

PROJECT ID:
WITH: 1300-09-72

COUNTY:
MILWAUKEE

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 1300-09-02

A.A.D.T.	2019	=	79,700
A.A.D.T.	N/A	=	N/A
D.H.V.		=	N/A
D.D.		=	N/A
T.		=	N/A
DESIGN SPEED		=	N/A
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	

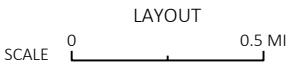
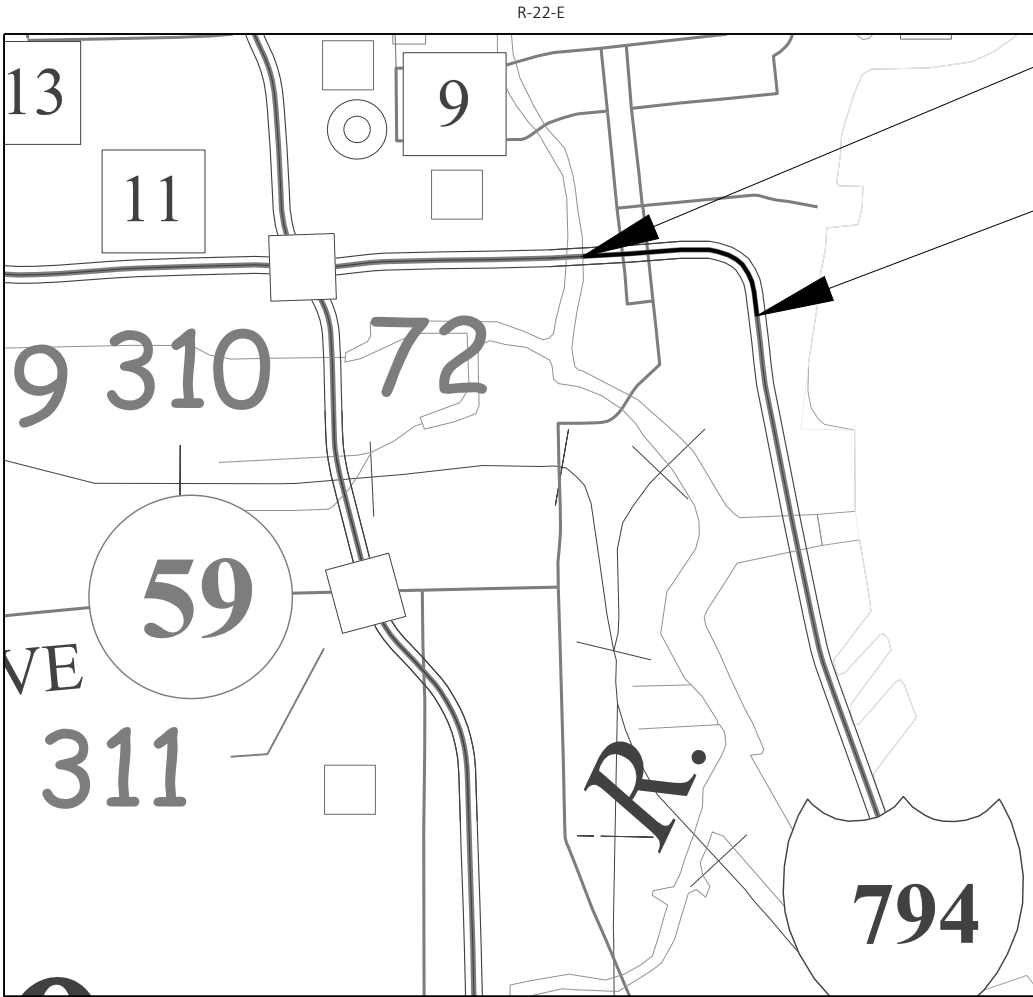
PROFILE	
GRADE LINE	
ORIGINAL GROUND	
MARSH OR ROCK PROFILE (To be noted as such)	
SPECIAL DITCH	
GRADE ELEVATION	
CULVERT (Profile View)	
UTILITIES	
ELECTRIC	
FIBER OPTIC	
GAS	
SANITARY SEWER	
STORM SEWER	
TELEPHONE	
WATER	
UTILITY PEDESTAL	
POWER POLE	
TELEPHONE POLE	

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

LAKE FREEWAY
MILWAUKEE RVR - LINCOLN MEMORIAL DR
IH 794
MILWAUKEE

STATE PROJECT NUMBER
1300-09-72



TOTAL NET LENGTH OF CENTERLINE = 0.000

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), {NAME} COUNTY, NAD83 HYEAR, 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 {YEAR}. GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1300-09-72		

60% PRELIMINARY
PLAN

BEGIN PROJECT
X: 605983.2942
Y: 298445.1813

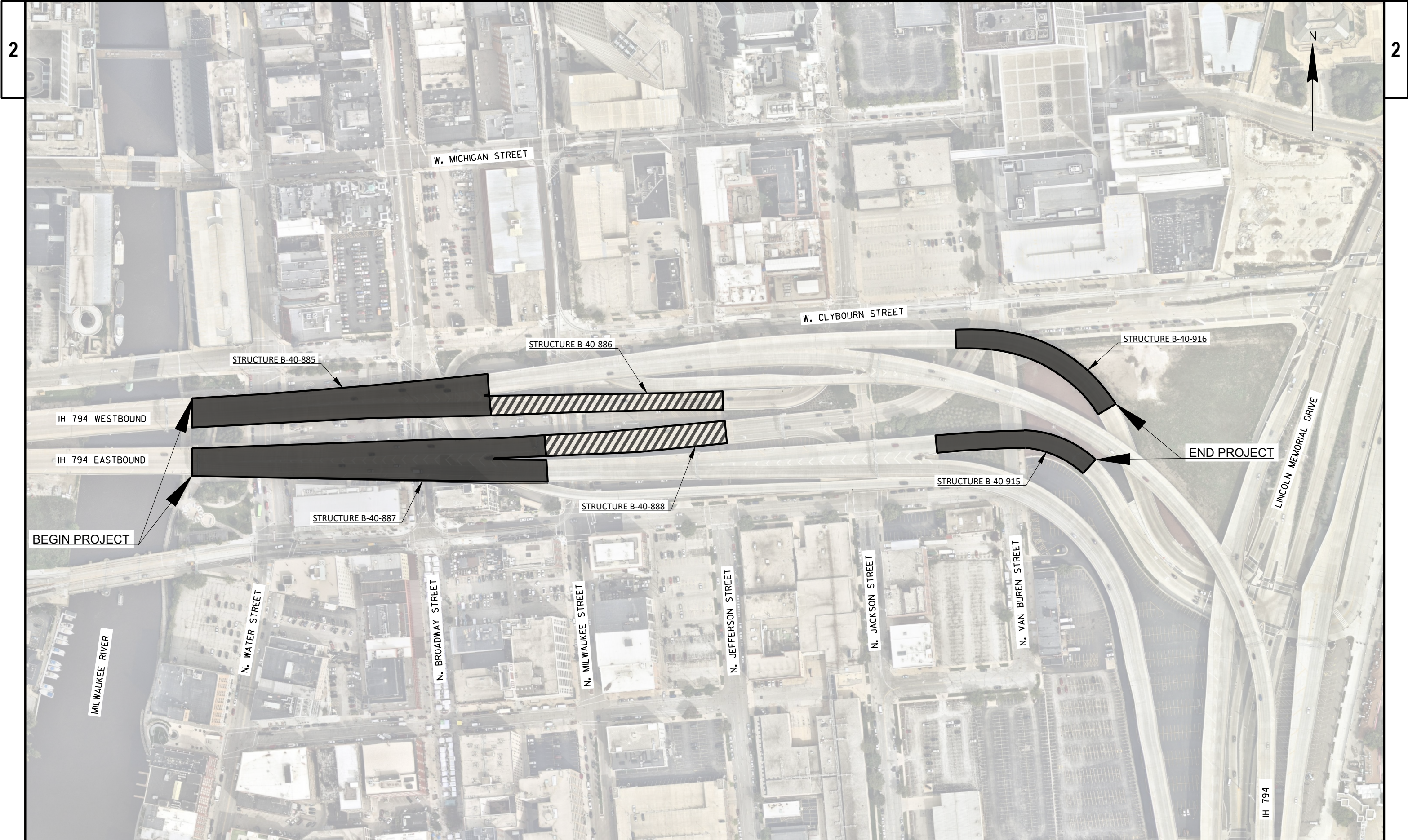
END PROJECT

STRUCTURE SUMMARY:

- B-40-885
- B-40-886
- B-40-887
- B-40-888
- B-40-915
- B-40-916

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
PREPARED BY	
Surveyor	_____
Designer	_____ WISDOT
Project Manager	_____ CHRISTOPHER ZACHARIAS P.E.
Regional Examiner	_____
Regional Supervisor	_____ WILLIAM MOHR P.E.
APPROVED FOR THE DEPARTMENT	
DATE: _____	_____ (Signature)

E



2

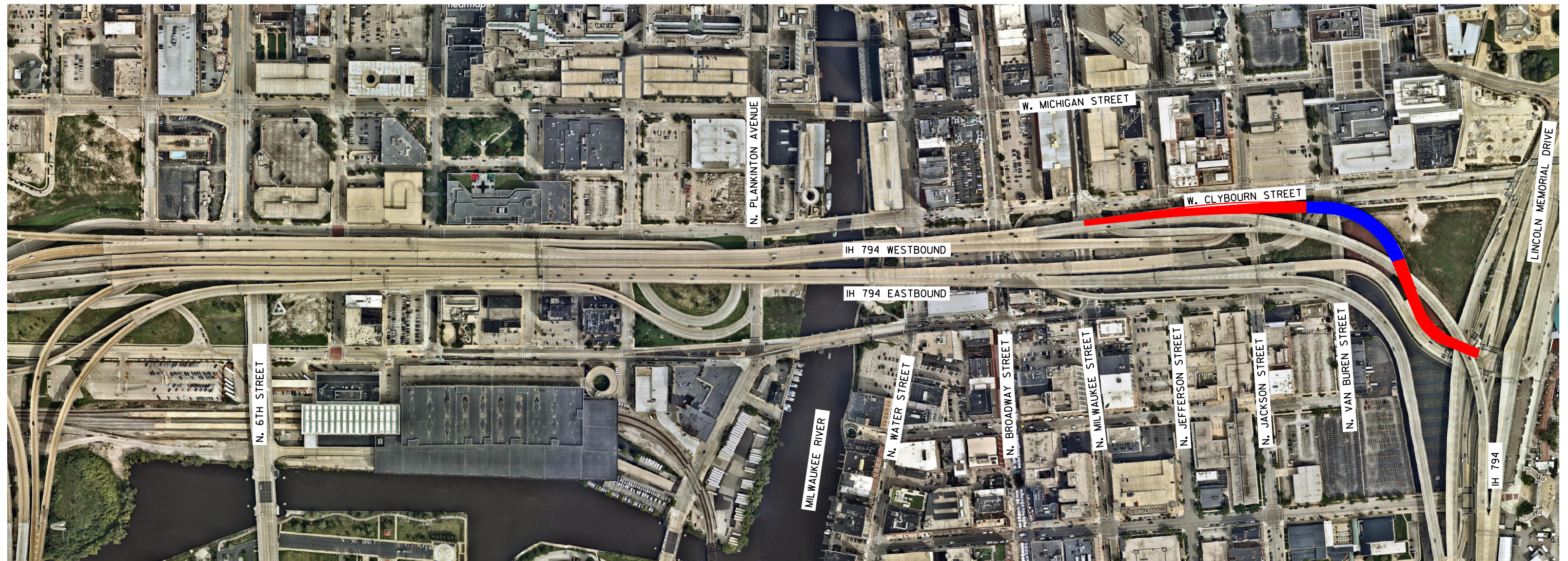
2

PROJECT NO: 1300-09-72	HWY: IH 794	COUNTY: MILWAUKEE	PROJECT OVERVIEW	SHEET	E
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ID 1300-09-02 (DESIGN PROJECT ID)
ID 1300-09-72 (CONSTRUCTION PROJECT ID)
LAKE FREEWAY
MILWAUKEE RIVER TO LINCOLN MEMORIAL DRIVE
IH 794
MILWAUKEE COUNTY

CONSTRUCTION STAGE NUMBER 1

LOCATION: IH 794 WESTBOUND ON RAMP
BRIDGE: B-40-916
DURATION: 3-4 NIGHTS



LEGEND

BRIDGE TPO WORK

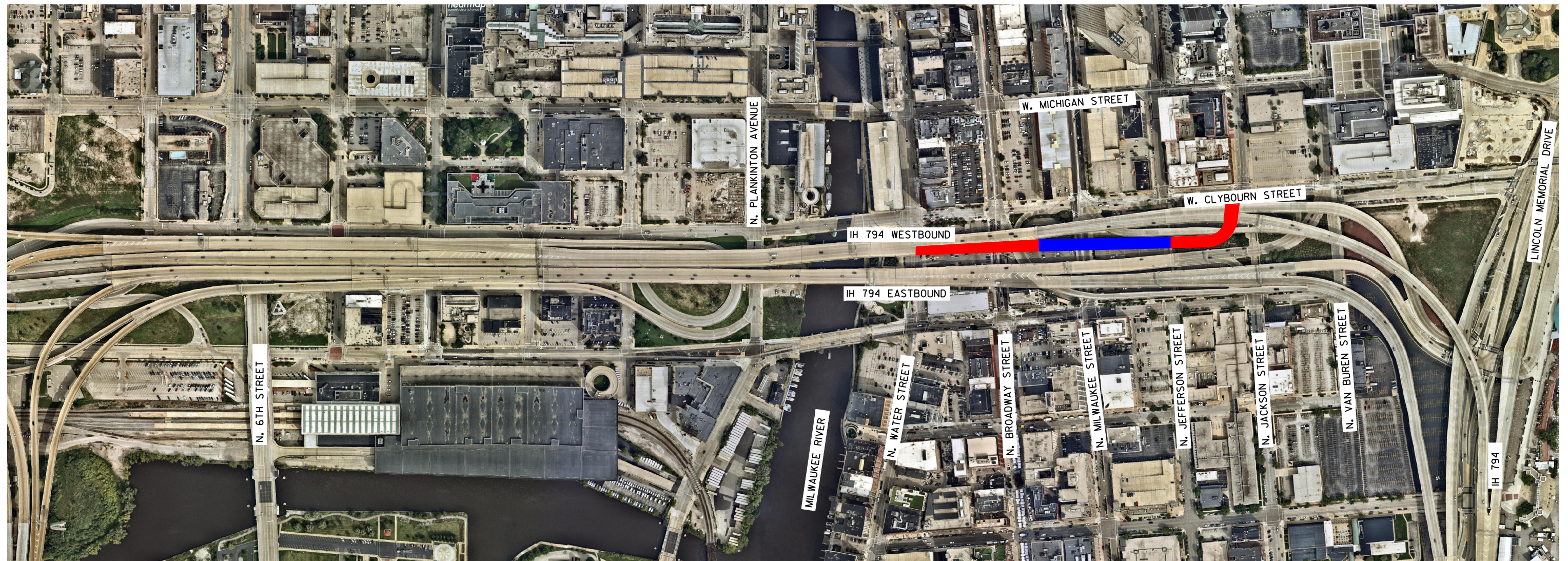
RAMP CLOSURE

DETOUR ROUTE

ID 1300-09-02 (DESIGN PROJECT ID)
ID 1300-09-72 (CONSTRUCTION PROJECT ID)
LAKE FREEWAY
MILWAUKEE RIVER TO LINCOLN MEMORIAL DRIVE
IH 794
MILWAUKEE COUNTY

CONSTRUCTION STAGE NUMBER 2

LOCATION: IH 794 WESTBOUND ON RAMP
BRIDGE: B-40-886
DURATION: 3-4 NIGHTS

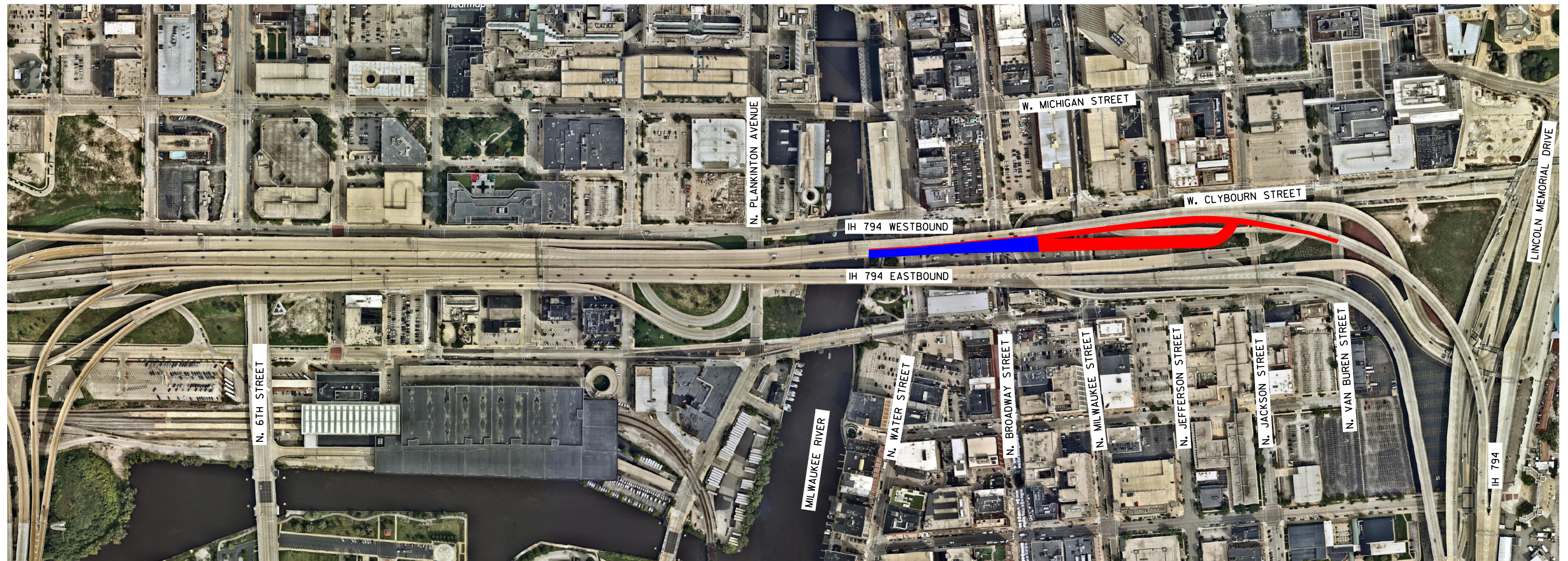


LEGEND	
	BRIDGE TPO WORK
	RAMP CLOSURE
	DETOUR ROUTE

ID 1300-09-02 (DESIGN PROJECT ID)
ID 1300-09-72 (CONSTRUCTION PROJECT ID)
LAKE FREEWAY
MILWAUKEE RIVER TO LINCOLN MEMORIAL DRIVE
IH 794
MILWAUKEE COUNTY

CONSTRUCTION STAGE NUMBER 3

LOCATION: IH 794 WESTBOUND OVER WATER STREET
BRIDGE: B-40-885 (SOUTH HALF)
DURATION: 3-4 NIGHTS



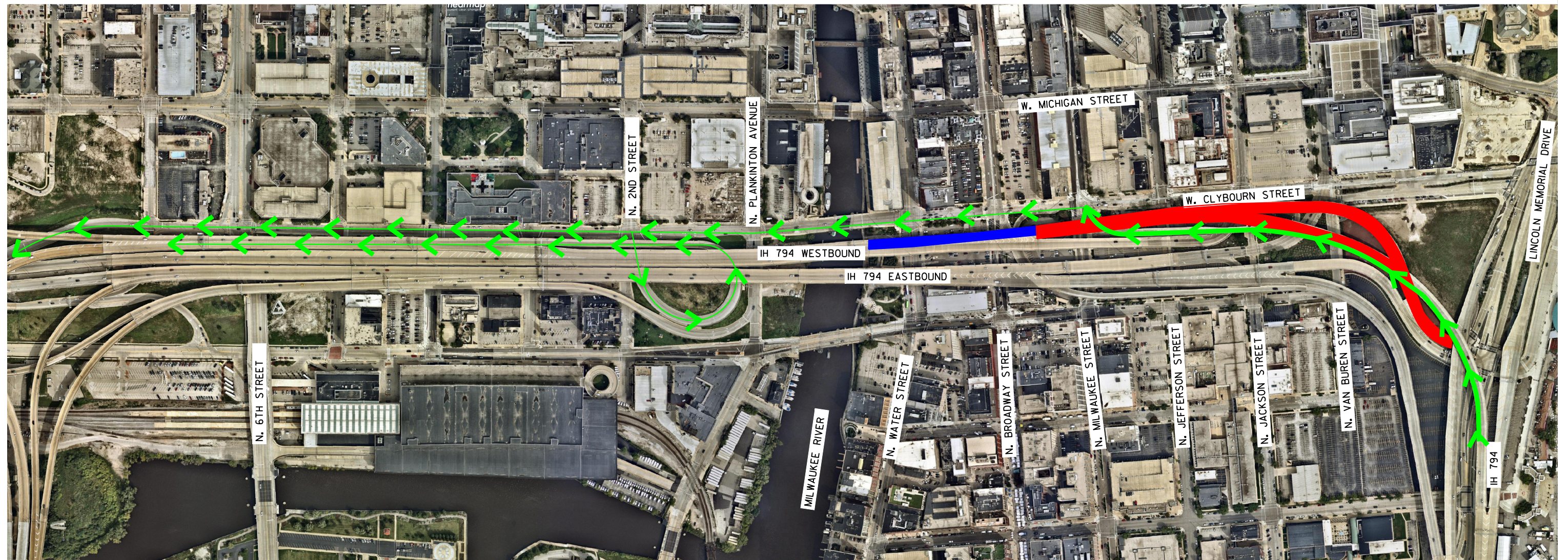
LEGEND

- BRIDGE TPO WORK
- RAMP CLOSURE
- DETOUR ROUTE

ID 1300-09-02 (DESIGN PROJECT ID)
ID 1300-09-72 (CONSTRUCTION PROJECT ID)
LAKE FREEWAY
MILWAUKEE RIVER TO LINCOLN MEMORIAL DRIVE
IH 794
MILWAUKEE COUNTY

CONSTRUCTION STAGE NUMBER 4

LOCATION: IH 794 WESTBOUND OVER WATER STREET
BRIDGE: B-40-885 (NORTH HALF)
DURATION: 3-4 NIGHTS



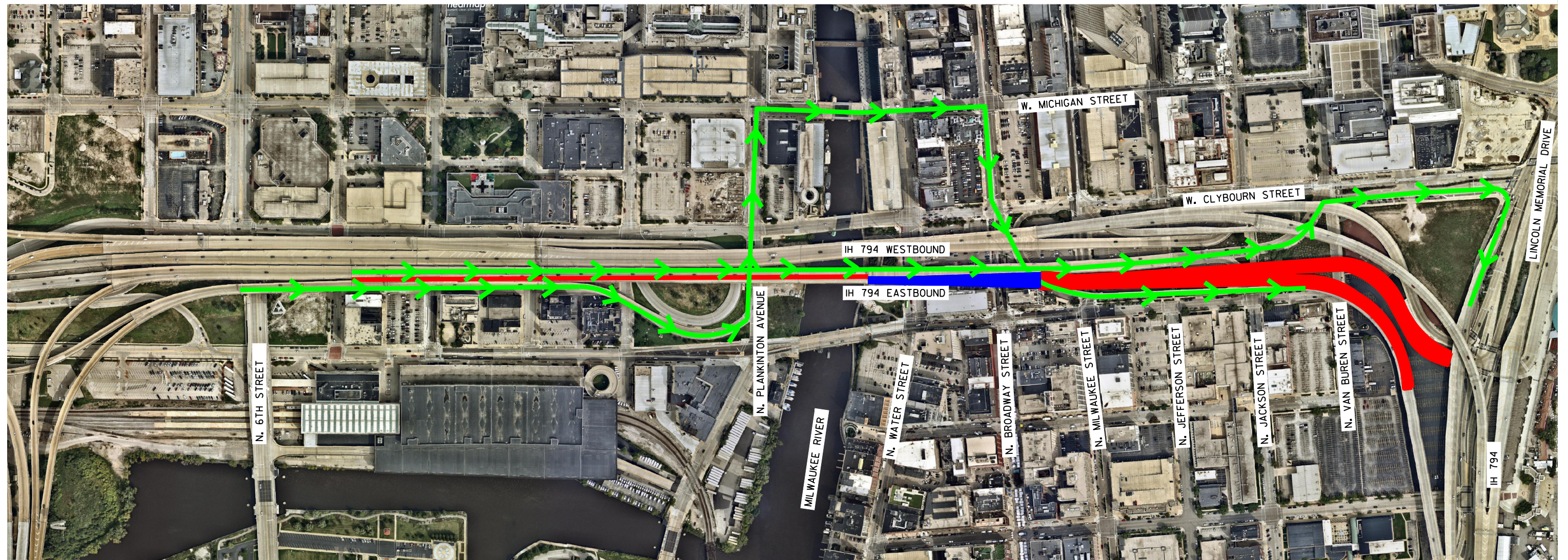
LEGEND

- BRIDGE TPO WORK
- RAMP CLOSURE
- DETOUR ROUTE

ID 1300-09-02 (DESIGN PROJECT ID)
ID 1300-09-72 (CONSTRUCTION PROJECT ID)
LAKE FREEWAY
MILWAUKEE RIVER TO LINCOLN MEMORIAL DRIVE
IH 794
MILWAUKEE COUNTY

CONSTRUCTION STAGE NUMBER 5

LOCATION: IH 794 EASTBOUND OVER WATER STREET
BRIDGE: B-40-887 (SOUTH HALF)
DURATION: 3-4 NIGHTS



LEGEND

- BRIDGE WORK
- RAMP CLOSURE
- DETOUR ROUTE

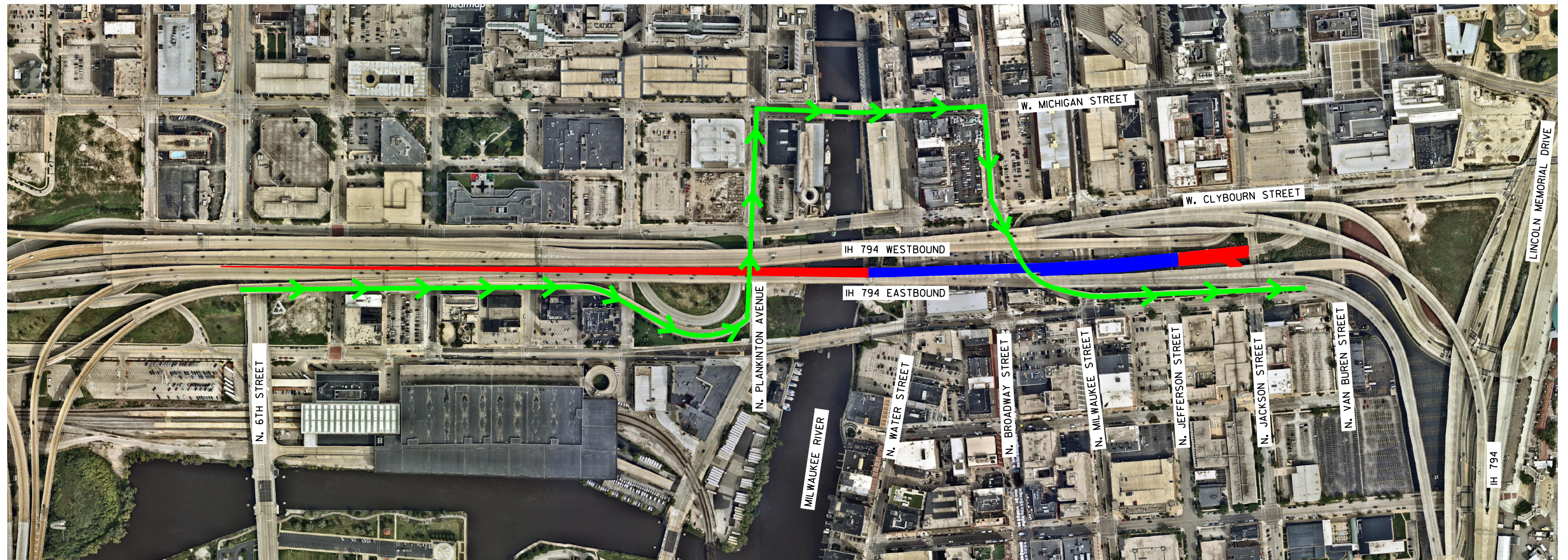
ID 1300-09-02 (DESIGN PROJECT ID)
ID 1300-09-72 (CONSTRUCTION PROJECT ID)
LAKE FREEWAY
MILWAUKEE RIVER TO LINCOLN MEMORIAL DRIVE
IH 794
MILWAUKEE COUNTY

CONSTRUCTION STAGE NUMBER 6

LOCATION: IH 794 EASTBOUND OVER WATER STREET
AND JACKSON ST./VAN BUREN ST. EXIT

BRIDGE: B-40-887 AND B-40-888

DURATION: 5-6 NIGHTS



LEGEND

- BRIDGE TPO WORK
- RAMP CLOSURE
- DETOUR ROUTE

ID 1300-09-02 (DESIGN PROJECT ID)
ID 1300-09-72 (CONSTRUCTION PROJECT ID)
LAKE FREEWAY
MILWAUKEE RIVER TO LINCOLN MEMORIAL DRIVE
IH 794
MILWAUKEE COUNTY

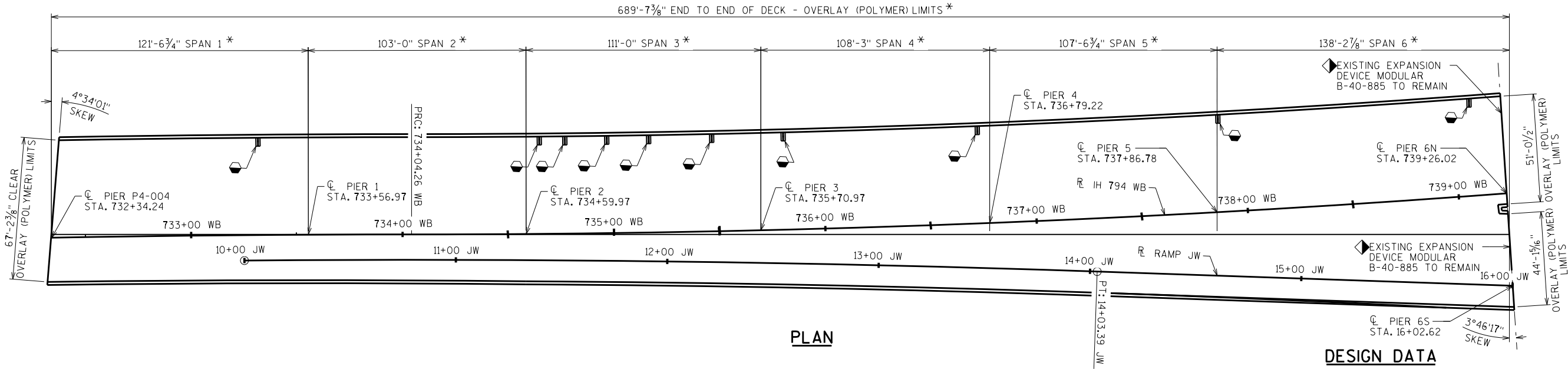
CONSTRUCTION STAGE NUMBER 7

LOCATION: IH 794 EASTBOUND LAKEFRONT EXIT
BRIDGE: B-40-915
DURATION: 3-4 NIGHTS



LEGEND

- BRIDGE TPO WORK
- RAMP CLOSURE
- DETOUR ROUTE



PLAN

CURVE DATA

R IH 794 WB - 3

P.I. = 732+14.70
Δ = 2°17'23" RT
D = 0°36'14"
T = 189.60'
L = 379.16'
R = 9488.00'
P.C. = 730+25.10
P.T. = 734+04.26
Y = 298,549.93
X = 605,964.02

CURVE DATA

R IH 794 WB - 4

P.I. = 736+89.57
Δ = 4°43'39" LT.
D = 0°49'44"
T = 285.32'
L = 570.31'
R = 6912.00'
P.C. = 734+04.26
P.T. = 739+74.57
Y = 298,574.72
X = 606,438.29

CURVE DATA

R RAMP JW

P.I. = 12+01.73
Δ = 2°26'21" RT.
D = 0°36'17"
T = 201.73'
L = 403.39'
R = 9,476.00'
P.C. = 10+00.00
P.T. = 14+03.39
Y = 298,555.60
X = 606,276.41

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.06
OPERATING RATING FACTOR: RF = 1.37
MAXIMUM STANDARD PERMIT VEHICLE LOAD: 250 (KIPS)

NOTES

DRAWINGS SHALL NOT BE SCALED.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

TOTAL ESTIMATED QUANTITIES

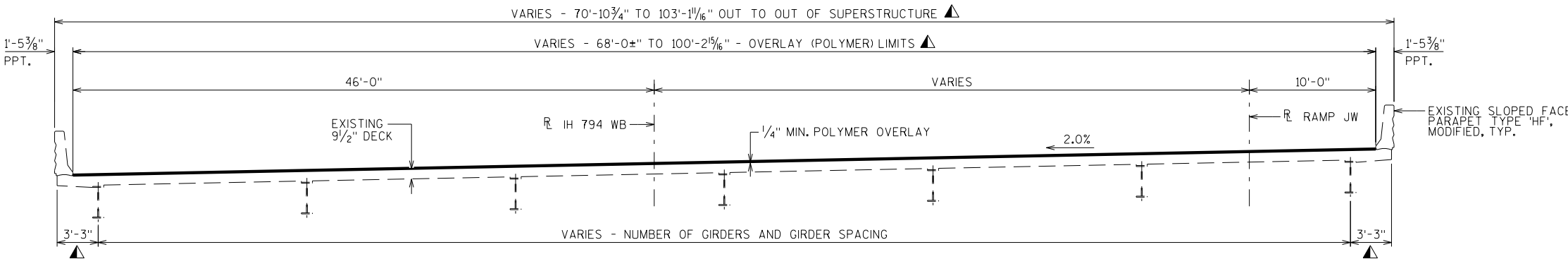
BID ITEM NUMBER	BID ITEMS	UNIT	TOTAL
509.5100.S	POLYMER OVERLAY	SY	5,814

* DIMENSION MEASURED ALONG REFERENCE LINE

▲ DIMENSION NORMAL TO R

○ TAPER POLYMER OVERLAY AT EXISTING FLOOR DRAINS TO MAINTAIN PROPER DRAINAGE OR AS DIRECTED BY ENGINEER

◀ TAPER POLYMER OVERLAY AT EXPANSION DEVICE OR AS DIRECTED BY ENGINEER



SECTION THRU ROADWAY - LOOKING EAST

STRUCTURE DESIGN CONTACTS:

ANDREW SMITH (608) 266-0989
AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY
 BUREAU OF STRUCTURES			
ACCEPTED CHIEF STRUCTURES DESIGN ENGINEER _____ DATE _____			
STRUCTURE B-40-885			
IH 794 WB OVER NORTH WATER STREET			
COUNTY	MILWAUKEE	CITY	MILWAUKEE
DESIGN SPEC. REHABILITATION N/A			
DESIGNED BY	RATINGS	DESIGNED CK'D.	ADSD
DRAWN BY		DDS	PLANS CK'D. AMB
POLYMER OVERLAY			SHEET 1 OF 1

LIVE LOAD:
DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.06
OPERATING RATING FACTOR: RF = 1.37
MAXIMUM STANDARD PERMIT VEHICLE LOAD: 250(KIPS)

DRAWINGS SHALL NOT BE SCALED.

DECK SURFACE PREPARATION IS INCLUDED IN THE
BID ITEM "POLYMER OVERLAY".

BID ITEM NUMBER	BID ITEMS	UNIT	TOTAL
509.5100.S	POLYMER OVERLAY	SY	1,852

○ INDICATES GIRDER NUMBER



ANDREW SMITH	(608) 266-0989
AARON BONK	(608) 261-0261

NO.	DATE	REVISION	BY
		BUREAU OF STRUCTURES	
ACCEPTED _____		_____	
CHIEF STRUCTURES DESIGN ENGINEER		DATE	
STRUCTURE B-40-886			
JACKSON ST. RAMP TO IH 794 WB			
COUNTY	MILWAUKEE	CITY	MILWAUKEE
DESIGN SPEC. REHABILITATION N/A			
DESIGNED BY	RATINGS	DESIGNED CK'D.	ADS
DRWN BY	DDS	PLANS CK'D.	AMB
POLYMER OVERLAY		SHEET 1 OF 1	



R RAMP JE
P.I. = STA. 6+47.79
 $\Delta = 4^{\circ}29'30''$ LT
T = 184.32'
L = 368.46'
R = 4,700.00'
P.C. = STA. 4+63.47
P.T. = STA. 8+31.92
X = 606.761.21
Y = 298,476.25

R IH 794 EB
P.I. = STA. 640+26.79
 $\Delta = 2^{\circ}12'41''$ LT
T = 134.88'
L = 269.72'
R = 6,988.00'
P.C. = STA. 638+91.92
P.T. = STA. 641+61.63
X = 606,779.75
Y = 298,430.89

LIVE LOAD:
 DESIGN LOADING: HL-93
 INVENTORY RATING FACTOR: RF = 1.01
 OPERATING RATING FACTOR: RF = 1.30
 MAXIMUM STANDARD PERMIT VEHICLE LOAD: 250(KIPS)

DRAWINGS SHALL NOT BE SCALED.

DECK SURFACE PREPARATION IS INCLUDED IN THE
BID ITEM "POLYMER OVERLAY".

BID ITEM NUMBER	BID ITEMS	UNIT	TOTAL
509.5100.S	POLYMER OVERLAY	SY	7,426

ANDREW SMITH	(608) 266-0989
AARON BONK	(608) 261-0261

[illegible]

◀ TAPER POLYMER OVERLAY AT
EXPANSION DEVICE OR AS
DIRECTED BY ENGINEER

SLOPED
RAPET
(TYP.)

DESIGN DATA

LIVE LOAD:
DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 0.92
OPERATING RATING FACTOR: RF = 1.20
MAXIMUM STANDARD PERMIT VEHICLE LOAD: 250(KIPS)

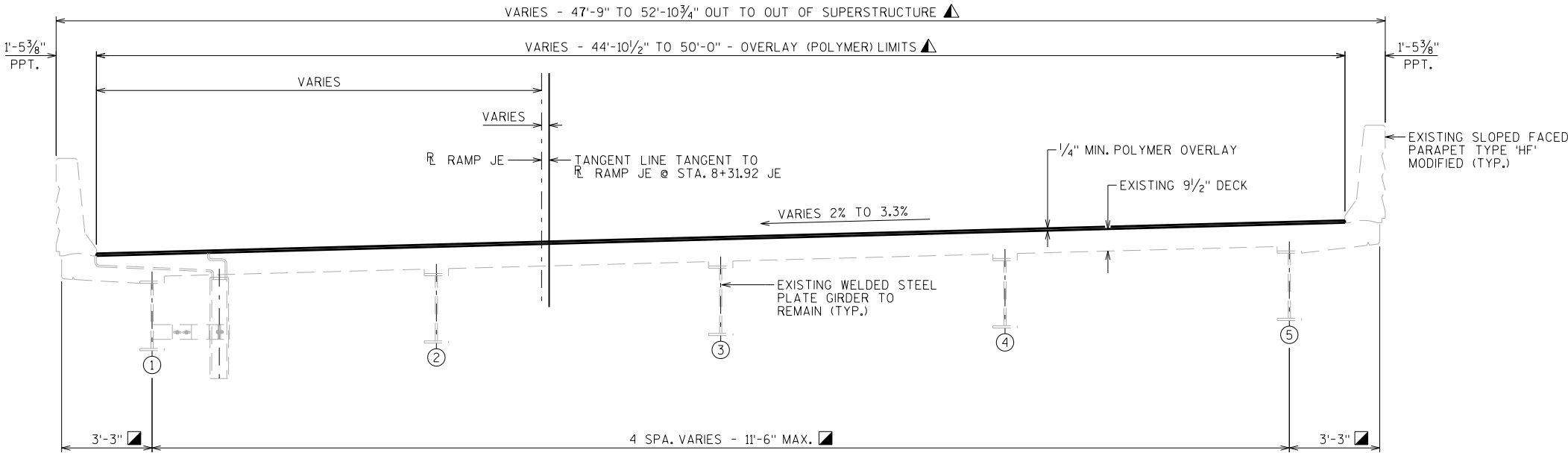
NOTES

DRAWINGS SHALL NOT BE SCALED.
DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

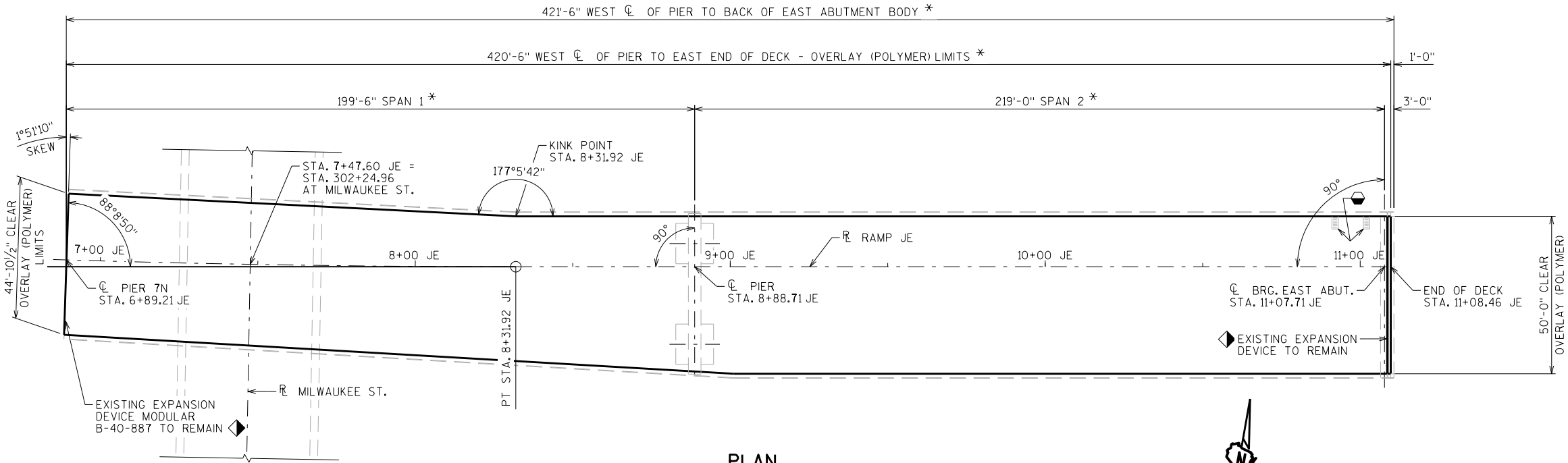
TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTAL
509.5100.S	POLYMER OVERLAY	SY	2,249

- * DIMENSION MEASURED ALONG TANGENT LINE
- ▲ DIMENSION NORMAL TO R
- DIMENSION NORMAL TO GIRDER
- ⬢ TAPER POLYMER OVERLAY AT EXISTING FLOOR DRAINS TO MAINTAIN PROPER DRAINAGE OR AS DIRECTED BY ENGINEER
- ⬢ TAPER POLYMER OVERLAY AT EXPANSION DEVICE OR AS DIRECTED BY ENGINEER
- INDICATES GIRDER NUMBER



SECTION THRU ROADWAY - LOOKING EAST



PLAN

STRUCTURE DESIGN CONTACTS:
ANDREW SMITH (608) 266-0989
AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY
ACCEPTED CHIEF STRUCTURES DESIGN ENGINEER DATE			
STRUCTURE B-40-888			
IH 794 EB RAMP TO VAN BUREN ST.			
COUNTY	MILWAUKEE	CITY	MILWAUKEE
DESIGN SPEC. REHABILITATION N/A			
DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
POLYMER OVERLAY			SHEET 1 OF 1

DESIGN DATA

LIVE LOAD:
DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.33
OPERATING RATING FACTOR: RF = 1.72
MAXIMUM STANDARD PERMIT VEHICLE LOAD: 250(KIPS)

NOTES

DRAWINGS SHALL NOT BE SCALED.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTAL
509.5100.S	POLYMER OVERLAY	SY	2,318

CURVE DATA

RAMP LW
P.I. = 103+87.32 LW
Y = 298,714.81
X = 608,049.32
Δ = 70°28'18" RT.
D = 17°54'18"
T = 226.04'
L = 393.59'
R = 320.00'
P.C. = 101+61.28 LW
P.T. = 105+54.87 LW

* DIMENSION MEASURED ALONG REFERENCE LINE

▲ DIMENSION NORMAL TO R

■ DIMENSION NORMAL TO GIRDER

◐ TAPER POLYMER OVERLAY AT EXISTING FLOOR DRAINS TO MAINTAIN PROPER DRAINAGE OR AS DIRECTED BY ENGINEER

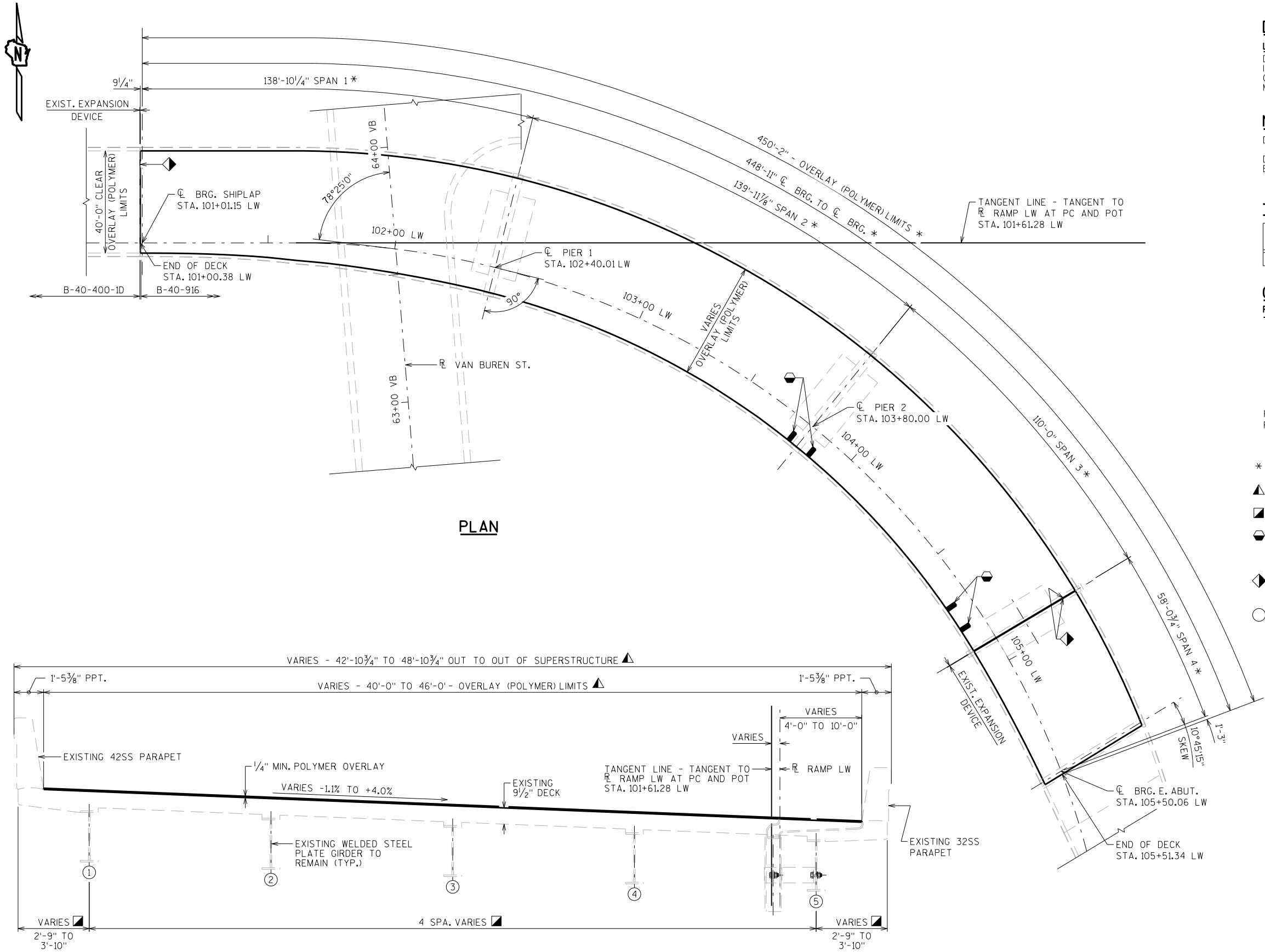
◑ TAPER POLYMER OVERLAY AT EXPANSION DEVICE OR AS DIRECTED BY ENGINEER

○ INDICATES GIRDER NUMBER

STRUCTURE DESIGN CONTACTS:

ANDREW SMITH (608) 266-0989
AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY
 BUREAU OF STRUCTURES			
ACCEPTED CHIEF STRUCTURES DESIGN ENGINEER _____ DATE _____			
STRUCTURE B-40-916			
IH 794 WB RAMP OVER VAN BUREN ST.			
COUNTY	MILWAUKEE	CITY	MILWAUKEE
DESIGN SPEC. REHABILITATION N/A			
DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
RATINGS	ADS	DDS	AMB
POLYMER OVERLAY			SHEET 1 OF 1



SECTION THRU ROADWAY - LOOKING EAST

SPANS 1-3 GIRDERS SHOWN, SPAN 4 SIMILAR

○ = INDICATES GIRDER NUMBER

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