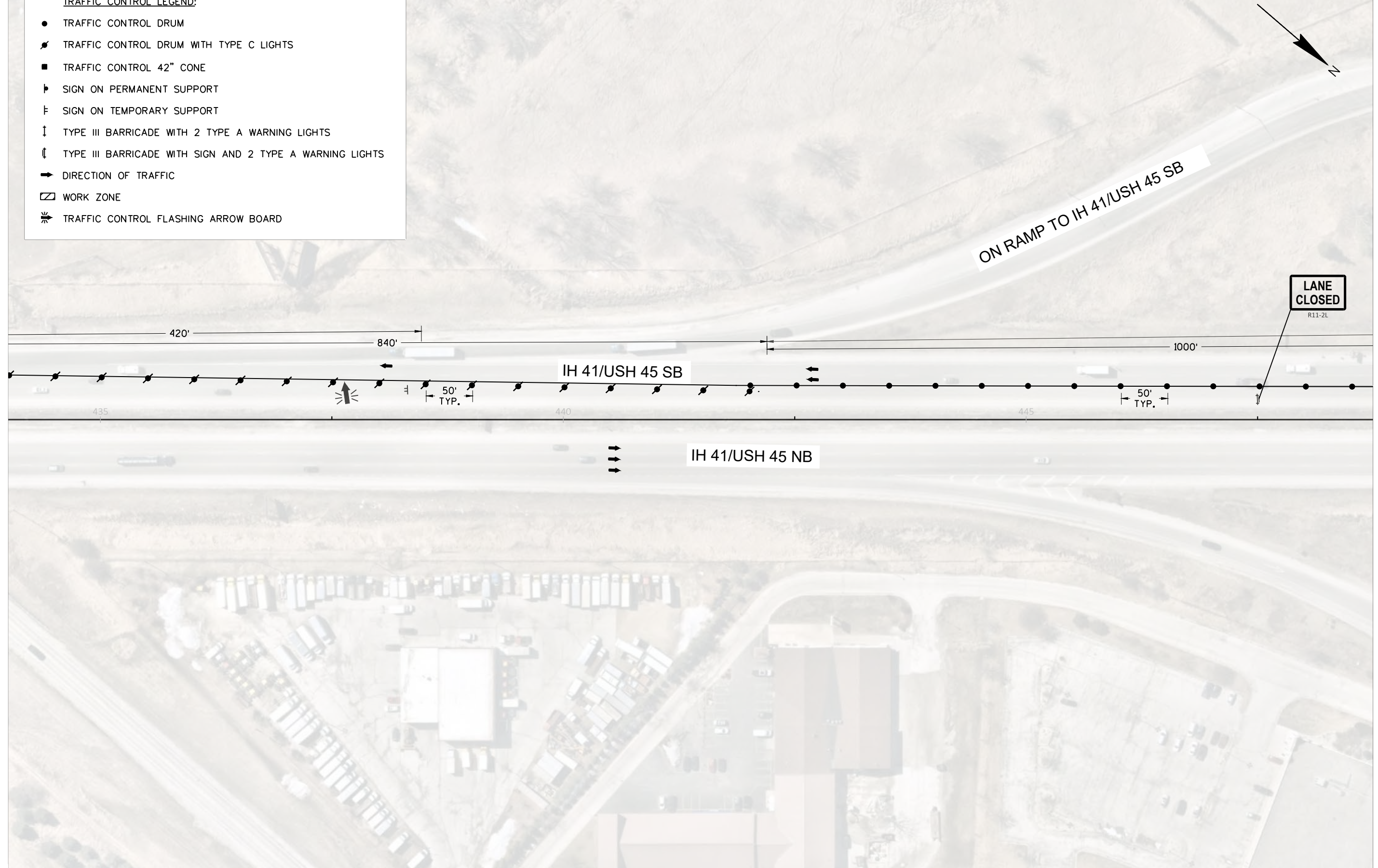
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PROJECT NO: 1100-17-74

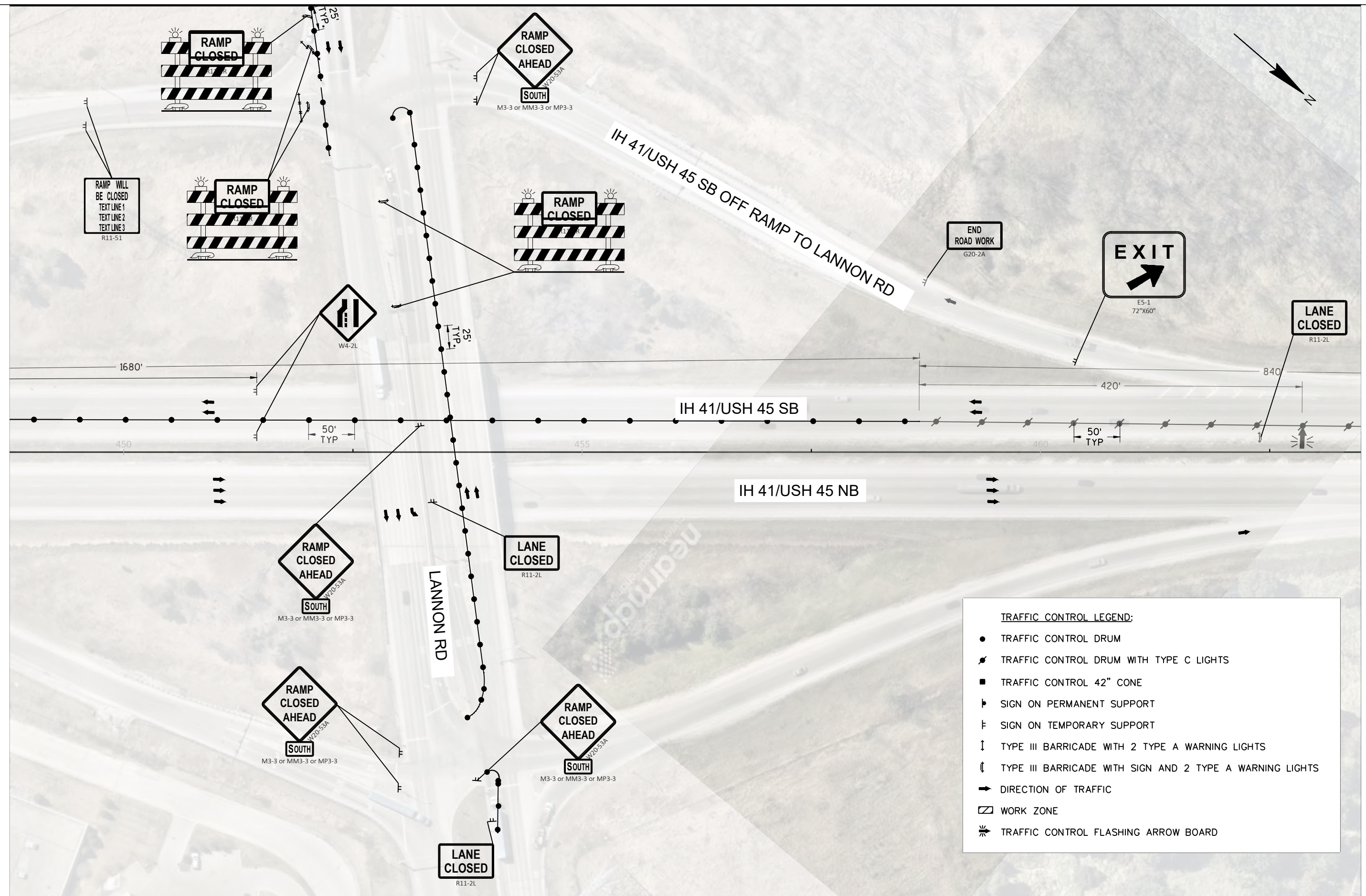
HWY: IH 41/USH 45

COUNTY: WAUKESHA & WASHINGTON

TRAFFIC CONTROL, IH 41/USH 45 STAGE 2

SHEET

E



PROJECT NO: 1100-17-74

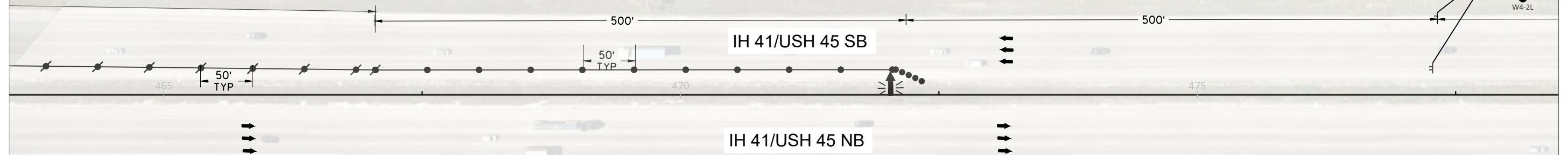
HWY: IH 41/USH 45

COUNTY: WAUKESHA & WASHINGTON

TRAFFIC CONTROL, IH 41/USH 45 STAGE 2

SHEET

E

**TRAFFIC CONTROL LEGEND:**

- TRAFFIC CONTROL DRUM
- ⚡ TRAFFIC CONTROL DRUM WITH TYPE C LIGHTS
- TRAFFIC CONTROL 42" CONE
- ▮ SIGN ON PERMANENT SUPPORT
- ⌄ SIGN ON TEMPORARY SUPPORT
- ⌄ TYPE III BARRICADE WITH 2 TYPE A WARNING LIGHTS
- ⌄ TYPE III BARRICADE WITH SIGN AND 2 TYPE A WARNING LIGHTS
- ➡ DIRECTION OF TRAFFIC
- ▨ WORK ZONE
- ⚡ TRAFFIC CONTROL FLASHING ARROW BOARD

PROJECT NO: 1100-17-74

HWY: IH 41/USH 45

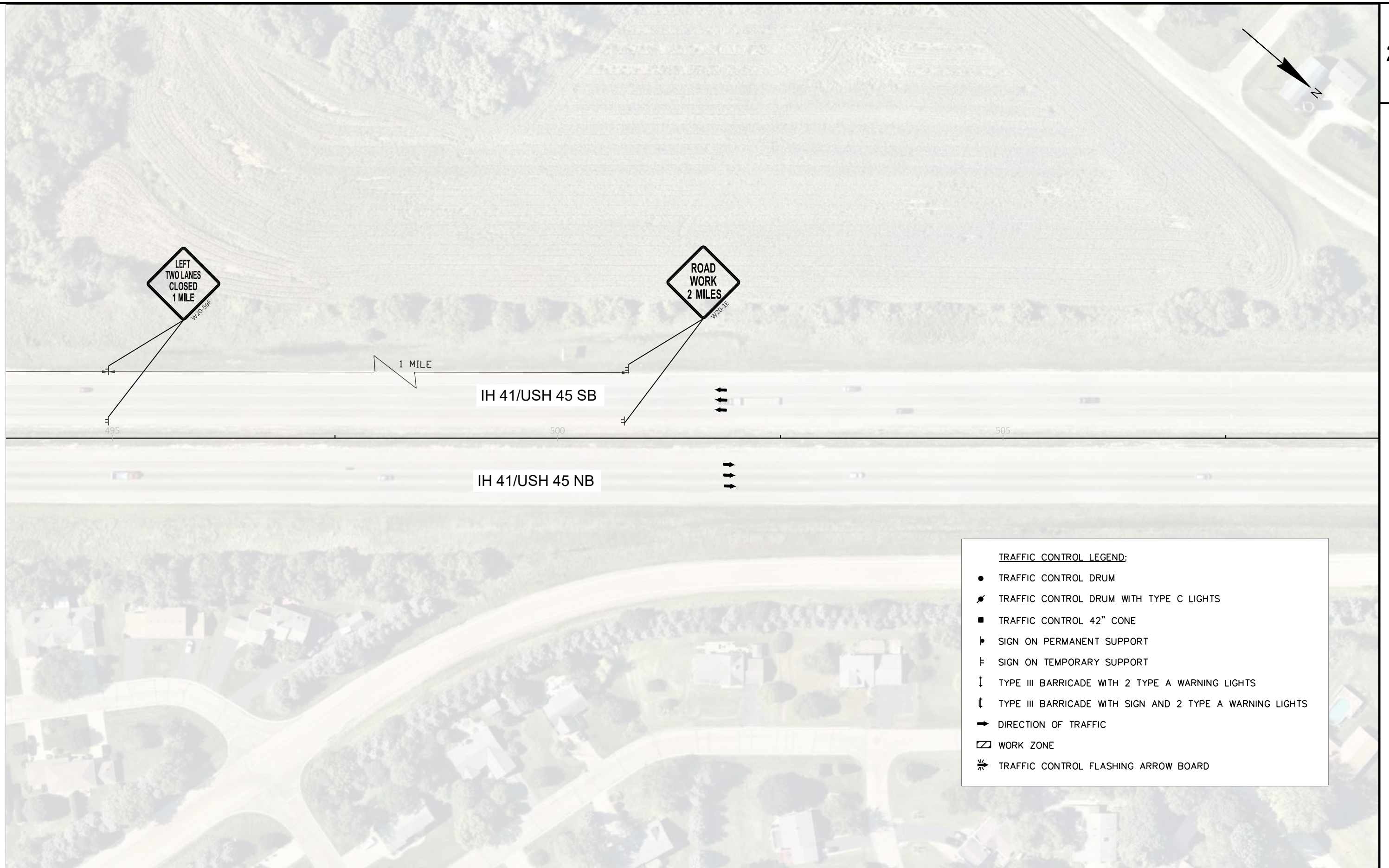
COUNTY: WAUKESHA & WASHINGTON

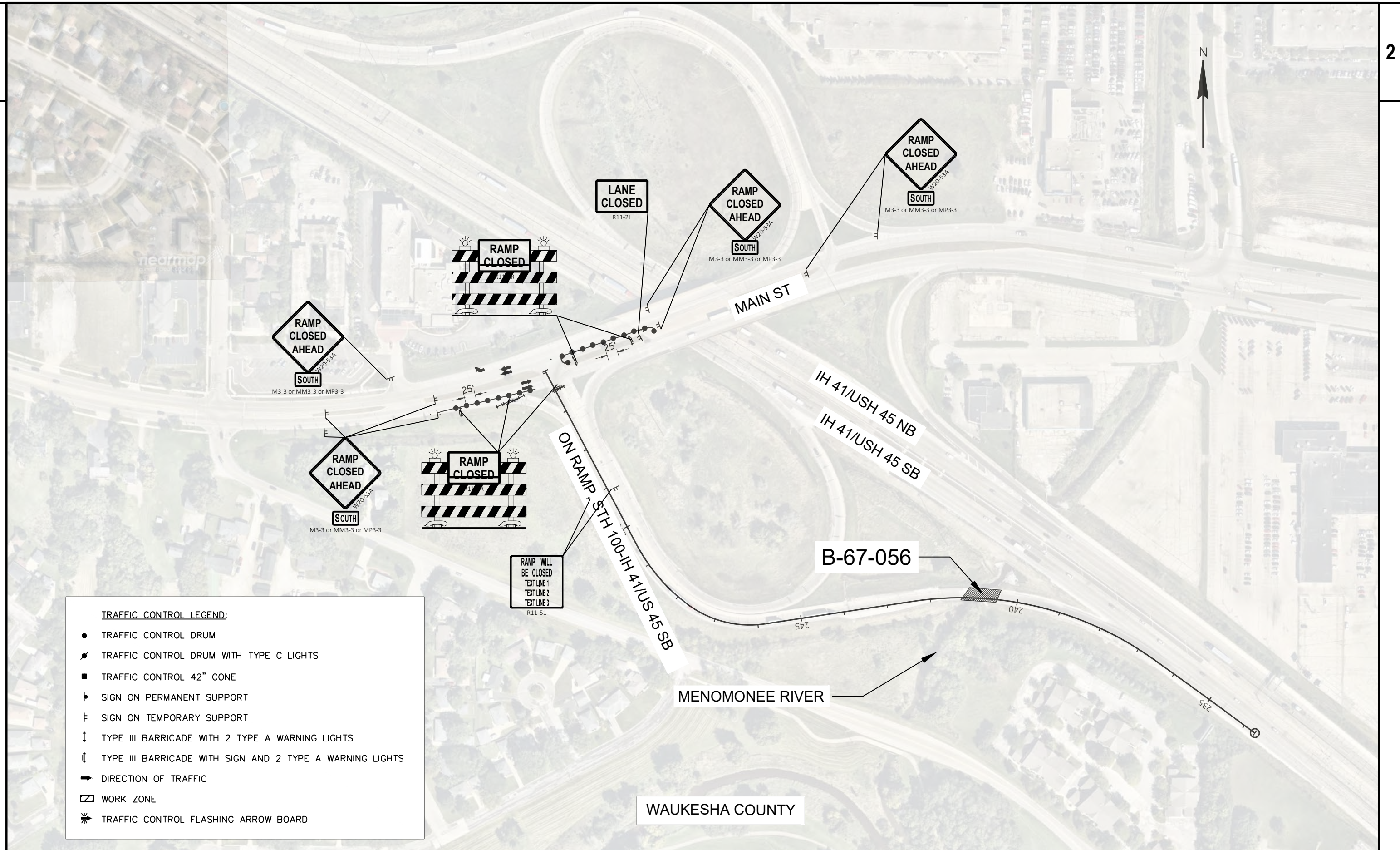
TRAFFIC CONTROL, IH 41/USH 45 STAGE 2

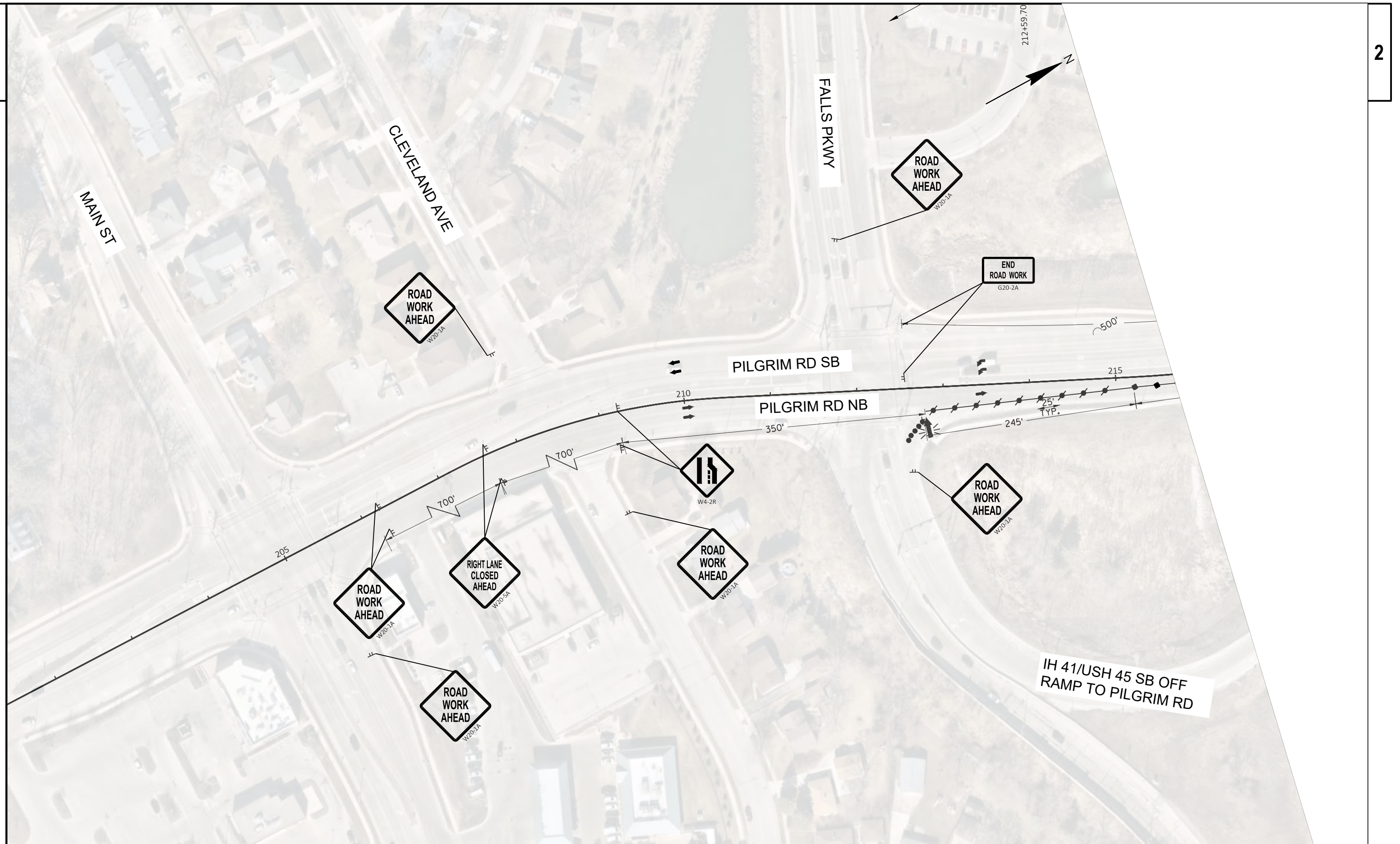
SHEET

E









PROJECT NO: 1100-17-74

HWY: IH 41/USH 45

COUNTY: WAUKESHA & WASHINGTON

TRAFFIC CONTROL, PILGRIM RD, STAGE 1

SHEET

E

FOR ADDITION LATERAL
CLEARANCE, TRAFFIC
CONTROL 42" CONE OVER
BRIDGE AND APPROACH (TYP.)



B-67-338

B-67-337



PILGRIM RD SB



IH 41/USH 45 NB OFF
RAMP TO PILGRIM RD SB

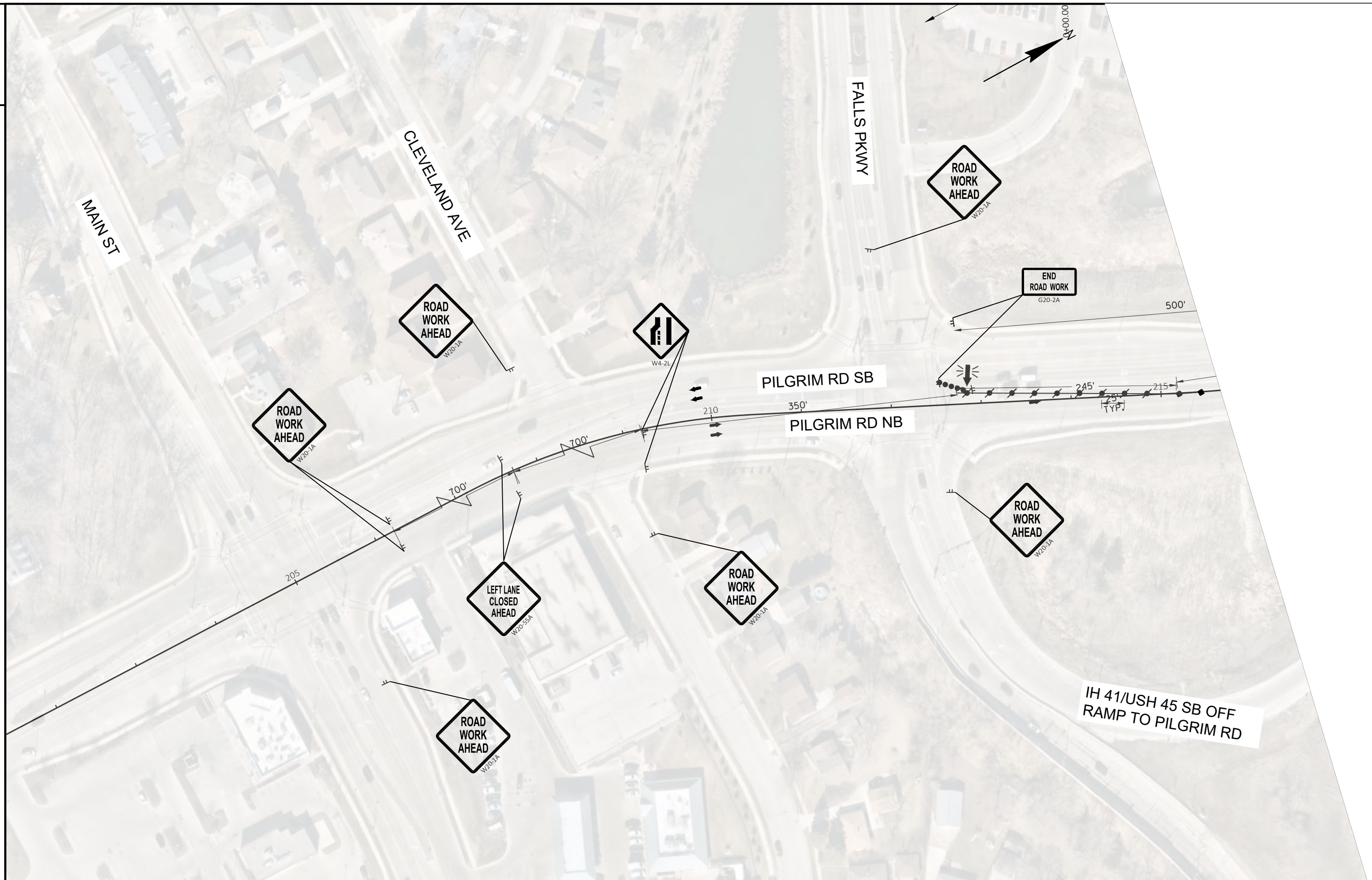
ON RAMP, IH 41/USH 45 NB



MEGAL DR

END
ROAD WORK
G20-2A





PROJECT NO: 1100-17-74

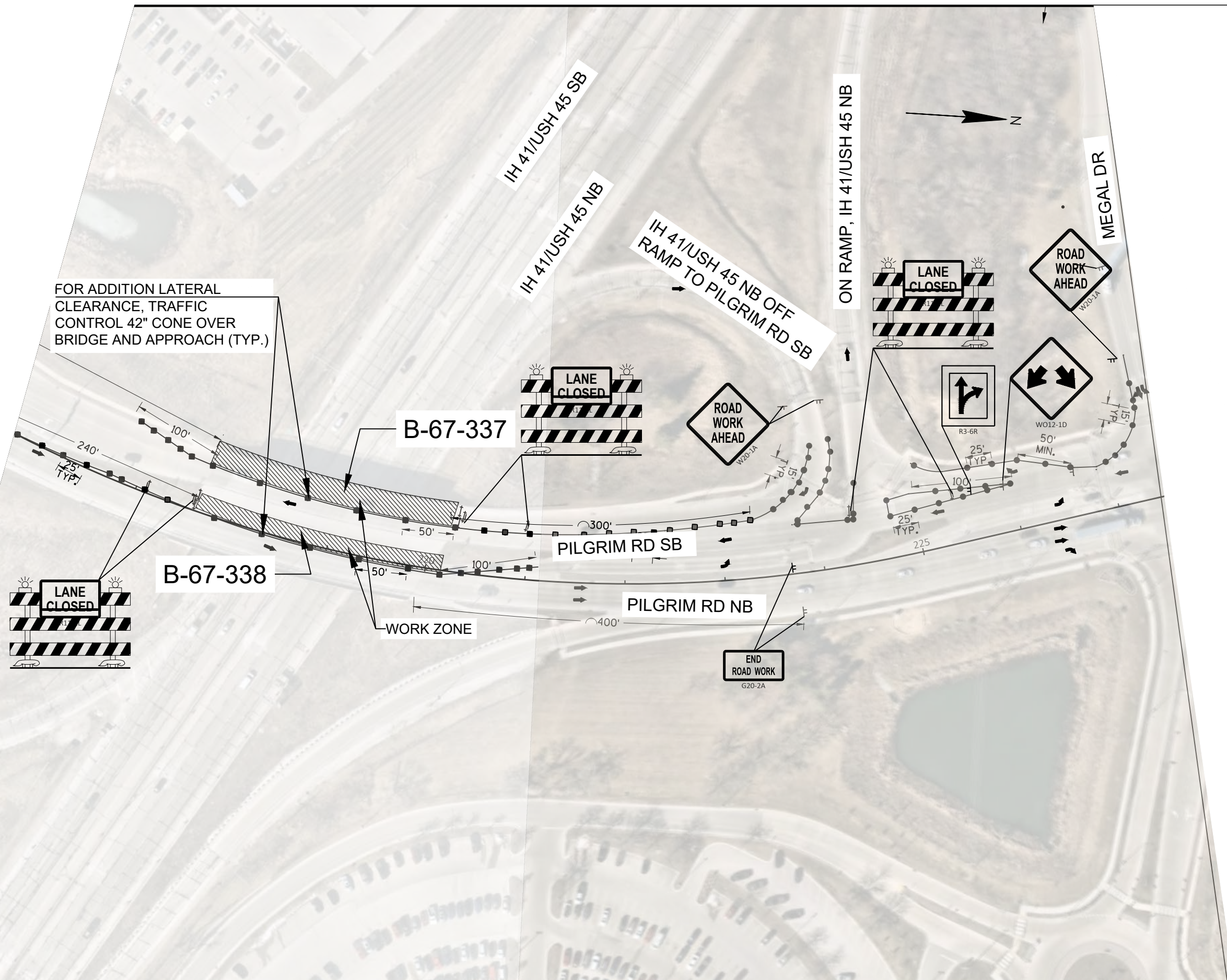
HWY: IH 41/USH 45

COUNTY: WAUKESHA & WASHINGTON

TRAFFIC CONTROL, PILGRIM RD, STAGE 2

SHEET

E





ROADWAY				
PROJECT 1100-17-74		SPV.0075.0001	SPV.0075.0002	
		PAVEMENT CLEANUP PROJECT (1100-17-74)	PROFILE MILLING (1100-17-74)	
CATEGORY	ROADWAY	STATION	HRS	HRS
1000	IH 41/USH 45 (NB) NORTH OF B-66-187	-	-	8
	IH 41/USH 45 PROJECT AREA		50	-
			50	8

EROSION CONTROL					
PROJECT 1100-17-74		628.1905	628.1910	628.7020	
		MOBILIZATIONS EROSION CONTROL	MOBILIZATIONS EMERGENCY EROSION CONTROL	INLET PROTECTION TYPE D	
CATEGORY	ROADWAY	STATION	EACH	EACH	EACH
1000	UNDISTRIBUTED		2	1	4
	TOTAL		2	1	4

TRAFFIC CONTROL SIGNS FIXED MESSAGE						
PROJECT 1100-17-74						643.1000 TRAFFIC CONTROL SIGNS FIXED MESSAGE
CATEGORY	ROADWAY	LOCATION	DESCRIPTION	SIGN # & SIZE	NUMBER	SF
1000	IH 41/USH 45		ROAD WORK NEXT --- MILES	G20-1 (5'x2')	8	80
			END ROAD WORK	G20-2A (5'x2)	7	56
			PILOT CAR FOLLOW ME	G20-4 (3'x1.5')	2	9
			DETOUR NEXT --- MILES	G20-51 (5x2)	2	20
			ALT ROUTE FOLLOW HWY	G20-52 & G20-53	3	114
			ROAD WORK -- MILES AHEAD	G20-55 (6.5x2)	4	52
			HWY --- RAMP CLOSED USE EXIT ---	G20-56	1	45
			HWY --- UNDER CONST	G20-57 (8x4)	3	96
			HWY ---BRIDGE WORK BEGINS XXX-XX	G20-57B	1	32
			RAMP CLOSED BEGINNING XXX- XX	G20-58	1	30
			NARROW LANES AND WIDTHS	G20-59 (10x7)	1	70
			CLOSED	G20-60 (9x2)	1	18
			CLOSED	G20-61 (10x2.5)	1	25
			CLOSED	G20-62 (4x2)	1	8
			RAMP CLOSED	G20-63 (6x1)	1	6
			RAMP CLOSED	G20-64 (12x2.5)	1	30
			EXIT XX	G20-65	1	13
			NEXT RIGHT	G20-66	1	12
			NEXT LEFT	G20-67	1	11
					TOTAL	727

TRAFFIC CONTROL ITEMS																	
PROJECT 1100-17-74				643.0300		643.0420		643.0715		643.0800		643.0900		643.1050		643.1070	
				TRAFFIC CONTROL DRUMS		TRAFFIC CONTROL BARRICADES TYPE III		TRAFFIC CONTROL WARNING LIGHTS TYPE C		TRAFFIC CONTROL ARROW BOARDS		TRAFFIC CONTROL SIGNS		TRAFFIC CONTROL SIGNS PCMS		TRAFFIC CONTROL CONES 42-INCH	
CATEGORY	ROADWAY	STATION	DURATION*	EACH*	DAY	EACH*	DAY	EACH*	DAY	EACH*	DAY	EACH*	DAY	EACH*	DAY	EACH*	DAY
1000	IIH 41/USH 45 NB STAGE 1	-	3	96	288	16	48	36	108	3	9	17	51	-	-	-	-
	IIH 41/USH 45 NB STAGE 2		3	96	288	16	48	36	108	3	9	40	120	-	-	-	-
	IIH 41/USH 45 SB STAGE 1		3	135	405	16	48	36	108	3	9	17	51	-	-	-	-
	IIH 41/USH 45 SB STAGE 2		3	97	291	16	48	36	108	3	9	39	117	-	-	-	-
	PILGRIM RD NB STAGE 1		3	16	48	5	15	11	33	1	3	15	45	-	-	25	75
	PILGRIM RD NB STAGE 2	-	3	16	48	5	15	11	33	1	3	15	45	-	-	25	75
	PILGRIM RD SB STAGE 1	-	3	68	204	9	27	11	33	1	3	21	63	-	-	31	93
	PILGRIM RD SB STAGE 2	-	3	97	291	10	30	11	33	1	3	17	51	-	-	27	81
	STH 100 ON RAMP ISH 41/USH 45 SB	-	3	22	66	13	39	-	-	-	-	26	78	-	-	-	-
	UNDISTRIBUTED	-	-	-	200	-	25	-	50	-	6	-	100	5	15	-	20
TOTAL				2,129		343		614		54		721		15		344	

FOR INFORMATION ONL

TRAFFIC CONTROL CLOSURES			
		643.4100.S	SPV.0060.0002
		TRAFFIC CONTROL INTERIM LANE CLOSURE	TRAFFIC CONTROL CLOSE-OPEN FREEWAY ENTRANCE RAMP
CATEGORY	ROADWAY	EACH	EACH
	STH 100 ON RAMP ISH 41/USH 45 SB	-	1
	Pilgrim Rd (NB & SB)	8	-
	IH 41/USH 45	8	2
	TOTAL	16	3

PAVEMENT MARKING							
PROJECT 1100-17-74				SPV.0090.0001	646.1020		649.0120
				MARKING LINE CONTRAST EPOXY 4-INCH	MARKING LINE EPOXY 4-INCH		TEMPORARY MARKING LINE EPOXY 4-INCH
				WHITE	WHITE	YELLOW	WHITE
CATEGORY	ROADWAY	STATION	LOCATION	LF	LF	LF	LF
1000	IIH 41/USH 45 NB	426+00-427+00	B-66-187	120	200	200	520
	IIH 41/USH 45 SB		B-66-190	60	100	100	260
	PILGRIM RD NB	217+00-220+00	B-67-338	80	300	300	680
	PILGRIM RD SB		B-67-337	80	300	300	680
	STH 100 ON RAMP ISH 41/USH 45 SB	240+00-241+00	B-67-056	-	100	100	200
	UNDISTRIBUTED			100	200	200	-
			SUB-TOTAL	440	1200	1200	2340
TOTAL				440	2400		2340

EPlans Preliminary Sheet Numbering Tool

This sheet: ftp://ftp.dot.state.wi.us/transp/roads/eplans/prelim_sheet_numbers.pdf

Notes

- Acrobat 5 or higher is required to use this tool.
- The Bureau of Highway Construction places sheet numbers in the final plan.
- This sheet is for placing preliminary sheet numbers with a "PRE_" prefix.
- If a plan contains multiple projects, number each plan individually.
- Leave this sheet in the plan.

TO ADD PRELIMINARY SHEET NUMBERS

1. Insert this sheet at the end of the plan

- a. With the plan open in Acrobat, select Document > Insert Pages.
- b. In the Select File to Insert dialog box, select this file (prelim_sheet_numbers.pdf)
- c. In the Insert dialog box, choose After for Location and Last page for Page.
- d. Click OK.

2. Click the Place Preliminary Sheet Numbers button

- a. Go to the last sheet of the plan.
- b. Click the Place Preliminary Sheet Numbers button once.
(The preliminary sheet number appears in the bottom right corner of the sheets.
The number should match the page number in the Acrobat Status bar).

3. Re-Save the PDF

- a. Select File > Save As and save the PDF.

TO REMOVE PRELIMINARY SHEET NUMBERS