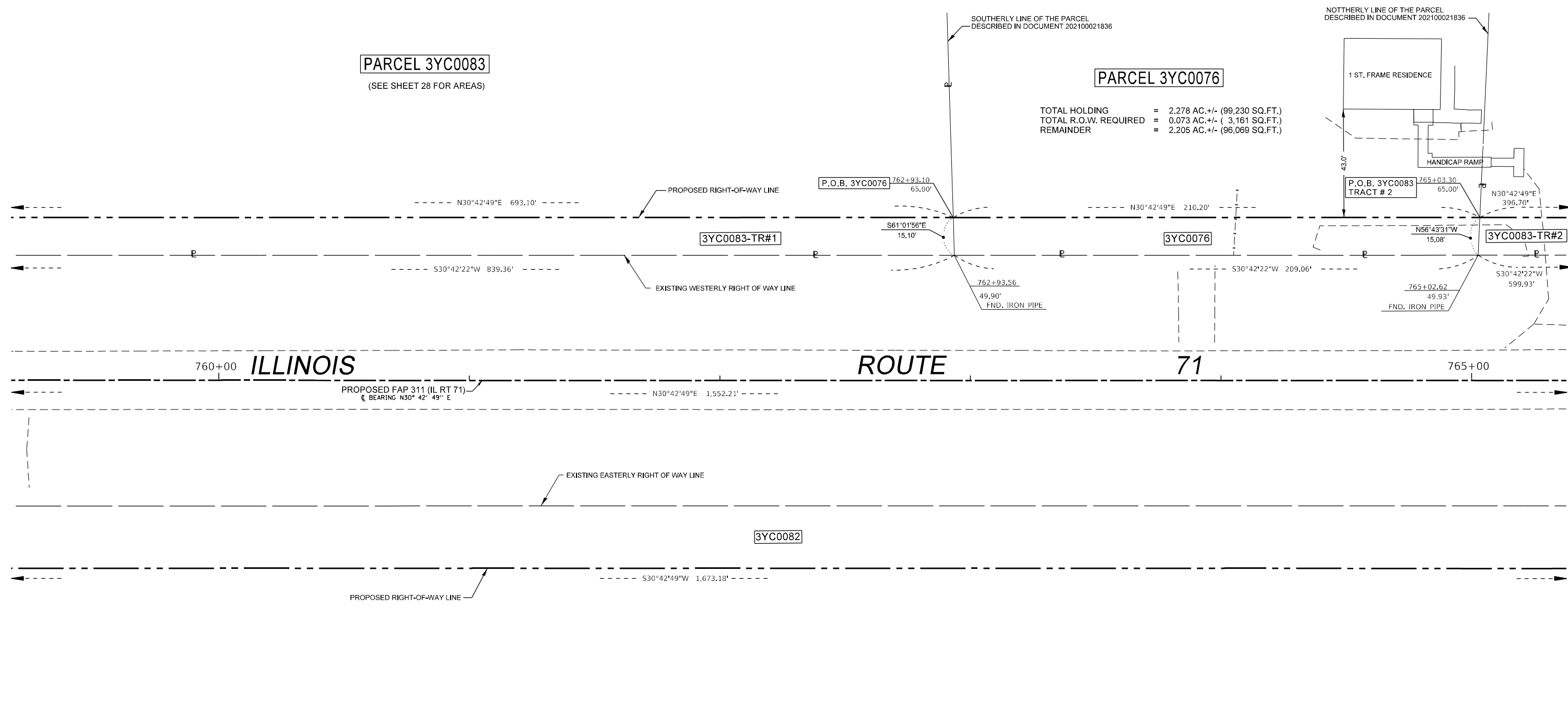
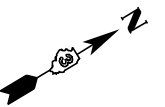


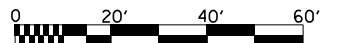
SOUTHWEST 1/4 OF SEC. 24, T. 37 N., R. 7 E., 3RD P.M.



SURVEYOR'S STATEMENT

I, KEITH W. STODDARD, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF F.A.P. 311 (ILLINOIS 71) WAS MADE BY ME OR UNDER MY DIRECTION, AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

BY _____ DATED _____
KEITH W. STODDARD, ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3122 (EXPIRES NOV, 2020)



NOTE: BEARINGS AND DISTANCES ARE BASED UPON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, (GRID) EAST ZONE, (NAD-83, 2007 ADJ.).

ALL AREAS ARE BASED ON GROUND MEASUREMENTS

COMBINED FACTOR = 0.9999459

TOTAL HOLDING AREA TAKEN FROM TAX ASSESSOR (NOT SURVEYED)

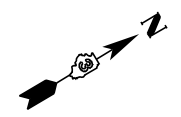
FILE NAME	USER NAME = stoddardkw	DESIGNED - PVB 08-13-13	REVISED - 02-22-2021 JJC
pw:\dot-pw.bentley.com\PWIDOT\Documents\DOT Offices\District 3\Projects\0366026\CD\DRAWN\0366026\0366026-30-10-2021 Sheet 29		CHECKED -	REVISED - 03-25-2021 KWS
		DATE -	REVISED - 09-08-2021 JJC
			REVISED - 10-28-2021 JJC

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RIGHT OF WAY PLANS	
PROJECT _____	JOB NO. R-93-004-16
SCALE: 1" = 20'	SHEET 29 OF XX SHEETS
STA. 759+50.00 TO STA. 765+50.00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1,1-1)R	KENDALL	847	601
CONTRACT NO. 66D26				
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				

SOUTHWEST 1/4 OF SEC. 24, T. 37 N., R. 7 E., 3RD P.M.



- Ⓐ L = 1,308.67' R = 3,130.35' CH = N42°40'53"E CL = 1,299.17'
- Ⓑ N29°18'34"E 4.18'
- Ⓒ L = 199.13' R = 3,250.90' CH = N32°28'06"E CL = 199.09'
- Ⓓ L = 201.84' R = 3,230.35' CH = S32°29'44"W CL = 201.81'
- Ⓔ S30°42'22"W 1.48'
- Ⓕ N67°07'51"W 20.08'
- Ⓖ L = 5.45' R = 3,180.90' CH = S30°45'45"W CL = 5.45'

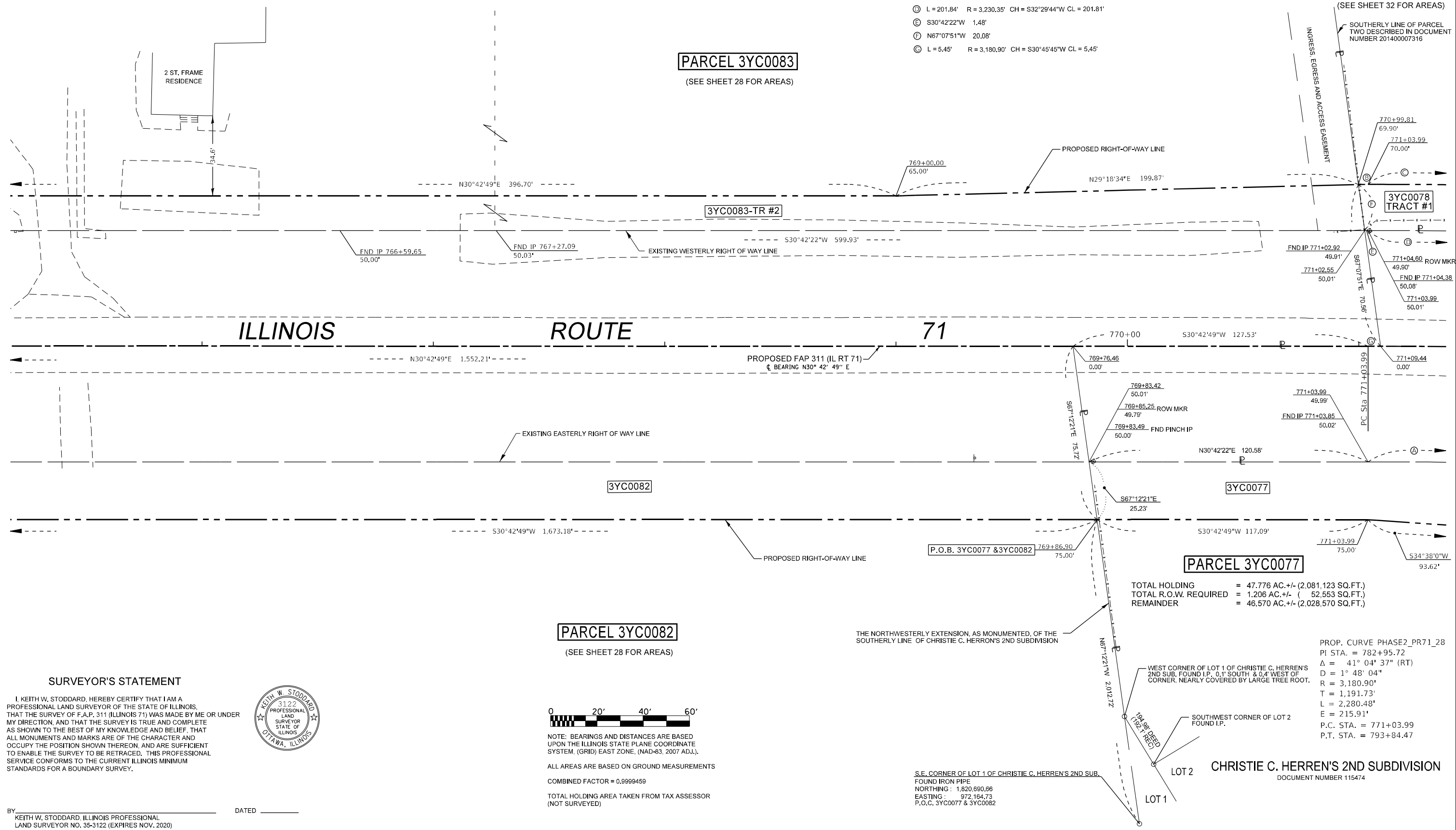
PARCEL 3YC0078

(SEE SHEET 32 FOR AREAS)

SOUTHERLY LINE OF PARCEL TWO DESCRIBED IN DOCUMENT NUMBER 201400007316

PARCEL 3YC0083

(SEE SHEET 28 FOR AREAS)



TOTAL HOLDING = 47.776 AC. +/- (2,081,123 SQ.FT.)
 TOTAL R.O.W. REQUIRED = 1.206 AC. +/- (52,553 SQ.FT.)
 REMAINDER = 46.570 AC. +/- (2,028,570 SQ.FT.)

PROP. CURVE PHASE2_PR71_28
 PI STA. = 782+95.72
 Δ = 41° 04' 37" (RT)
 D = 1° 48' 04"
 R = 3,180.90'
 T = 1,191.73'
 L = 2,280.48'
 E = 215.91'
 P.C. STA. = 771+03.99
 P.T. STA. = 793+84.47

PARCEL 3YC0082

(SEE SHEET 28 FOR AREAS)

THE NORTHWESTERLY EXTENSION, AS MONUMENTED, OF THE SOUTHERLY LINE OF CHRISTIE C. HERREN'S 2ND SUBDIVISION

S.E. CORNER OF LOT 1 OF CHRISTIE C. HERREN'S 2ND SUB. FOUND IRON PIPE
 NORTHING : 1,820,690.66
 EASTING : 972,164.73
 P.O.C. 3YC0077 & 3YC0082

SURVEYOR'S STATEMENT

I, KEITH W. STODDARD, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF F.A.P. 311 (ILLINOIS 71) WAS MADE BY ME OR UNDER MY DIRECTION, AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



NOTE: BEARINGS AND DISTANCES ARE BASED UPON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, (GRID) EAST ZONE, (NAD-83, 2007 ADJ.).

ALL AREAS ARE BASED ON GROUND MEASUREMENTS

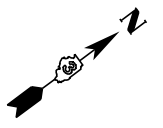
COMBINED FACTOR = 0.9999459

TOTAL HOLDING AREA TAKEN FROM TAX ASSESSOR (NOT SURVEYED)

BY KEITH W. STODDARD, ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3122 (EXPIRES NOV. 2020) DATED _____

FILE NAME p:\11dot-pw.bentley.com\PWIDOT\Documents\DOT Offices\District 3\Projects\0366026\CDRAWN and Acq\0366026-30-11-18-2021\Sheet 30	USER NAME = cimej1j	DESIGNED - PVB 08-13-13	REVISED - 03-25-2021 JJC	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RIGHT OF WAY PLANS		F.A.P. RTE. 311	SECTION (1,1)-1R	COUNTY KENDALL	TOTAL SHEETS 847	SHEET NO. 602
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED - 09-29-2021 JJC		REVISED - 03-26-2021 KWS	PROJECT _____	JOB NO. R-93-004-16	CONTRACT NO. 66D26		FED. ROAD DIST. NO. [] ILLINOIS FED. AID PROJECT	
PLOT DATE = 10/28/2021	DATE -	REVISED - 10-28-2021 JJC	REVISED - 09-29-2021 JJC	SCALE: 1" = 20'		SHEET 30 OF XX SHEETS	STA. 765+50.00 TO STA. 771+50.00				

SOUTHWEST 1/4 OF SEC. 24, T. 37 N., R. 7 E., 3RD P.M.

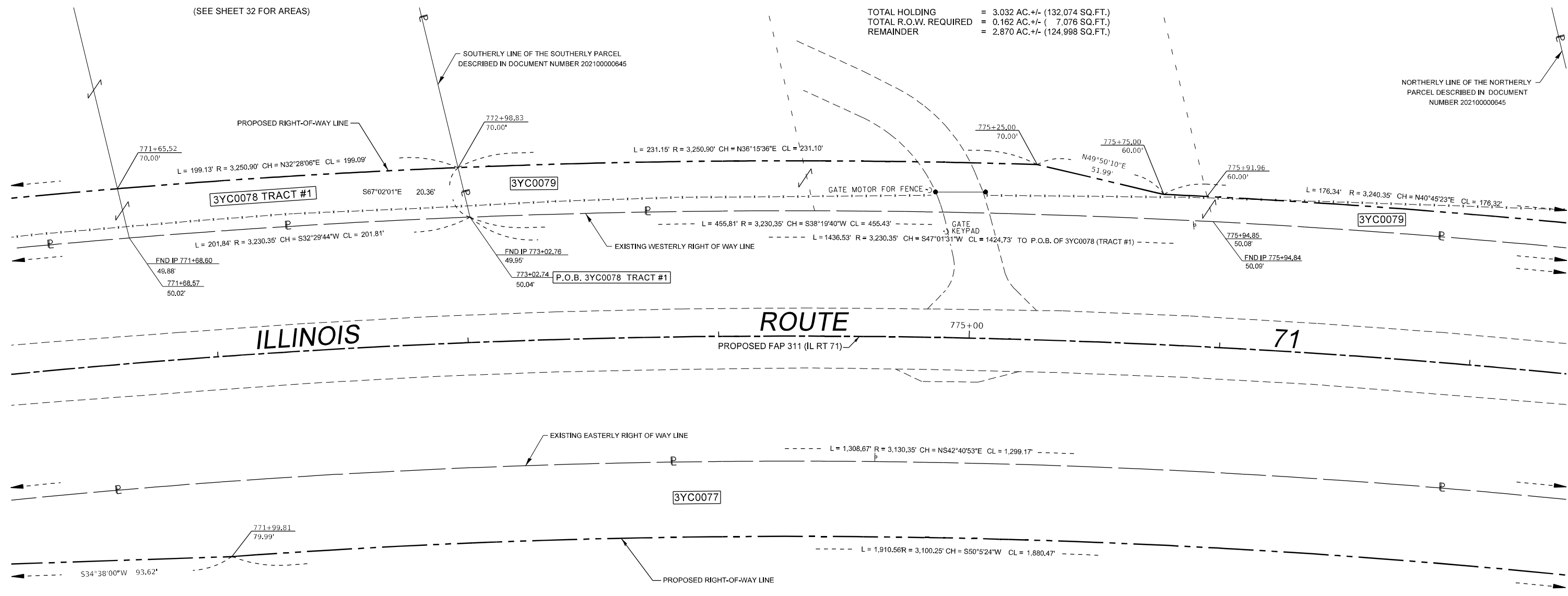


PARCEL 3YC0078

(SEE SHEET 32 FOR AREAS)

PARCEL 3YC0079

TOTAL HOLDING = 3.032 AC. +/- (132,074 SQ.FT.)
 TOTAL R.O.W. REQUIRED = 0.162 AC. +/- (7,076 SQ.FT.)
 REMAINDER = 2.870 AC. +/- (124,998 SQ.FT.)



NORTHERLY LINE OF THE NORTHERLY
 PARCEL DESCRIBED IN DOCUMENT
 NUMBER 202100000645

ILLINOIS

ROUTE

71

PROPOSED FAP 311 (IL RT 71)

PROP. CURVE PHASE2_PR71_28
 PI STA. = 782+95.72
 Δ = 41° 04' 37" (RT)
 D = 1° 48' 04"
 R = 3,180.90'
 T = 1,191.73'
 L = 2,280.48'
 E = 215.91'
 P.C. STA. = 771+03.99
 P.T. STA. = 793+84.47

PARCEL 3YC0077

(SEE SHEET 30 FOR AREAS)

SURVEYOR'S STATEMENT

I, KEITH W. STODDARD, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF F.A.P. 311 (ILLINOIS 71) WAS MADE BY ME OR UNDER MY DIRECTION, AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF. THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



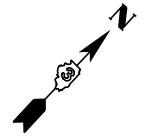
BY: _____ DATED: _____
 KEITH W. STODDARD, ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3122 (EXPIRES NOV. 2020)



NOTE: BEARINGS AND DISTANCES ARE BASED UPON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, (GRID) EAST ZONE (NAD-83, 2007 ADJ.).
 ALL AREAS ARE BASED ON GROUND MEASUREMENTS
 COMBINED FACTOR = 0.9999459
 TOTAL HOLDING AREA TAKEN FROM TAX ASSESSOR (NOT SURVEYED)

FILE NAME	USER NAME = stoddardkw	DESIGNED - PVB 08-13-13	REVISED - 03-25-2021 JJC	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RIGHT OF WAY PLANS		F.A.P. RTE. 311	SECTION (1,1-1)R	COUNTY KENDALL	TOTAL SHEETS 847	SHEET NO. 603
		CHECKED -	REVISED -		PROJECT	JOB NO. R-93-004-16	CONTRACT NO. 66D26				
		DATE -	REVISED -		SCALE: 1" = 20'	SHEET 31 OF XX SHEETS	STA. 772+00.00 TO STA. 777+50.00	FED. ROAD DIST. NO. [] ILLINOIS FED. AID PROJECT			

SOUTHWEST 1/4 OF SEC. 24, T. 37 N., R. 7 E., 3RD P.M.



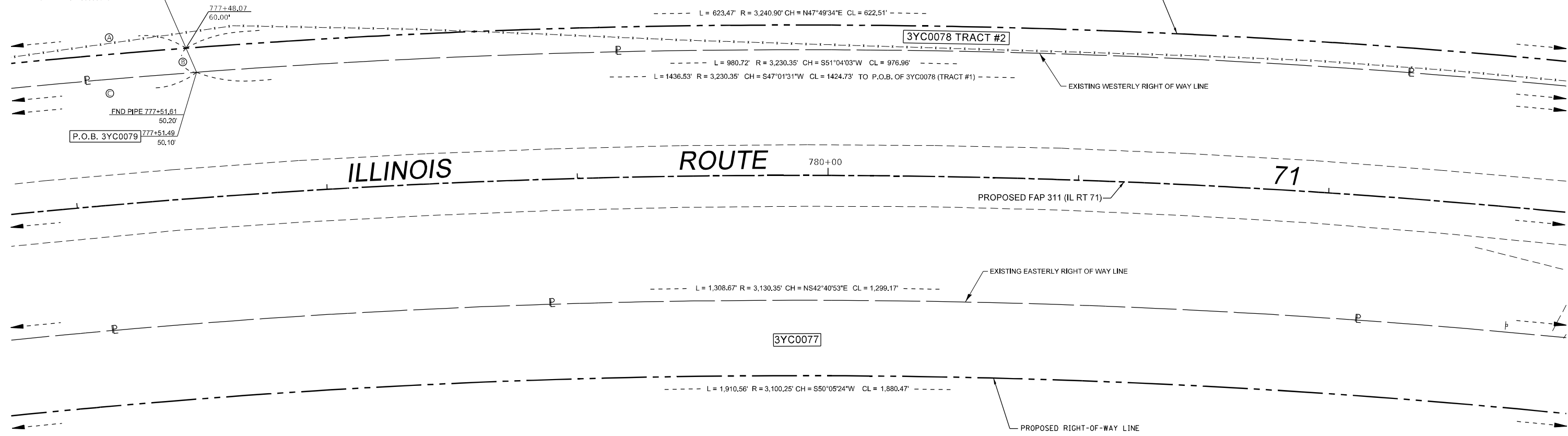
PARCEL 3YC0078

TOTAL HOLDING = 61.561 AC. +/- (2,681,597 SQ.FT.)
 TOTAL R.O.W. REQUIRED = 0.356 AC. +/- (15,485 SQ.FT.)
 TRACT # 1 = 0.094 AC. +/- (4,080 SQ.FT.)
 TRACT # 2 = 0.262 AC. +/- (11,405 SQ.FT.)
 REMAINDER = 61.205 AC. +/- (2,666,112 SQ.FT.)
 TEMPORARY EASEMENT = 0.046 AC. +/- (2,009 SQ.FT.)
 T E # 1 = 0.028 AC. +/- (1,221 SQ.FT.)
 T E # 2 = 0.012 AC. +/- (536 SQ.FT.)
 T E # 3 = 0.006 AC. +/- (252 SQ.FT.)

PROP. CURVE PHASE2_PR71_28
 PI STA. = 782+95.72
 $\Delta = 41^{\circ} 04' 37''$ (RT)
 D = 1^{\circ} 48' 04''
 R = 3,180.90'
 T = 1,191.73'
 L = 2,280.48'
 E = 215.91'
 P.C. STA. = 771+03.99
 P.T. STA. = 793+84.47

Ⓐ L = 176.34' R = 3240.90' CH = N40°45'23"E CL = 176.32'
 Ⓑ S66°59'48"E 10.50'
 Ⓒ L = 455.81' R = 3,230.35' CH = S38°19'40"W CL = 455.43'

NORTHERLY LINE OF THE NORTHERLY
 PARCEL DESCRIBED IN DOCUMENT
 NUMBER 202100000645



FND PIPE 777+51.61
 50.20'
 P.O.B. 3YC0079 777+51.49
 50.10'

PARCEL 3YC0077

(SEE SHEET 30 FOR AREAS)

SURVEYOR'S STATEMENT

I, KEITH W. STODDARD, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF F.A.P. 311 (ILLINOIS 71) WAS MADE BY ME OR UNDER MY DIRECTION, AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



BY: KEITH W. STODDARD, ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3122 (EXPIRES NOV, 2022) DATED _____



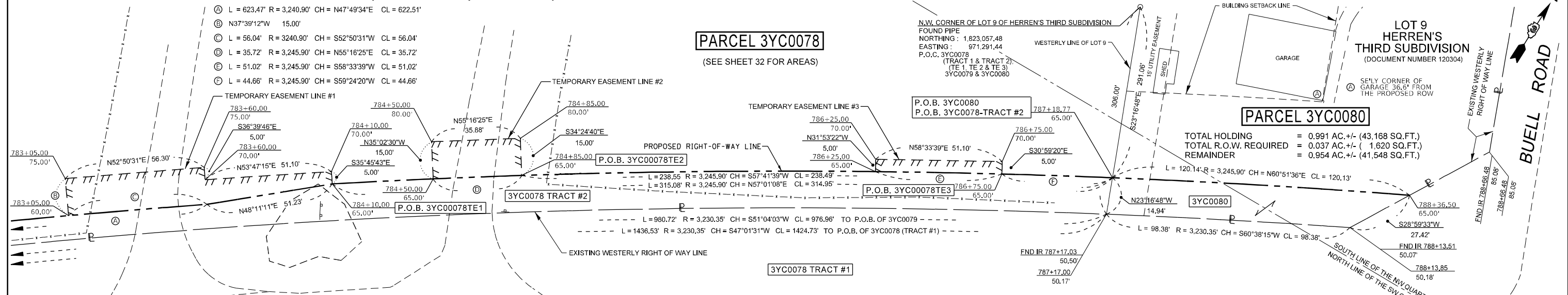
NOTE: BEARINGS AND DISTANCES ARE BASED UPON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, (GRID) EAST ZONE, (NAD-83, 2007 ADJ.).
 ALL AREAS ARE BASED ON GROUND MEASUREMENTS
 COMBINED FACTOR = 0.9999459
 TOTAL HOLDING AREA TAKEN FROM TAX ASSESSOR (NOT SURVEYED)

FILE NAME	USER NAME = stoddardkw	DESIGNED - PVB 08-13-13	REVISED - 03-25-2021 JJC	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RIGHT OF WAY PLANS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN - 04-01-2021 KWS					PROJECT	JOB NO. R-93-004-16	311	(1,1-1)R	KENDALL	847	604
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -	REVISED -		SCALE: 1" = 20'	SHEET 32 OF XX SHEETS	STA. 777+00.00 TO STA. 783+50.00		CONTRACT NO. 66D26		
PLOT DATE = 4/1/2021	DATE -	REVISED -	REVISED -		FED. ROAD DIST. NO. [] ILLINOIS FED. AID PROJECT						

SOUTHWEST 1/4 OF SEC. 24, T. 37 N., R. 7 E., 3RD P.M.

NORTHWEST 1/4 OF SEC. 24, T. 37 N., R. 7 E., 3RD P.M.

BUELL ROAD



ILLINOIS

ROUTE

71

PARCEL 3YC0077
TU FAMILY, LLC
(SEE SHEET 30 FOR AREAS)

PROP. CURVE PHASE2_PR71_28
PI STA. = 782+95.72
Δ = 41° 04' 37" (RT)
D = 1° 48' 04"
R = 3,180.90'
T = 1,191.73'
L = 2,280.48'
E = 215.91'
P.C. STA. = 771+03.99
P.T. STA. = 793+84.47

SURVEYOR'S STATEMENT

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BY: KEITH W. STODDARD, ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3122 (EXPIRES NOV. 2020) DATED _____

SOUTHEAST 1/4 OF SEC. 24, T. 37 N., R. 7 E., 3RD P.M.



NOTE: BEARINGS AND DISTANCES ARE BASED UPON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, (GRID) EAST ZONE, (NAD-83, 2007 ADJ.).

ALL AREAS ARE BASED ON GROUND MEASUREMENTS

COMBINED FACTOR = 0.9999459

TOTAL HOLDING AREA TAKEN FROM TAX ASSESSOR (NOT SURVEYED)

SOUTHWEST 1/4 OF SEC. 24, T. 37 N., R. 7 E., 3RD P.M.

FILE NAME	USER NAME = stoddardkw	DESIGNED - PVB 08-13-13	REVISED - 03-25-2021 JJC	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RIGHT OF WAY PLANS		F.A.P. RTE. 311	SECTION (1,1-1)R	COUNTY KENDALL	TOTAL SHEETS 847	SHEET NO. 605
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED - 04-01-2021 KWS	REVISED -		PROJECT	JOB NO. R-93-004-16	CONTRACT NO. 66D26				
PLOT DATE = 4/5/2021	DATE -	REVISED -	REVISED -		SCALE: 1" = 20'	SHEET 33 OF XX SHEETS	STA. 783+50.00 TO STA. 789+50.00	FED. ROAD DIST. NO. [] ILLINOIS FED. AID PROJECT			

NORTHEAST 1/4 OF SEC. 3,
T. 36 N., R. 7 E., 3RD P.M.

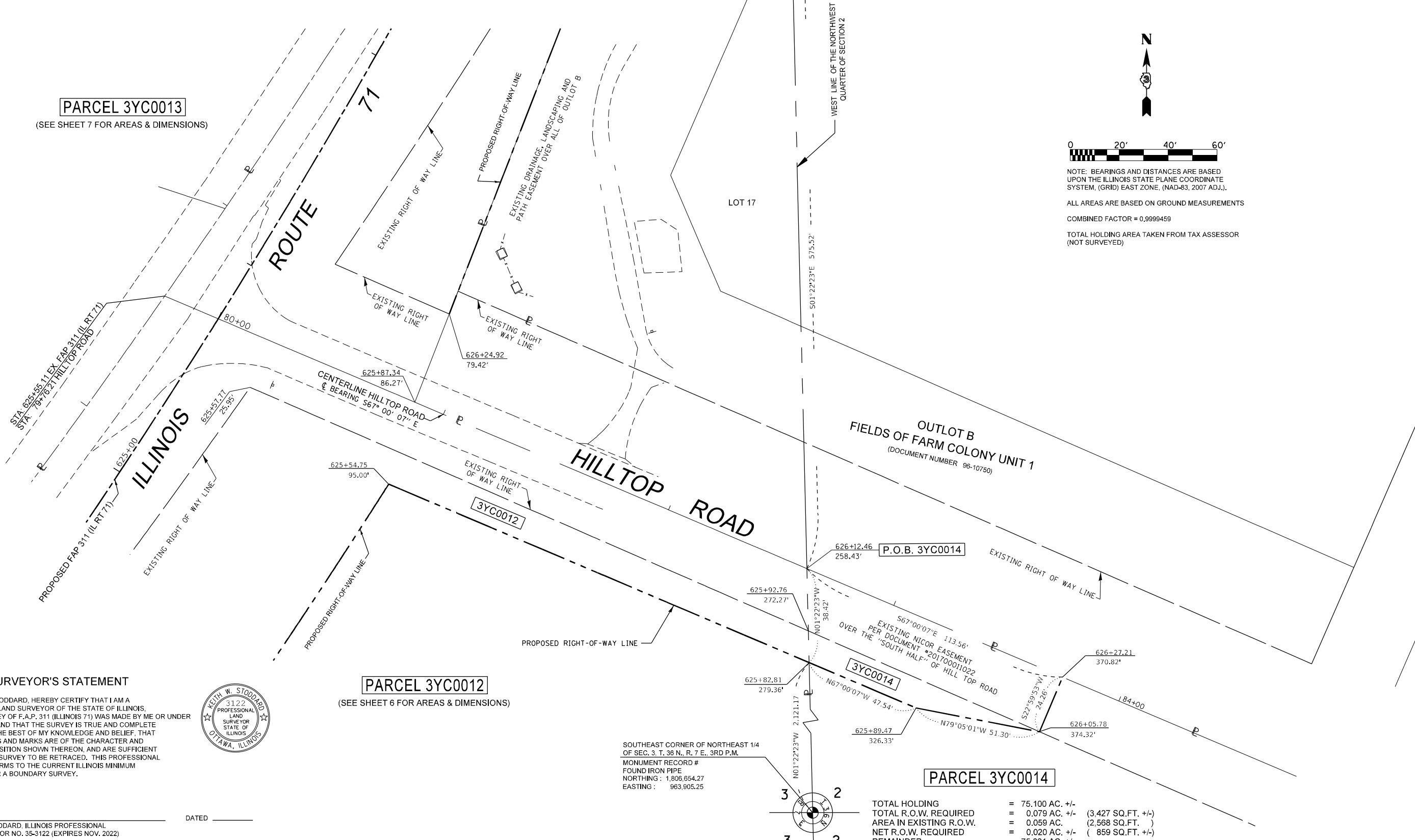
NORTHWEST 1/4 OF SEC. 2,
T. 36 N., R. 7 E., 3RD P.M.

S.W. COR. OF SEC. 35, T. 37 N., R. 7 E., 3RD P.M.
MONUMENT RECORD #
FOUND PIPE
NORTHING : 1,809,363.02
EASTING : 963,837.67
STA. 630+75.64
17.25 LT
P.O.C. 3YC0014

PARCEL 3YC0013
(SEE SHEET 7 FOR AREAS & DIMENSIONS)

PARCEL 3YC0012
(SEE SHEET 6 FOR AREAS & DIMENSIONS)

PARCEL 3YC0014



0 20' 40' 60'

NOTE: BEARINGS AND DISTANCES ARE BASED UPON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, (GRID) EAST ZONE, (NAD-83, 2007 ADJ.).

ALL AREAS ARE BASED ON GROUND MEASUREMENTS

COMBINED FACTOR = 0.9999459

TOTAL HOLDING AREA TAKEN FROM TAX ASSESSOR (NOT SURVEYED)

SURVEYOR'S STATEMENT

I, KEITH W. STODDARD, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF F.A.P. 311 (ILLINOIS 71) WAS MADE BY ME OR UNDER MY DIRECTION, AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



BY: KEITH W. STODDARD, ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3122 (EXPIRES NOV. 2022) DATED _____

TOTAL HOLDING = 75.100 AC. +/-
TOTAL R.O.W. REQUIRED = 0.079 AC. +/- (3,427 SQ.FT. +/-)
AREA IN EXISTING R.O.W. = 0.059 AC. (2,568 SQ.FT.)
NET R.O.W. REQUIRED = 0.020 AC. +/- (859 SQ.FT. +/-)
REMAINDER = 75.021 AC. +/-

FILE NAME	USER NAME =	DESIGNED - PVB 8-13-13	REVISED - 02-04-2020 JJC
		DRAWN - JJC 01-13-20	REVISED - 08-19-2020 JJC
	PLOT SCALE =	CHECKED - KS 01-13-20	REVISED - 10-06-2020 KWS
	PLOT DATE =	DATE -	REVISED - 10-07-2020 KWS

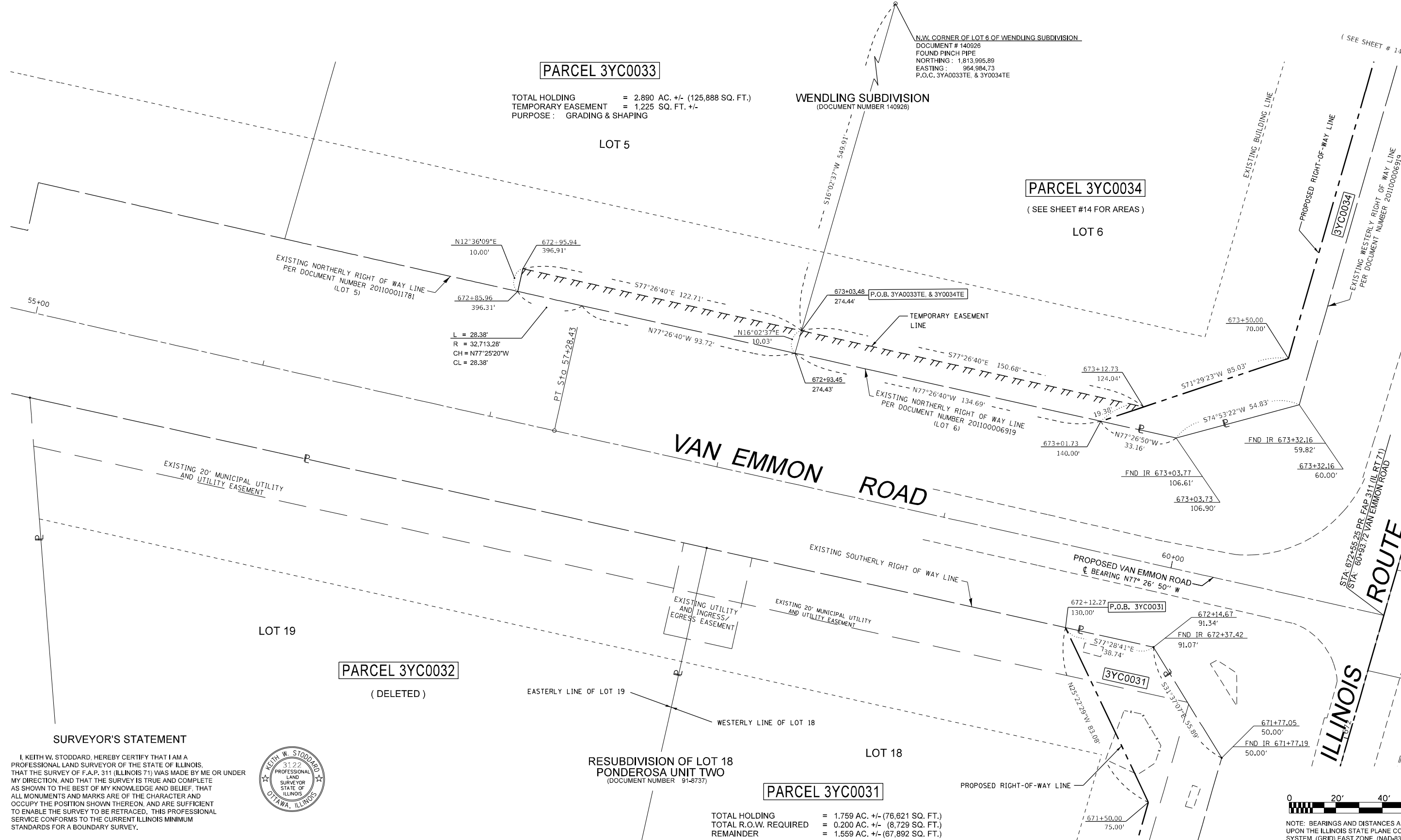
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAT OF HIGHWAYS

PROJECT	JOB NO. R-93-004-16
SCALE: 1" = 20'	STA. 624+00 TO STA. 627+00
SHEET 34 OF XX SHEETS	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1,1-1)R	KENDALL	847	606
ILLINOIS 71		CONTRACT NO. 66D26		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

NORTHWEST 1/4 OF SEC. 35, T. 37 N., R. 7 E., 3RD P.M.



PARCEL 3YC0033

TOTAL HOLDING = 2.890 AC. +/- (125,888 SQ. FT.)
 TEMPORARY EASEMENT = 1,225 SQ. FT. +/-
 PURPOSE: GRADING & SHAPING

LOT 5

WENDLING SUBDIVISION
 (DOCUMENT NUMBER 140926)

PARCEL 3YC0034

(SEE SHEET #14 FOR AREAS)

LOT 6

PARCEL 3YC0032

(DELETED)

LOT 19

RESUBDIVISION OF LOT 18
PONDEROSA UNIT TWO
 (DOCUMENT NUMBER 91-8737)

LOT 18

PARCEL 3YC0031

TOTAL HOLDING = 1.759 AC. +/- (76,621 SQ. FT.)
 TOTAL R.O.W. REQUIRED = 0.200 AC. +/- (8,729 SQ. FT.)
 REMAINDER = 1.559 AC. +/- (67,892 SQ. FT.)

SURVEYOR'S STATEMENT

I, KEITH W. STODDARD, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS. THAT THE SURVEY OF F.A.P. 311 (ILLINOIS 71) WAS MADE BY ME OR UNDER MY DIRECTION, AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF. THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



BY: KEITH W. STODDARD, ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3122 (EXPIRES NOV. 2022) DATED _____



NOTE: BEARINGS AND DISTANCES ARE BASED UPON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, (GRID) EAST ZONE, (NAD-83, 2007 ADJ.).

ALL AREAS ARE BASED ON GROUND MEASUREMENTS
 COMBINED FACTOR = 0.9999459
 TOTAL HOLDING AREA TAKEN FROM TAX ASSESSOR (NOT SURVEYED)

FILE NAME	USER NAME = cimej1j	DESIGNED - PVB 08-13-13	REVISED - 01-30-2020 JJC
pw:\planning\dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 3\Projects\036602\Drawings\LandAcq\036602-19 Plan Sheet		CHECKED -	REVISED - 08-10-2020 KWS
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED - 02-17-2021 JJC REM. T.E.
	PLOT DATE = 2/17/2021	DATE -	REVISED -

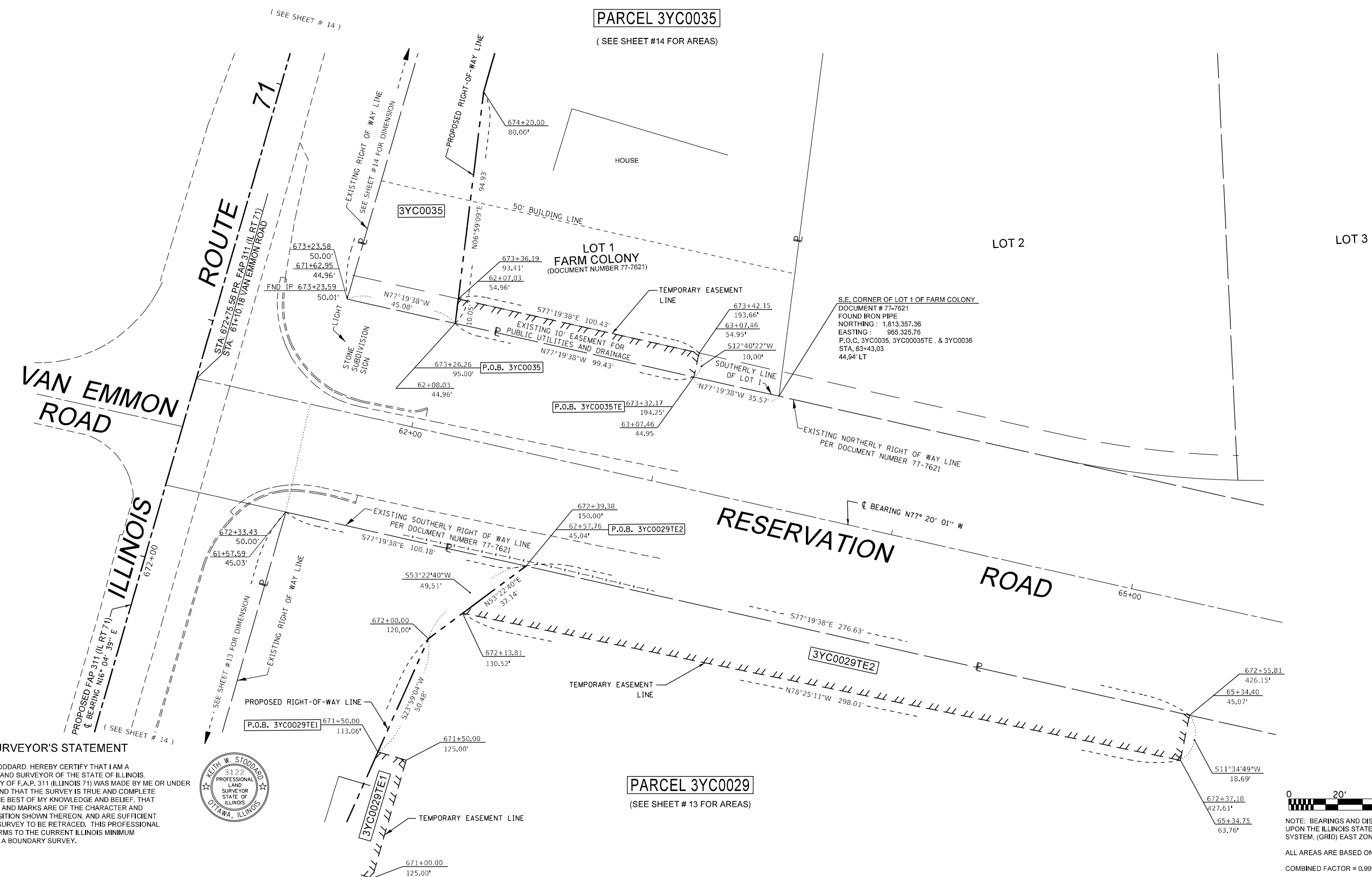
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

PROJECT	JOB NO. R-93-004-16
SCALE: 1" = 20'	STA. 669+50.00 TO STA. 675+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1,1-1)R	KENDALL	847	607
CONTRACT NO. 66D26				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

NORTHWEST 1/4 OF SEC. 35, T. 37 N., R. 7 E., 3RD P.M.



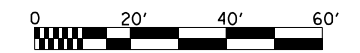
PARCEL 3YC0035
(SEE SHEET #14 FOR AREAS)

PARCEL 3YC0029
(SEE SHEET # 13 FOR AREAS)

SURVEYOR'S STATEMENT
I, KEITH W. STODDARD, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF F.A.P. 311 (ILLINOIS 71) WAS MADE BY ME OR UNDER MY DIRECTION, AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

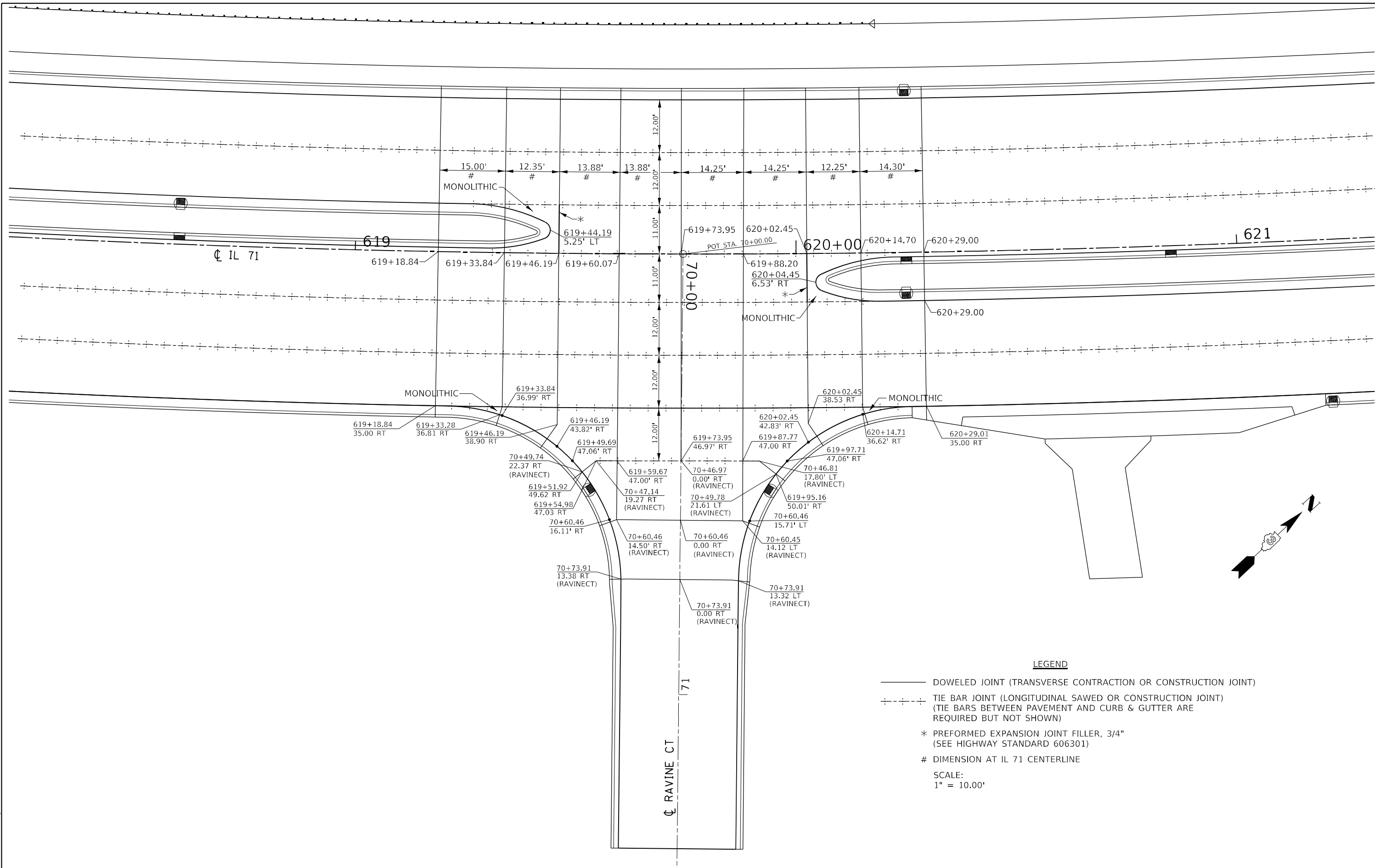


BY _____ DATED _____
KEITH W. STODDARD, ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3122 (EXPIRES NOV. 2022)



NOTE: BEARINGS AND DISTANCES ARE BASED UPON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, (GRID) EAST ZONE, (NAD-83, 2007 ADJ.).
ALL AREAS ARE BASED ON GROUND MEASUREMENTS
COMBINED FACTOR = 0.9999459
TOTAL HOLDING AREA TAKEN FROM TAX ASSESSOR (NOT SURVEYED)

FILE NAME p:\planning\dot.illinois.gov\PIWOT\Documents\DOT Offices\District 3\Projects\036620\036620-19 Plan Sheet	USER NAME = cimej	DESIGNED - PVB 08-13-13	REVISED - 01-29-2020 JJC	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAT OF HIGHWAYS		F.A.P. RTE. 311	SECTION (1,1-1)R	COUNTY KENDALL	TOTAL SHEETS 847	SHEET NO. 608
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED - 08-19-2020 KWS		REVISED - 01-11-2021 JJC	PROJECT	JOB NO. R-93-004-16	CONTRACT NO. 66D26		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	
PLOT DATE = 1/11/2021	DATE -	REVISED -	REVISED -	SCALE: 1" = 20'	SHEET 36 OF XX SHEETS	STA. 669+50.00 TO STA. 675+50.00					



LEGEND

- DOWELED JOINT (TRANSVERSE CONTRACTION OR CONSTRUCTION JOINT)
- - - - TIE BAR JOINT (LONGITUDINAL SAWED OR CONSTRUCTION JOINT)
(TIE BARS BETWEEN PAVEMENT AND CURB & GUTTER ARE REQUIRED BUT NOT SHOWN)
- * PREFORMED EXPANSION JOINT FILLER, 3/4"
(SEE HIGHWAY STANDARD 606301)
- # DIMENSION AT IL 71 CENTERLINE
- SCALE:
1" = 10.00'

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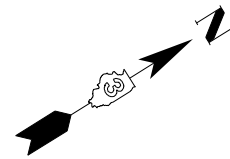
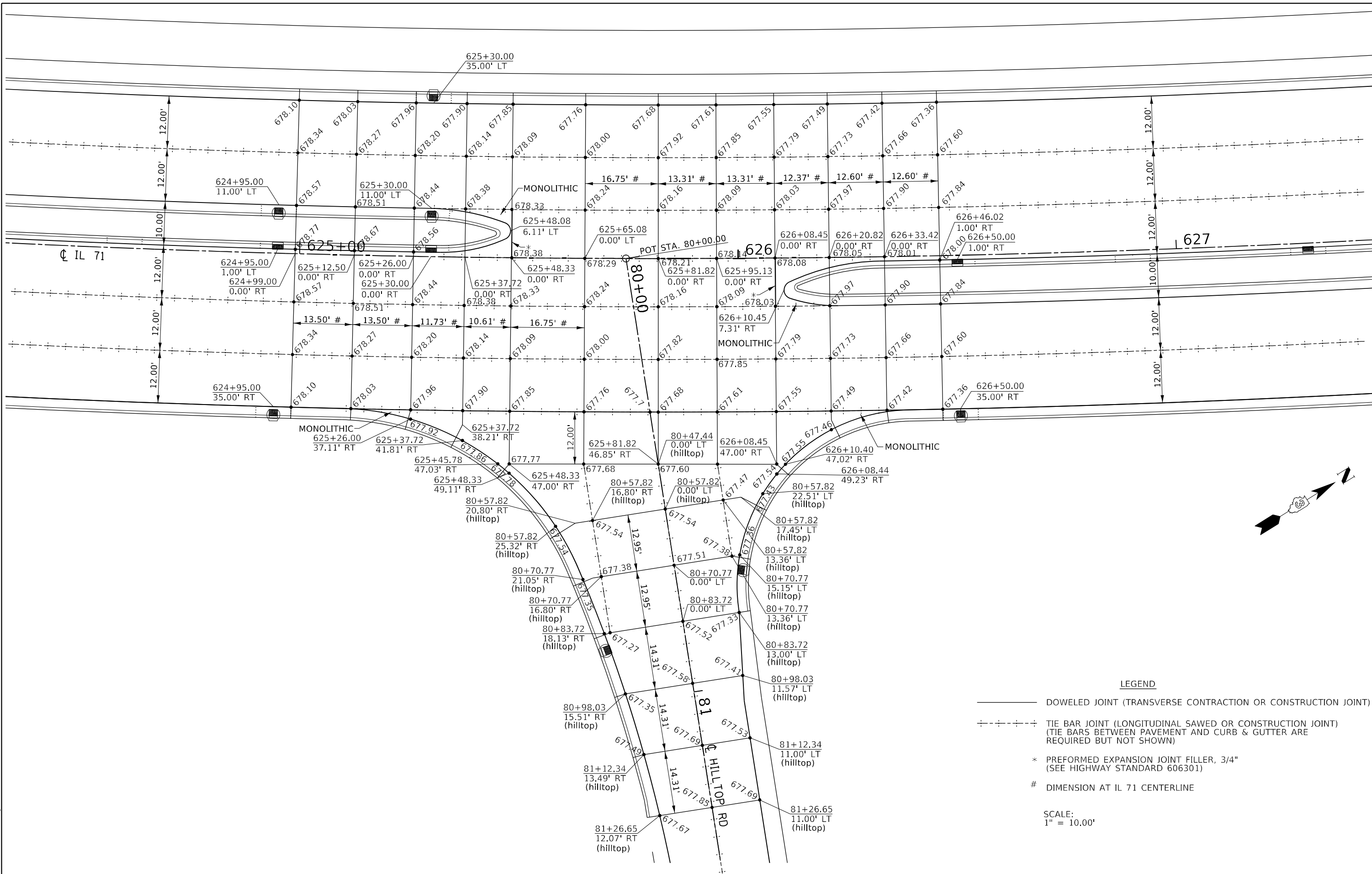
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 71 / RAVINE COURT
PAVEMENT JOINT DETAILS**

SCALE: 1"=10' SHEET 1 OF 11 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R,BR1	KENDALL	847	609
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				



LEGEND

———— DOWELED JOINT (TRANSVERSE CONTRACTION OR CONSTRUCTION JOINT)

----- TIE BAR JOINT (LONGITUDINAL SAWED OR CONSTRUCTION JOINT)
(TIE BARS BETWEEN PAVEMENT AND CURB & GUTTER ARE REQUIRED BUT NOT SHOWN)

* PREFORMED EXPANSION JOINT FILLER, 3/4"
(SEE HIGHWAY STANDARD 606301)

DIMENSION AT IL 71 CENTERLINE

SCALE:
1" = 10.00'

MODEL: Default
FILE NAME: ..._366D26-sh-intersections.dgn

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

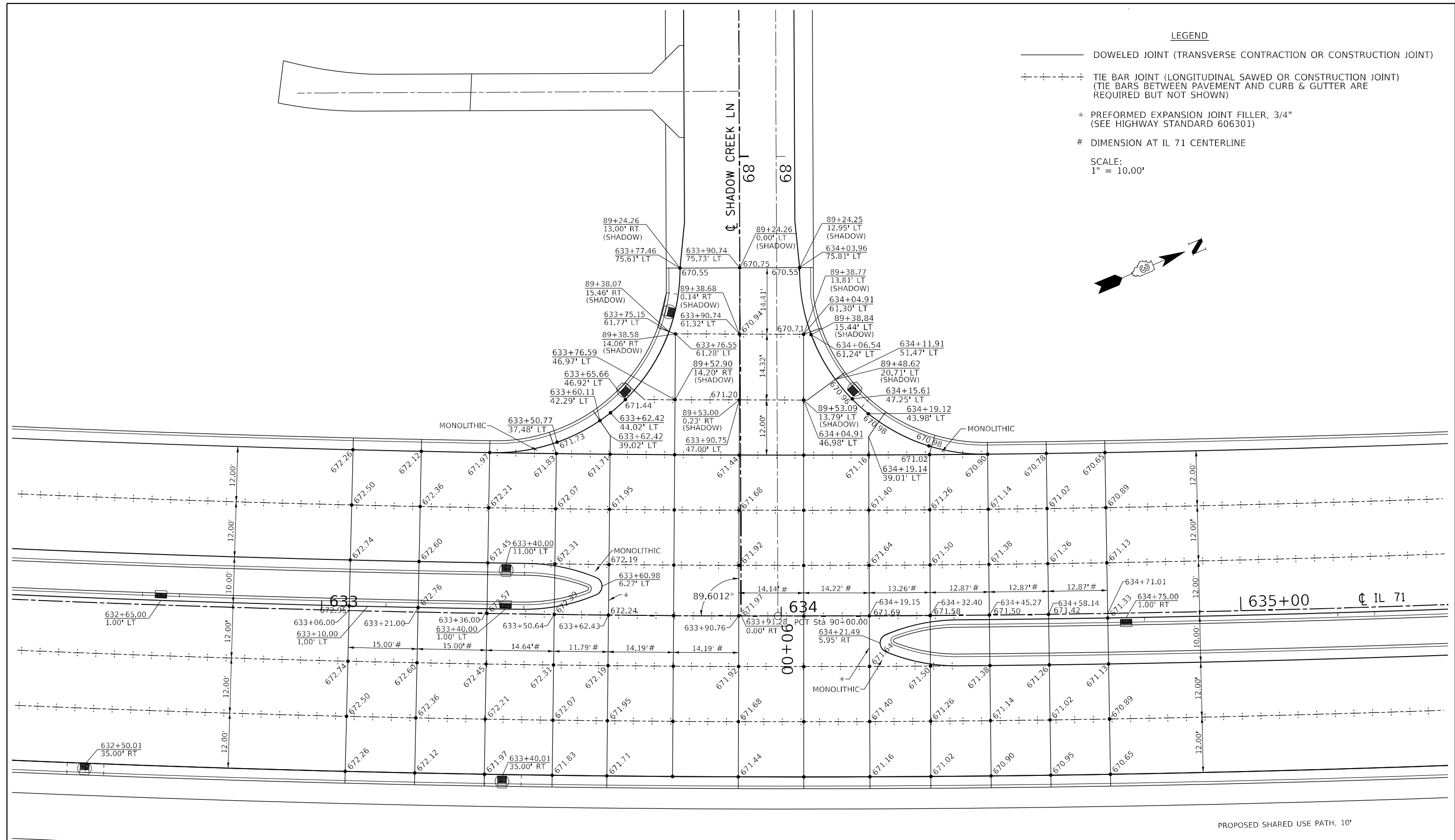
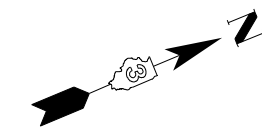
**IL 71 / HILLTOP ROAD
PAVEMENT JOINT DETAILS**

SCALE: 1"=10' SHEET 2 OF 11 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R,BR1	KENDALL	847	610
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				

LEGEND

- DOWELED JOINT (TRANSVERSE CONTRACTION OR CONSTRUCTION JOINT)
 - - - - - TIE BAR JOINT (LONGITUDINAL SAWED OR CONSTRUCTION JOINT)
(TIE BARS BETWEEN PAVEMENT AND CURB & GUTTER ARE REQUIRED BUT NOT SHOWN)
 - * PREFORMED EXPANSION JOINT FILLER, 3/4"
(SEE HIGHWAY STANDARD 606301)
 - # DIMENSION AT IL 71 CENTERLINE
- SCALE:
1" = 10.00'



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 71 / SHADOW CREEK LANE
PAVEMENT JOINT DETAILS**

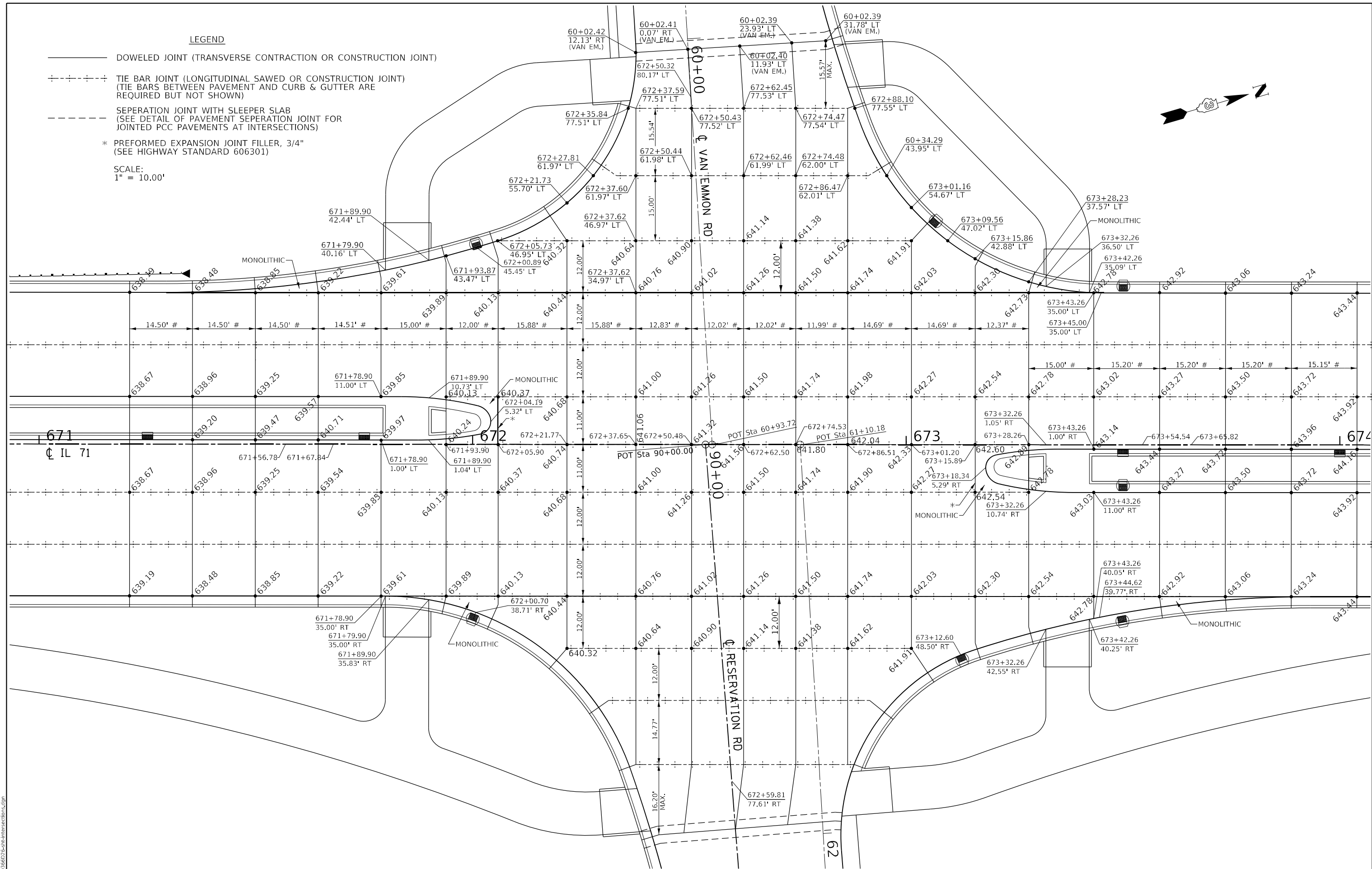
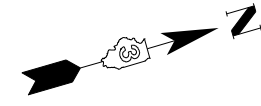
SCALE: 1"=10' SHEET 3 OF 11 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R,BR1	KENDALL	847	611
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				

LEGEND

- DOWELED JOINT (TRANSVERSE CONTRACTION OR CONSTRUCTION JOINT)
- - - - - TIE BAR JOINT (LONGITUDINAL SAWED OR CONSTRUCTION JOINT)
(TIE BARS BETWEEN PAVEMENT AND CURB & GUTTER ARE REQUIRED BUT NOT SHOWN)
- - - - - SEPERATION JOINT WITH SLEEPER SLAB
(SEE DETAIL OF PAVEMENT SEPERATION JOINT FOR JOINTED PCC PAVEMENTS AT INTERSECTIONS)
- * PREFORMED EXPANSION JOINT FILLER, 3/4"
(SEE HIGHWAY STANDARD 606301)

SCALE:
1" = 10.00'



MODEL: Default
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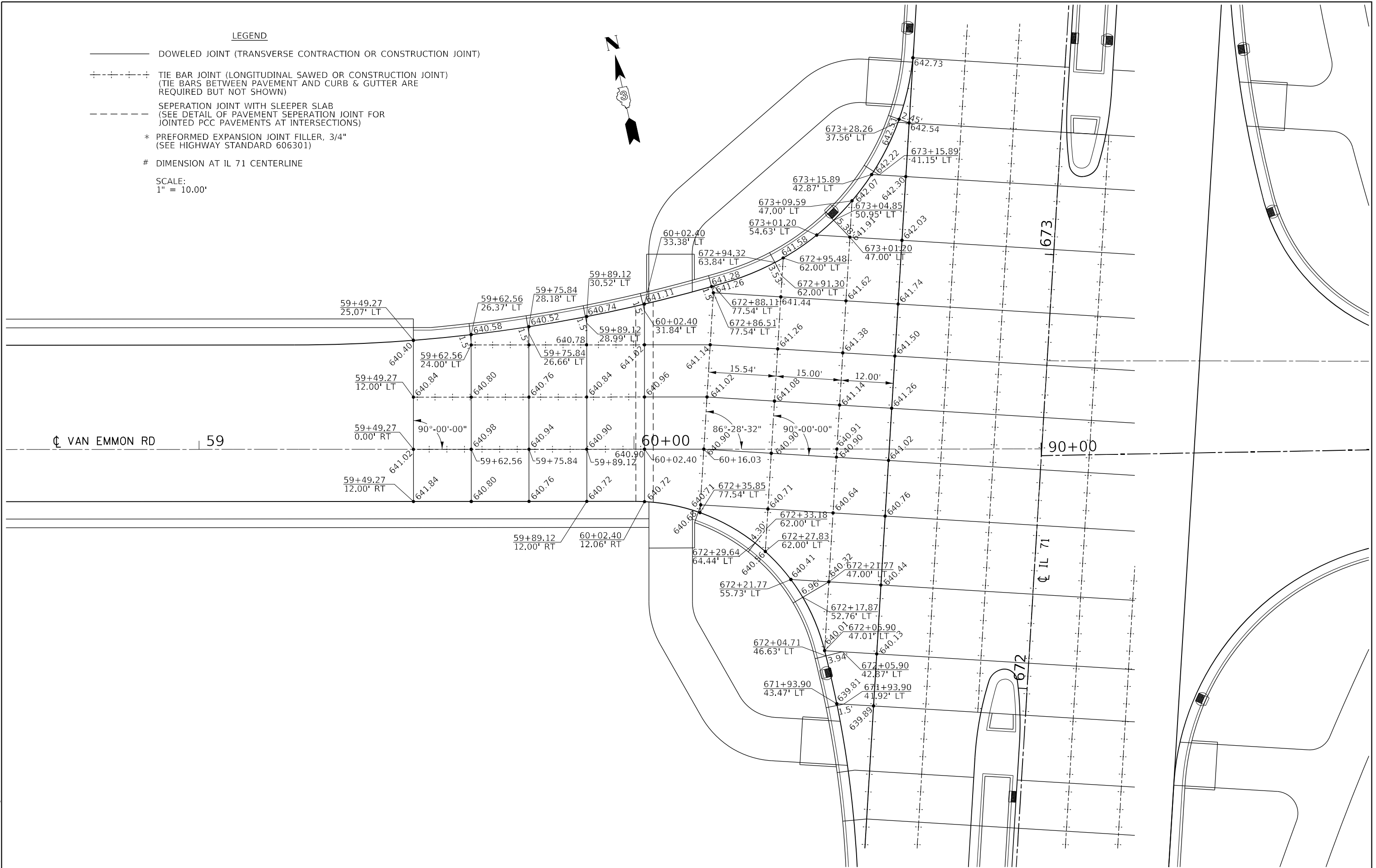
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 71 / VAN EMMON/RESERVATION INTERSECTION PAVEMENT JOINT DETAILS	
SCALE: 1"=10'	SHEET 4 OF 11 SHEETS STA. TO STA.

F.A.P. RTE. 311	SECTION (1-1)R.BR1	COUNTY KENDALL	TOTAL SHEETS 847	SHEET NO. 612
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				

LEGEND

- DOWELED JOINT (TRANSVERSE CONTRACTION OR CONSTRUCTION JOINT)
 - ⋈⋈⋈⋈⋈ TIE BAR JOINT (LONGITUDINAL SAWED OR CONSTRUCTION JOINT)
(TIE BARS BETWEEN PAVEMENT AND CURB & GUTTER ARE REQUIRED BUT NOT SHOWN)
 - - - - SEPERATION JOINT WITH SLEEPER SLAB
(SEE DETAIL OF PAVEMENT SEPERATION JOINT FOR JOINTED PCC PAVEMENTS AT INTERSECTIONS)
 - * PREFORMED EXPANSION JOINT FILLER, 3/4"
(SEE HIGHWAY STANDARD 606301)
 - # DIMENSION AT IL 71 CENTERLINE
- SCALE:
1" = 10.00'



MODEL: Default
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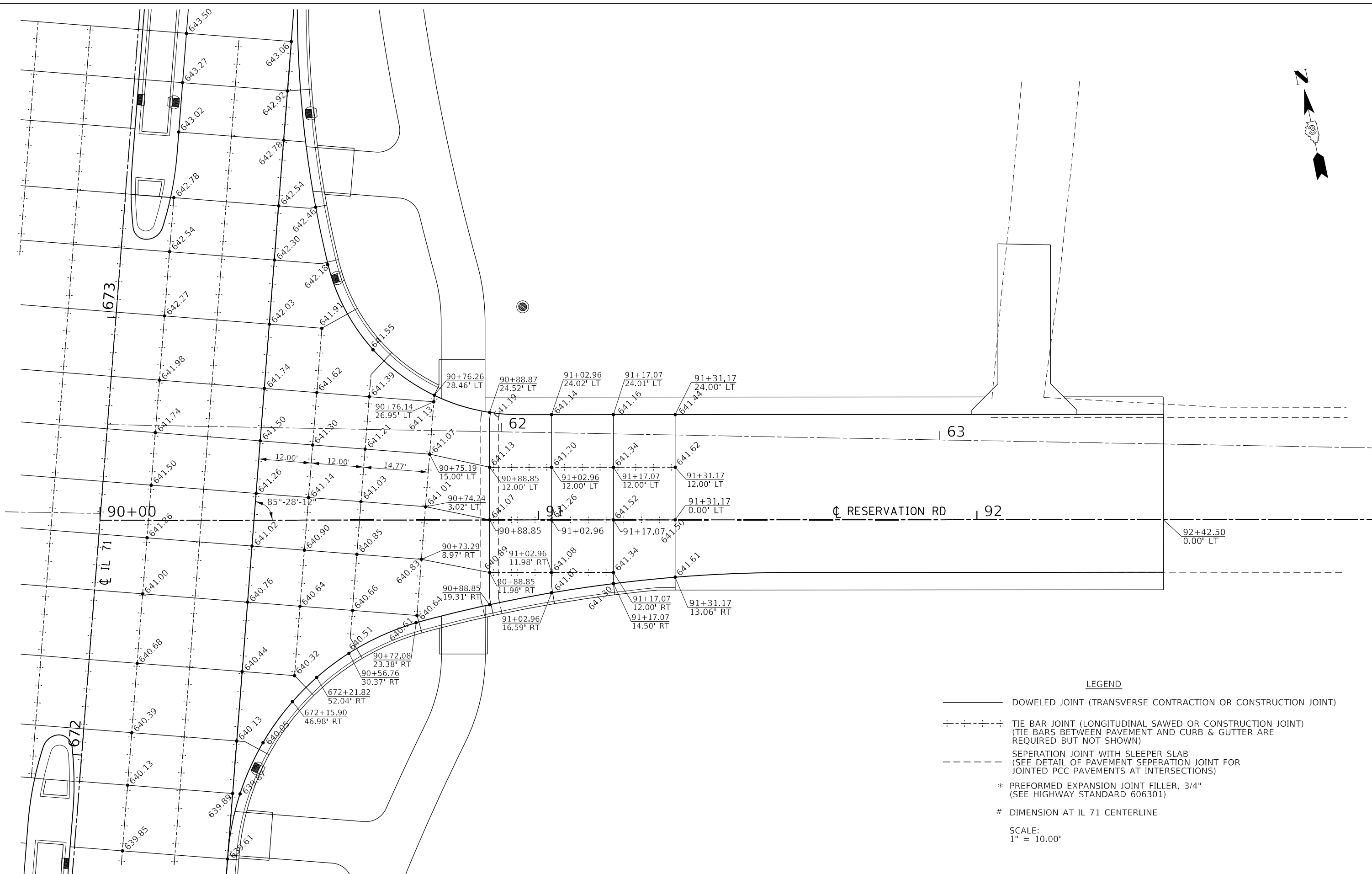
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 71 /VAN EMMON ROAD
PAVEMENT JOINT DETAILS**

SCALE: 1"=10' SHEET 5 OF 11 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R,BR1	KENDALL	847	613
CONTRACT NO. 66D26				

ILLINOIS FED. AID PROJECT



LEGEND

- DOWELED JOINT (TRANSVERSE CONTRACTION OR CONSTRUCTION JOINT)
 - - - - - TIE BAR JOINT (LONGITUDINAL SAWED OR CONSTRUCTION JOINT)
(TIE BARS BETWEEN PAVEMENT AND CURB & GUTTER ARE REQUIRED BUT NOT SHOWN)
 - · - · - · SEPERATION JOINT WITH SLEEPER SLAB
(SEE DETAIL OF PAVEMENT SEPERATION JOINT FOR JOINTED PCC PAVEMENTS AT INTERSECTIONS)
 - * PREFORMED EXPANSION JOINT FILLER, 3/4"
(SEE HIGHWAY STANDARD 606301)
 - # DIMENSION AT IL 71 CENTERLINE
- SCALE:
1" = 10.00'

MODEL: Default
 FILE NAME: ..._366D26-sh-intersections.dgn

USER NAME = dhawes	DESIGNED -	REVISED -
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PLOT DATE = 3/24/2022 - 2:57:51 PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 71 / RESERVATION ROAD
PAVEMENT JOINT DETAILS

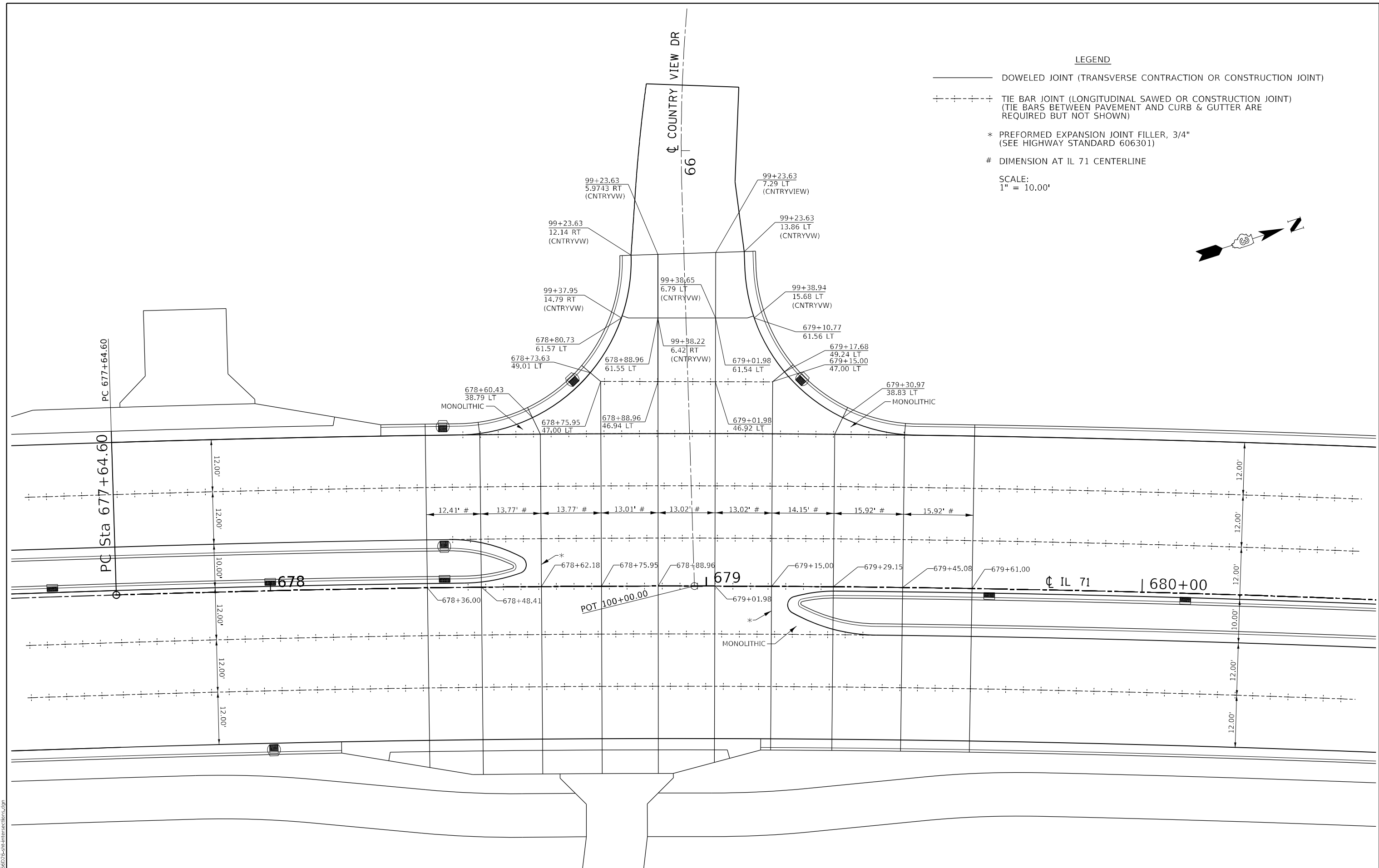
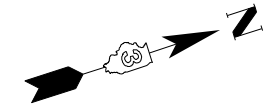
SCALE: 1"=10' SHEET 6 OF 11 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R,BR1	KENDALL	847	614
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				

LEGEND

- DOWELED JOINT (TRANSVERSE CONTRACTION OR CONSTRUCTION JOINT)
- +---+---+ TIE BAR JOINT (LONGITUDINAL SAWED OR CONSTRUCTION JOINT)
(TIE BARS BETWEEN PAVEMENT AND CURB & GUTTER ARE REQUIRED BUT NOT SHOWN)
- * PREFORMED EXPANSION JOINT FILLER, 3/4"
(SEE HIGHWAY STANDARD 606301)
- # DIMENSION AT IL 71 CENTERLINE

SCALE:
1" = 10.00'



MODEL: Default
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	DRAWN -	REVISED -
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PLOT DATE = 3/24/2022 - 2:57:52 PM	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 71 / COUNTRY VIEW DRIVE
PAVEMENT JOINT DETAILS**

F.A.P. RTE. 311	SECTION (1-1)R,BR1	COUNTY KENDALL	TOTAL SHEETS 847	SHEET NO. 615
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				

SCALE: 1"=10' SHEET 7 OF 11 SHEETS STA. TO STA.

LEGEND

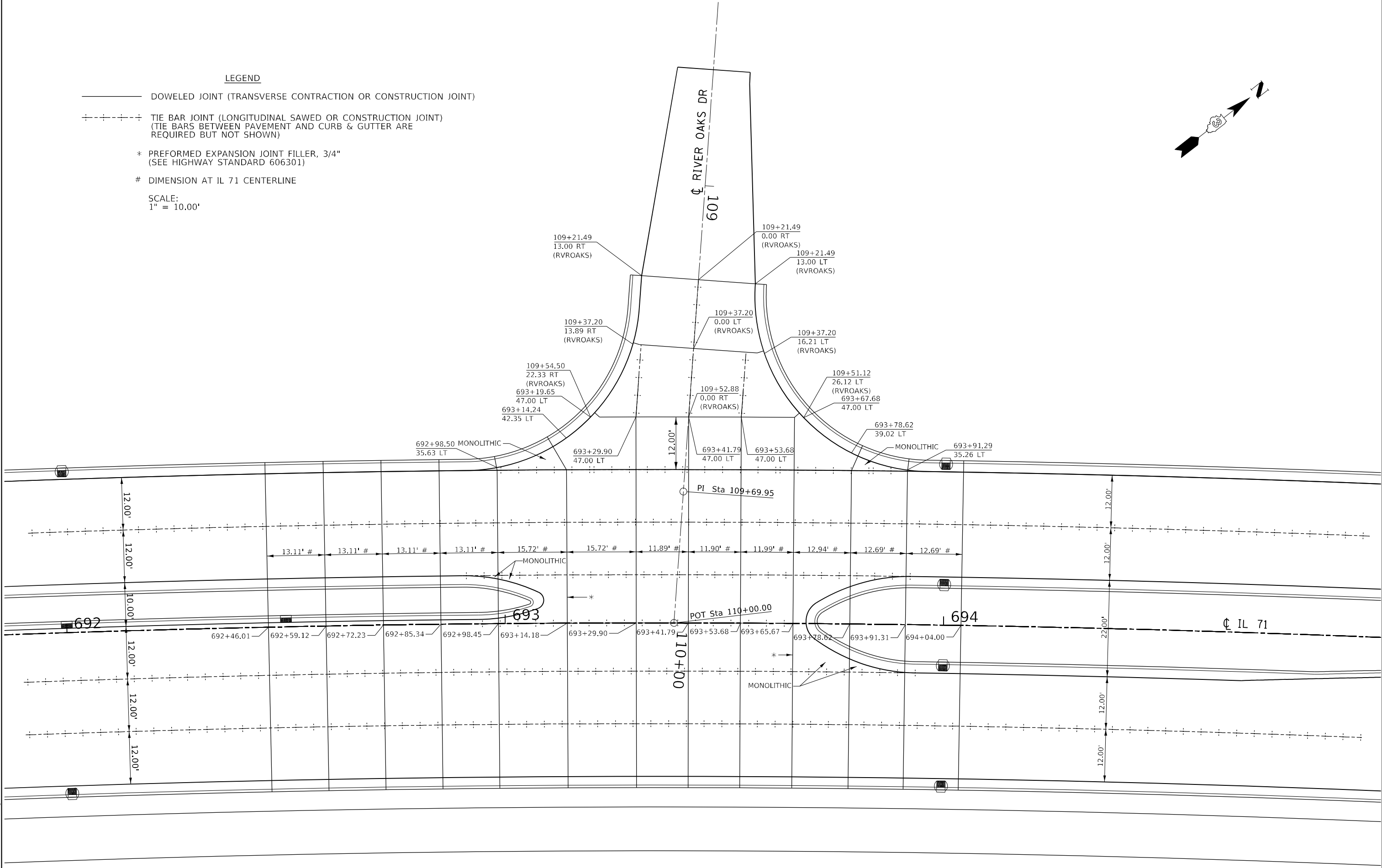
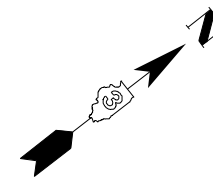
———— DOWELED JOINT (TRANSVERSE CONTRACTION OR CONSTRUCTION JOINT)

⋈⋈⋈⋈⋈ TIE BAR JOINT (LONGITUDINAL SAWED OR CONSTRUCTION JOINT)
(TIE BARS BETWEEN PAVEMENT AND CURB & GUTTER ARE REQUIRED BUT NOT SHOWN)

* PREFORMED EXPANSION JOINT FILLER, 3/4"
(SEE HIGHWAY STANDARD 606301)

DIMENSION AT IL 71 CENTERLINE

SCALE:
1" = 10.00'



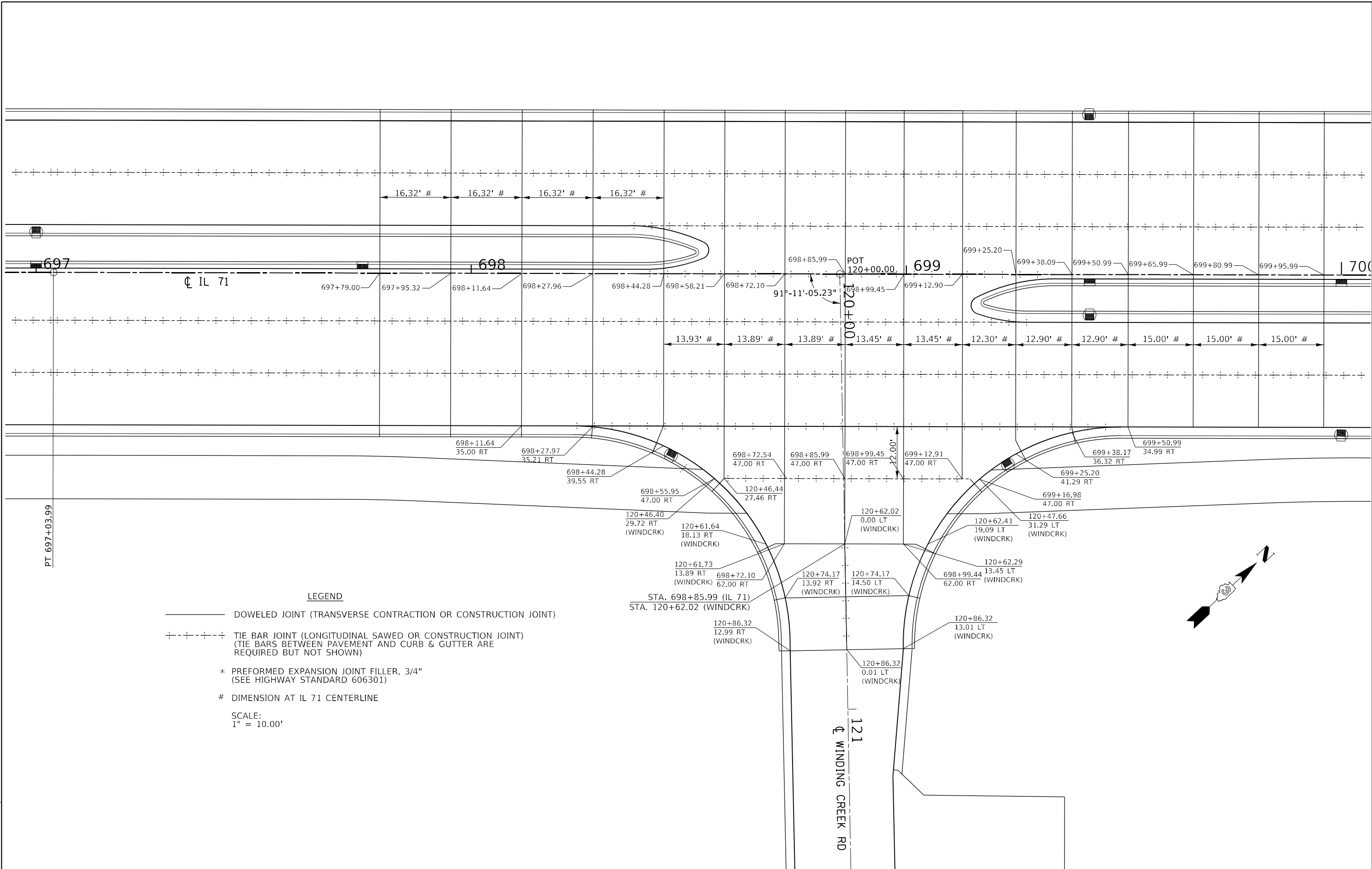
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PLOT DATE = 3/24/2022 - 2:57:52 PM	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 71 / RIVER OAKS DRIVE PAVEMENT JOINT DETAILS	
SCALE: 1"=10'	SHEET 8 OF 11 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R,BR1	KENDALL	847	616
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				



LEGEND

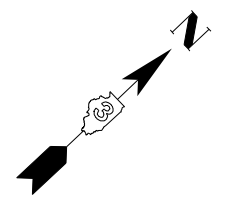
———— DOWELED JOINT (TRANSVERSE CONTRACTION OR CONSTRUCTION JOINT)

- - - - - TIE BAR JOINT (LONGITUDINAL SAWED OR CONSTRUCTION JOINT)
(TIE BARS BETWEEN PAVEMENT AND CURB & GUTTER ARE REQUIRED BUT NOT SHOWN)

* PREFORMED EXPANSION JOINT FILLER, 3/4"
(SEE HIGHWAY STANDARD 606301)

DIMENSION AT IL 71 CENTERLINE

SCALE:
1" = 10.00'



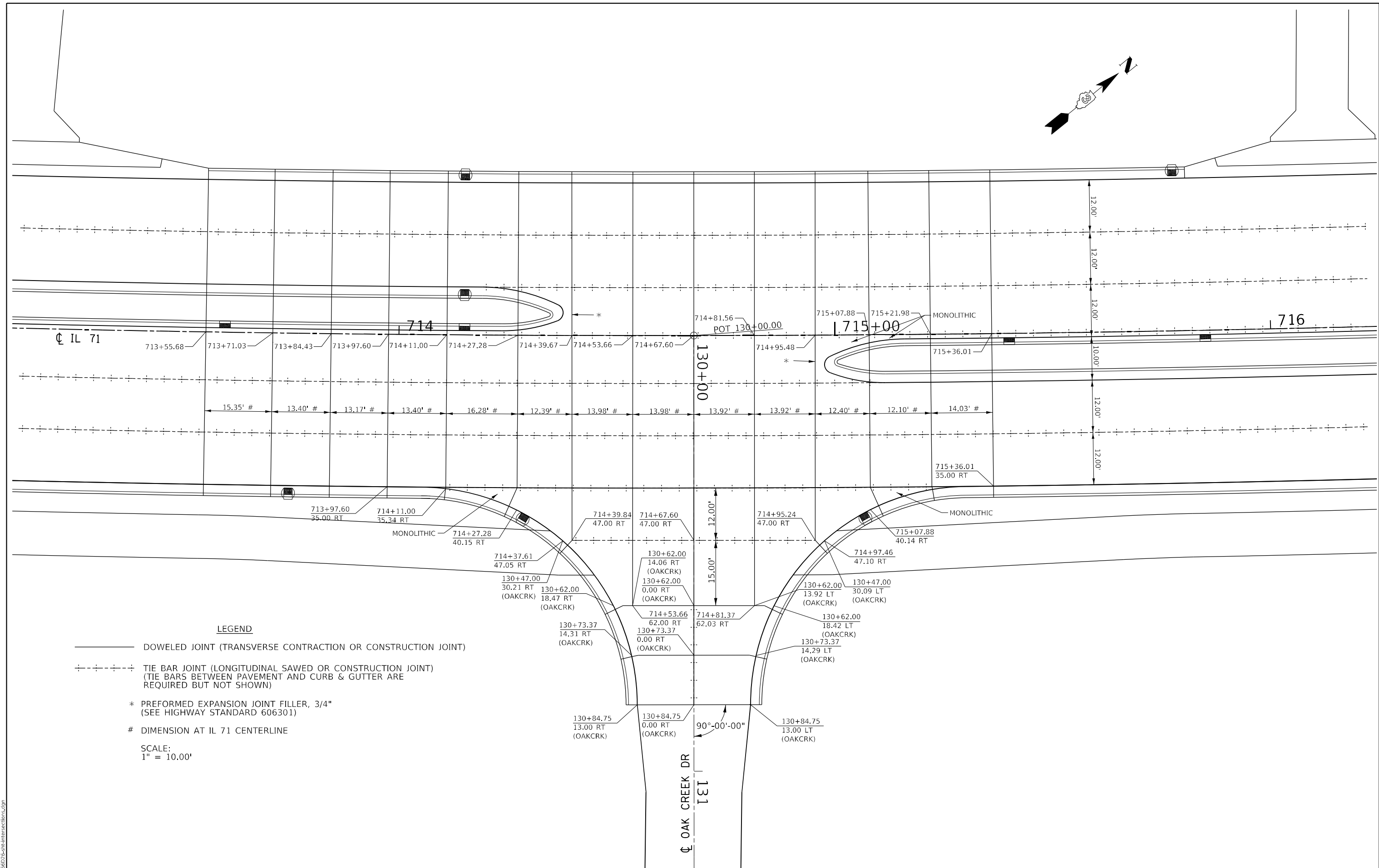
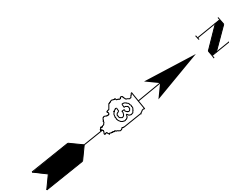
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 71 / WINDING CREEK ROAD PAVEMENT JOINT DETAILS	
SCALE: 1"=10'	SHEET 9 OF 11 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R,BR1	KENDALL	847	617
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				



LEGEND

- DOWELED JOINT (TRANSVERSE CONTRACTION OR CONSTRUCTION JOINT)
 - ⋈ TIE BAR JOINT (LONGITUDINAL SAWED OR CONSTRUCTION JOINT)
(TIE BARS BETWEEN PAVEMENT AND CURB & GUTTER ARE REQUIRED BUT NOT SHOWN)
 - * PREFORMED EXPANSION JOINT FILLER, 3/4"
(SEE HIGHWAY STANDARD 606301)
 - # DIMENSION AT IL 71 CENTERLINE
- SCALE:
1" = 10.00'

MODEL: Default
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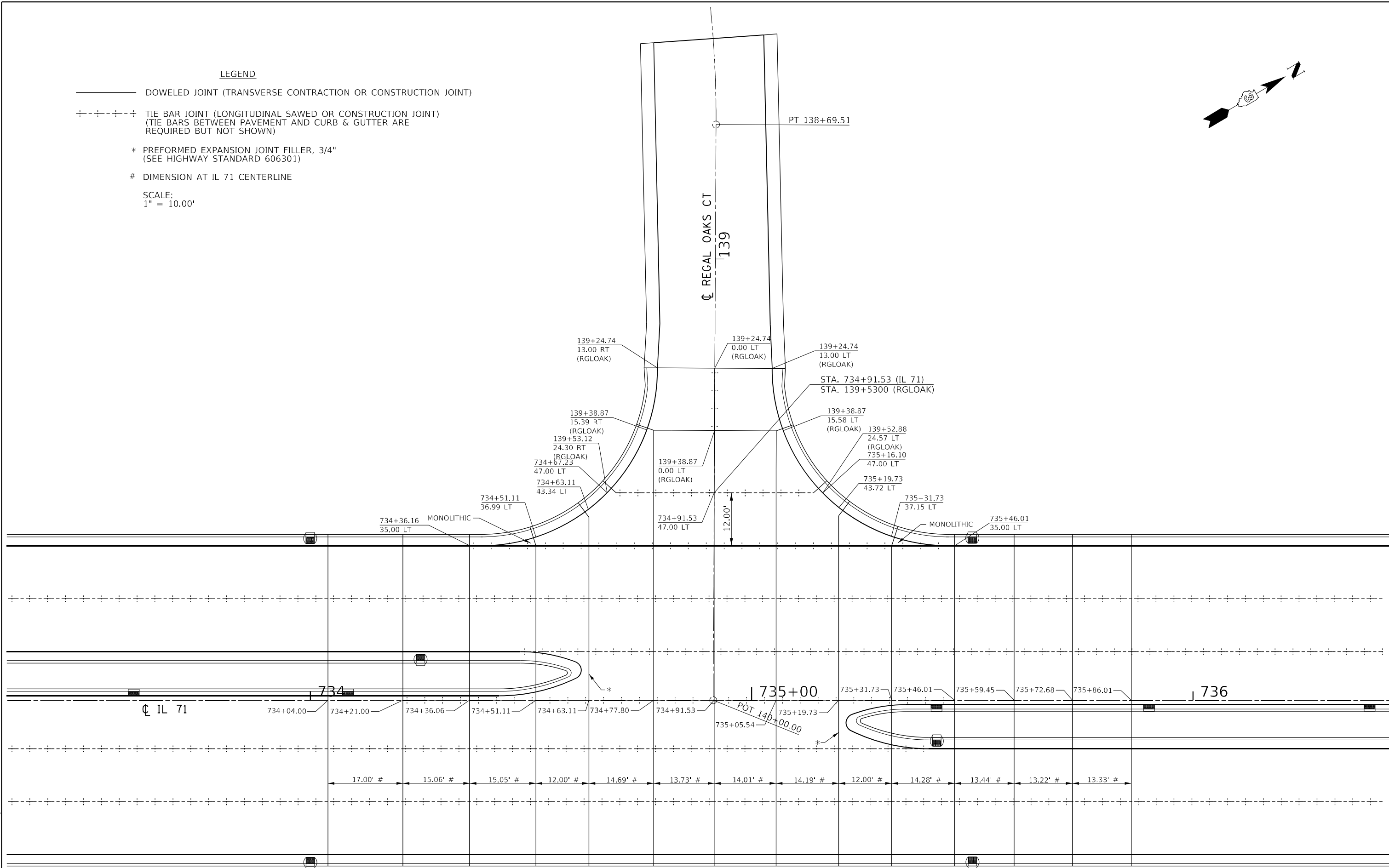
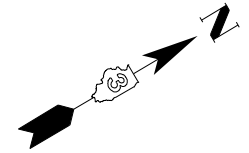
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 71 /OAK CREEK DRIVE
PAVEMENT JOINT DETAILS**

SCALE: 1"=10' SHEET 10 OF 11 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R,BR1	KENDALL	847	618
CONTRACT NO. 66D26			ILLINOIS FED. AID PROJECT	

- LEGEND**
- DOWELED JOINT (TRANSVERSE CONTRACTION OR CONSTRUCTION JOINT)
 - ⊕-⊕-⊕-⊕-⊕ TIE BAR JOINT (LONGITUDINAL SAWED OR CONSTRUCTION JOINT)
(TIE BARS BETWEEN PAVEMENT AND CURB & GUTTER ARE REQUIRED BUT NOT SHOWN)
 - * PREFORMED EXPANSION JOINT FILLER, 3/4"
(SEE HIGHWAY STANDARD 606301)
 - # DIMENSION AT IL 71 CENTERLINE
- SCALE:
1" = 10.00'



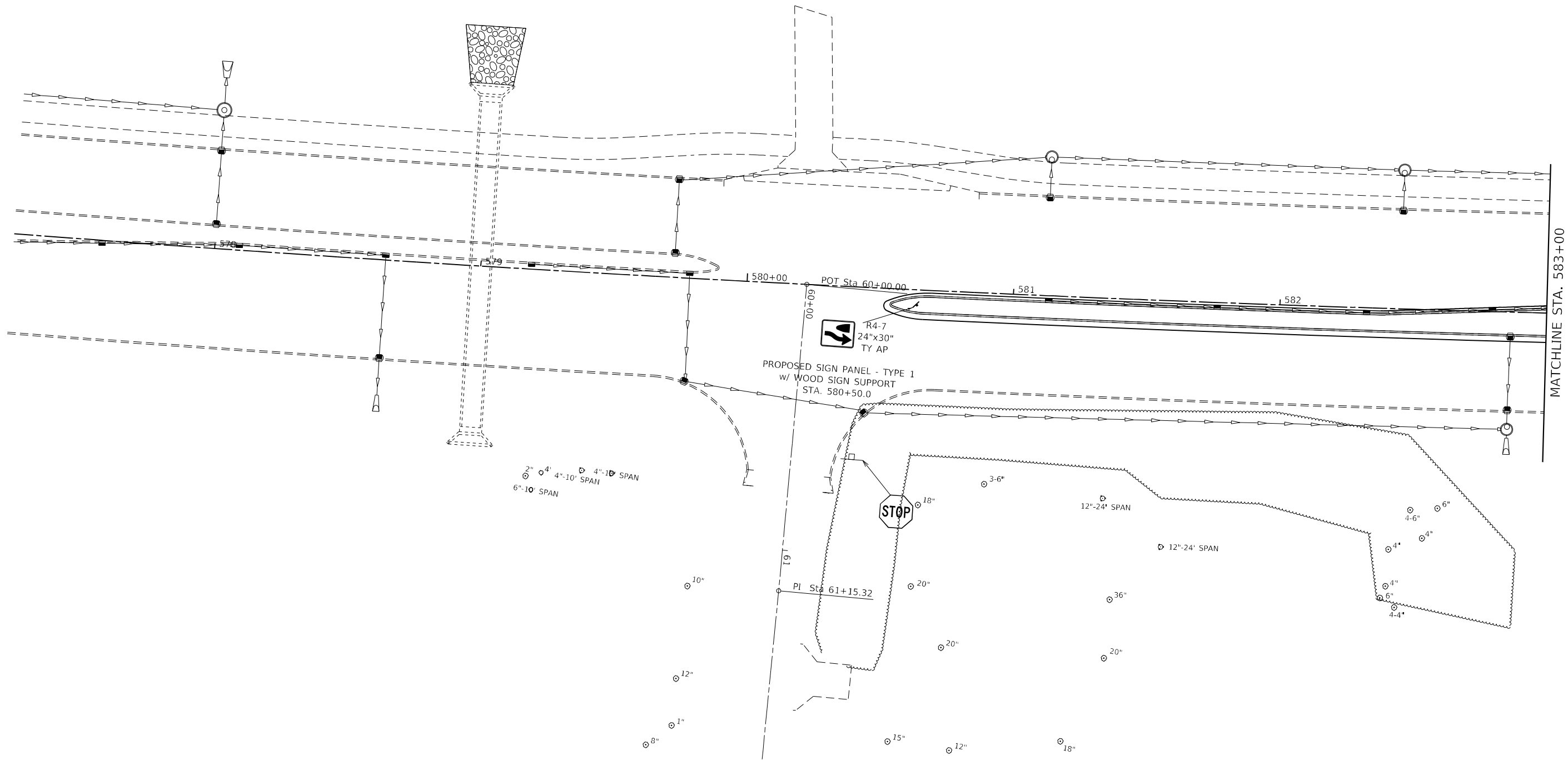
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PLOT DATE = 3/24/2022 - 2:57:53 PM	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 71 / REGAL OAKS COURT PAVEMENT JOINT DETAILS			
SCALE: 1"=10'	SHEET 11	OF 11 SHEETS	TO STA.

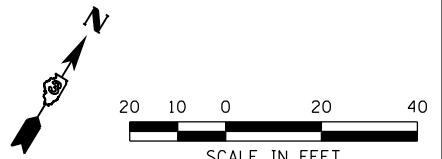
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R,BR1	KENDALL	847	619
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				



- | | |
|---|--|
| <ul style="list-style-type: none"> ① POLYUREA PM TYPE II - LINE 4" (SOLID YELLOW) ② POLYUREA PM TYPE II - LINE 4" (SOLID WHITE) ③ POLYUREA PM TYPE II - LINE 8" (SOLID WHITE) ④ POLYUREA PM TYPE II - LINE 8" (WHITE, SKIP-DASH 2'-6") ⑤ POLYUREA PM TYPE II - LINE 12" (SOLID YELLOW) ⑥ POLYUREA PM TYPE II - LINE 12" (SOLID WHITE) ⑦ POLYUREA PM TYPE II - LINE 24" (SOLID WHITE) ⑧ PREFORMED PLASTIC PM TY D - LINE, SPECIAL 5" WHITE 1-1/2" BLACK (10'-30' SKIP DASH) ⑨ PREFORMED PLASTIC PM TY D - LINE 6" (SOLID WHITE) ⑩ PREFORMED PLASTIC PM TY D - LINE 24" (SOLID WHITE) | <ul style="list-style-type: none"> ⑪ PREFORMED PLASTIC PM TY D - LETTERS AND SYMBOLS ⑫ RAISED REFLECTIVE PAVEMENT MARKERS (TWO-WAY AMBER) ⑬ RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY CRYSTAL - ONE-WAY RED) ⑭ PRISMATIC CURB REFLECTOR ⑮ GROOVING FOR RECESSED PAVEMENT MARKING 5" ⑯ GROOVING FOR RECESSED PAVEMENT MARKING 7" ⑰ GROOVING FOR RECESSED PAVEMENT MARKING 9" ⑱ GROOVING FOR RECESSED PAVEMENT MARKING 13" ⑲ GROOVING FOR RECESSED PAVEMENT MARKING 25" ⑳ GROOVING FOR RECESSED PAVEMENT MARKING LETTERS AND SYMBOLS ㉑ FLEXIBLE DELINEATOR POST |
|---|--|

NOTES:

- ALL SIGNS TO BE INSTALLED WILL BE NEW AND SHALL HAVE SIGN SHEETING PER THE DEPARTMENT'S FABRICATION OF SIGN POLICY, WITH NEW SIGN SUPPORTS.
- ALL EXISTING SIGNS ARE TO BE DELIVERED TO THE IDOT YORKVILLE MAINTENANCE YARD. THEY MAY BE DELIVERED EITHER BANDED TOGETHER OR ON A PALLET.
- A 12" X 12" BLOCK OUT WILL BE REQUIRED FOR ANY SIGNS LOCATED AT A CONCRETE MEDIAN SURFACE LOCATION.



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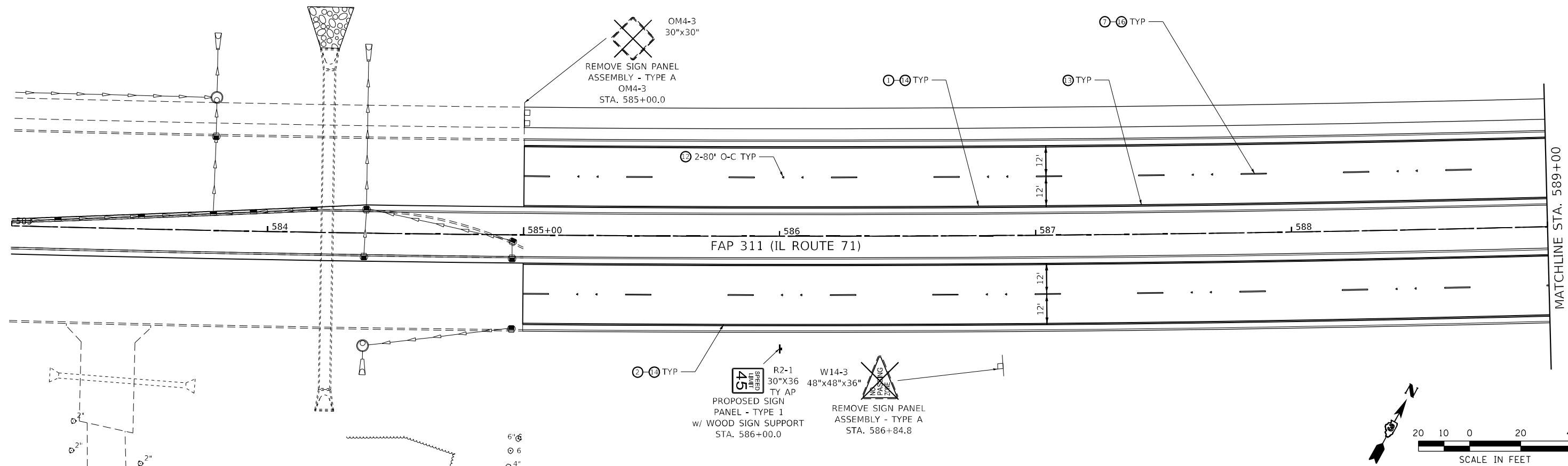


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	DATE -	REVISED -

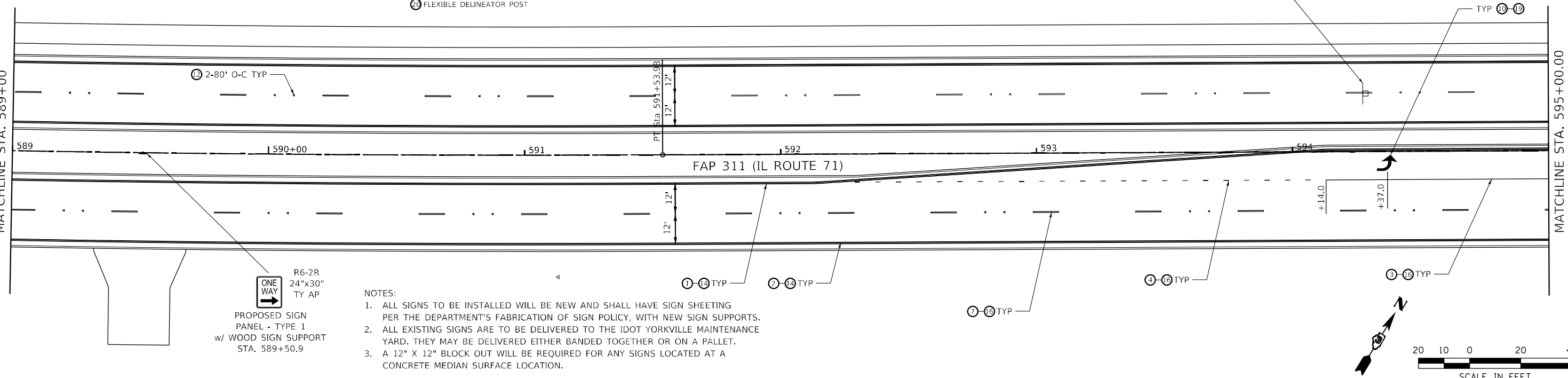
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING			
IL ROUTE 71			
SCALE: 1" = 20'	SHEET 1	OF 22 SHEETS	STA. 577+00.00 TO STA. 583+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1,1-1)R	KENDALL	847	620
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				



- ① POLYUREA PM TYPE II - LINE 4" (SOLID YELLOW)
- ② POLYUREA PM TYPE II - LINE 4" (SOLID WHITE)
- ③ POLYUREA PM TYPE II - LINE 8" (SOLID WHITE)
- ④ POLYUREA PM TYPE II - LINE 8" (WHITE, SKIP-DASH 2'-6")
- ⑤ POLYUREA PM TYPE II - LINE 12" (SOLID YELLOW)
- ⑥ POLYUREA PM TYPE II - LINE 12" (SOLID WHITE)
- ⑦ POLYUREA PM TYPE II - LINE 24" (SOLID WHITE)
- ⑧ PREFORMED PLASTIC PM TY D - LINE, SPECIAL 5" WHITE 1-1/2" BLACK (10'-30' SKIP DASH)
- ⑨ PREFORMED PLASTIC PM TY D - LINE 6" (SOLID WHITE)
- ⑩ PREFORMED PLASTIC PM TY D - LINE 24" (SOLID WHITE)
- ⑪ PREFORMED PLASTIC PM TY D - LETTERS AND SYMBOLS
- ⑫ RAISED REFLECTIVE PAVEMENT MARKERS (TWO-WAY AMBER)
- ⑬ RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY CRYSTAL - ONE-WAY RED)
- ⑭ PRISMATIC CURB REFLECTOR
- ⑮ GROOVING FOR RECESSED PAVEMENT MARKING 5"
- ⑯ GROOVING FOR RECESSED PAVEMENT MARKING 7"
- ⑰ GROOVING FOR RECESSED PAVEMENT MARKING 9"
- ⑱ GROOVING FOR RECESSED PAVEMENT MARKING 13"
- ⑲ GROOVING FOR RECESSED PAVEMENT MARKING 25"
- ⑳ GROOVING FOR RECESSED PAVEMENT MARKING LETTERS AND SYMBOLS
- ㉑ FLEXIBLE DELINEATOR POST



NOTES:

1. ALL SIGNS TO BE INSTALLED WILL BE NEW AND SHALL HAVE SIGN SHEETING PER THE DEPARTMENT'S FABRICATION OF SIGN POLICY, WITH NEW SIGN SUPPORTS.
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3. A 12" X 12" BLOCK OUT WILL BE REQUIRED FOR ANY SIGNS LOCATED AT A CONCRETE MEDIAN SURFACE LOCATION.

MODEL: FILE NAME: C:\EIT\B051_2009005-000.DWG 15-3-38 GEOTECH (BRV) D3 PHASE 1 E. ILLINOIS CAD/CADD_Sheet13(586D26-ent-mpmk_dpw-02_IL71.dwg)

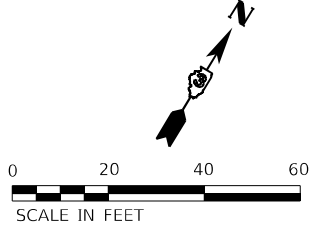
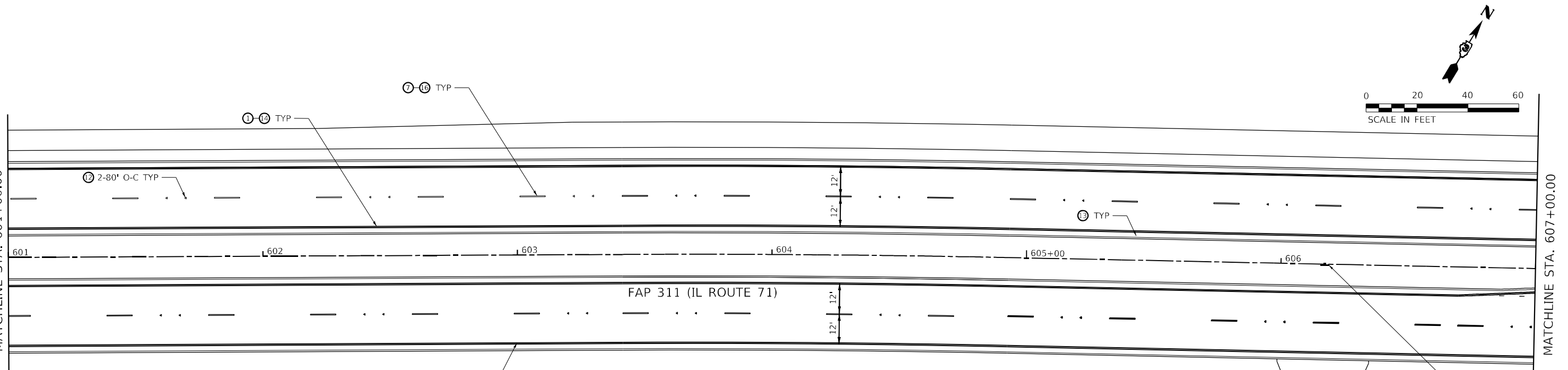
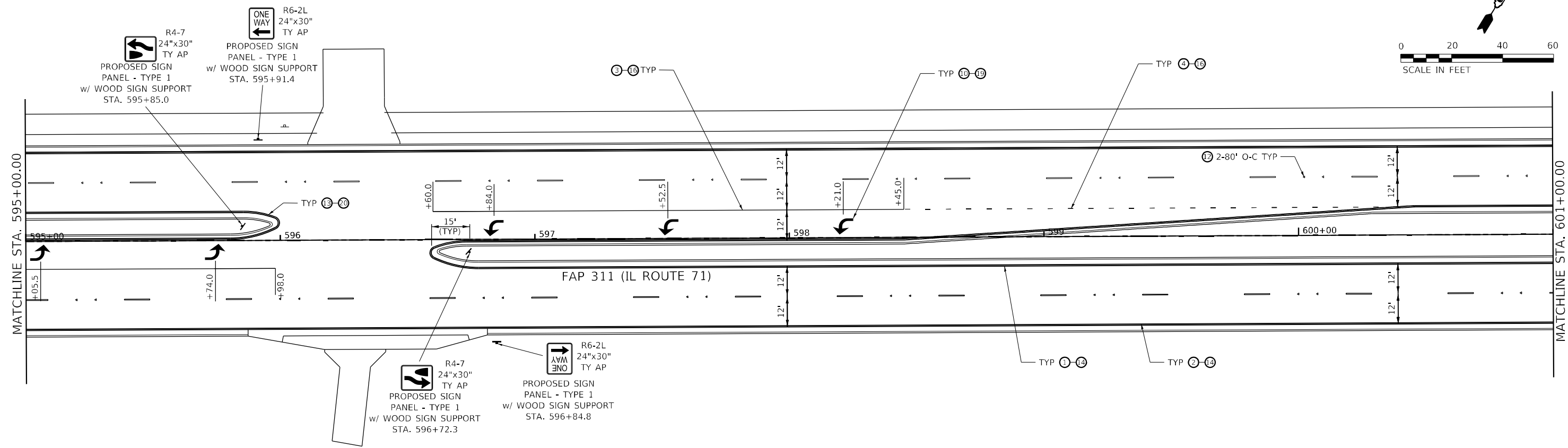
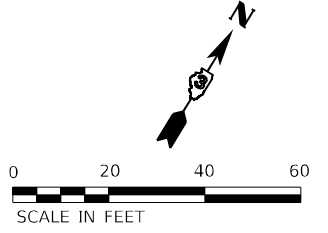


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PLOT SCALE = 40,0000 * / in.	DRAWN -	REVISED -
PLOT DATE = 11/30/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

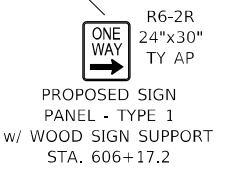
PAVEMENT MARKING AND SIGNING IL ROUTE 71			
SCALE: 1" = 20'	SHEET 2	OF 22 SHEETS	STA. 583+00.00 TO STA. 595+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1,1-1)R	KENDALL	847	621
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				



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- ⑲ GROOVING FOR RECESSED PAVEMENT MARKING 25"
- ⑳ GROOVING FOR RECESSED PAVEMENT MARKING LETTERS AND SYMBOLS
- ㉑ FLEXIBLE DELINEATOR POST



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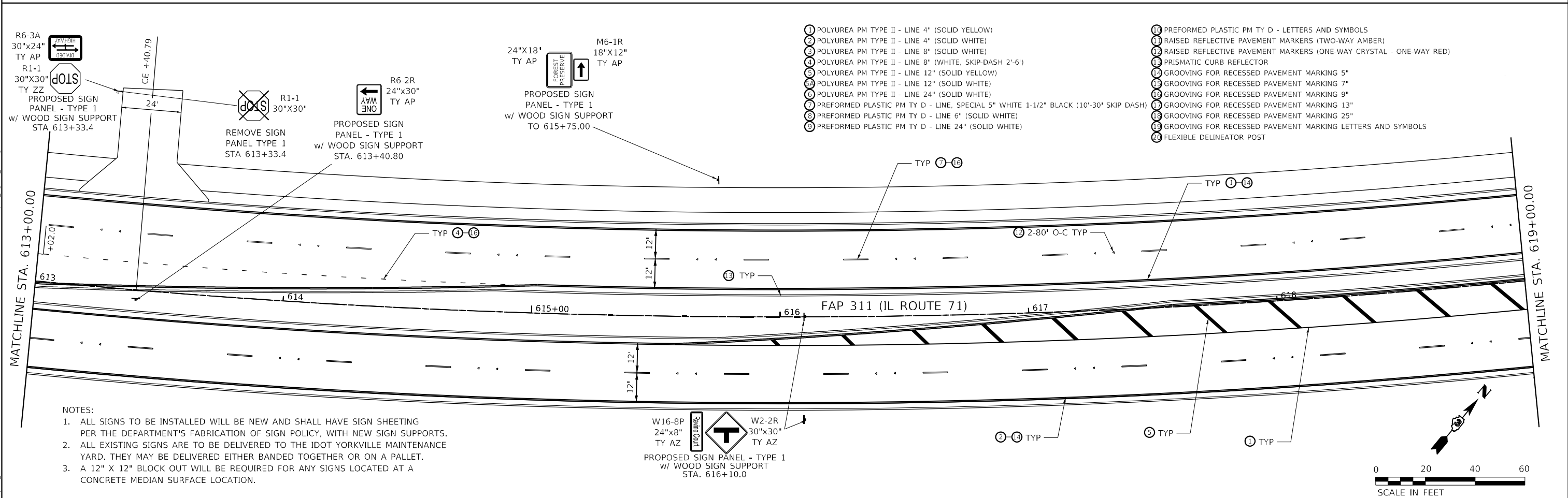
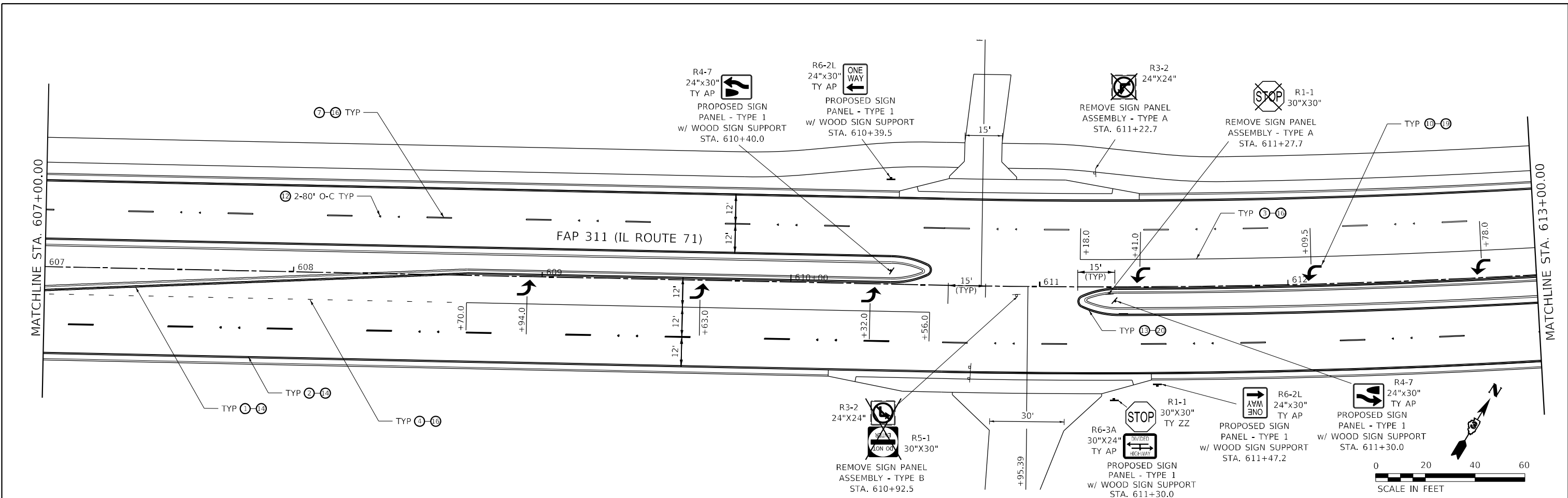


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PLOT SCALE = 40,0000 */ in.	DRAWN -	REVISED -
PLOT DATE = 11/30/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING			
IL ROUTE 71			
SCALE: 1" = 20'	SHEET 3	OF 22 SHEETS	STA. 595+00.00 TO STA. 607+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1,1-1)R	KENDALL	847	622
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				



- ① POLYUREA PM TYPE II - LINE 4" (SOLID YELLOW)
- ② POLYUREA PM TYPE II - LINE 4" (SOLID WHITE)
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- ⑳ FLEXIBLE DELINEATOR POST

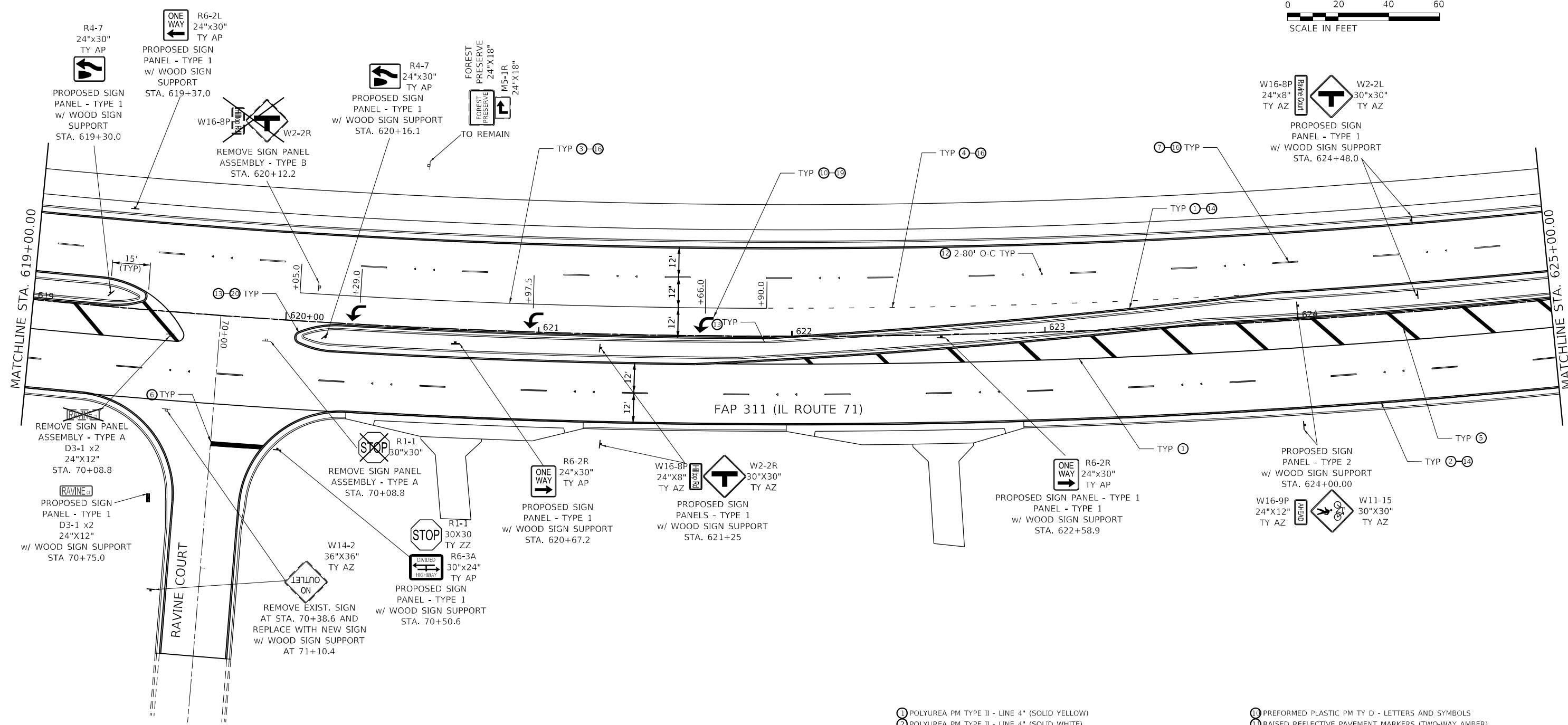
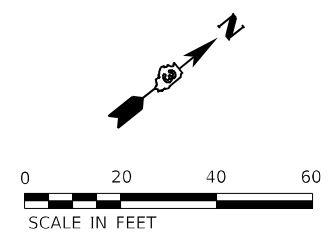
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MODEL FILE NAME: C:\EIT\051_2009005-000.DWG 15:33:38 GEOTECH (REV) D3 PHASE 1 E:\ILCAD\DCADD_Sheet\1366026-ent-prmk_dpw-04_IL71.dwg

 FUHRMANN ENGINEERING WWW.FUHRMANN-ENG.COM	USER NAME = untitled	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND SIGNING IL ROUTE 71			F.A.P. RTE. 311	SECTION (1,1-1)R	COUNTY KENDALL	TOTAL SHEETS 847	SHEET NO. 623
	PLOT SCALE = 40,0000 */ in.	CHECKED -	REVISED -		SCALE: 1" = 20'	SHEET 4	OF 22 SHEETS	STA. 607+00.00 TO STA. 618+00.00	CONTRACT NO. 66D26			
PLOT DATE = 11/30/2021	DATE -	REVISED -					ILLINOIS FED. AID PROJECT					



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- ⑳ FLEXIBLE DELINEATOR POST

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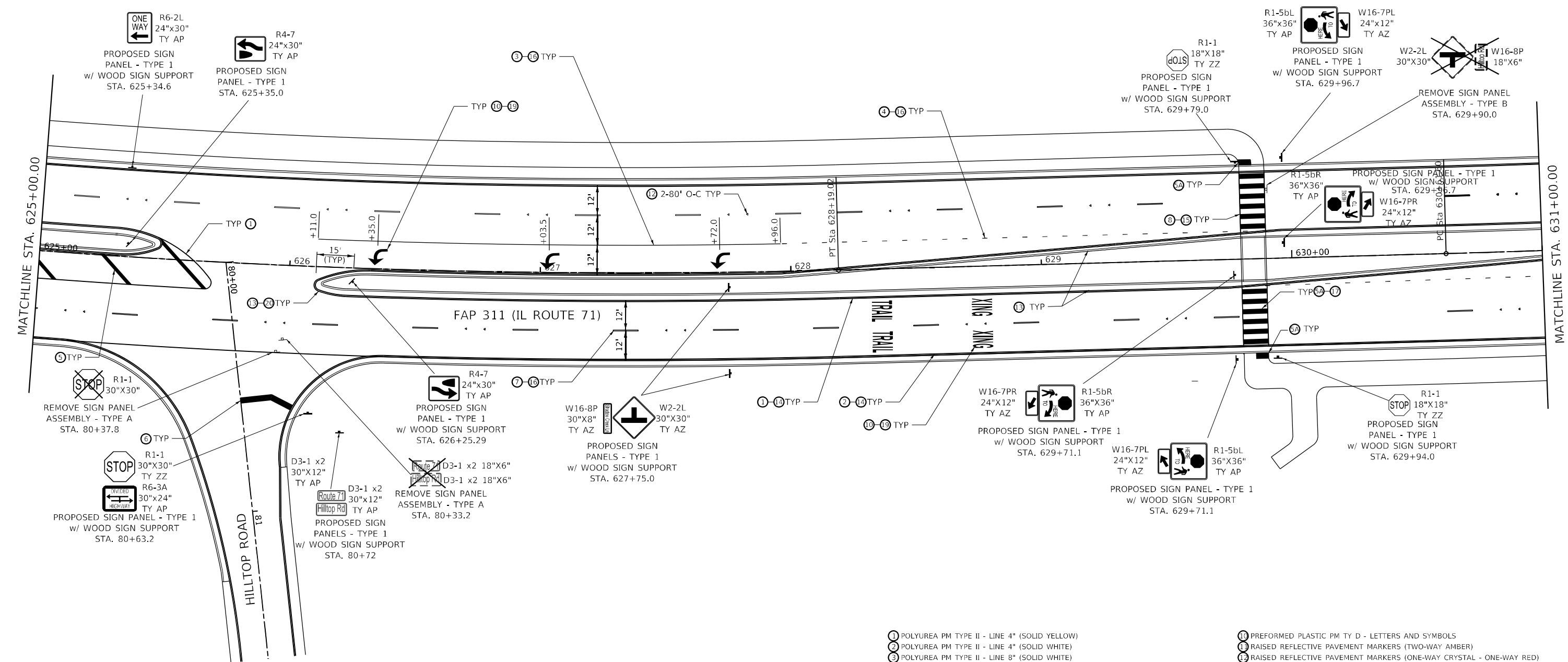
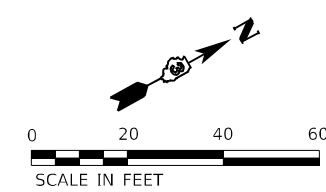


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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING			
IL ROUTE 71			
SCALE: 1" = 20'	SHEET 5	OF 22 SHEETS	STA. 618+00.00 TO STA. 625+00.00

F.A.P. RTE. 311	SECTION (1,1-1)R	COUNTY KENDALL	TOTAL SHEETS 847	SHEET NO. 624
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66D26	



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- ⑲ GROOVING FOR RECESSED PAVEMENT MARKING 25"
- ⑳ GROOVING FOR RECESSED PAVEMENT MARKING LETTERS AND SYMBOLS
- ㉑ FLEXIBLE DELINEATOR POST

MODEL: FILE NAME: C:\EIT\Bids\20090905-000.DTB_153-38_GEO TECH (REV) D3 PHASE 1 & ILLCADD\CADD_Sheets\15366026-int-mpmk_dpr-06_IL71.dgn
 WWW.FUHRMANN-ENG.COM



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	DATE -	REVISED -

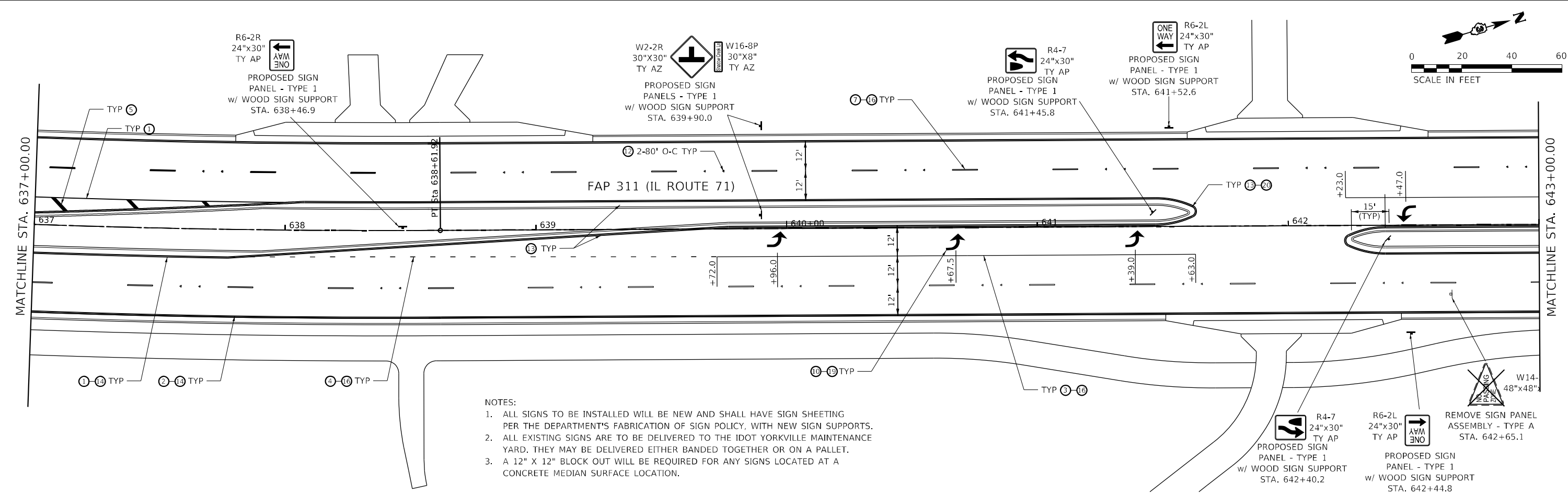
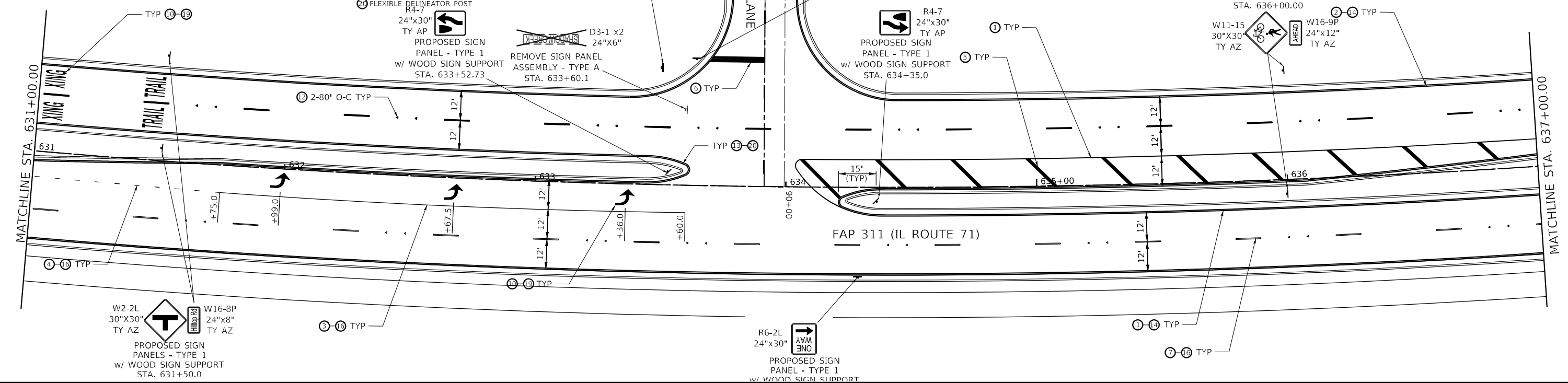
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING			
IL ROUTE 71			
SCALE: 1" = 20'	SHEET 6	OF 22 SHEETS	STA. 625+00.00 TO STA. 631+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1,1-1)R	KENDALL	847	625
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				

- 1 POLYUREA PM TYPE II - LINE 4" (SOLID YELLOW)
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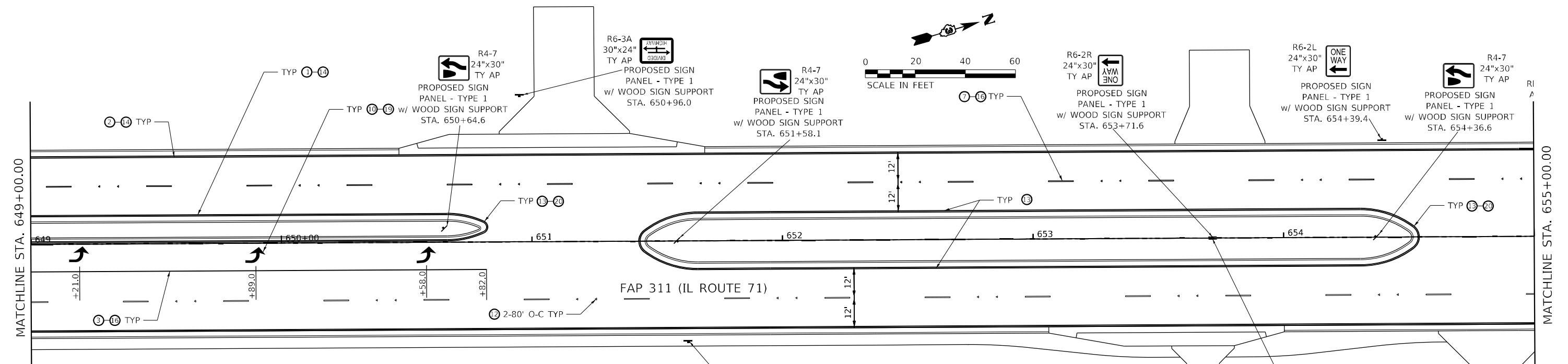
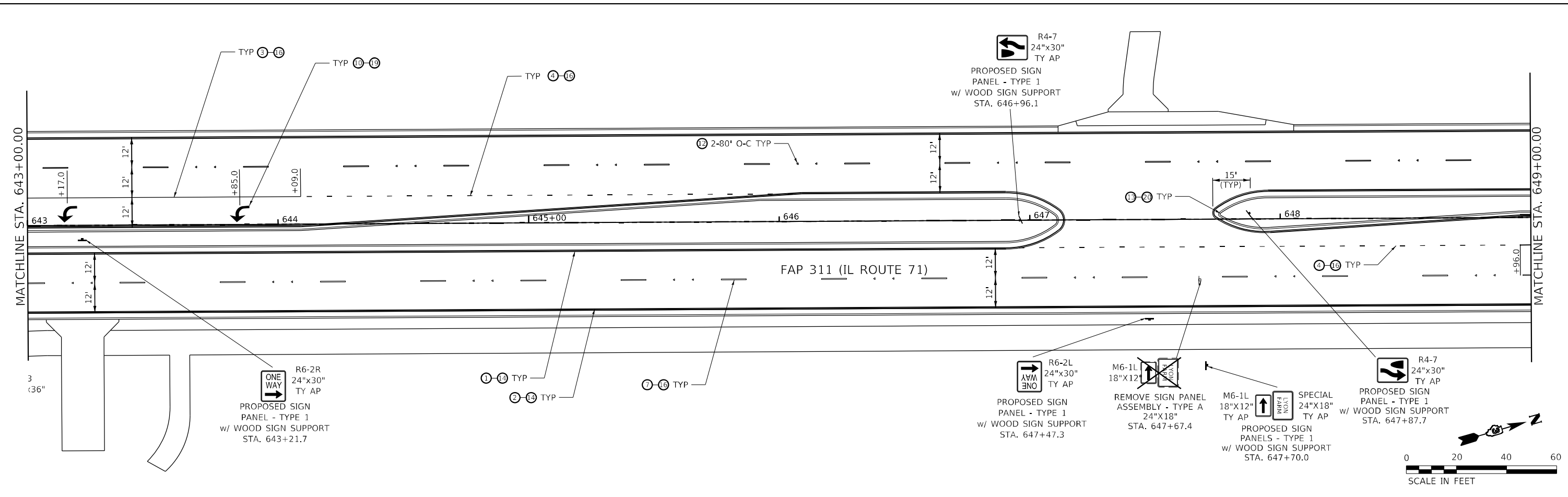
- 11 PREFORMED PLASTIC PM TY D - LETTERS AND SYMBOLS
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- 17 GROOVING FOR RECESSED PAVEMENT MARKING 9"
- 18 GROOVING FOR RECESSED PAVEMENT MARKING 13"
- 19 GROOVING FOR RECESSED PAVEMENT MARKING 25"
- 20 GROOVING FOR RECESSED PAVEMENT MARKING LETTERS AND SYMBOLS
- 21 FLEXIBLE DELINEATOR POST R4-7



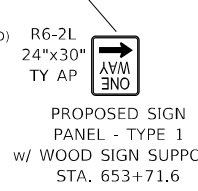
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	DATE -	REVISED -

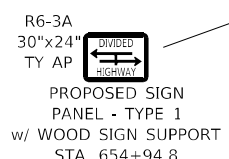
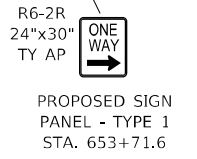
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1,1-1)R	KENDALL	847	626
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				



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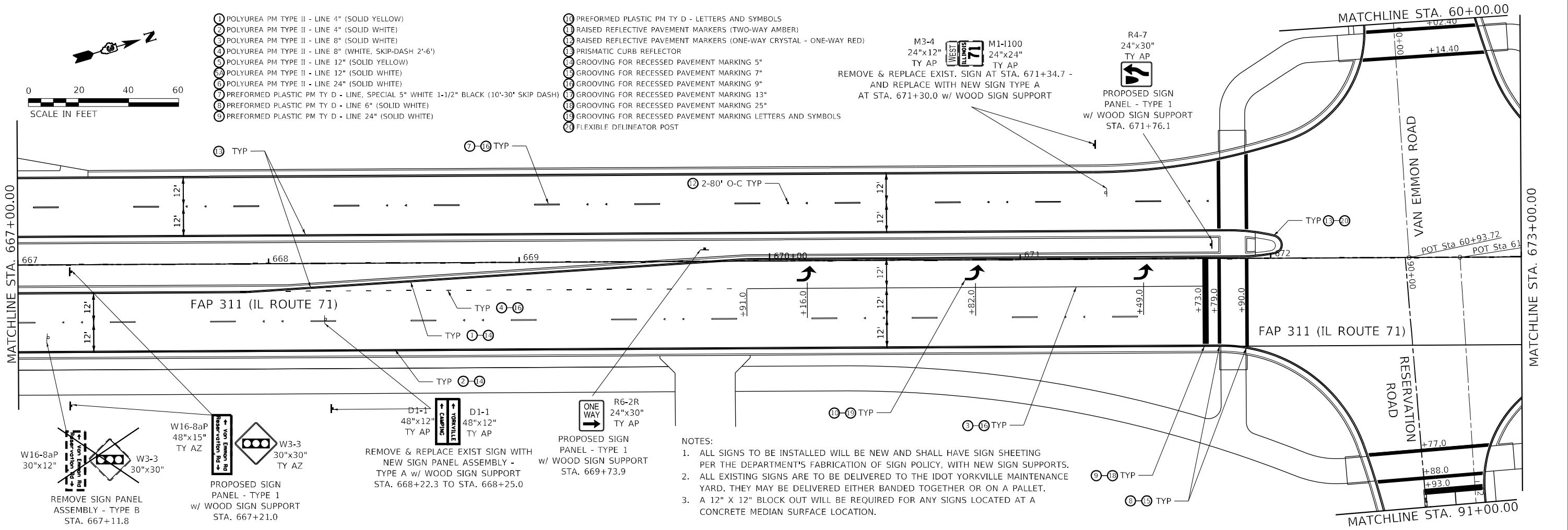
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PLOT SCALE = 40,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 11/30/2021	CHECKED -	REVISED -
	DATE -	REVISED -

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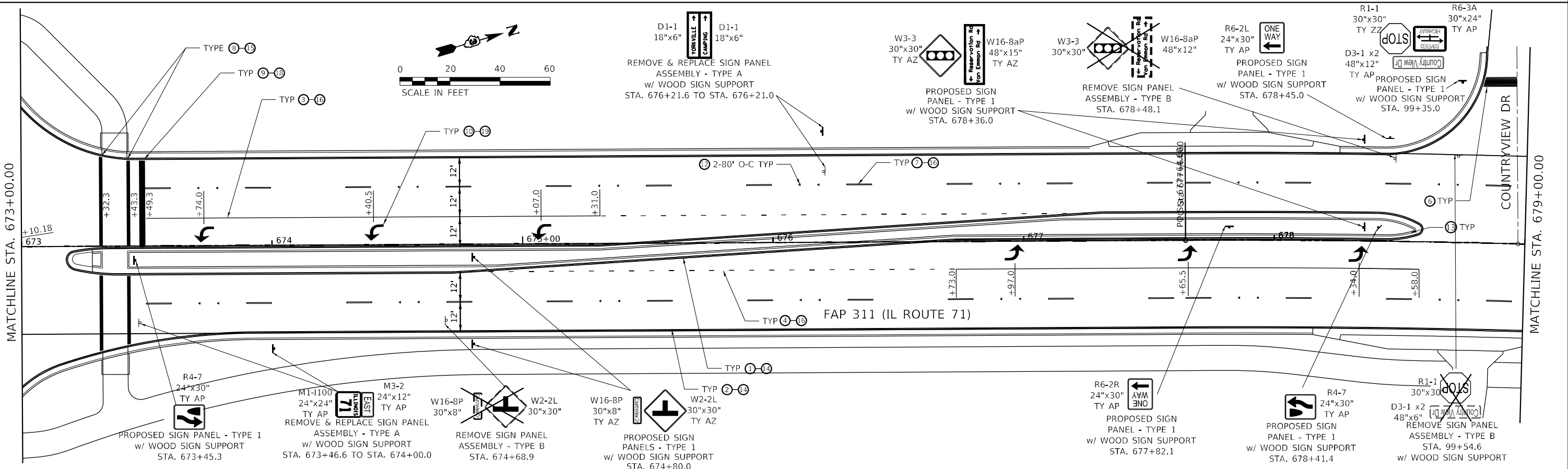
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- 20 FLEXIBLE DELINEATOR POST

M3-4
24"x12"
TY AP
WEST
71
M1-100
24"x24"
TY AP
REMOVE & REPLACE EXIST. SIGN AT STA. 671+34.7 - AND REPLACE WITH NEW SIGN TYPE A AT STA. 671+30.0 w/ WOOD SIGN SUPPORT

R4-7
24"x30"
TY AP
PROPOSED SIGN PANEL - TYPE 1 w/ WOOD SIGN SUPPORT STA. 671+76.1



- NOTES:
1. ALL SIGNS TO BE INSTALLED WILL BE NEW AND SHALL HAVE SIGN SHEETING PER THE DEPARTMENT'S FABRICATION OF SIGN POLICY, WITH NEW SIGN SUPPORTS.
 2. ALL EXISTING SIGNS ARE TO BE DELIVERED TO THE IDOT YORKVILLE MAINTENANCE YARD. THEY MAY BE DELIVERED EITHER BANDED TOGETHER OR ON A PALLET.
 3. A 12" X 12" BLOCK OUT WILL BE REQUIRED FOR ANY SIGNS LOCATED AT A CONCRETE MEDIAN SURFACE LOCATION.



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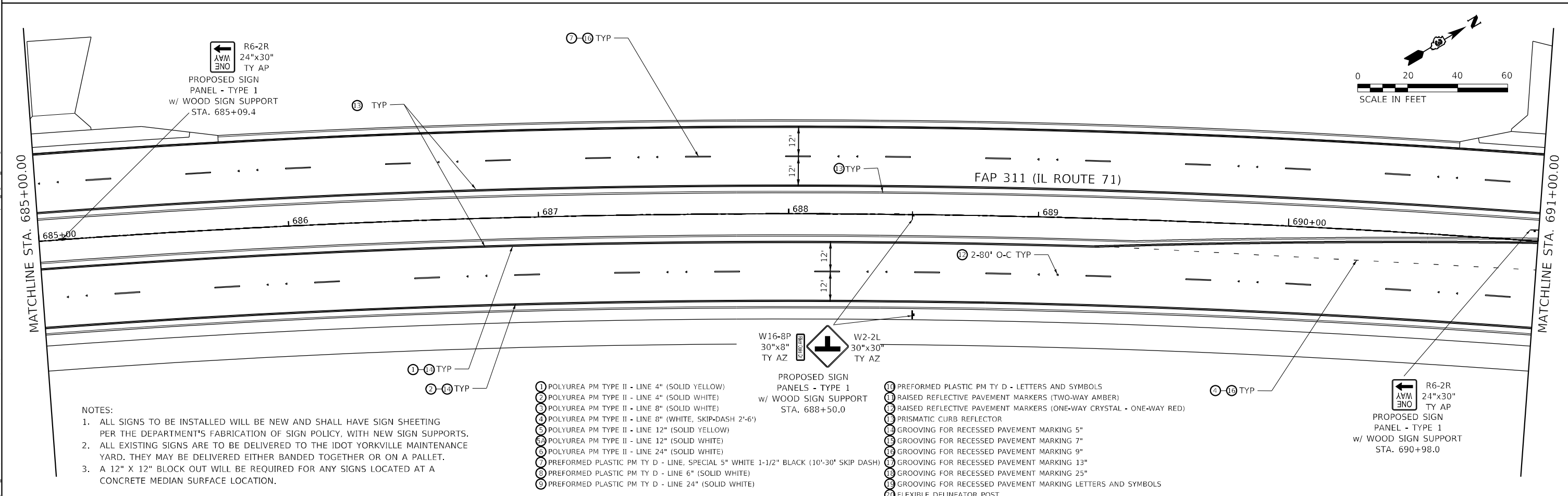
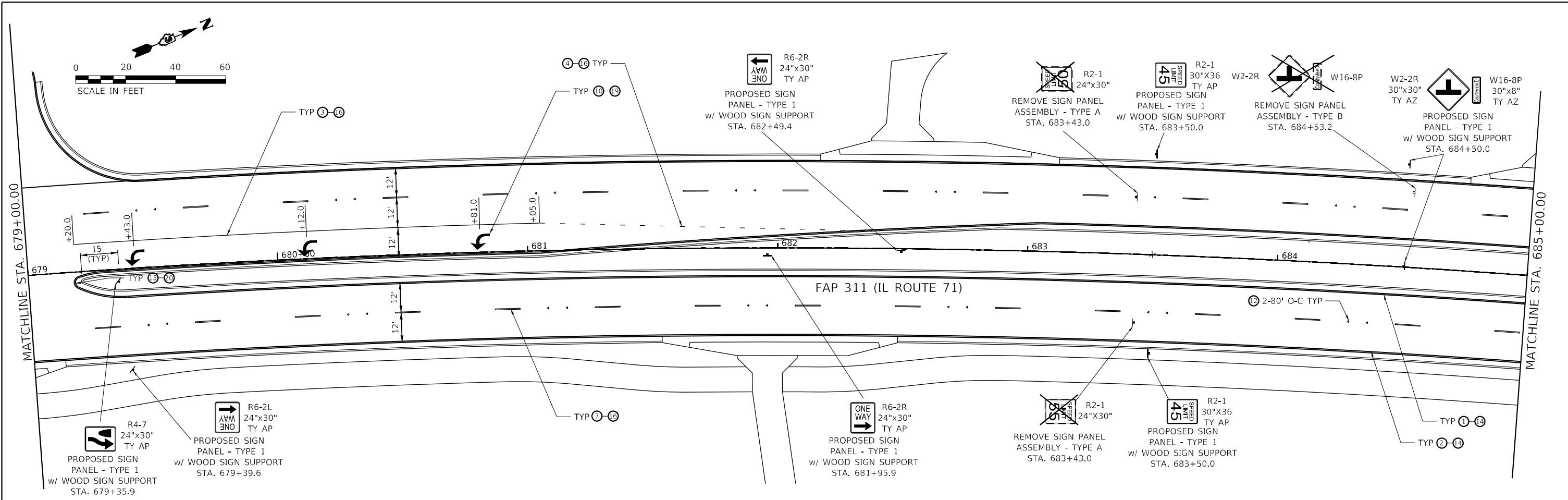


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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING			
IL ROUTE 71			
SCALE: 1" = 20'	SHEET 10	OF 22 SHEETS	STA. 667+00.00 TO STA. 679+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1.1-1)R	KENDALL	847	629
CONTRACT NO. 66D26			ILLINOIS FED. AID PROJECT	



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- ① POLYUREA PM TYPE II - LINE 4" (SOLID YELLOW)
- ② POLYUREA PM TYPE II - LINE 4" (SOLID WHITE)
- ③ POLYUREA PM TYPE II - LINE 8" (SOLID WHITE)
- ④ POLYUREA PM TYPE II - LINE 8" (WHITE, SKIP-DASH 2'-6")
- ⑤ POLYUREA PM TYPE II - LINE 12" (SOLID YELLOW)
- ⑥ POLYUREA PM TYPE II - LINE 12" (SOLID WHITE)
- ⑦ POLYUREA PM TYPE II - LINE 24" (SOLID WHITE)
- ⑧ PREFORMED PLASTIC PM TY D - LINE, SPECIAL 5" WHITE 1-1/2" BLACK (10'-30' SKIP DASH)
- ⑨ PREFORMED PLASTIC PM TY D - LINE 6" (SOLID WHITE)
- ⑩ PREFORMED PLASTIC PM TY D - LINE 24" (SOLID WHITE)
- ⑪ PREFORMED PLASTIC PM TY D - LETTERS AND SYMBOLS
- ⑫ RAISED REFLECTIVE PAVEMENT MARKERS (TWO-WAY AMBER)
- ⑬ RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY CRYSTAL - ONE-WAY RED)
- ⑭ PRISMATIC CURB REFLECTOR
- ⑮ GROOVING FOR RECESSED PAVEMENT MARKING 5"
- ⑯ GROOVING FOR RECESSED PAVEMENT MARKING 7"
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- ⑱ GROOVING FOR RECESSED PAVEMENT MARKING 13"
- ⑲ GROOVING FOR RECESSED PAVEMENT MARKING 25"
- ⑳ FLEXIBLE DELINEATOR POST

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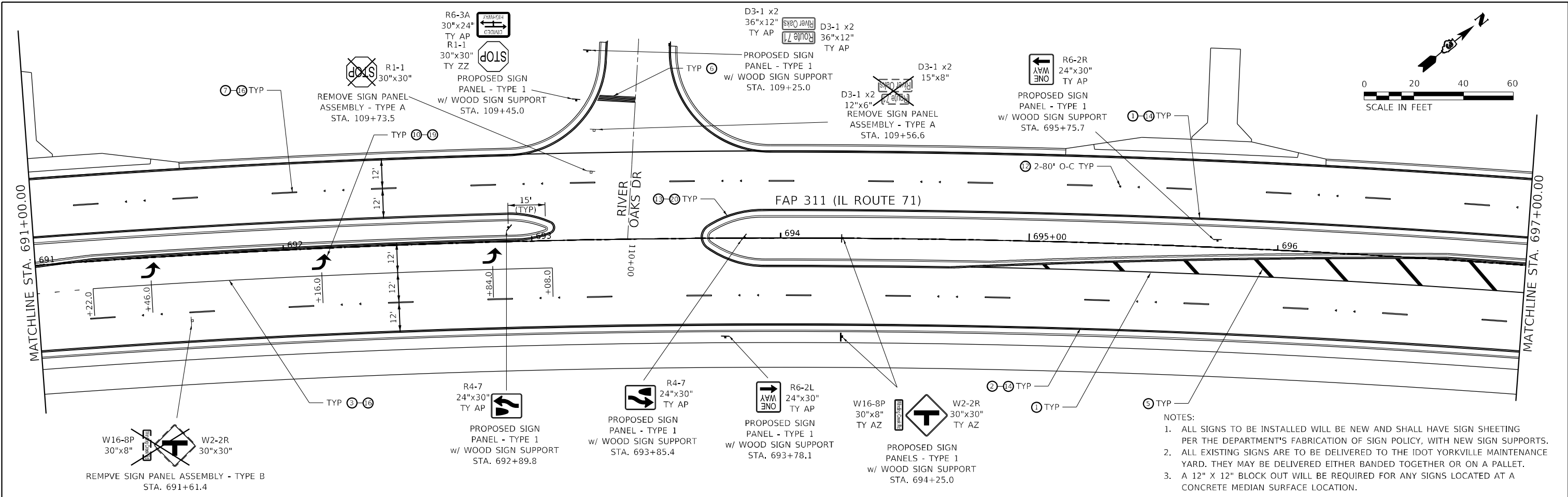


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	DATE -	REVISED -

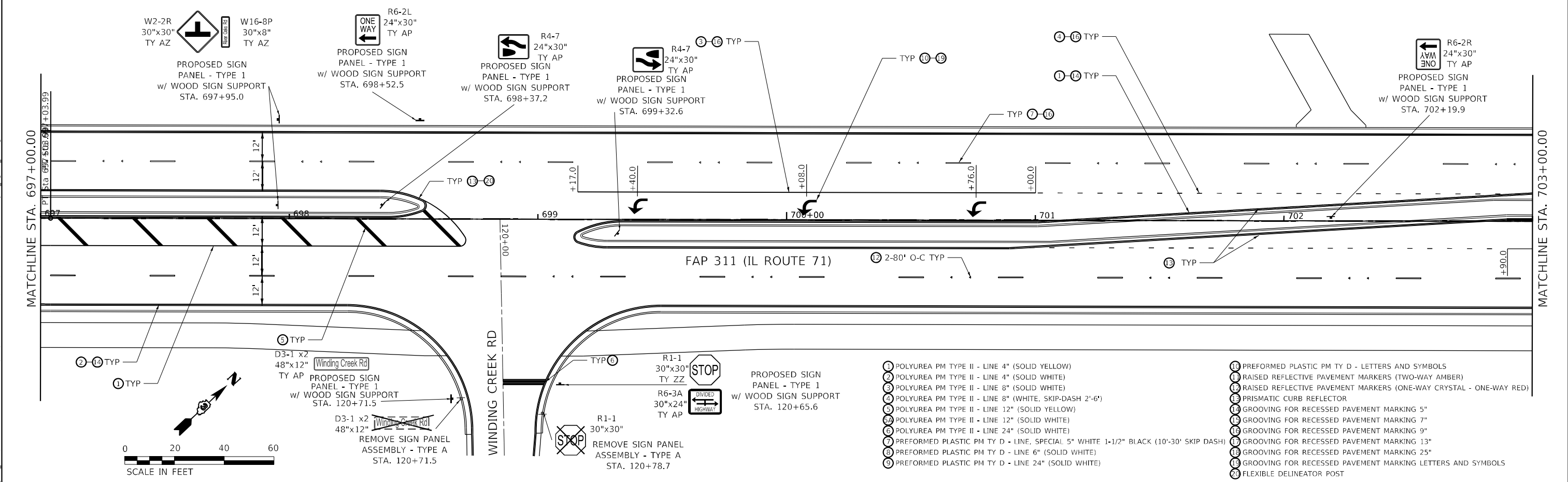
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING			
IL ROUTE 71			
SCALE: 1" = 20'	SHEET 11	OF 22 SHEETS	STA. 679+00.00 TO STA. 691+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1,1-1)R	KENDALL	847	630
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				



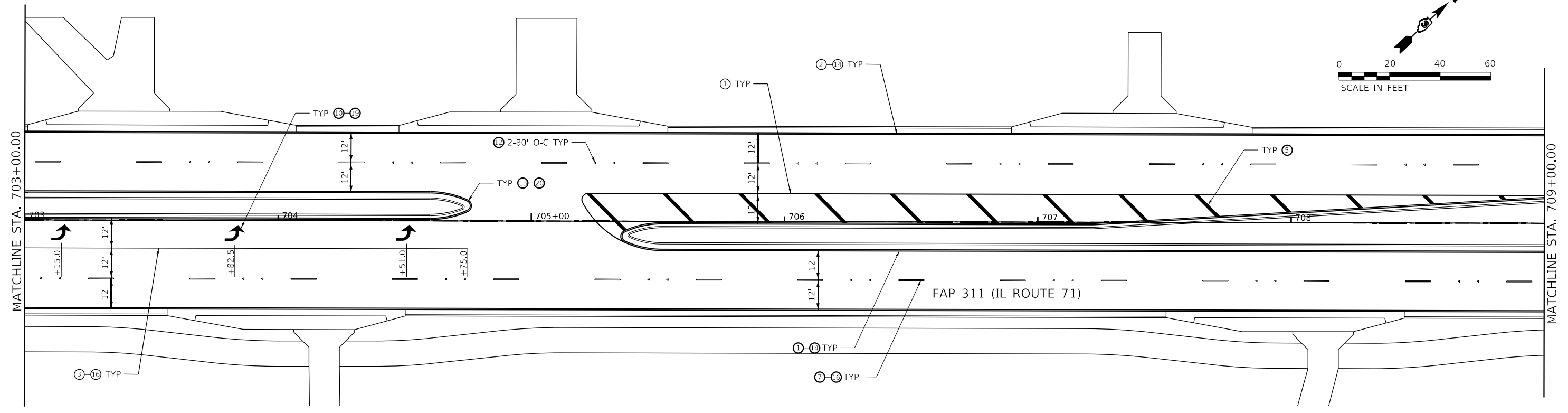
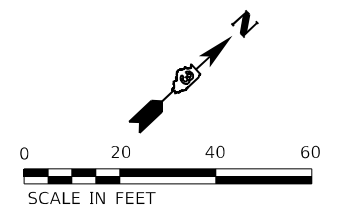
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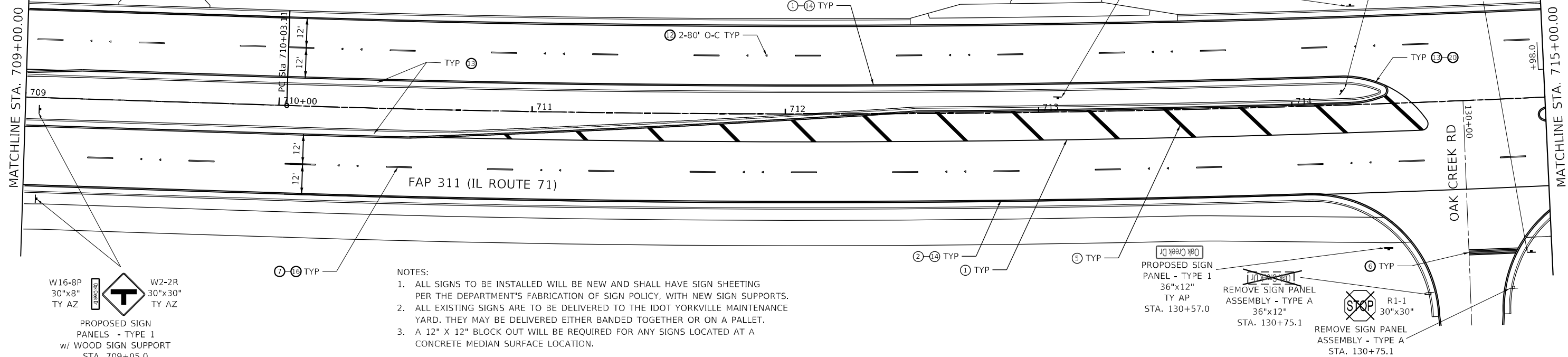
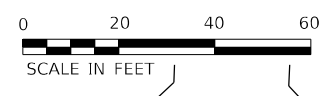
- 1 POLYUREA PM TYPE II - LINE 4" (SOLID YELLOW)
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- 11 PREFORMED PLASTIC PM TY D - LETTERS AND SYMBOLS
- 12 RAISED REFLECTIVE PAVEMENT MARKERS (TWO-WAY AMBER)
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- 15 GROOVING FOR RECESSED PAVEMENT MARKING 5"
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- 17 GROOVING FOR RECESSED PAVEMENT MARKING 9"
- 18 GROOVING FOR RECESSED PAVEMENT MARKING 13"
- 19 GROOVING FOR RECESSED PAVEMENT MARKING 25"
- 20 GROOVING FOR RECESSED PAVEMENT MARKING LETTERS AND SYMBOLS
- 21 FLEXIBLE DELINEATOR POST

 FUHRMANN ENGINEERING WWW.FUHRMANN-ENG.COM	USER NAME = untitled PLOT SCALE = 40,0000 */ in. PLOT DATE = 11/30/2021	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND SIGNING IL ROUTE 71	F.A.P. RTE. 311 SECTION (1,1-1)R COUNTY KENDALL TOTAL SHEETS 847 SHEET NO. 631 CONTRACT NO. 66D26	SCALE: 1" = 20' SHEET 12 OF 22 SHEETS STA. 691+00.00 TO STA. 703+00.00 ILLINOIS FED. AID PROJECT
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- ① POLYUREA PM TYPE II - LINE 4" (SOLID YELLOW)
- ② POLYUREA PM TYPE II - LINE 4" (SOLID WHITE)
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W16-8P
30"x8"
TY AZ

W2-2R
30"x30"
TY AZ

PROPOSED SIGN PANELS - TYPE 1 w/ WOOD SIGN SUPPORT STA. 709+05.0

PROPOSED SIGN PANEL - TYPE 1 36"x12" TY AP STA. 130+57.0

REMOVE SIGN PANEL ASSEMBLY - TYPE A 36"x12" STA. 130+75.1

R1-1 30"x30" TY ZZ

REMOVE SIGN PANEL ASSEMBLY - TYPE A 30"x30" STA. 130+75.1



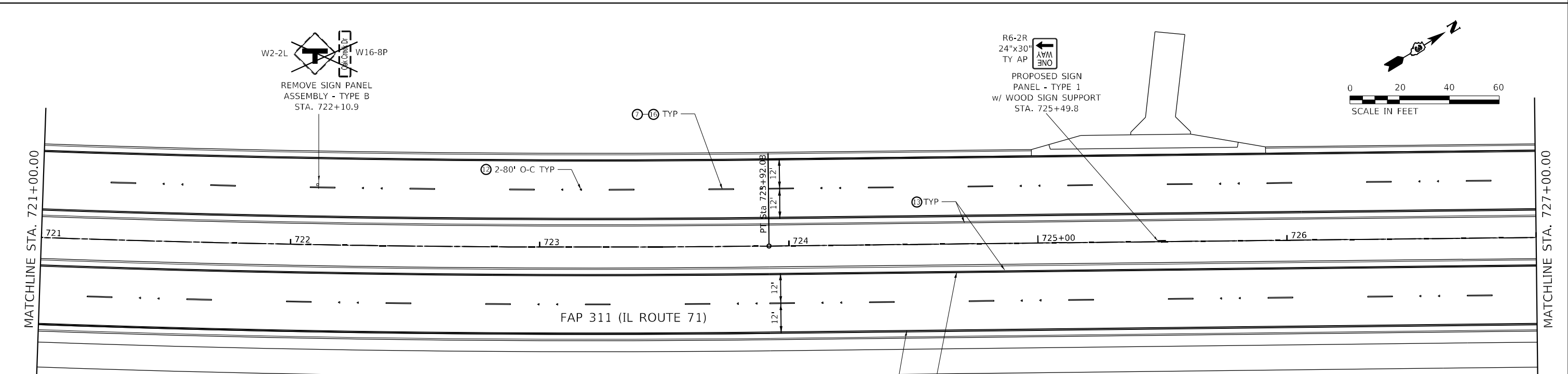
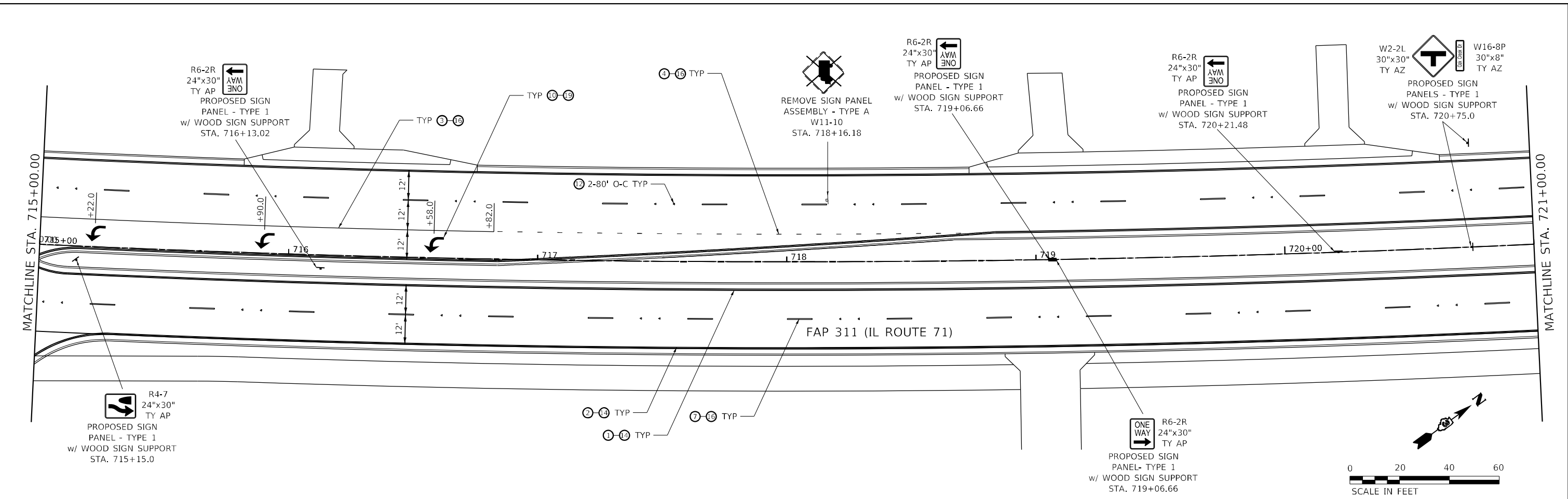
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING IL ROUTE 71			
SCALE: 1" = 20'	SHEET 13	OF 22 SHEETS	STA. 703+00.00 TO STA. 715+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1.1-1)R	KENDALL	847	632
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				

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- | | |
|---|--|
| <ul style="list-style-type: none"> ① POLYUREA PM TYPE II - LINE 4" (SOLID YELLOW) ② POLYUREA PM TYPE II - LINE 4" (SOLID WHITE) ③ POLYUREA PM TYPE II - LINE 8" (SOLID WHITE) ④ POLYUREA PM TYPE II - LINE 8" (WHITE, SKIP-DASH 2'-6") ⑤ POLYUREA PM TYPE II - LINE 12" (SOLID YELLOW) ⑥ POLYUREA PM TYPE II - LINE 12" (SOLID WHITE) ⑦ POLYUREA PM TYPE II - LINE 24" (SOLID WHITE) ⑧ PREFORMED PLASTIC PM TY D - LINE, SPECIAL 5" WHITE 1-1/2" BLACK (10'-30' SKIP DASH) ⑨ PREFORMED PLASTIC PM TY D - LINE 6" (SOLID WHITE) ⑩ PREFORMED PLASTIC PM TY D - LINE 24" (SOLID WHITE) | <ul style="list-style-type: none"> ⑪ PREFORMED PLASTIC PM TY D - LETTERS AND SYMBOLS ⑫ RAISED REFLECTIVE PAVEMENT MARKERS (TWO-WAY AMBER) ⑬ RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY CRYSTAL - ONE-WAY RED) ⑭ PRISMATIC CURB REFLECTOR ⑮ GROOVING FOR RECESSED PAVEMENT MARKING 5" ⑯ GROOVING FOR RECESSED PAVEMENT MARKING 7" ⑰ GROOVING FOR RECESSED PAVEMENT MARKING 9" ⑱ GROOVING FOR RECESSED PAVEMENT MARKING 13" ⑲ GROOVING FOR RECESSED PAVEMENT MARKING 25" ⑳ GROOVING FOR RECESSED PAVEMENT MARKING LETTERS AND SYMBOLS ㉑ FLEXIBLE DELINEATOR POST |
|---|--|

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	DATE -	REVISED -

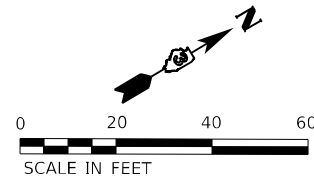
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING			
IL ROUTE 71			
SCALE: 1" = 20'	SHEET 14	OF 22 SHEETS	STA. 715+00.00 TO STA. 727+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1,1-1)R	KENDALL	847	633
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				

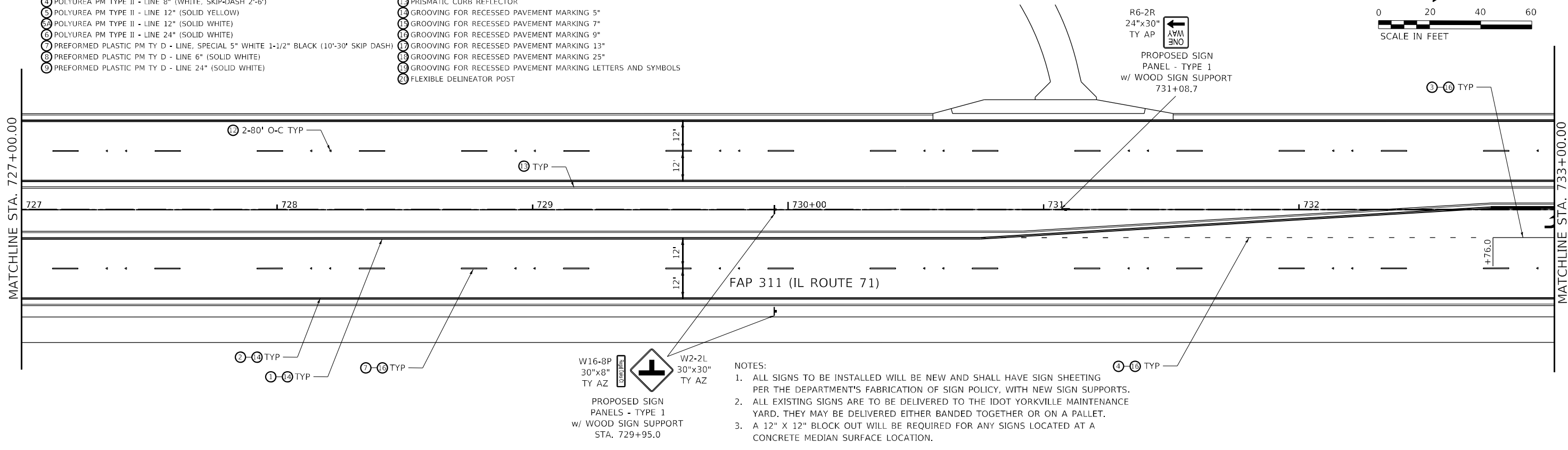
- 1 POLYUREA PM TYPE II - LINE 4" (SOLID YELLOW)
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- 21 FLEXIBLE DELINEATOR POST



MATCHLINE STA. 727+00.00

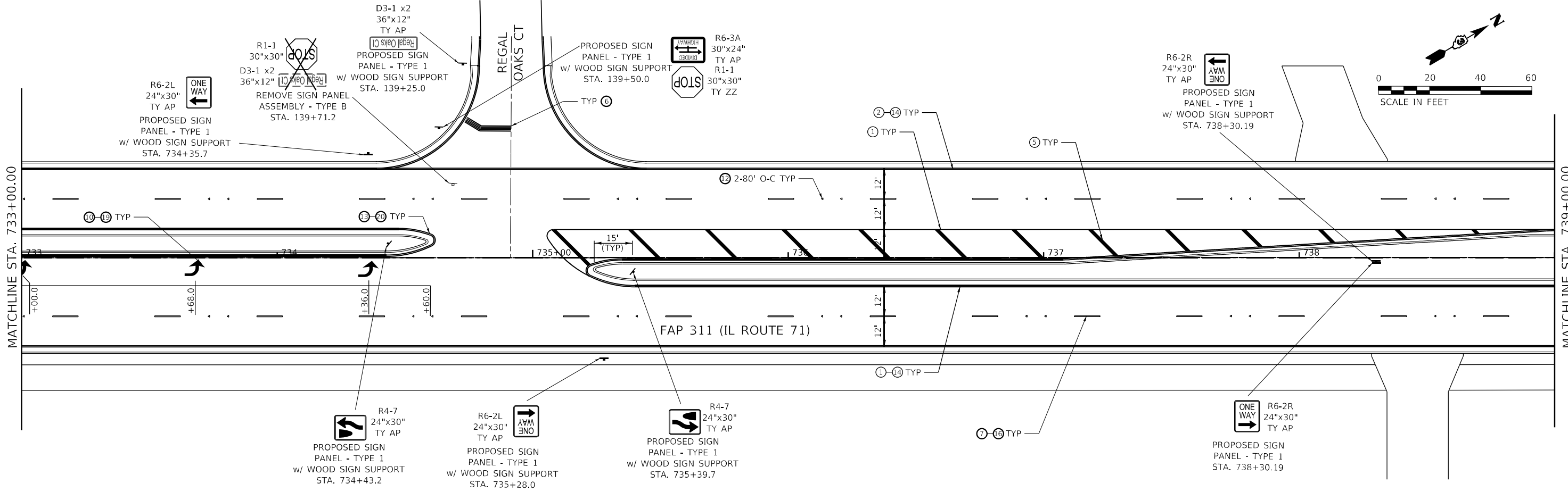
MATCHLINE STA. 733+00.00



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MATCHLINE STA. 733+00.00

MATCHLINE STA. 739+00.00



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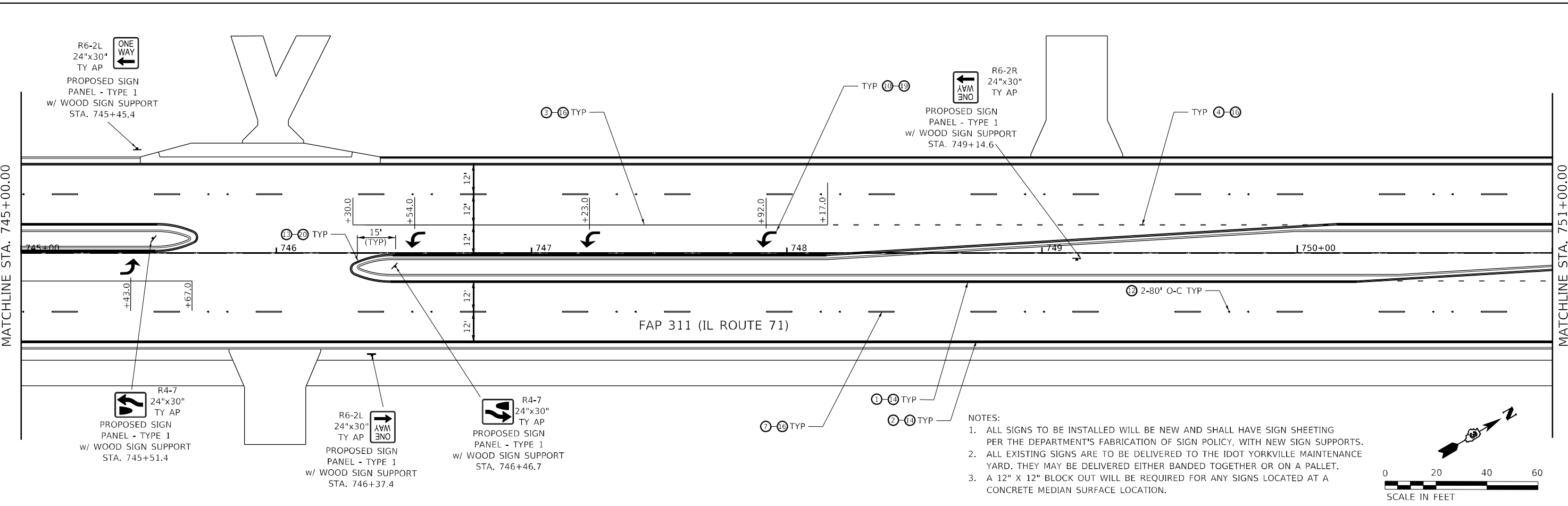
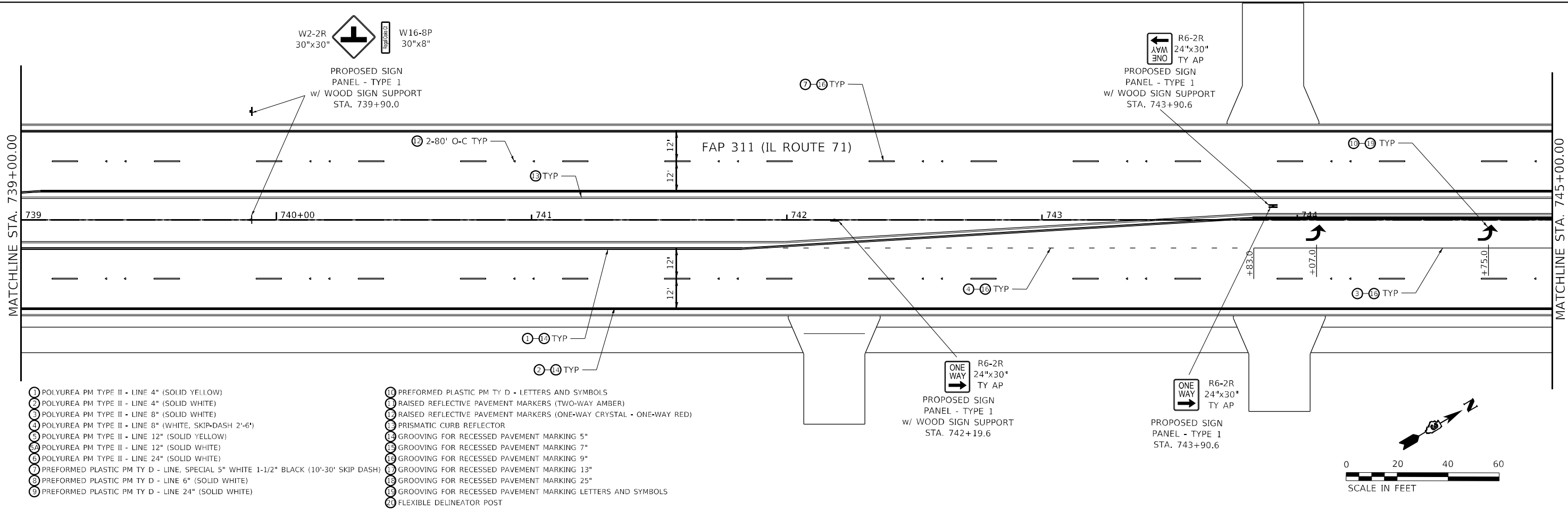
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WWW.FUHRMANN-ENG.COM

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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING		
IL ROUTE 71		
SCALE: 1" = 20'	SHEET 15	OF 22 SHEETS
	STA. 727+00.00	TO STA. 739+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1,1-1)R	KENDALL	847	634
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				



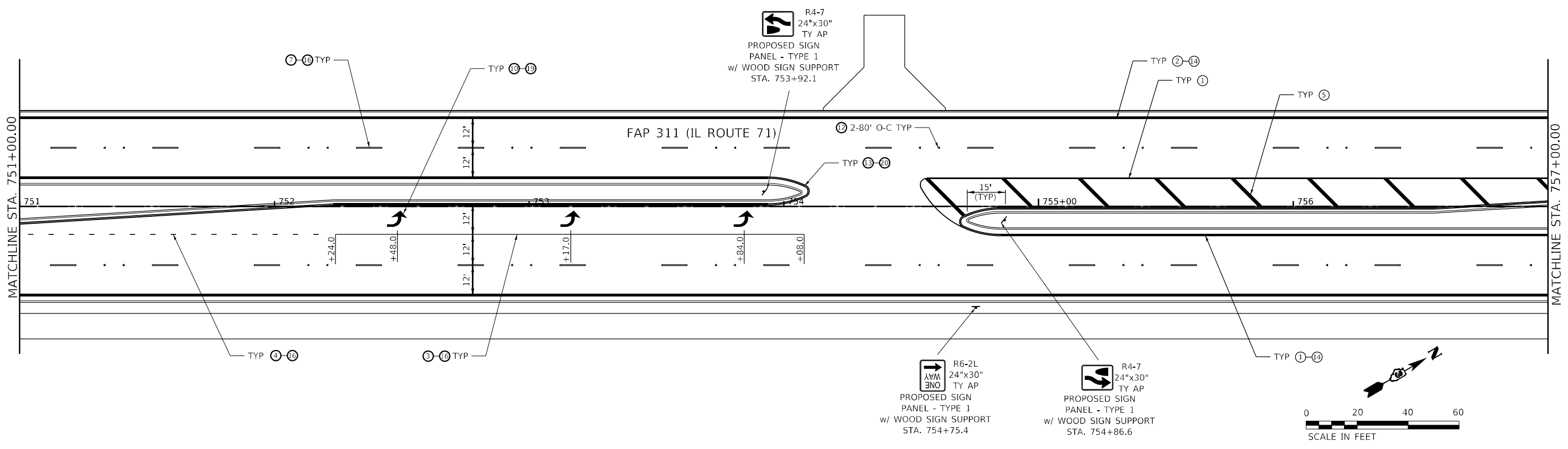
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PLOT DATE = 11/30/2021	CHECKED -	REVISED -
	DATE -	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1,1-1)R	KENDALL	847	635
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				

MATCHLINE STA. 751+00.00

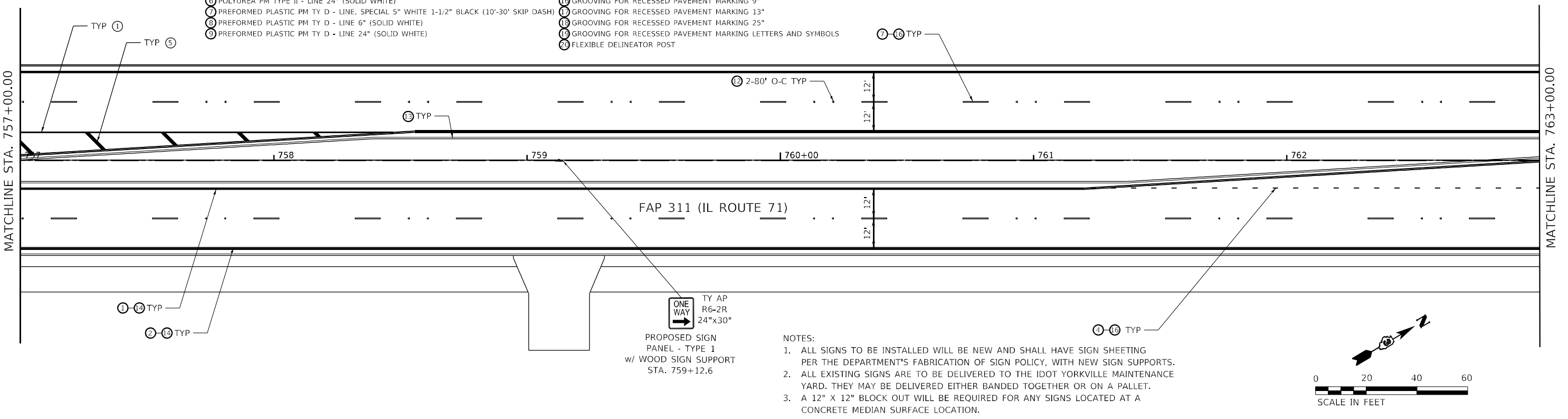
MATCHLINE STA. 757+00.00



- ① POLYUREA PM TYPE II - LINE 4" (SOLID YELLOW)
- ② POLYUREA PM TYPE II - LINE 4" (SOLID WHITE)
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- ⑲ GROOVING FOR RECESSED PAVEMENT MARKING 25"
- ⑳ GROOVING FOR RECESSED PAVEMENT MARKING LETTERS AND SYMBOLS
- ㉑ FLEXIBLE DELINEATOR POST

MATCHLINE STA. 757+00.00

MATCHLINE STA. 763+00.00



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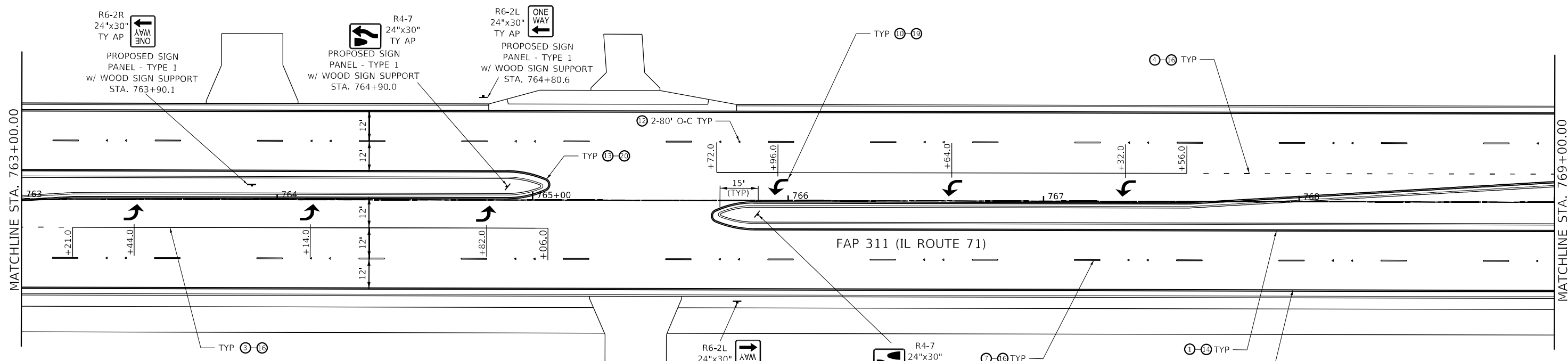


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	DATE -	REVISED -

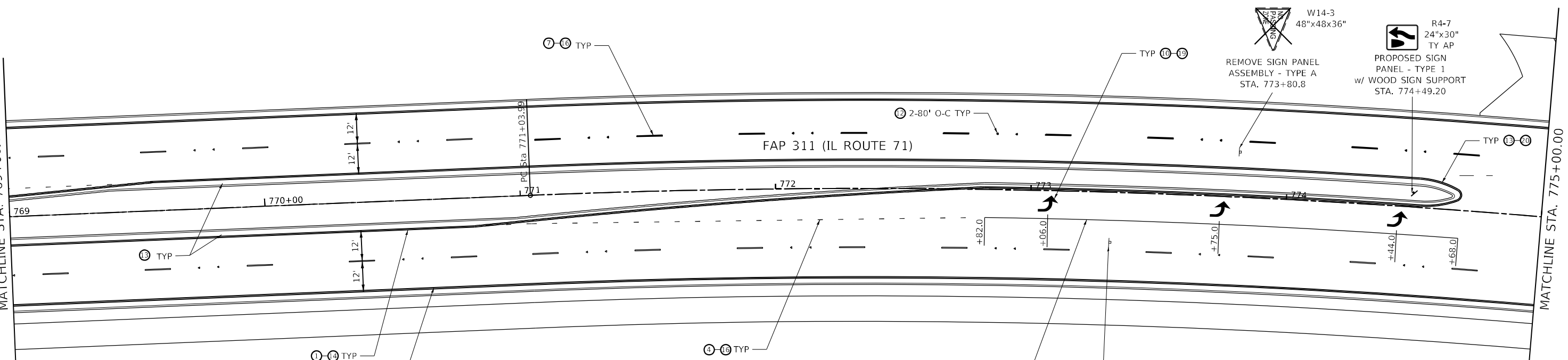
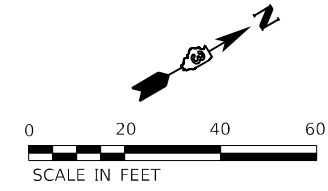
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING			
IL ROUTE 71			
SCALE: 1" = 20'	SHEET 17	OF 22 SHEETS	STA. 751+00.00 TO STA. 763+00.00

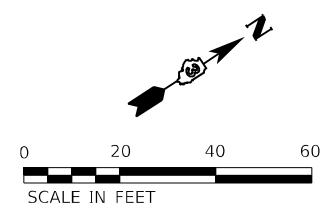
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1,1-1)R	KENDALL	847	636
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				



- NOTES:
1. ALL SIGNS TO BE INSTALLED WILL BE NEW AND SHALL HAVE SIGN SHEETING PER THE DEPARTMENT'S FABRICATION OF SIGN POLICY, WITH NEW SIGN SUPPORTS.
 2. ALL EXISTING SIGNS ARE TO BE DELIVERED TO THE IDOT YORKVILLE MAINTENANCE YARD. THEY MAY BE DELIVERED EITHER BANDED TOGETHER OR ON A PALLET.
 3. A 12" X 12" BLOCK OUT WILL BE REQUIRED FOR ANY SIGNS LOCATED AT A CONCRETE MEDIAN SURFACE LOCATION.



- 1 POLYUREA PM TYPE II - LINE 4" (SOLID YELLOW)
- 2 POLYUREA PM TYPE II - LINE 4" (SOLID WHITE)
- 3 POLYUREA PM TYPE II - LINE 8" (SOLID WHITE)
- 4 POLYUREA PM TYPE II - LINE 8" (WHITE, SKIP-DASH 2'-6")
- 5 POLYUREA PM TYPE II - LINE 12" (SOLID YELLOW)
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- 12 RAISED REFLECTIVE PAVEMENT MARKERS (TWO-WAY AMBER)
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- 19 GROOVING FOR RECESSED PAVEMENT MARKING 25"
- 20 GROOVING FOR RECESSED PAVEMENT MARKING LETTERS AND SYMBOLS
- 21 FLEXIBLE DELINEATOR POST



MODEL: C:\Users\jg\OneDrive\Documents\20090905-100.DWG; FILE NAME: C:\Users\jg\OneDrive\Documents\20090905-100.DWG; PHASE: 1 & 2; I:\CADD\CADD_Sheets\1366026-ent-prmk_dpr-18_IL71.dwg

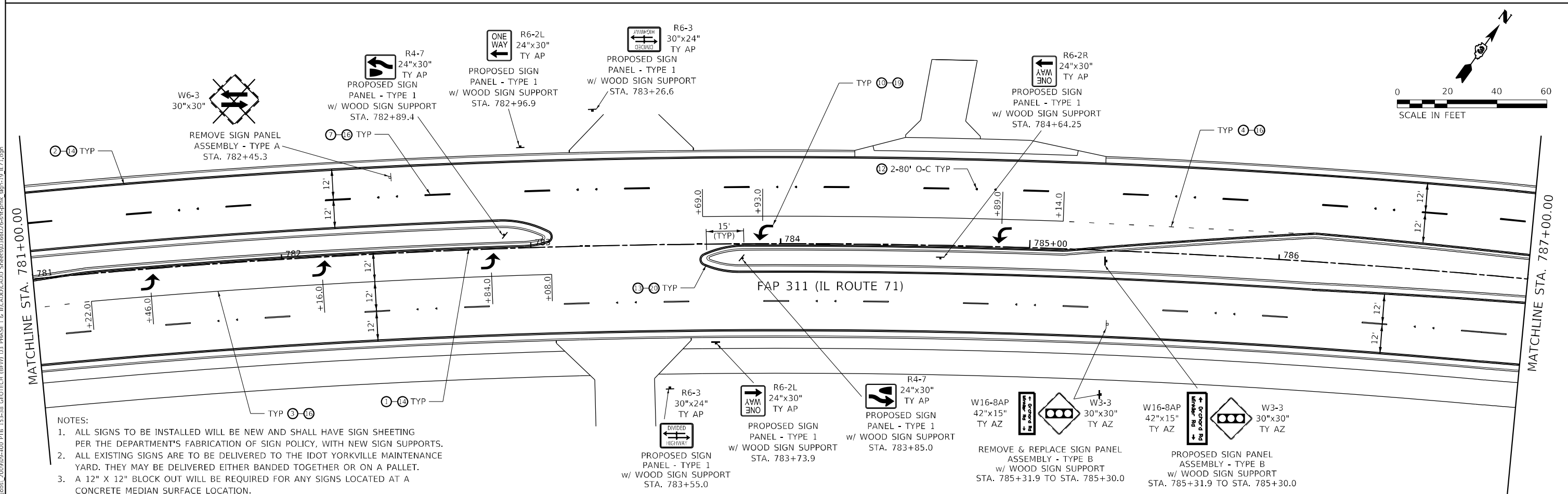
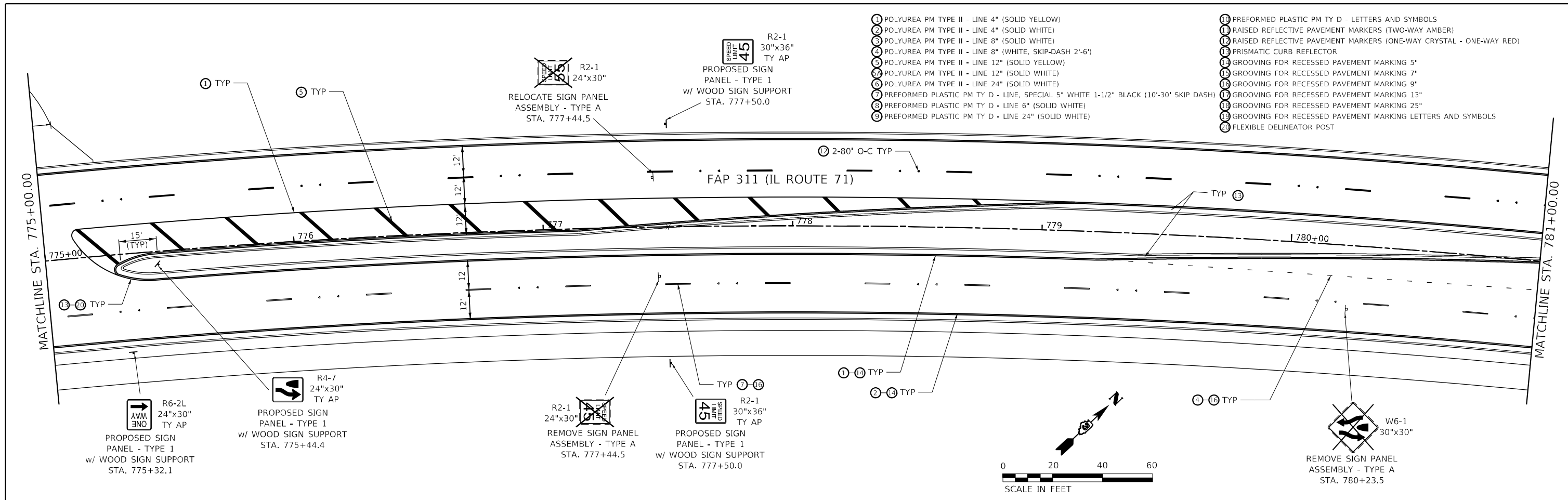


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PLOT DATE = 11/30/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING			
IL ROUTE 71			
SCALE: 1" = 20'	SHEET 18	OF 22 SHEETS	STA. 763+00.00 TO STA. 775+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1,1-1)R	KENDALL	847	637
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				

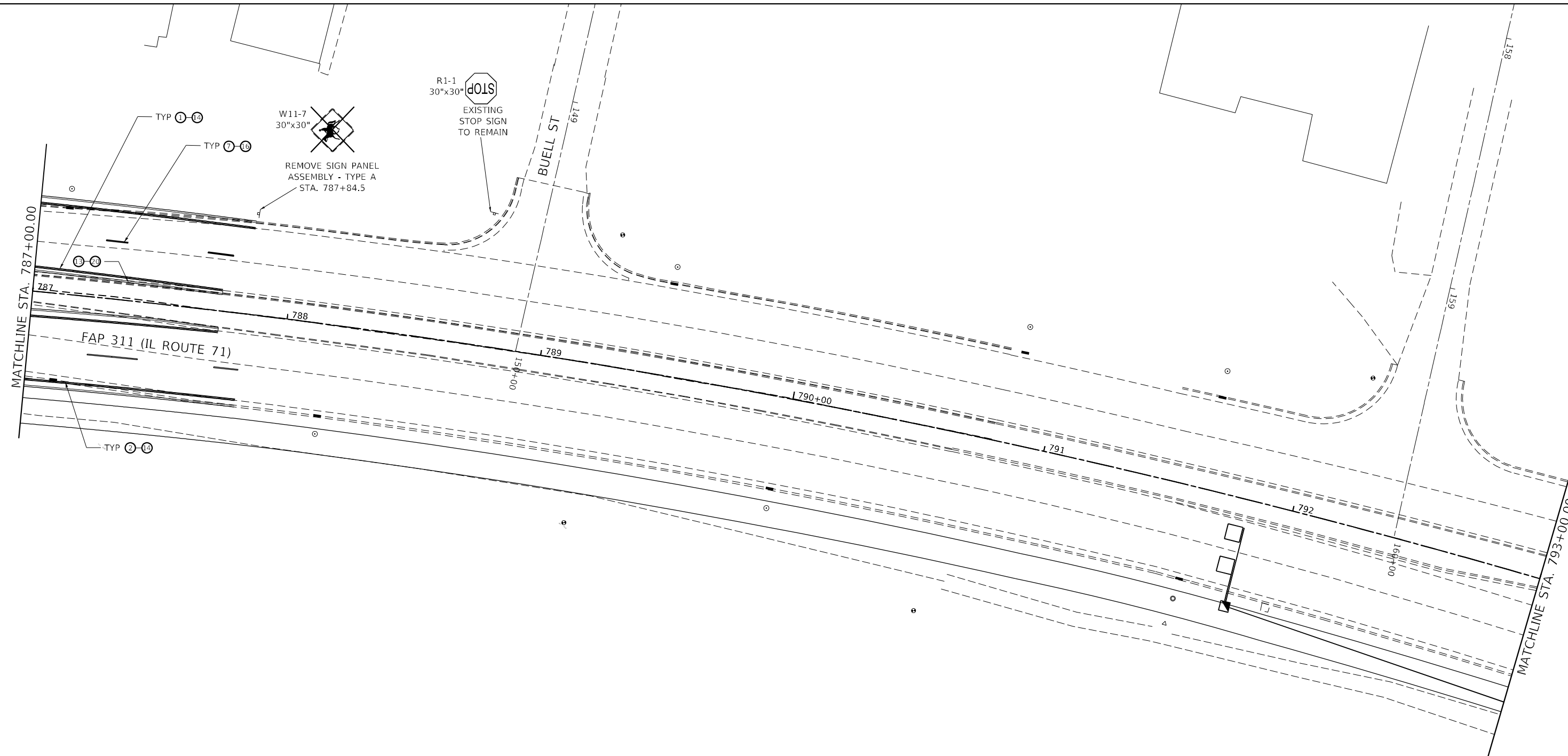


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PLOT DATE = 11/30/2021	CHECKED -	REVISED -
	DATE -	REVISED -

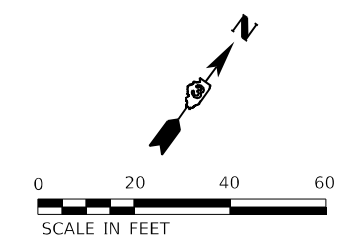
F.A.P. RTE. 311	SECTION (1,1-1)R	COUNTY KENDALL	TOTAL SHEETS 847	SHEET NO. 638
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				

MODEL: FILE NAME: C:\EIT\B31_20090905-000.DWG 15:33:38 GEOTECH (BFW) D3 PHASE 1 E. ILLINOIS CAD/CADD_Sheets\15366026-ext-mpmk_dpw-20_IL71.dwg



- | | |
|---|---|
| 1 POLYUREA PM TYPE II - LINE 4" (SOLID YELLOW) | 10 PREFORMED PLASTIC PM TY D - LETTERS AND SYMBOLS |
| 2 POLYUREA PM TYPE II - LINE 4" (SOLID WHITE) | 11 RAISED REFLECTIVE PAVEMENT MARKERS (TWO-WAY AMBER) |
| 3 POLYUREA PM TYPE II - LINE 8" (SOLID WHITE) | 12 RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY CRYSTAL - ONE-WAY RED) |
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| | 20 FLEXIBLE DELINEATOR POST |

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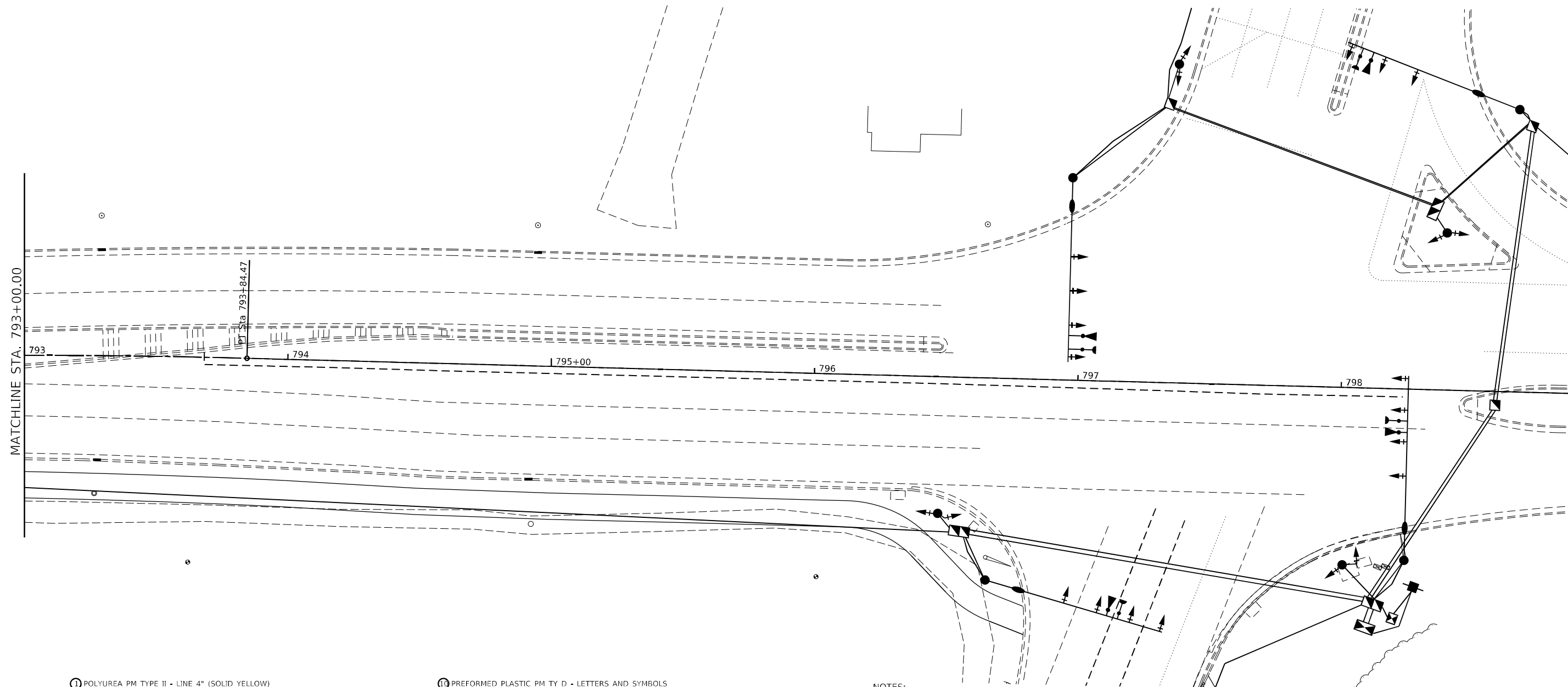


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PLOT SCALE = 40,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 11/30/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING IL ROUTE 71			
SCALE: 1" = 20'	SHEET 20	OF 22 SHEETS	STA. 787+00.00 TO STA. 793+00.00

F.A.P. RTE. 311	SECTION (1,1-1)R	COUNTY KENDALL	TOTAL SHEETS 847	SHEET NO. 639
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				



- | | |
|---|---|
| 1 POLYUREA PM TYPE II - LINE 4" (SOLID YELLOW) | 11 PREFORMED PLASTIC PM TY D - LETTERS AND SYMBOLS |
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| | 21 FLEXIBLE DELINEATOR POST |

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MODEL FILE NAME: C:\EIT\Bids\2009\09-100 DTB_1513-38 GEOTECH (BFW) D3 PHASE 1 & ILLCADD\CADD_Sheets\151338-09-100 DTB_1513-38 GEOTECH.dwg
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USER NAME = untitled	DESIGNED -	REVISED -
PLOT SCALE = 40,0000 */ in.	DRAWN -	REVISED -
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	DATE -	REVISED -

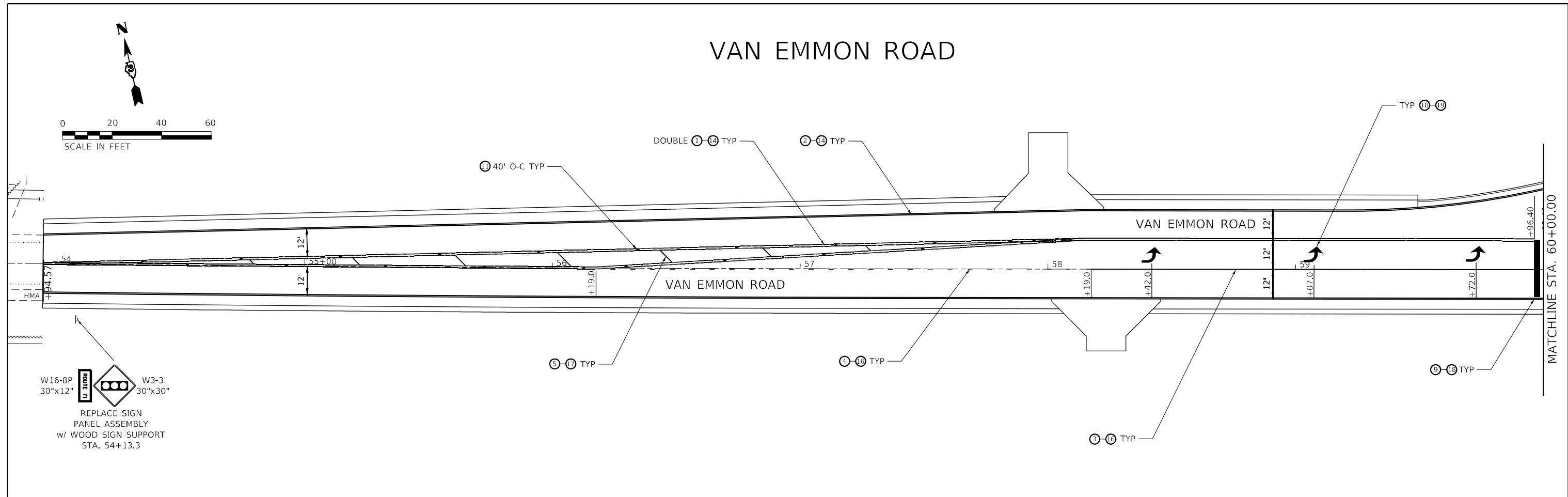
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING
IL ROUTE 71**

SCALE: 1" = 20' SHEET 21 OF 22 SHEETS STA. 793+00.00 TO STA. 798+89.00

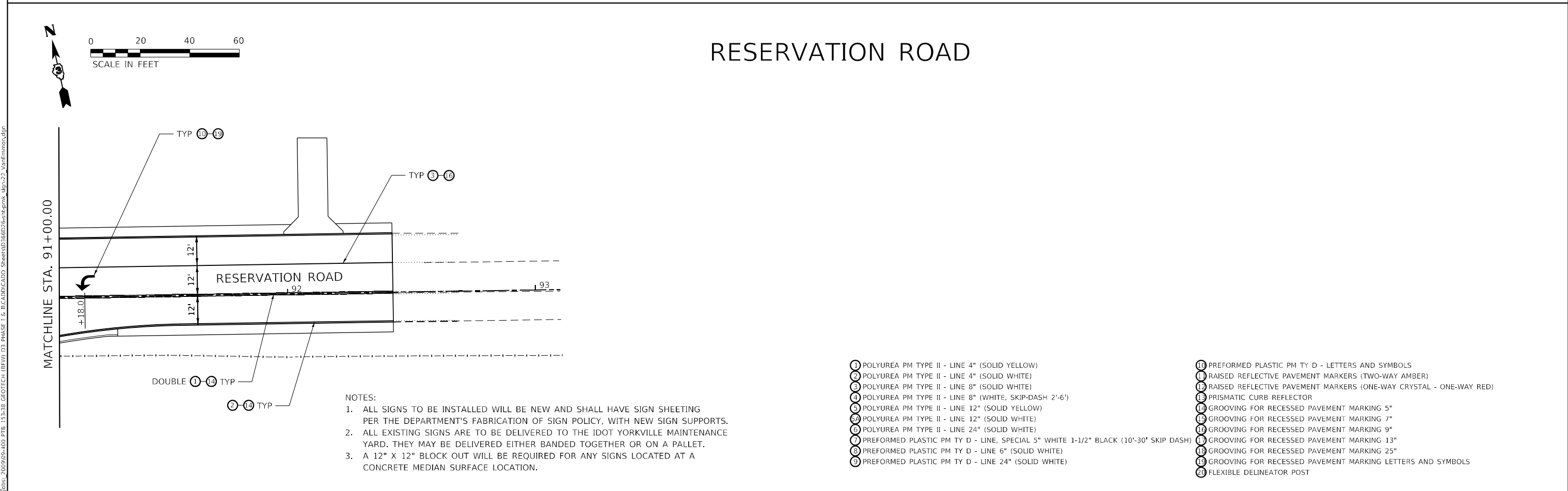
F.A.P. RTE. 311	SECTION (1,1-1)R	COUNTY KENDALL	TOTAL SHEETS 847	SHEET NO. 640
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				

VAN EMMON ROAD



W16-8P
30"x12"
ROUTE 71
W3-3
30"x30"
REPLACE SIGN
PANEL ASSEMBLY
w/ WOOD SIGN SUPPORT
STA. 54+13.3

RESERVATION ROAD



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- ⑳ GROOVING FOR RECESSED PAVEMENT MARKING LETTERS AND SYMBOLS
- ㉑ FLEXIBLE DELINEATOR POST

MODEL FILE NAME: C:\EIT\B051_20090905-100.DWG 15:33:38 GEOTECH (BFW) D3 PHASE 1 & ILCADD\CADD_Sheets\1566076-ent-mpk_dpw-23_VanEmmon.dwg

<p>FUHRMANN ENGINEERING WWW.FUHRMANN-ENG.COM</p>	USER NAME = untitled	DESIGNED -	REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p>PAVEMENT MARKING AND SIGNING VAN EMMON ROAD / RESERVATION ROAD</p>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -		SCALE: 1" = 20'	SHEET 22	OF 22 SHEETS	STA. 53+94.57 TO STA. 91+00.00	(1,1-1)R	KENDALL	847	641
PLOT DATE = 11/30/2021	DATE -	REVISED -					CONTRACT NO. 66D26					
ILLINOIS FED. AID PROJECT												

GENERAL NOTES FOR TRAFFIC SIGNALS

1. THE CONTRACTOR SHALL CONTACT THE CITY OF YORKVILLE (630) 553-4350 A MINIMUM OF 72 HOURS PRIOR TO BEGINNING WORK.
2. THE TRAFFIC SIGNAL SECTION AT THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DISTRICT 3 SHALL BE NOTIFIED AT (815)434-8506 A MINIMUM OF 72 HOURS PRIOR TO TURNING ON ANY FLASHER OR CONTROLLER UNITS.
3. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION. (J.U.L.I.E. (800)892-0123).
4. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE POSSIBLE PRESENCE OF CITY OF YORKVILLE-OWNED UNDERGROUND ELECTRICAL CABLE WITHIN THE LIMITS OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR SHALL REQUEST THE CITY OF YORKVILLE TO LOCATE THE UNDERGROUND FACILITIES, PROVIDING A MINIMUM OF 72 HOURS NOTICE. THE CITY IS A MEMBER OF J.U.L.I.E.
5. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE POSSIBLE PRESENCE OF YORKVILLE-BRISTOL SANITARY DISTRICT-OWNED UNDERGROUND SANITARY SEWER WITHIN THE LIMITS OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR SHALL REQUEST THE DISTRICT TO LOCATE THE UNDERGROUND FACILITIES, PROVIDING A MINIMUM OF 72 HOURS NOTICE. THE SANITARY DISTRICT IS NOT A MEMBER OF J.U.L.I.E.
6. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE PRESENCE OF DEPARTMENT-OWNED UNDERGROUND ELECTRICAL CABLE WITHIN THE LIMITS OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR SHALL REQUEST THE ILLINOIS DEPARTMENT OF TRANSPORTATION IN OTTAWA (815)434-8417 TO LOCATE THE UNDERGROUND FACILITIES, PROVIDING A MINIMUM OF 72 HOURS NOTICE. THE DEPARTMENT IS NOT A MEMBER OF J.U.L.I.E.
7. ALL DAMAGE TO CITY OF YORKVILLE, YORKVILLE-BRISTOL SANITARY DISTRICT, OR DEPARTMENT OWNED UNDERGROUND FACILITIES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER AT THE CONTRACTOR'S EXPENSE. THIS SHALL INCLUDE ALL TEMPORARY REPAIRS REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS. SPLICING OF ELECTRICAL CABLE SHALL NOT BE ALLOWED. ELECTRIC CABLE SHALL BE REPLACED FROM POLE TO POLE OR CONTROLLER.
8. THE CONTRACTOR IS RESPONSIBLE FOR UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THIS COST SHALL BE INCLUDED WITH THE COST OF THE ASSOCIATED TRAFFIC SIGNAL PAY ITEMS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.39 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK.
10. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ELECTRICAL SERVICE FOR THE TRAFFIC SIGNALS AND LIGHTING. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANY PRIOR TO BEGINNING WORK TO OBTAIN THE UTILITY COMPANY'S REQUIREMENTS FOR THE SERVICE INSTALLATION.
12. THE CONTRACTOR SHALL ARRANGE FOR A FACTORY OR SUPPLIER REPRESENTATIVE TO BE PRESENT AT THE INTERSECTION WHEN THE SIGNAL IS TURNED ON. THIS COST SHALL BE INCLUDED IN THE COST OF THE TRAFFIC SIGNAL CONTROLLER PAY ITEM.
13. THE MAST ARMS SHALL BE LOCATED A MINIMUM OF 6' FROM THE FACE OF CURB OR A MINIMUM 18' FROM THE EDGE OF PAVEMENT TO THE FACE OF FOUNDATION WHERE THERE IS NO CURB, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. SIGNAL POLE LOCATIONS SHALL NOT INTERFERE WITH SIDEWALK OR SHARED-USE PATH.
14. TRAFFIC SIGNAL HEADS SHALL BE PROPERLY COVERED PRIOR TO INTERSECTION TURN-ON OR AS DIRECTED BY THE ENGINEER. THIS COST SHALL BE INCLUDED WITH THE COST OF THE ASSOCIATED TRAFFIC SIGNAL PAY ITEMS.
15. ALL CONDUIT IN TRENCH SHALL BE P.V.C.. ALL CONDUIT PUSHED MAY BE P.V.C. OR GALVANIZED STEEL. CONDUIT ATTACHED TO STRUCTURES SHALL BE GALVANIZED STEEL.
16. A 1/4" DIAMETER CONTINUOUS RODENT RESISTANT NYLON ROPE SHALL BE FURNISHED AND LEFT IN PLACE IN ALL CONDUITS BETWEEN HANDHOLES AND FOUNDATIONS OR CONTROLLER. THIS COST SHALL BE INCLUDED IN THE COST OF THE CONDUIT PAY ITEMS.
17. THE PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET SHALL BE FURNISHED WITH A MANUAL CONTROL SWITCH AND MANUAL CONTROL CORD WITHIN THE POLICE DOOR COMPARTMENT. THIS WORK SHALL BE INCLUDED IN THE COST OF THE CONTROLLER CABINET PAY ITEM.
18. THE SURGE PROTECTOR IN THE CONTROLLER CABINET SHALL HAVE AN INDICATOR LIGHT.
19. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT A GREATER THAN 2' MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
20. ALL MAST ARM MOUNTED SIGNAL HEADS ON AN INDIVIDUAL MAST ARM SHALL BE MOUNTED SO THAT THE RED INDICATIONS ARE LEVEL WITH EACH OTHER AND MAINTAIN A MINIMUM 16.5' CLEARANCE FROM THE HIGHEST POINT OF THE ROADWAY.
21. THE ELECTRICAL CONDUCTORS FOR ALL TRAFFIC SIGNAL HEADS SHALL BE SOLID, SOFT COPPER.
22. DOUBLE FUSE HOLDERS AND SURGE ARRESTORS ARE TO BE SUPPLIED AND INSTALLED BY THE CONTRACTOR IN THE BASE OF THE COMBINATION MAST ARM, WHICH SHALL BE INCLUDED IN THE LIGHT FIXTURE PAY ITEM. THE LIGHT FIXTURE ON THE COMBINATION MAST ARM SHALL BE ATTACHED TO A 15' ARM UNLESS SPECIFICALLY STATED OTHERWISE ELSEWHERE IN THE PLANS OR AS DIRECTED BY THE ENGINEER.
23. BACKPLATES SHALL BE POLYCARBONATE, LOUVERED FORMED BACKPLATES WITH FLUORESCENT YELLOW SHEETING.
24. THE DOUBLE HANDHOLE SHALL BE FURNISHED WITH RECESSED, INTEGRAL, HINGED LIDS.
25. ALL THREADS OF BOLTS USED IN THE ASSEMBLY OF TRAFFIC SIGNAL COMPONENTS SHALL BE COATED WITH A NON-LEAD BASED ANTI-SEIZE COMPOUND, SIMILAR TO LEAD PLATE, PRIOR TO ASSEMBLY. ALL MAST ARM POLE BASES SHALL BE PROTECTED BY A STAINLESS STEEL MESH SCREENING AROUND THE BASEBOLTS TO PREVENT RODENT ENTRY. THE MESH SHALL BE SECURED TO THE BASE BY STAINLESS STEEL BANDING WHICH IS INCLUDED IN THE INDIVIDUAL MAST ARM ASSEMBLY PAY ITEM.
26. THE CONTROLLER CABINET SHALL BE PLACED SO THAT A TECHNICIAN MAY SEE THE INTERSECTION OVER THE TOP OF THE CABINET WHILE WATCHING THE COMPONENTS IN THE CABINET. THE BOTTOM OF THE CONTROLLER CABINET SHALL BE A MINIMUM OF 1' ABOVE THE NEAREST HANDHOLE GRADE.
27. THE ELEVATION OF THE TOP OF THE DOUBLE HANDHOLE SHALL BE LESS THAN THE ELEVATION OF THE TOP OF THE CONTROLLER FOUNDATION. THE DOUBLE HANDHOLES INSTALLED CLOSE TO THE ROADWAY SHALL OPEN UP TOWARDS THE ROADWAY SO THE ELECTRICAL MAINTAINER IS NOT EXPOSED TO TRAFFIC WHEN WORKING.
28. SIGN PANELS, SIGN PANEL ASSEMBLIES, AND LIGHTING UNITS, REMOVED BY THE CONTRACTOR SHALL BE DELIVERED TO THE YORKVILLE PUBLIC WORKS YARD AT 610 TOWER LANE.
29. ALL TRAFFIC SIGNALS SHALL HAVE 12-INCH SINGLE LED LENSES.
30. ALL TRAFFIC SIGNAL HEADS SHALL BE 12-INCH POLYCARBONATE.
31. ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 701 OF THE STANDARD SPECIFICATIONS.
32. THE CONTRACTOR SHALL PROVIDE 3 FEET OF SLACK CABLE IN EACH TRAFFIC SIGNAL STRUCTURE, MAST ARM, POST, CONTROLLER, AND HANDHOLES. THE SLACK, WHICH IS IN ADDITION TO THE VERTICAL LENGTH OF CABLE DEFINED IN THE SPECIFICATIONS, SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR EACH CABLE. THESE REQUIREMENTS SHALL BE IN ADDITION TO THE EXTRA CABLE REQUIREMENTS AS SPECIFIED IN SECTIONS 871 AND 873 OF THE STANDARD SPECIFICATIONS.
33. THE DOUBLE HANDHOLE SHALL HAVE A 13 FEET OF SLACK IN EACH CABLE NEATLY WOUND ON THE HOOKS. THE CABLE SHALL BE PAID FOR AT ITS INDIVIDUAL UNIT PRICE.
34. ALL HARDWARE SHALL BE TIGHTENED AND WELL SECURED. CABLES SHALL BE NEATLY WOUND IN HANDHOLES. CABLES SHALL BE NEATLY TRAINED IN THE CONTROLLER CABINET.
35. THE CONTRACTOR SHALL PROVIDE A SELF-ADHERED PHASE DIAGRAM ON THE INSIDE OF THE CONTROLLER CABINET DOOR.
36. ALL TRAFFIC SIGNAL WIRING SHALL EXTEND FROM CONTROLLER TO SIGNAL. SPLICES IN HANDHOLES AND JUNCTION BOXES WILL NOT BE ALLOWED.
37. ALL VEHICLE AND PEDESTRIAN SIGNAL HEADS SHALL HAVE POLYCARBONATE BLACK HOUSING AND BLACK BRACKETS.
38. ALL UNINTERRUPTABLE POWER SUPPLIES SHALL BE EQUIPPED WITH ALPHA GUARD MONITORS.
39. ALL GROUNDING MATERIALS FOR THE TRAFFIC SIGNAL CONCRETE FOUNDATIONS SHALL REFER TO SECTION 806 OF THE STANDARD SPECIFICATIONS.
40. ALL AREAS DISTURBED BY THE CONTRACTOR SHALL BE RESTORED WITH SEED OR SOD TO THE SATISFACTION OF THE ENGINEER. SEEDING OR SODDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION.
41. THE FIBER OPTIC CABLE SHALL BE LABELED WITH DIRECTION AND ASSIGNMENT NUMBER.
42. ALL WORK PERFORMED RELATIVE TO THIS IMPROVEMENT SHALL COMPLY WITH ALL APPLICABLE RULES AND REGULATIONS OF O.S.H.A.
43. THE QUANTITIES PROVIDED IN THE PLANS ARE INTENDED AS A GUIDE FOR THE CONTRACTOR IN DETERMINING THE SCOPE OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING ALL MATERIAL QUANTITIES AND EVALUATING SITE CONDITIONS. NO CLAIMS FOR EXTRA WORK WILL BE AWARDED UNLESS ORDERED IN WRITING BY THE ENGINEER.
44. ALL TRAFFIC SIGNAL CONTROL EQUIPMENT SHALL BE ECONOLITE.
45. ALL CONDUIT IN TRENCH SHALL BE P.V.C., GALVANIZED STEEL, OR SCHEDULE 80 AND SHALL BE USED UNDER PAVEMENT, STABILIZED SHOULDER, PAVED MEDIAN, PAVED DRIVEWAY, CURB AND/OR GUTTER, AND SIDEWALK. CONDUIT ATTACHED TO STRUCTURE SHALL BE GALVANIZED STEEL.
46. ALL VEHICLE AND PEDESTRIAN SIGNAL HEADS SHALL HAVE POLYCARBONATE BLACK HOUSING AND STEEL OR ALUMINUM BRACKETS.
47. ALL TRAFFIC SIGNAL CONTROLLERS SHALL INCLUDE NTCIP AND THE VIDEO DETECTION SHALL USE VIDEO G.
48. HANDHOLES SHALL OPEN UP TOWARDS THE ROADWAY SO THE ELECTRICAL MAINTAINER IS NOT EXPOSED TO TRAFFIC WHILE WORKING.

MODEL Path: \\s:\projects\2013\JOBS\13-669\BFW\BFW_153_Item_38_IL_71_D3_P1_IL66D26\CADD\CADD_Sheets\066D26-sht-Gennote_15.dgn



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PLOT DATE = 2/9/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC SIGNAL GENERAL NOTES

SCALE: NONE SHEET 1 OF 21 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R, BR1	KENDALL	847	642
CONTRACT NO. 66D26				
		ILLINOIS	FED. AID PROJECT	

GENERAL NOTES FOR TEMPORARY TRAFFIC SIGNALS

1. THE CONTRACTOR SHALL PROVIDE AND INSTALL EQUIPMENT WITH RESPECT TO THE SPAN WIRE MOUNTED TRAFFIC SIGNAL INSTALLATION. THIS SHALL INCLUDE ALL CABLES, SIGNAL AND PEDESTRIAN HEADS, CONDUIT, PUSH-BUTTONS, CONTROLLER AND CABINET AND ALL OTHER PERIPHERAL EQUIPMENT.
2. ALL CONTROL EQUIPMENT FOR THE TEMPORARY TRAFFIC SIGNALS SHALL BE FURNISHED BY THE CONTRACTOR UNLESS OTHERWISE STATED ON THE PLANS. ON PROJECTS WITH MULTIPLE TEMPORARY TRAFFIC SIGNAL INSTALLATIONS, ALL CONTROLLERS SHALL BE THE SAME MANUFACTURER BRAND AND MODEL NUMBER WITH CURRENT SOFTWARE INSTALLED.
3. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
4. THE TEMPORARY TRAFFIC SIGNAL HEADS SHALL BE PLACED AS INDICATED ON THE PLANS OR DIRECTED BY THE ENGINEER.
5. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED, AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
6. THE SPAN WIRE MOUNTED TEMPORARY SIGNAL HEADS SHALL MAINTAIN A UNIFORM 18' CLEARANCE OVER THE ROADWAY.
7. ALL SIGNAL HEADS ON AN INDIVIDUAL SPAN WIRE SHALL BE MOUNTED SO THAT THE "RED" INDICATIONS ARE LEVEL WITH EACH OTHER.
8. TEMPORARY WOOD POLES SHALL BE LOCATED A MINIMUM OF 6' FROM THE FACE OF CURB OR A MINIMUM 18' FROM THE EDGE OF PAVEMENT WHERE THERE IS NO CURB, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
9. ALL TEMPORARY WOOD POLES SHOULD BE INSTALLED SO THAT A MINIMUM OF 32 FEET OF POLE IS ABOVE THE EXISTING PAVEMENT ELEVATION ADJACENT TO THE POLE. A SUFFICIENT LENGTH OF POLE SHALL BE BURIED AND BACK GUYED TO ALLOW THE INSTALLATION TO WITHSTAND A 10 M.P.H. SUSTAINED WIND LOADING.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING THE WOOD POLE LOCATIONS BEFORE ORDERING TO DETERMINE IF LONGER POLES ARE REQUIRED.
11. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 3. INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
12. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL MEET OR EXCEED THE REQUIREMENTS OF SECTION 857 OF THE STANDARD SPECIFICATIONS AND THE TRAFFIC SIGNAL SPECIAL PROVISIONS WITH REGARDS TO INTERNAL TIME BASE COORDINATION, PREEMPTION, AND TESTING.
13. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE FOR STAGING AND AS DIRECTED BY THE ENGINEER. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD. TEMPORARY SIGNAL HEADS SHALL BE RELOCATED AS NECESSARY TO LINE UP WITH STAGE TRAFFIC LANES. DO NOT INSTALL HEADS THAT BLOCK OPPOSING TRAFFIC HEADS. WHEN POSSIBLE, PLACE TEMPORARY SIGNALS IN FRONT OF EXISTING TRAFFIC SIGNALS. THIS WORK WILL BE INCLUDED IN THE COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION.
14. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
15. UNINTERRUPTABLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
16. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
17. ALL LABOR AND MATERIALS REQUIRED TO COMPLY WITH THESE REQUIREMENTS SHALL BE CONSIDERED INCLUDED IN THE PRICE FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.
18. THE CONTRACTOR SHALL CONTACT THE SIGNAL SECTION AT IDOT 1-815-434-8506 BEFORE INSTALLING THE TEMPORARY SIGNAL.

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PLOT DATE = 2/9/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL GENERAL NOTES
 SCALE: NONE SHEET 2 OF 21 SHEETS STA. TO STA.

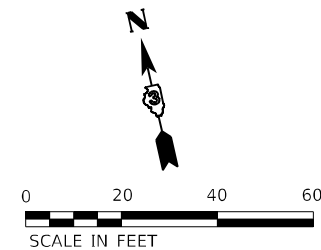
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R, BR1	KENDALL	847	643
CONTRACT NO. 66D26				
ILLINOIS		FED. AID PROJECT		

TRAFFIC SIGNAL LEGEND

PROPOSED	EXISTING	PROPOSED	EXISTING

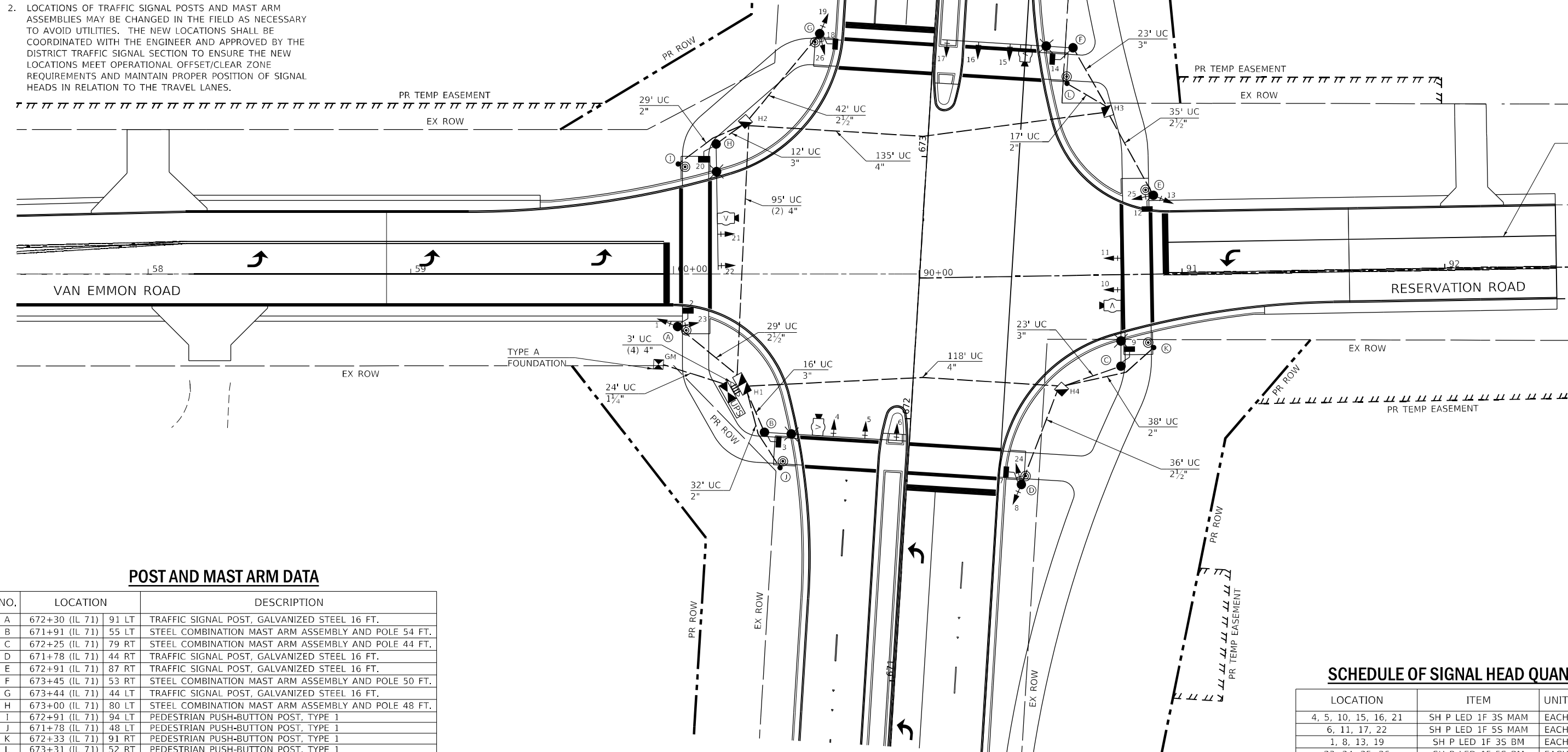
NOTES:

- COMBINATION LIGHTING CONTROLLER TO BE LOCATED WITHIN THE TRAFFIC SIGNAL CONTROLLER.
- LOCATIONS OF TRAFFIC SIGNAL POSTS AND MAST ARM ASSEMBLIES MAY BE CHANGED IN THE FIELD AS NECESSARY TO AVOID UTILITIES. THE NEW LOCATIONS SHALL BE COORDINATED WITH THE ENGINEER AND APPROVED BY THE DISTRICT TRAFFIC SIGNAL SECTION TO ENSURE THE NEW LOCATIONS MEET OPERATIONAL OFFSET/CLEAR ZONE REQUIREMENTS AND MAINTAIN PROPER POSITION OF SIGNAL HEADS IN RELATION TO THE TRAVEL LANES.



HANDHOLE DATA

NO.	LOCATION	DESCRIPTION
H1	672+09 (IL 71)	65 LT DOUBLE HANDHOLE
H2	673+09 (IL 71)	70 LT HANDHOLE
H3	673+22 (IL 71)	68 RT HANDHOLE
H4	672+15 (IL 71)	57 RT HANDHOLE



POST AND MAST ARM DATA

NO.	LOCATION	DESCRIPTION
A	672+30 (IL 71)	91 LT TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
B	671+91 (IL 71)	55 LT STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT.
C	672+25 (IL 71)	79 RT STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.
D	671+78 (IL 71)	44 RT TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
E	672+91 (IL 71)	87 RT TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
F	673+45 (IL 71)	53 RT STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.
G	673+44 (IL 71)	44 LT TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
H	673+00 (IL 71)	80 LT STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.
I	672+91 (IL 71)	94 LT PEDESTRIAN PUSH-BUTTON POST, TYPE 1
J	671+78 (IL 71)	48 LT PEDESTRIAN PUSH-BUTTON POST, TYPE 1
K	672+33 (IL 71)	91 RT PEDESTRIAN PUSH-BUTTON POST, TYPE 1
L	673+31 (IL 71)	52 RT PEDESTRIAN PUSH-BUTTON POST, TYPE 1

SCHEDULE OF SIGNAL HEAD QUANTITIES

LOCATION	ITEM	UNIT	QUANTITY
4, 5, 10, 15, 16, 21	SH P LED 1F 3S MAM	EACH	6
6, 11, 17, 22	SH P LED 1F 5S MAM	EACH	4
1, 8, 13, 19	SH P LED 1F 3S BM	EACH	4
23, 24, 25, 26	SH P LED 1F 5S BM	EACH	4
2, 3, 7, 9, 12, 14, 18, 20	PED SH P LED 1F BM CT	EACH	8

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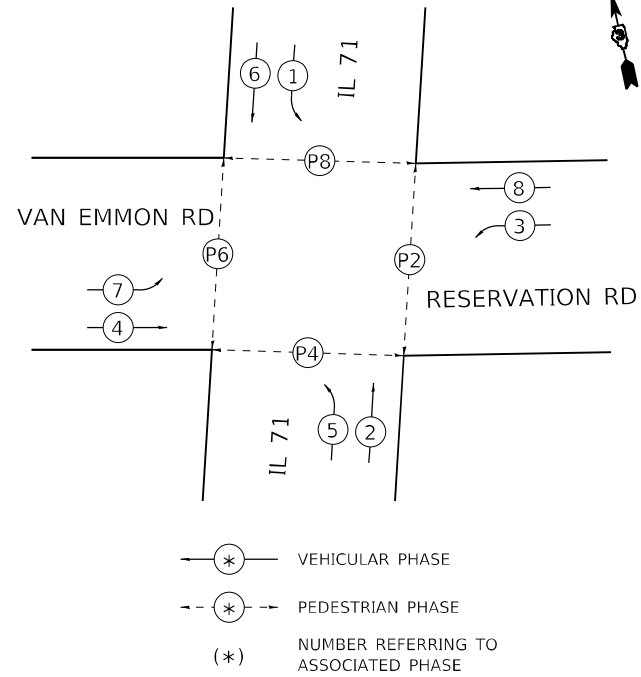
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN
 IL 71 AT VAN EMMON ROAD /RESERVATION ROAD
 SCALE: 1" = 20'
 SHEET 3 OF 21 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R, BR1	KENDALL	847	644

CONTRACT NO. 66D26
 ILLINOIS FED. AID PROJECT

CONTROLLER SEQUENCE



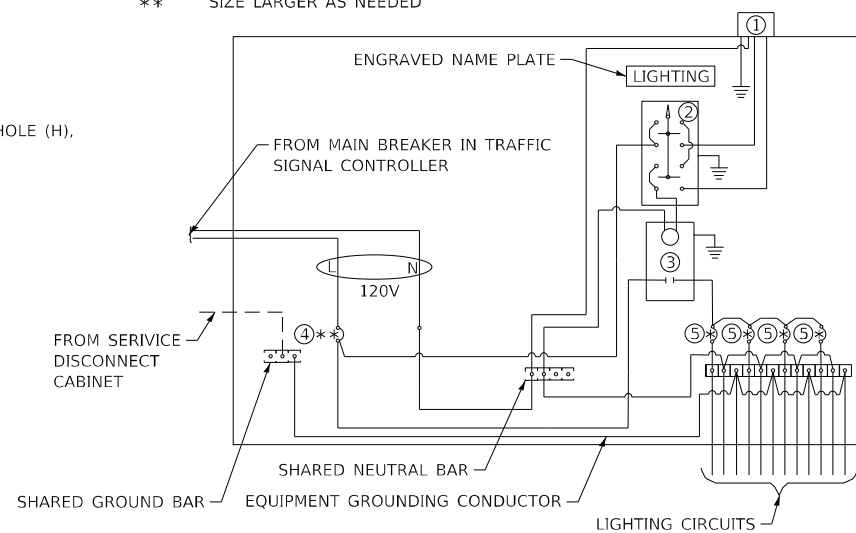
PHASE DESIGNATION DIAGRAM

CABLE DIAGRAM LEGEND

- TRAFFIC SIGNAL CONTROLLER CABINET
- UNINTERRUPTIBLE POWER SUPPLY
- SERVICE INSTALLATION, GROUND MOUNTED METERED, 120V
- TRAFFIC SIGNAL HEAD WITH BACKPLATE
- DENOTES NUMBER OF CONDUCTORS
- LUMINAIRE, LED
- PEDESTRIAN SIGNAL HEAD W/COUNTDOWN TIMER
- PUSHBUTTON DETECTOR
- VIDEO CAMERA
- GROUND CABLE ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), CONTROLLER (C), OR LIGHTING CONTROLLER (L)
- GROUND ROD AT POST (P) OR MAST ARM (MA)
- GROUND ROD AT ELECTRIC SERVICE INSTALLATION
- SERVICE CABLE
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
- LIGHTING CABLE
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10
- VIDEO CABLE
SEE SPECIAL PROVISION FOR VIDEO VEHICLE DETECTION SYSTEM

COMBINATION LIGHTING CONTROLLER LEGEND

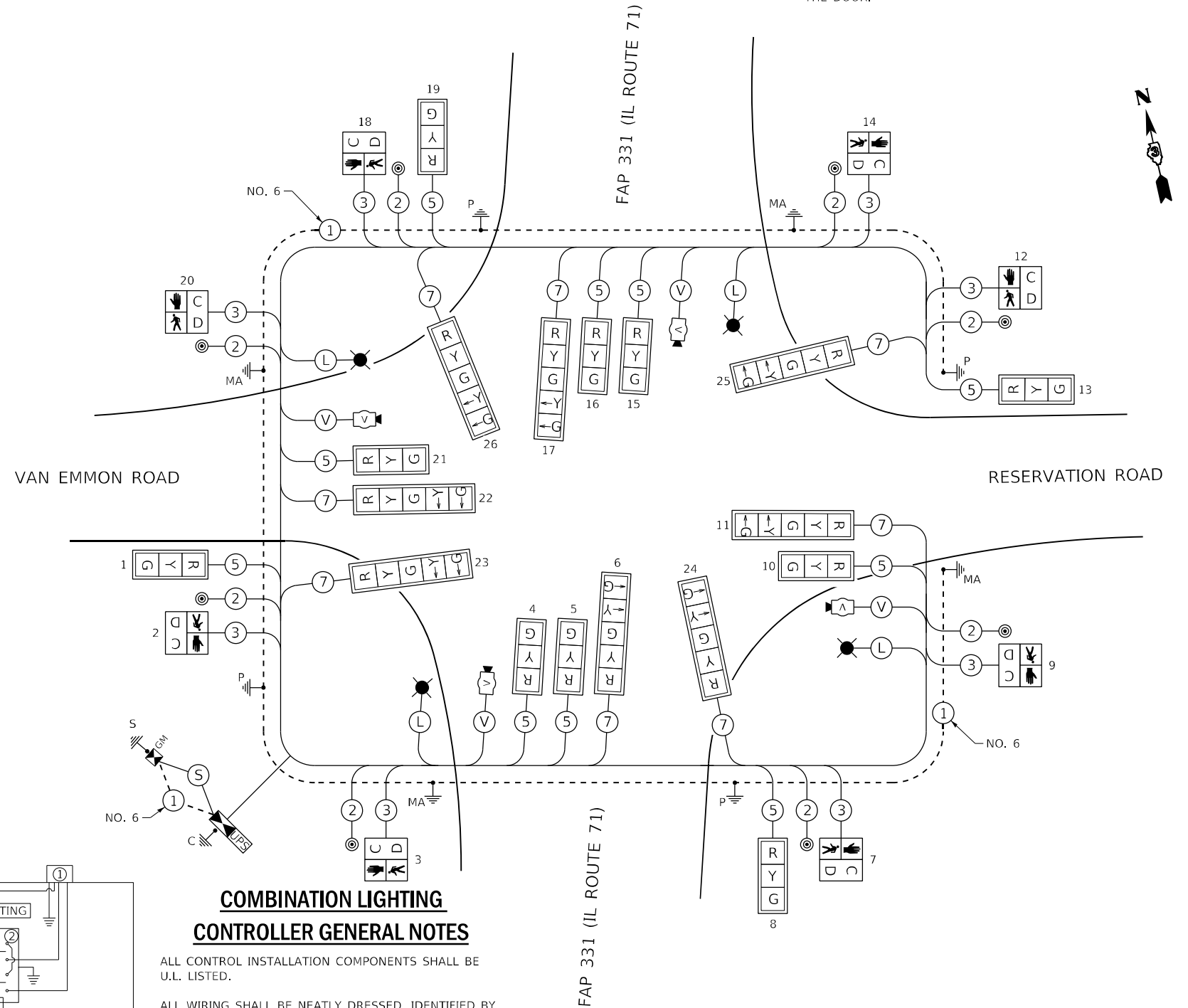
- GROUND CONNECTED TO SHARED GROUND BAR
- INDICATES SHARED WITH TRAFFIC SIGNAL CONTROLLER EQUIPMENT
- PHOTOCELL WITH INTEGRAL SURGE ARRESTER
- HAND-OFF-AUTO SELECTOR SWITCH
- 30 AMP, 1 POLE ELECTRICALLY HELD CONTACTOR
- 30 AMP, 1 POLE, CIRCUIT BREAKER
- 15 AMP, 1 POLE, BRANCH BREAKER
- QUANTITY OF BRANCH BREAKERS SHALL DEPEND ON THE COMBINATION LIGHTING CIRCUIT DIAGRAM OR AS DIRECTED BY THE ENGINEER
- SIZE LARGER AS NEEDED



COMBINATION LIGHTING CONTROLLER WIRING DIAGRAM

NOTES

- A SELF ADHERING PHASING DIAGRAM SHALL BE PLACED INSIDE THE DOOR.



CABLE DIAGRAM
NOT TO SCALE

COMBINATION LIGHTING CONTROLLER GENERAL NOTES

- ALL CONTROL INSTALLATION COMPONENTS SHALL BE U.L. LISTED.
- ALL WIRING SHALL BE NEATLY DRESSED, IDENTIFIED BY TAGS, AND SUPPORTED.
- THE CIRCUIT BREAKER SHALL BE CLEARLY LABELED FOR LIGHTING ACCORDING TO ARTICLE 1068.01(F) OF THE STANDARD SPECIFICATIONS.
- INSTALL UNDER EAVE PHOTOCELL ON TRAFFIC SIGNAL CONTROLLER CABINET PER ARTICLE 1068.01(E)(2) OF THE STANDARD SPECIFICATIONS.
- ALL LIGHTING EQUIPMENT SHALL BE INSTALLED ON A SIDE MOUNTED INSULATED SUBPANEL PER ARTICLE 1068.01(E)(9) OF THE STANDARD SPECIFICATIONS ON THE LOWER RIGHT HAND SIDE OF THE TRAFFIC SIGNAL CONTROLLER OR AS DIRECTED BY THE ENGINEER.
- PROVIDE AN ENGRAVED STAINLESS STEEL NAMEPLATE ON THE SUB PANEL READING "LIGHTING".

CONTROLLER SPECIFIED: ECONOLITE COBALT ATC TS-2 TYPE 2
UPS SPECIFIED: TECH POWER DBLE

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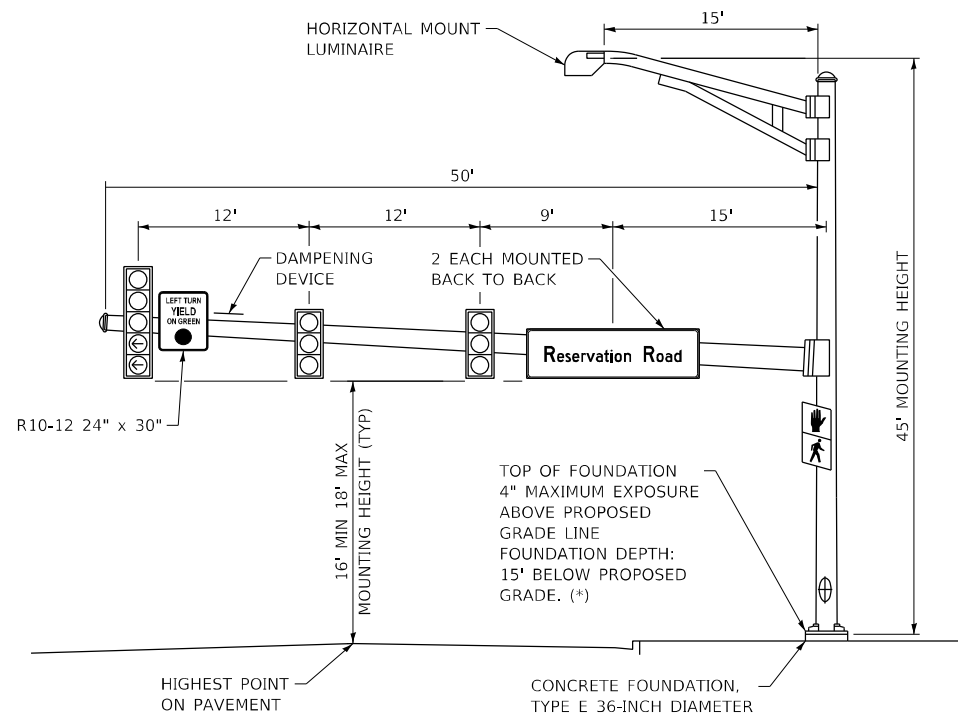
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

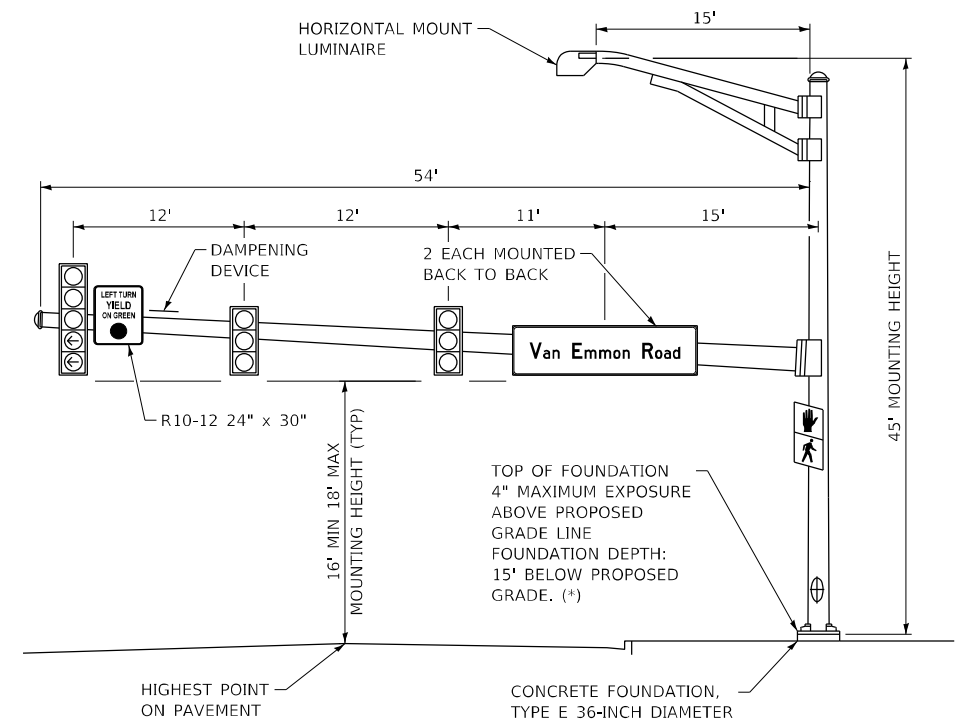
TRAFFIC SIGNAL CABLE PLAN
IL 71 AT VAN EMMON ROAD /RESERVATION ROAD

SCALE: NONE SHEET 4 OF 21 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R, BR1	KENDALL	847	645
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				

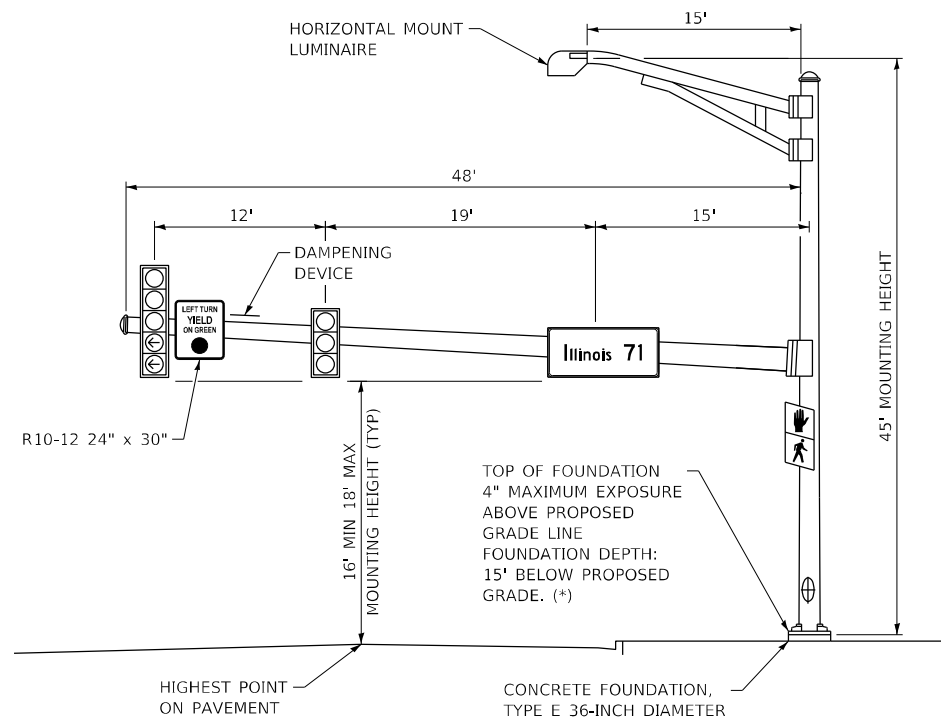


IL 71 NB (NE QUADRANT)

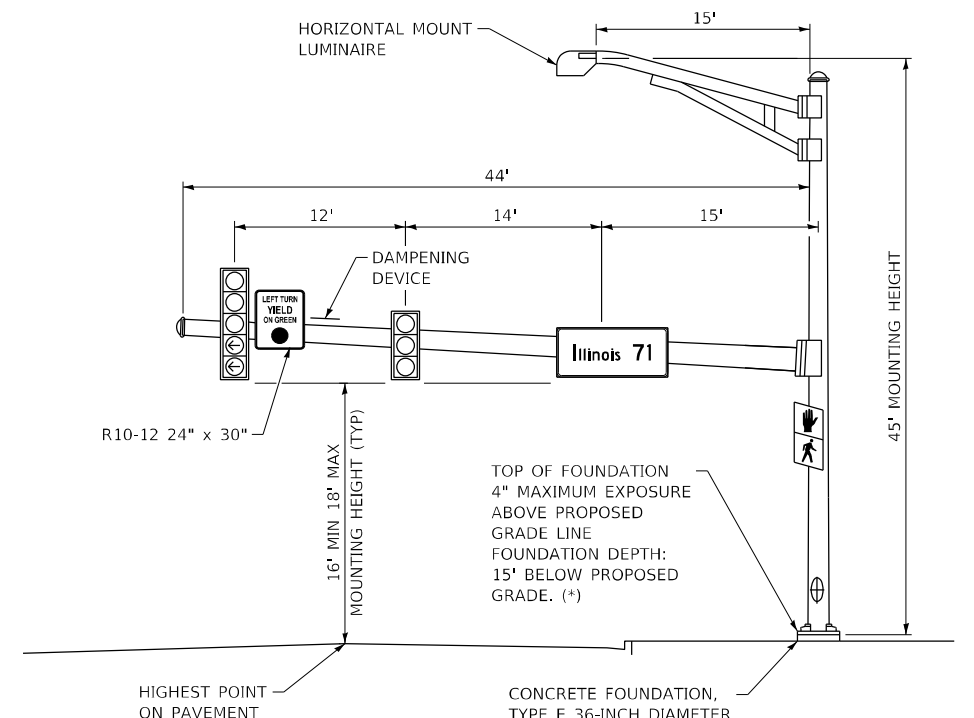


IL 71 SB (SW QUADRANT)

(*) FOUNDATION DEPTHS ARE BASED ON THE TABLE INCLUDED IN HIGHWAY STANDARD 878001 WHICH ARE DESIGNED FOR SOILS WITH AN AVERAGE UNCONFINED COMPRESSIVE STRENGTH GREATER THAN 1.0 TSF. PRIOR TO FOUNDATION INSTALLATION, THE CONTRACTOR SHALL VERIFY THE SOIL STRENGTH TO THE DEPTH OF THE FOUNDATION AT EACH PROPOSED LOCATION.



RESERVATION ROAD WB (NW QUADRANT)



VAN EMMON ROAD EB (SE QUADRANT)

NOTES:

1. ALL SIGNAL HEADS SHALL HAVE BACKPLATES.
2. TOP OF FOUNDATION SHALL NOT BE EXPOSED MORE THAN 4 INCHES ABOVE THE SURROUNDING GRADE LINE IN ACCORDANCE WITH HIGHWAY STANDARD 878001.
3. TOP OF FOUNDATION SHOULD BE 2 INCHES ABOVE TOP OF CURB OR 1 FOOT ABOVE CENTERLINE OF THE ROADWAY, WHICHEVER IS HIGHER.

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







**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

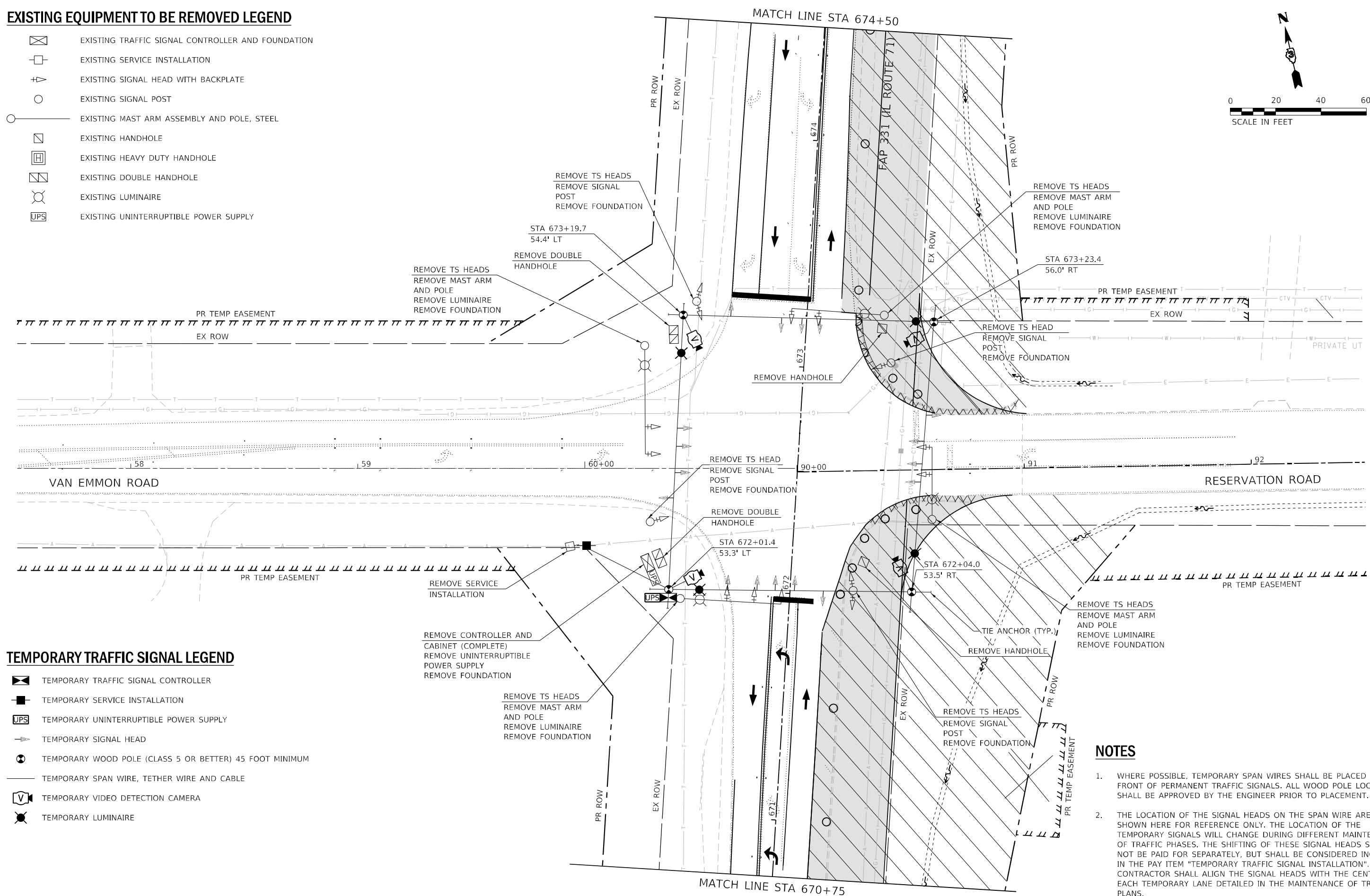
**MAST ARM LOADING DIAGRAM
IL 71 AT VAN EMMON ROAD /RESERVATION ROAD**

SCALE: NONE SHEET 6 OF 21 SHEETS STA. TO STA.









F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R, BR1	KENDALL	847	647
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				

EXISTING EQUIPMENT TO BE REMOVED LEGEND

-  EXISTING TRAFFIC SIGNAL CONTROLLER AND FOUNDATION
-  EXISTING SERVICE INSTALLATION
-  EXISTING SIGNAL HEAD WITH BACKPLATE
-  EXISTING SIGNAL POST
-  EXISTING MAST ARM ASSEMBLY AND POLE, STEEL
-  EXISTING HANDHOLE
-  EXISTING HEAVY DUTY HANDHOLE
-  EXISTING DOUBLE HANDHOLE
-  EXISTING LUMINAIRE
-  EXISTING UNINTERRUPTIBLE POWER SUPPLY



TEMPORARY TRAFFIC SIGNAL LEGEND

-  TEMPORARY TRAFFIC SIGNAL CONTROLLER
-  TEMPORARY SERVICE INSTALLATION
-  TEMPORARY UNINTERRUPTIBLE POWER SUPPLY
-  TEMPORARY SIGNAL HEAD
-  TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT MINIMUM
-  TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
-  TEMPORARY VIDEO DETECTION CAMERA
-  TEMPORARY LUMINAIRE

NOTES

1. WHERE POSSIBLE, TEMPORARY SPAN WIRES SHALL BE PLACED IN FRONT OF PERMANENT TRAFFIC SIGNALS. ALL WOOD POLE LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT.
2. THE LOCATION OF THE SIGNAL HEADS ON THE SPAN WIRE ARE SHOWN HERE FOR REFERENCE ONLY. THE LOCATION OF THE TEMPORARY SIGNALS WILL CHANGE DURING DIFFERENT MAINTENANCE OF TRAFFIC PHASES. THE SHIFTING OF THESE SIGNAL HEADS SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE PAY ITEM "TEMPORARY TRAFFIC SIGNAL INSTALLATION". THE CONTRACTOR SHALL ALIGN THE SIGNAL HEADS WITH THE CENTER OF EACH TEMPORARY LANE DETAILED IN THE MAINTENANCE OF TRAFFIC PLANS.

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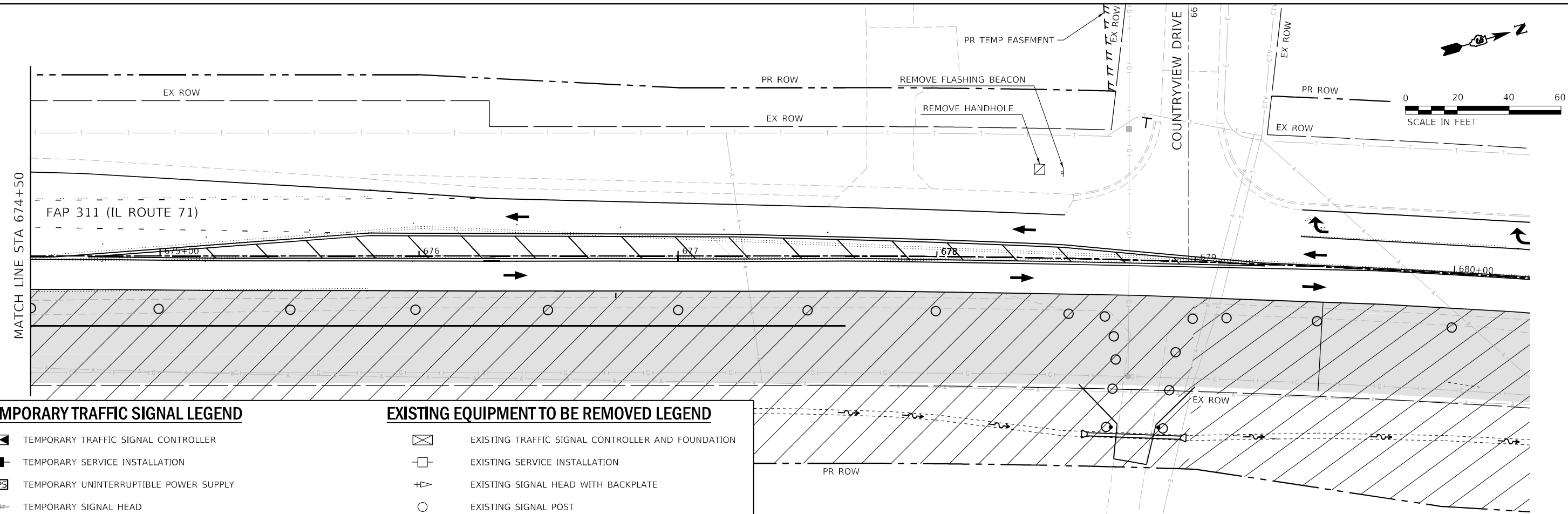
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PLOT DATE = 2/9/2022	CHECKED - NLS	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**









**TEMPORARY TRAFFIC SIGNAL AND EXISTING REMOVAL PLAN
IL 71 AT VAN EMMON ROAD /RESERVATION ROAD
STAGE 1**

SCALE: 1" = 20' SHEET 7 OF 21 SHEETS STA. TO STA.











F.A.P. RTE. 311	SECTION (1-1)R, BR1	COUNTY KENDALL	TOTAL SHEETS 847	SHEET NO. 648
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				

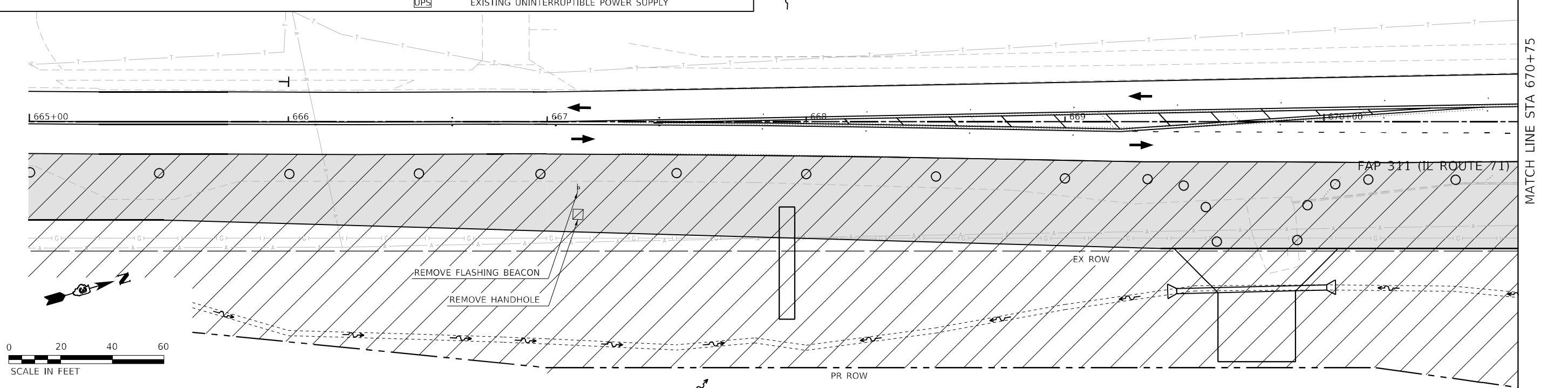


TEMPORARY TRAFFIC SIGNAL LEGEND

-  TEMPORARY TRAFFIC SIGNAL CONTROLLER
-  TEMPORARY SERVICE INSTALLATION
-  TEMPORARY UNINTERRUPTIBLE POWER SUPPLY
-  TEMPORARY SIGNAL HEAD
-  TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT MINIMUM
-  TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
-  TEMPORARY VIDEO DETECTION CAMERA
-  TEMPORARY LUMINAIRE

EXISTING EQUIPMENT TO BE REMOVED LEGEND

-  EXISTING TRAFFIC SIGNAL CONTROLLER AND FOUNDATION
-  EXISTING SERVICE INSTALLATION
-  EXISTING SIGNAL HEAD WITH BACKPLATE
-  EXISTING SIGNAL POST
-  EXISTING MAST ARM ASSEMBLY AND POLE, STEEL
-  EXISTING HANDHOLE
-  EXISTING HEAVY DUTY HANDHOLE
-  EXISTING DOUBLE HANDHOLE
-  EXISTING LUMINAIRE
-  EXISTING UNINTERRUPTIBLE POWER SUPPLY



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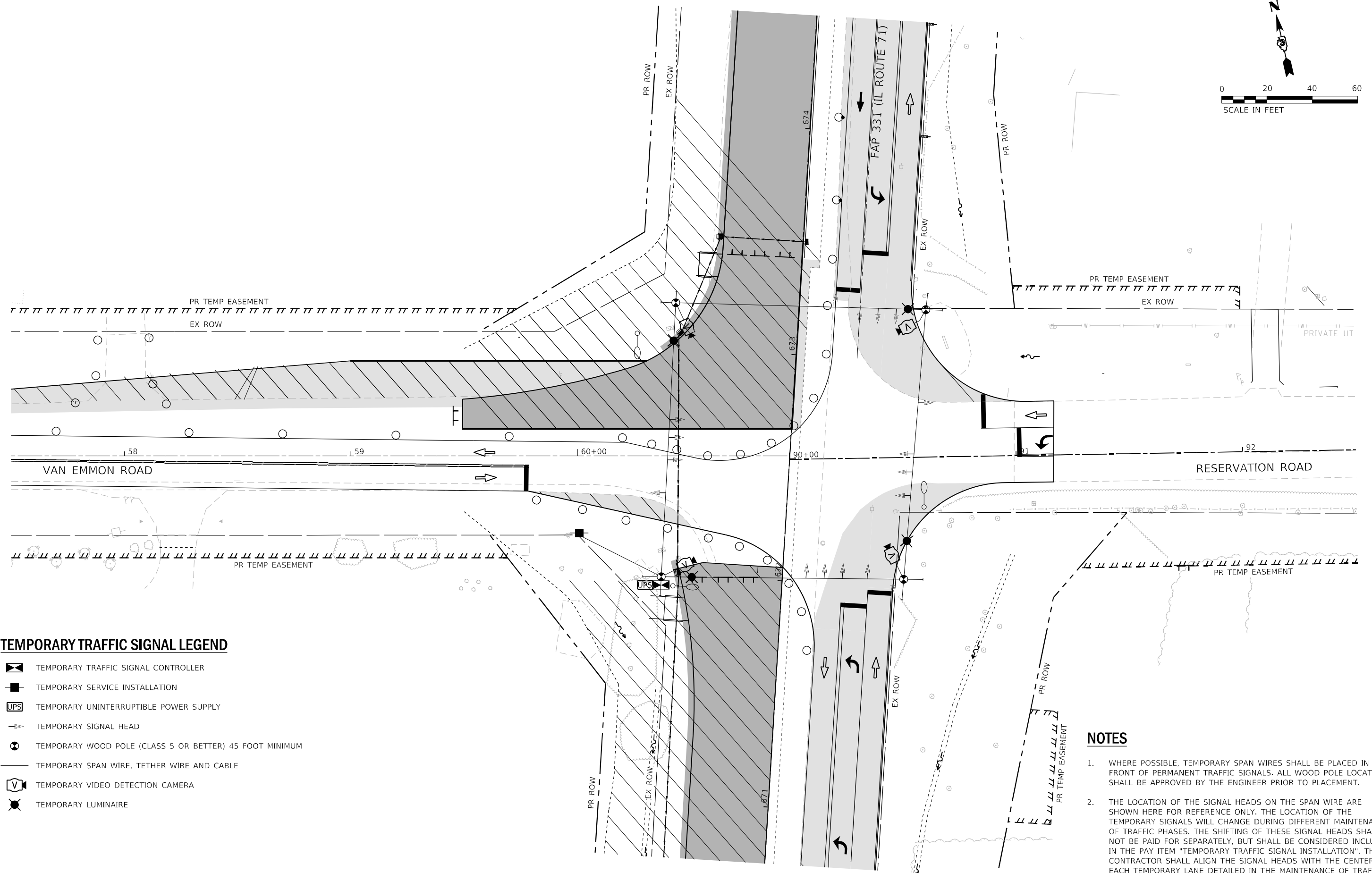
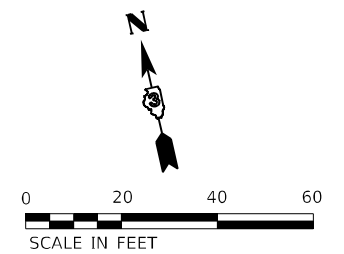
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**









**TEMPORARY TRAFFIC SIGNAL AND EXISTING REMOVAL PLAN
IL 71 AT VAN EMMON ROAD /RESERVATION ROAD
STAGE 1**

SCALE: 1" = 20' SHEET 8 OF 21 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R, BR1	KENDALL	847	649
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				



TEMPORARY TRAFFIC SIGNAL LEGEND

-  TEMPORARY TRAFFIC SIGNAL CONTROLLER
-  TEMPORARY SERVICE INSTALLATION
-  TEMPORARY UNINTERRUPTIBLE POWER SUPPLY
-  TEMPORARY SIGNAL HEAD
-  TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT MINIMUM
-  TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
-  TEMPORARY VIDEO DETECTION CAMERA
-  TEMPORARY LUMINAIRE

NOTES

1. WHERE POSSIBLE, TEMPORARY SPAN WIRES SHALL BE PLACED IN FRONT OF PERMANENT TRAFFIC SIGNALS. ALL WOOD POLE LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT.
2. THE LOCATION OF THE SIGNAL HEADS ON THE SPAN WIRE ARE SHOWN HERE FOR REFERENCE ONLY. THE LOCATION OF THE TEMPORARY SIGNALS WILL CHANGE DURING DIFFERENT MAINTENANCE OF TRAFFIC PHASES. THE SHIFTING OF THESE SIGNAL HEADS SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE PAY ITEM "TEMPORARY TRAFFIC SIGNAL INSTALLATION". THE CONTRACTOR SHALL ALIGN THE SIGNAL HEADS WITH THE CENTER OF EACH TEMPORARY LANE DETAILED IN THE MAINTENANCE OF TRAFFIC PLANS.

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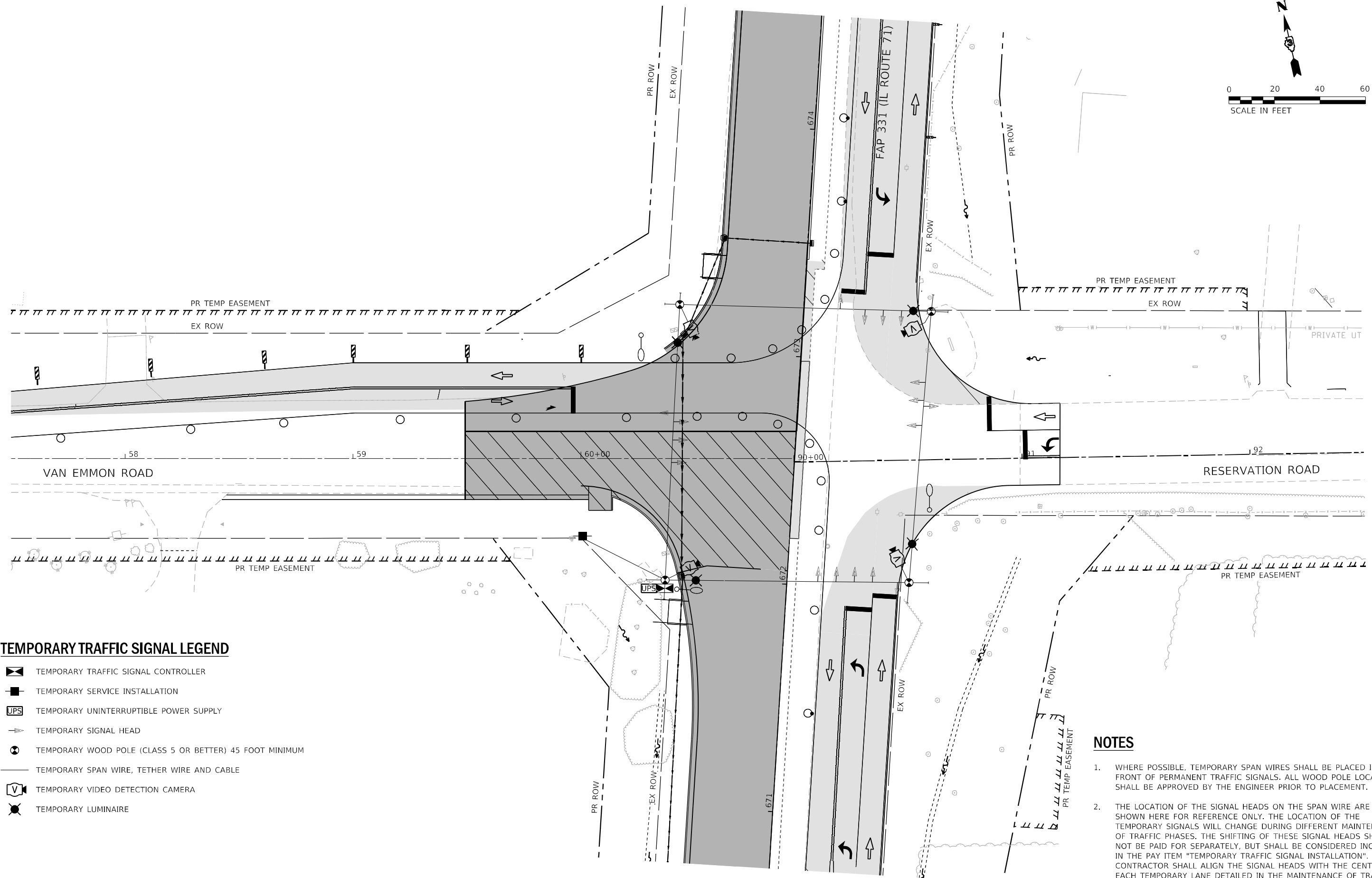
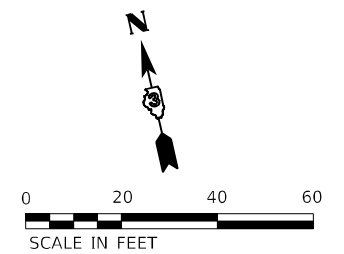
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**









**TEMPORARY TRAFFIC SIGNAL PLAN
IL 71 AT VAN EMMON ROAD /RESERVATION ROAD
STAGE 2A**

SCALE: 1" = 20' SHEET 9 OF 21 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R, BR1	KENDALL	847	650
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				



TEMPORARY TRAFFIC SIGNAL LEGEND

-  TEMPORARY TRAFFIC SIGNAL CONTROLLER
-  TEMPORARY SERVICE INSTALLATION
-  TEMPORARY UNINTERRUPTIBLE POWER SUPPLY
-  TEMPORARY SIGNAL HEAD
-  TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT MINIMUM
-  TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
-  TEMPORARY VIDEO DETECTION CAMERA
-  TEMPORARY LUMINAIRE

NOTES

1. WHERE POSSIBLE, TEMPORARY SPAN WIRES SHALL BE PLACED IN FRONT OF PERMANENT TRAFFIC SIGNALS. ALL WOOD POLE LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT.
2. THE LOCATION OF THE SIGNAL HEADS ON THE SPAN WIRE ARE SHOWN HERE FOR REFERENCE ONLY. THE LOCATION OF THE TEMPORARY SIGNALS WILL CHANGE DURING DIFFERENT MAINTENANCE OF TRAFFIC PHASES. THE SHIFTING OF THESE SIGNAL HEADS SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE PAY ITEM "TEMPORARY TRAFFIC SIGNAL INSTALLATION". THE CONTRACTOR SHALL ALIGN THE SIGNAL HEADS WITH THE CENTER OF EACH TEMPORARY LANE DETAILED IN THE MAINTENANCE OF TRAFFIC PLANS.

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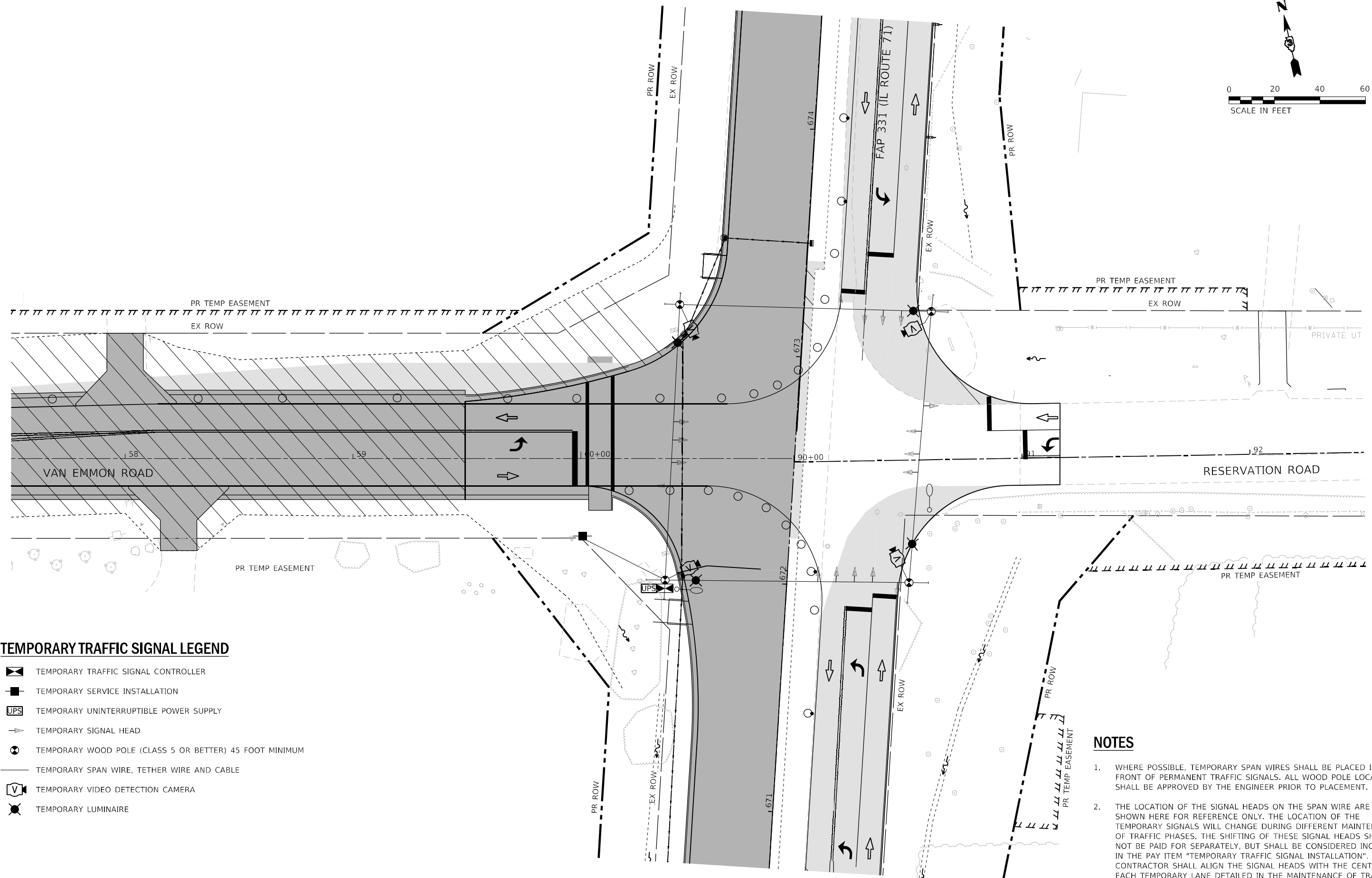
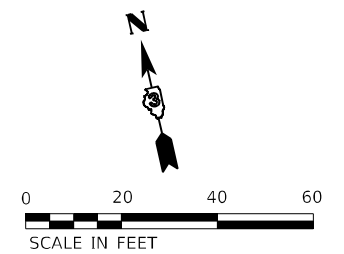
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION









TEMPORARY TRAFFIC SIGNAL PLAN
IL 71 AT VAN EMMON ROAD /RESERVATION ROAD
STAGE 2B

SCALE: 1" = 20' SHEET 10 OF 21 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R, BR1	KENDALL	847	651
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				



TEMPORARY TRAFFIC SIGNAL LEGEND

-  TEMPORARY TRAFFIC SIGNAL CONTROLLER
-  TEMPORARY SERVICE INSTALLATION
-  TEMPORARY UNINTERRUPTIBLE POWER SUPPLY
-  TEMPORARY SIGNAL HEAD
-  TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT MINIMUM
-  TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
-  TEMPORARY VIDEO DETECTION CAMERA
-  TEMPORARY LUMINAIRE

NOTES

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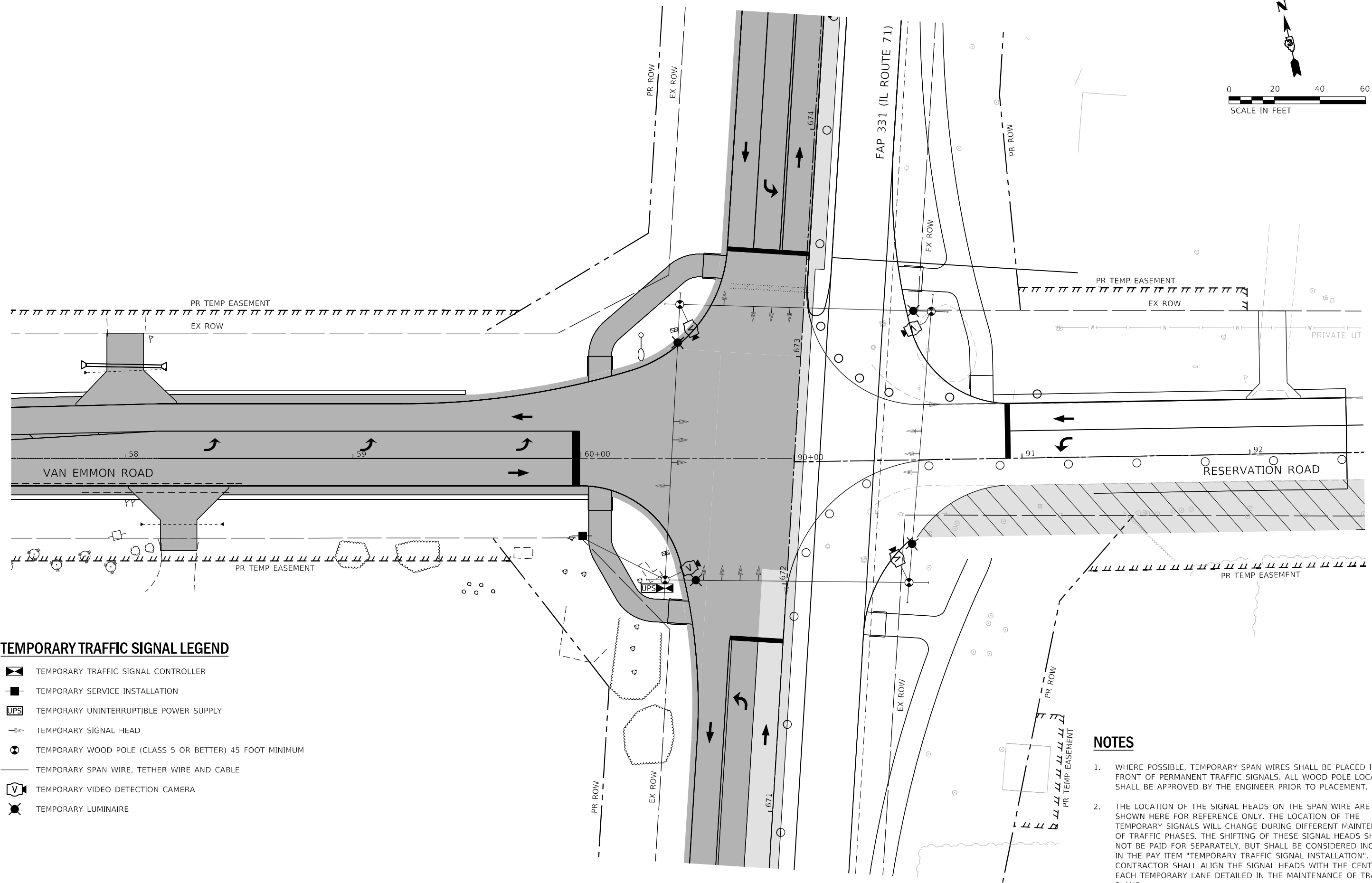
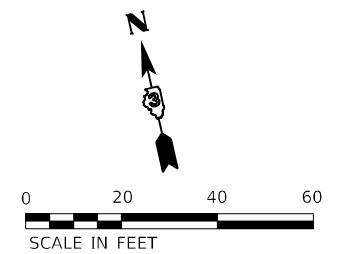


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




**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY TRAFFIC SIGNAL PLAN
IL 71 AT VAN EMMON ROAD /RESERVATION ROAD
STAGE 2C
 SCALE: 1" = 20' SHEET 11 OF 21 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R, BR1	KENDALL	847	652
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				



TEMPORARY TRAFFIC SIGNAL LEGEND

-  TEMPORARY TRAFFIC SIGNAL CONTROLLER
-  TEMPORARY SERVICE INSTALLATION
-  TEMPORARY UNINTERRUPTIBLE POWER SUPPLY
-  TEMPORARY SIGNAL HEAD
-  TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT MINIMUM
-  TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
-  TEMPORARY VIDEO DETECTION CAMERA
-  TEMPORARY LUMINAIRE

NOTES

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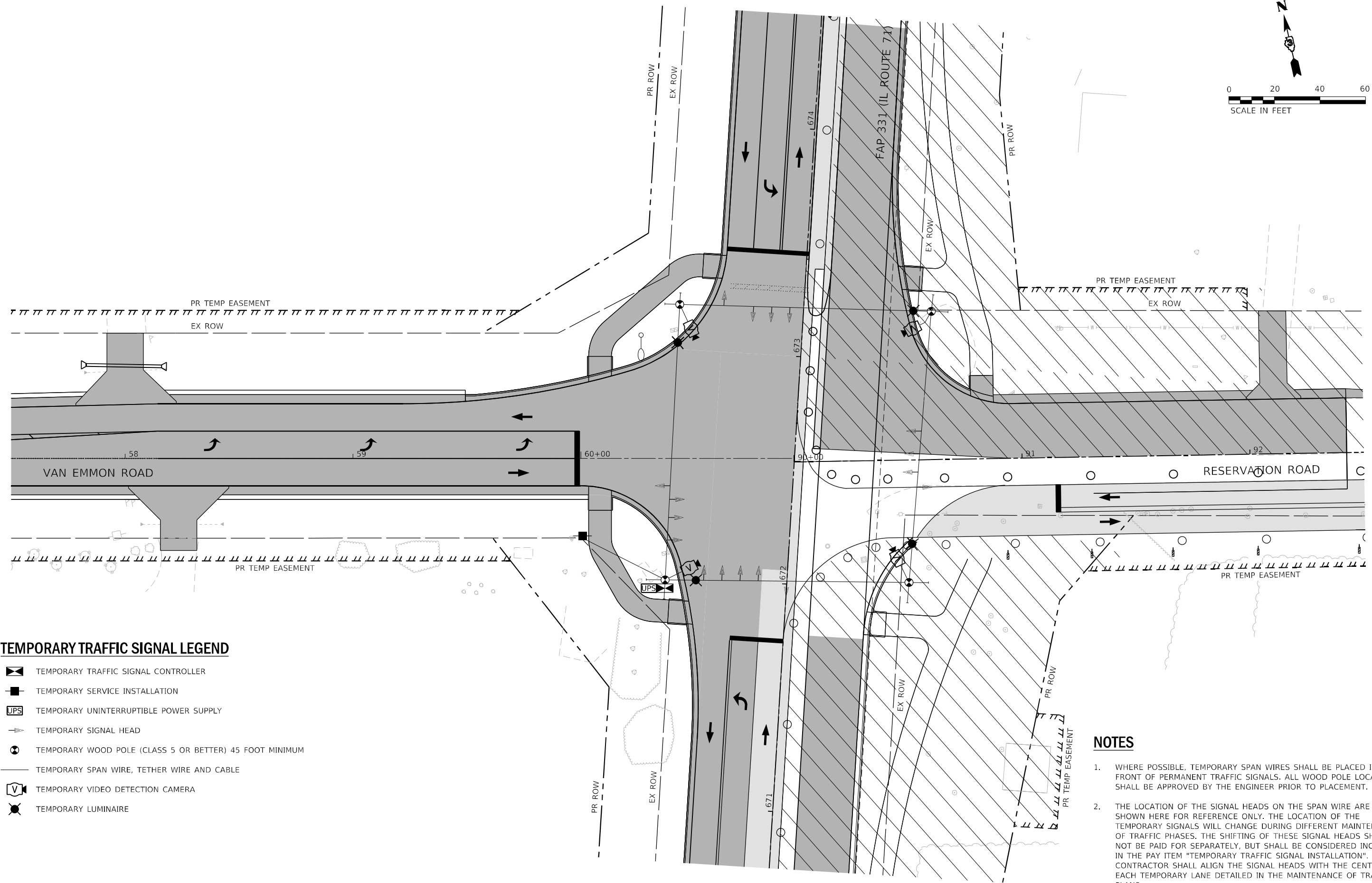
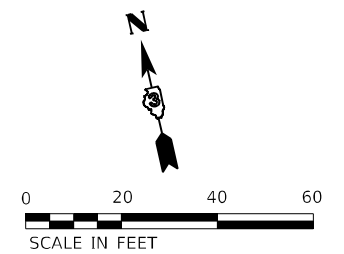
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION









TEMPORARY TRAFFIC SIGNAL PLAN
IL 71 AT VAN EMMON ROAD /RESERVATION ROAD
STAGE 3A

SCALE: 1" = 20' SHEET 12 OF 21 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R, BR1	KENDALL	847	653
			CONTRACT NO. 66D26	
ILLINOIS FED. AID PROJECT				



TEMPORARY TRAFFIC SIGNAL LEGEND

-  TEMPORARY TRAFFIC SIGNAL CONTROLLER
-  TEMPORARY SERVICE INSTALLATION
-  TEMPORARY UNINTERRUPTIBLE POWER SUPPLY
-  TEMPORARY SIGNAL HEAD
-  TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT MINIMUM
-  TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
-  TEMPORARY VIDEO DETECTION CAMERA
-  TEMPORARY LUMINAIRE

NOTES

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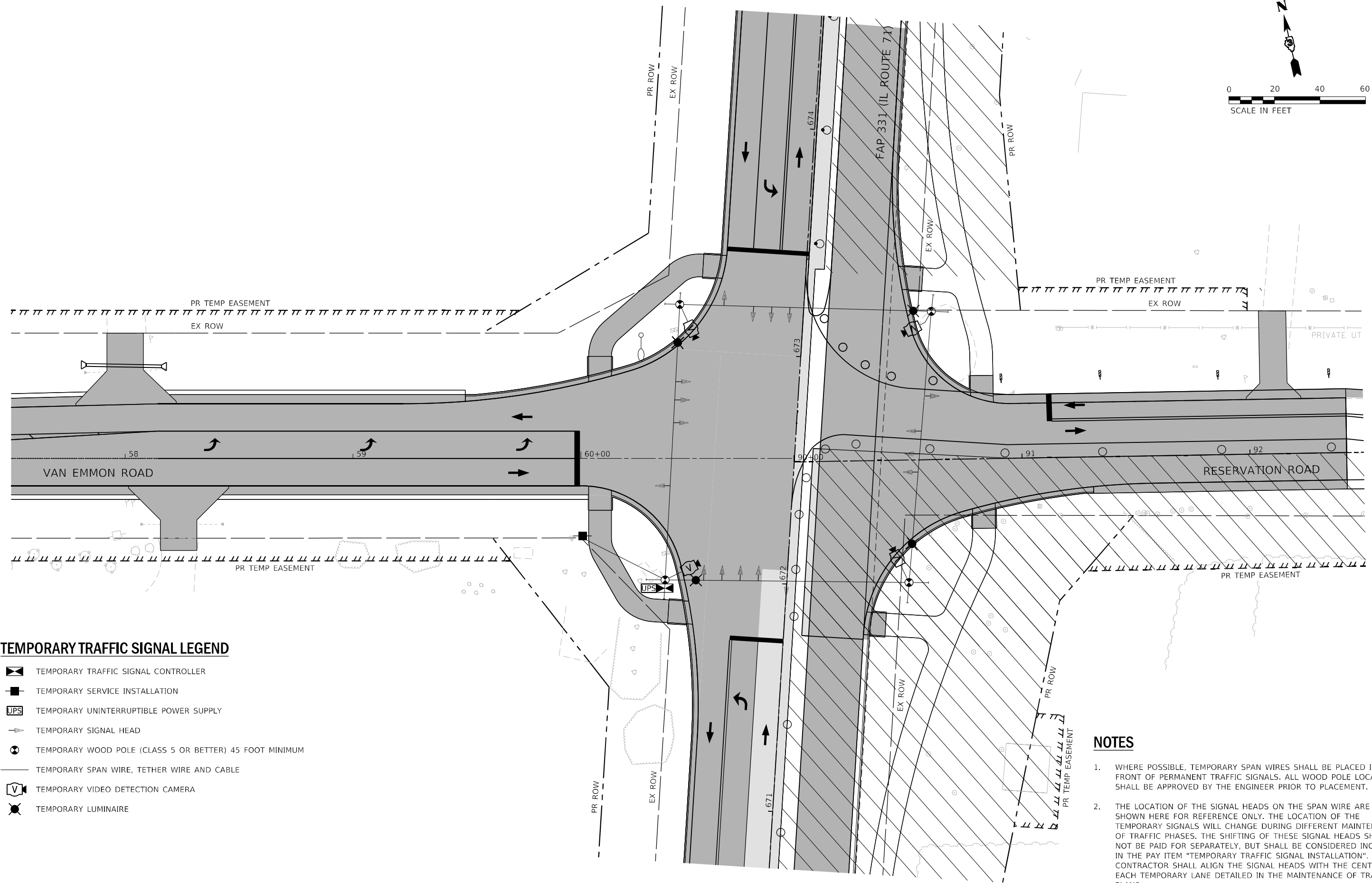
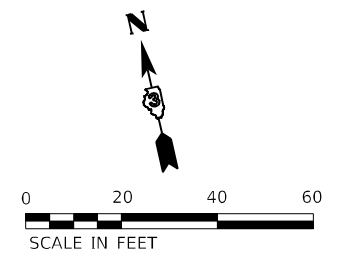
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION









TEMPORARY TRAFFIC SIGNAL PLAN
IL 71 AT VAN EMMON ROAD /RESERVATION ROAD
STAGE 3B

SCALE: 1" = 20' SHEET 13 OF 21 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R, BR1	KENDALL	847	654
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				



TEMPORARY TRAFFIC SIGNAL LEGEND

-  TEMPORARY TRAFFIC SIGNAL CONTROLLER
-  TEMPORARY SERVICE INSTALLATION
-  TEMPORARY UNINTERRUPTIBLE POWER SUPPLY
-  TEMPORARY SIGNAL HEAD
-  TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT MINIMUM
-  TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
-  TEMPORARY VIDEO DETECTION CAMERA
-  TEMPORARY LUMINAIRE

NOTES

1. WHERE POSSIBLE, TEMPORARY SPAN WIRES SHALL BE PLACED IN FRONT OF PERMANENT TRAFFIC SIGNALS. ALL WOOD POLE LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT.
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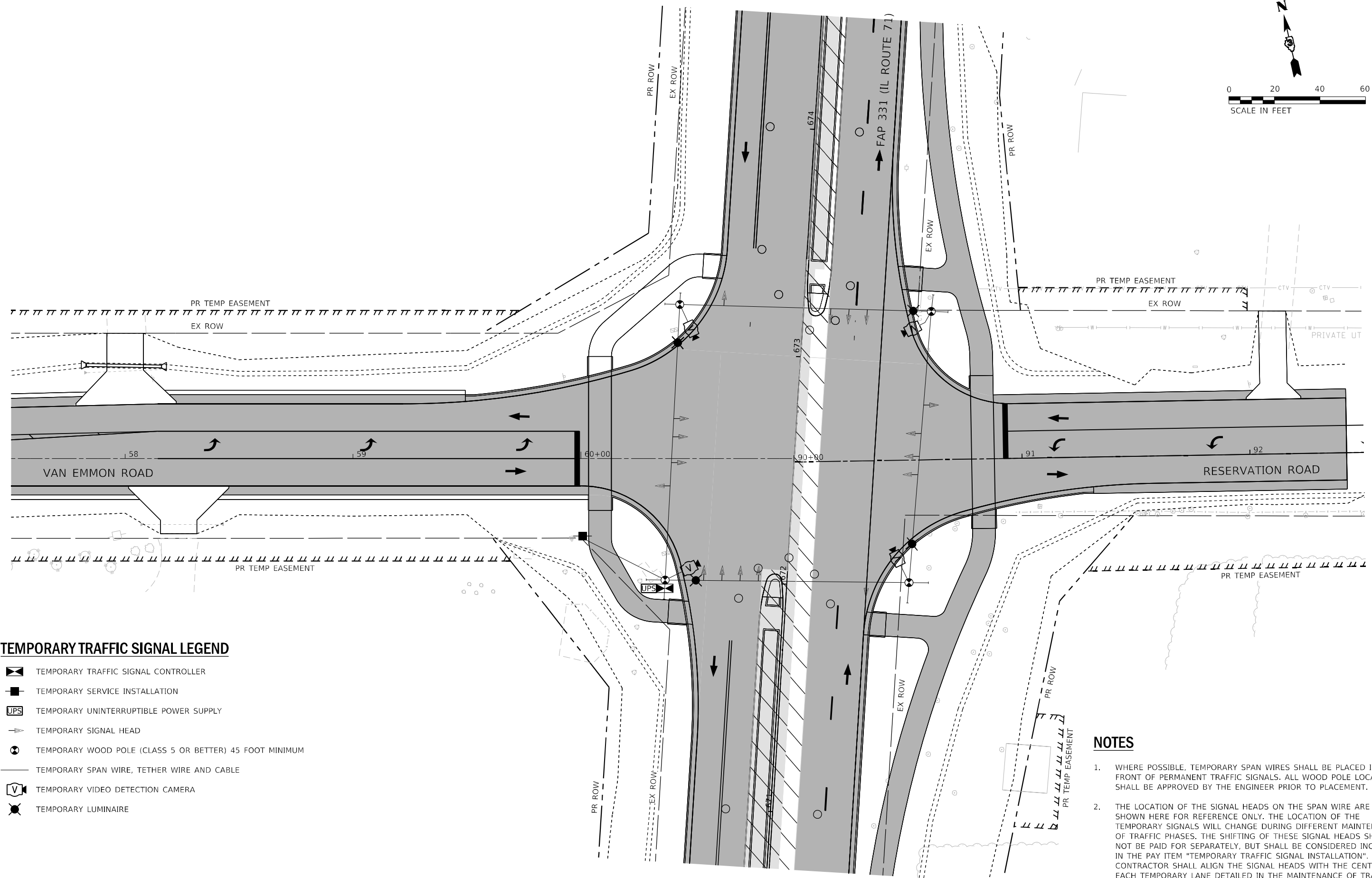
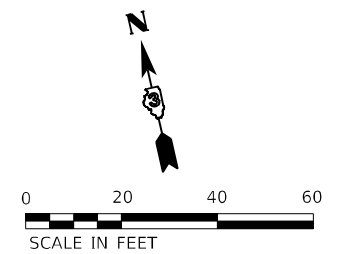
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION









TEMPORARY TRAFFIC SIGNAL PLAN
IL 71 AT VAN EMMON ROAD /RESERVATION ROAD
STAGE 3C

SCALE: 1" = 20' SHEET 14 OF 21 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R, BR1	KENDALL	847	655
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				



TEMPORARY TRAFFIC SIGNAL LEGEND

-  TEMPORARY TRAFFIC SIGNAL CONTROLLER
-  TEMPORARY SERVICE INSTALLATION
-  TEMPORARY UNINTERRUPTIBLE POWER SUPPLY
-  TEMPORARY SIGNAL HEAD
-  TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT MINIMUM
-  TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
-  TEMPORARY VIDEO DETECTION CAMERA
-  TEMPORARY LUMINAIRE

NOTES

1. WHERE POSSIBLE, TEMPORARY SPAN WIRES SHALL BE PLACED IN FRONT OF PERMANENT TRAFFIC SIGNALS. ALL WOOD POLE LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT.
2. THE LOCATION OF THE SIGNAL HEADS ON THE SPAN WIRE ARE SHOWN HERE FOR REFERENCE ONLY. THE LOCATION OF THE TEMPORARY SIGNALS WILL CHANGE DURING DIFFERENT MAINTENANCE OF TRAFFIC PHASES. THE SHIFTING OF THESE SIGNAL HEADS SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE PAY ITEM "TEMPORARY TRAFFIC SIGNAL INSTALLATION". THE CONTRACTOR SHALL ALIGN THE SIGNAL HEADS WITH THE CENTER OF EACH TEMPORARY LANE DETAILED IN THE MAINTENANCE OF TRAFFIC PLANS.

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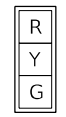






STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL PLAN
IL 71 AT VAN EMMON ROAD /RESERVATION ROAD
STAGE 4

SCALE: 1" = 20' SHEET 15 OF 21 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R, BR1	KENDALL	847	656
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				

TEMPORARY CABLE DIAGRAM LEGEND

-  TEMPORARY TRAFFIC SIGNAL CONTROLLER CABINET
-  TEMPORARY UNINTERRUPTIBLE POWER SUPPLY
-  TEMPORARY SERVICE INSTALLATION
-  TEMPORARY TRAFFIC SIGNAL HEAD WITH BACKPLATE
-  DENOTES NUMBER OF CONDUCTORS
-  TEMPORARY LUMINAIRE
-  TEMPORARY VIDEO DETECTION SYSTEM
-  VIDEO CAMERA CABLE
6 PAIRS, TWISTED REQUIRED
3 PAIRS CONDUCTOR FOR POWER - 24V AC (AC+, AC-, GND)
1 PAIR DATA
1 PAIR COMPOSITE VIDEO
1 PAIR DETECTOR DATA
OVERALL SHIELD MINIMUM 16 AWG (PAIRS)
-  SERVICE CABLE
ELECTRICAL CABLE IN CONDUIT, SERVICE, NO. 6 2C
-  LIGHTING CABLE
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND DELIVERED BY THE CONTRACTOR TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION HEADQUARTERS AT

700 E. NORRIS DRIVE, OTTAWA IL.
CONTACT: JON WOODYER
PHONE: (815) 434-8506

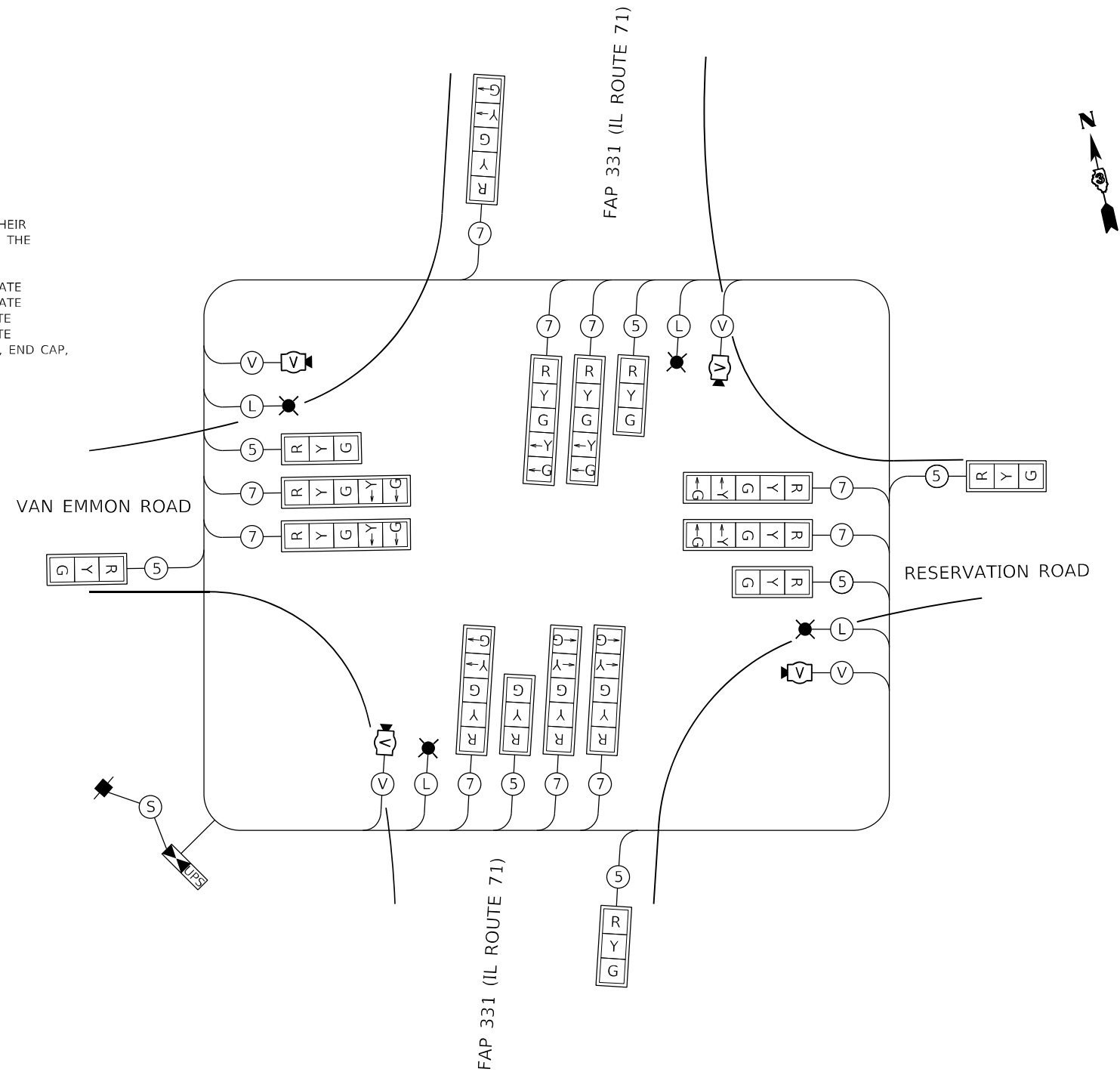
- 1 EACH TRAFFIC SIGNAL CABINET AND ALL COMPONENTS
- 4 EACH TRAFFIC SIGNAL POST A BASES AND DOORS
- 8 EACH HANDHOLE COVERS
- 4 EACH MAST ARM CAP & END CAP, HANDHOLE DOOR & NUT COVER

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 4 EACH SIGNAL HEAD, 1-FACE, 3 SECTION, MAST ARM MOUNTED, WITH BACKPLATE
- 5 EACH SIGNAL HEAD, 1-FACE, 5 SECTION, MAST ARM MOUNTED, WITH BACKPLATE
- 1 EACH SIGNAL HEAD, 1-FACE, 3 SECTION, BRACKET MOUNTED, WITH BACKPLATE
- 5 EACH SIGNAL HEAD, 1-FACE, 5 SECTION, BRACKET MOUNTED, WITH BACKPLATE
- 4 EACH COMBINATION STEEL MAST ARM ASSEMBLY AND POLE (EXCLUDING CAP, END CAP, HANDHOLE DOOR, AND NUT COVER)
- 4 EACH TRAFFIC SIGNAL POST (EXCLUDING A BASE AND DOOR)
- 4 EACH LUMINAIRE
- 1 EACH SERVICE INSTALLATION
- ALL CONDUIT WIRES

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND DELIVERED BY THE CONTRACTOR TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION YORKVILLE MAINTENANCE YARD:

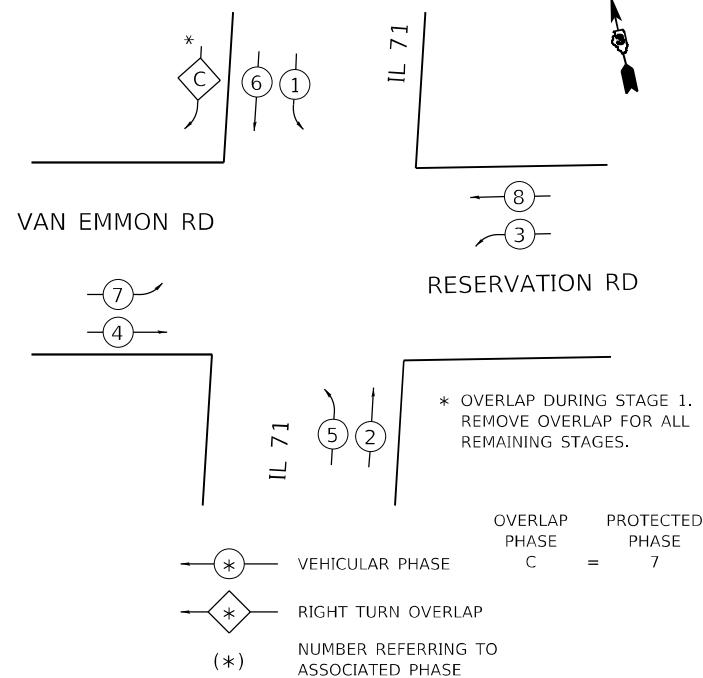
- 2 EACH FLASHING BEACON AND SERVICE



TEMPORARY CABLE DIAGRAM

NOT TO SCALE

CONTROLLER SEQUENCE



PHASE DESIGNATION SEQUENCE - STAGE 1

NOTES

1. DURING MAINTENANCE OF TRAFFIC STAGES THAT DO NOT REQUIRE A PROTECTED LEFT TURN PHASE OR PROTECTED RIGHT TURN PHASE, THE ASSOCIATED LEFT TURN OR RIGHT TURN ARROW SECTIONS SHALL BE DISABLED AND APPROPRIATELY BAGGED.
2. FOR SPLIT PHASE TIMING ON SIDE ROADS, THE YELLOW ARROW TIME SHALL BE THE SAME LENGTH OF TIME AS THE YELLOW BALL TIME.

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PLOT DATE = 2/9/2022	CHECKED - NLS	REVISED -
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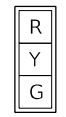






STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

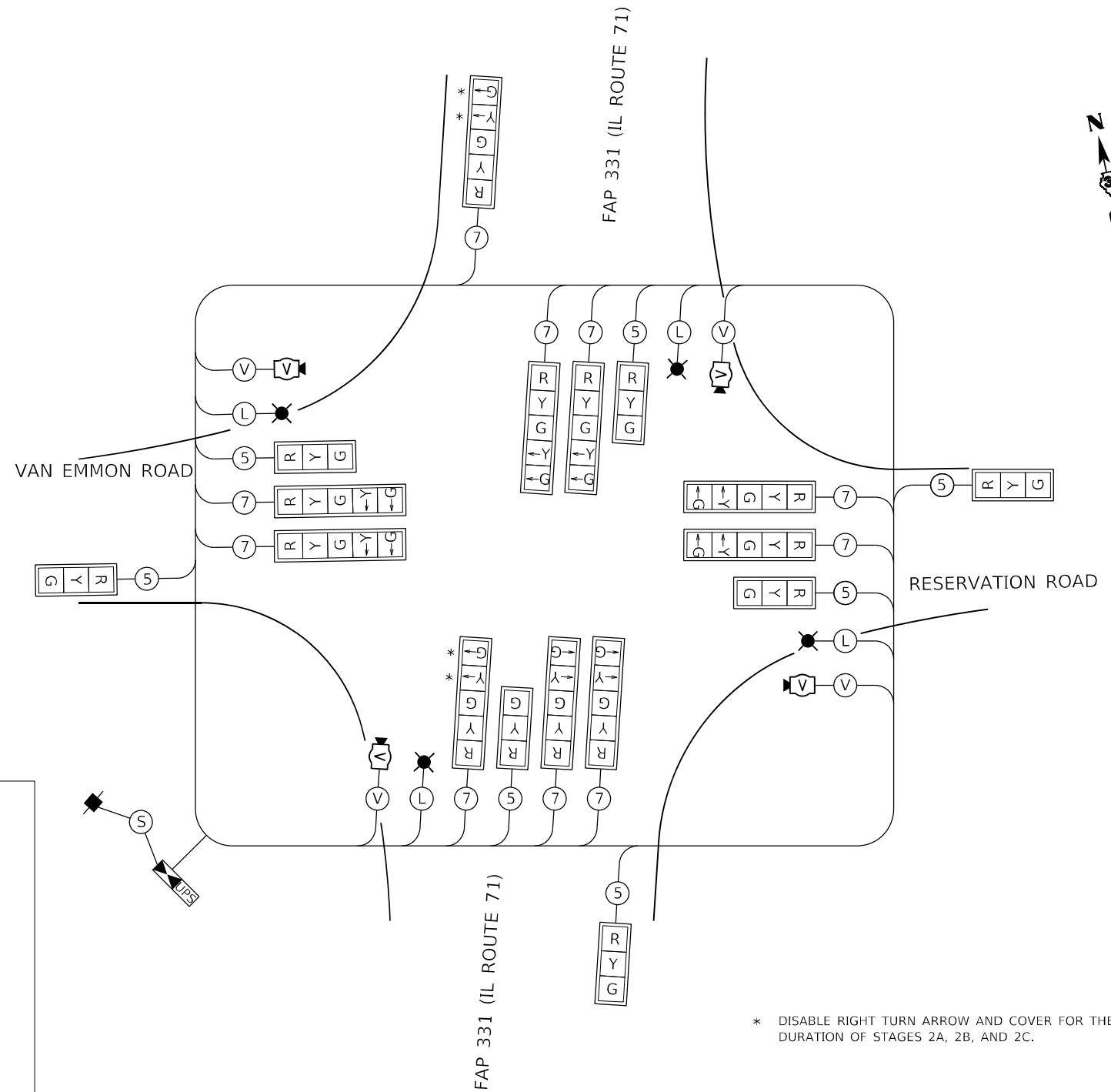
TEMPORARY TRAFFIC SIGNAL CABLE PLAN
IL 71 AT VAN EMMON ROAD /RESERVATION ROAD
STAGE 1

SCALE: NONE SHEET 16 OF 21 SHEETS STA. TO STA.

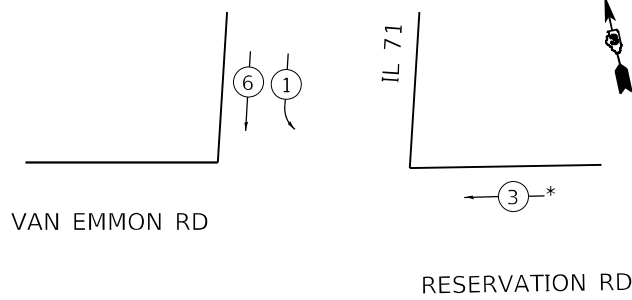
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R, BR1	KENDALL	847	657
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				



TEMPORARY CABLE DIAGRAM LEGEND

-  TEMPORARY TRAFFIC SIGNAL CONTROLLER CABINET
-  TEMPORARY UNINTERRUPTIBLE POWER SUPPLY
-  TEMPORARY SERVICE INSTALLATION
-  TEMPORARY TRAFFIC SIGNAL HEAD WITH BACKPLATE
-  DENOTES NUMBER OF CONDUCTORS
-  TEMPORARY LUMINAIRE
-  TEMPORARY VIDEO DETECTION SYSTEM
-  VIDEO CAMERA CABLE
6 PAIRS, TWISTED REQUIRED
3 PAIRS CONDUCTOR FOR POWER
- 24V AC (AC+, AC-, GND)
1 PAIR DATA
1 PAIR COMPOSITE VIDEO
1 PAIR DETECTOR DATA
OVERALL SHIELD
MINIMUM 16 AWG (PAIRS)
-  SERVICE CABLE
ELECTRICAL CABLE IN CONDUIT, SERVICE, NO. 6 2C
-  LIGHTING CABLE
ELECTRIC CABLE IN CONDUIT, 600V
(XLP-TYPE USE) 3-1/C NO. 10



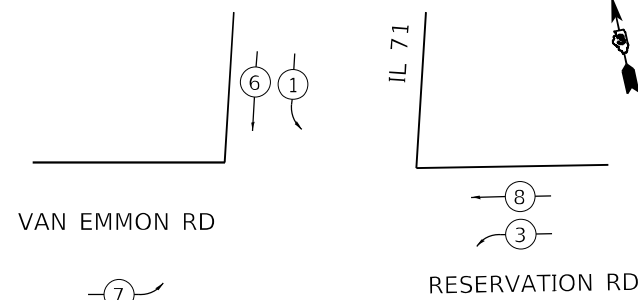
CONTROLLER SEQUENCE





-  VEHICULAR PHASE
-  RIGHT TURN OVERLAP
- (*) NUMBER REFERRING TO ASSOCIATED PHASE

PHASE DESIGNATION SEQUENCE - STAGES 2A, 2B

CONTROLLER SEQUENCE



-  VEHICULAR PHASE
-  RIGHT TURN OVERLAP
- (*) NUMBER REFERRING TO ASSOCIATED PHASE

PHASE DESIGNATION SEQUENCE - STAGE 2C

TEMPORARY CABLE DIAGRAM

NOT TO SCALE

* DISABLE RIGHT TURN ARROW AND COVER FOR THE DURATION OF STAGES 2A, 2B, AND 2C.

NOTES

1. DURING MAINTENANCE OF TRAFFIC STAGES THAT DO NOT REQUIRE A PROTECTED LEFT TURN PHASE OR PROTECTED RIGHT TURN PHASE, THE ASSOCIATED LEFT TURN OR RIGHT TURN ARROW SECTIONS SHALL BE DISABLED AND APPROPRIATELY BAGGED.
2. FOR SPLIT PHASE TIMING ON SIDE ROADS, THE YELLOW ARROW TIME SHALL BE THE SAME LENGTH OF TIME AS THE YELLOW BALL TIME.

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DESIGNED - JB
DRAWN - JB
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CHECKED -
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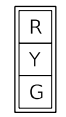






STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

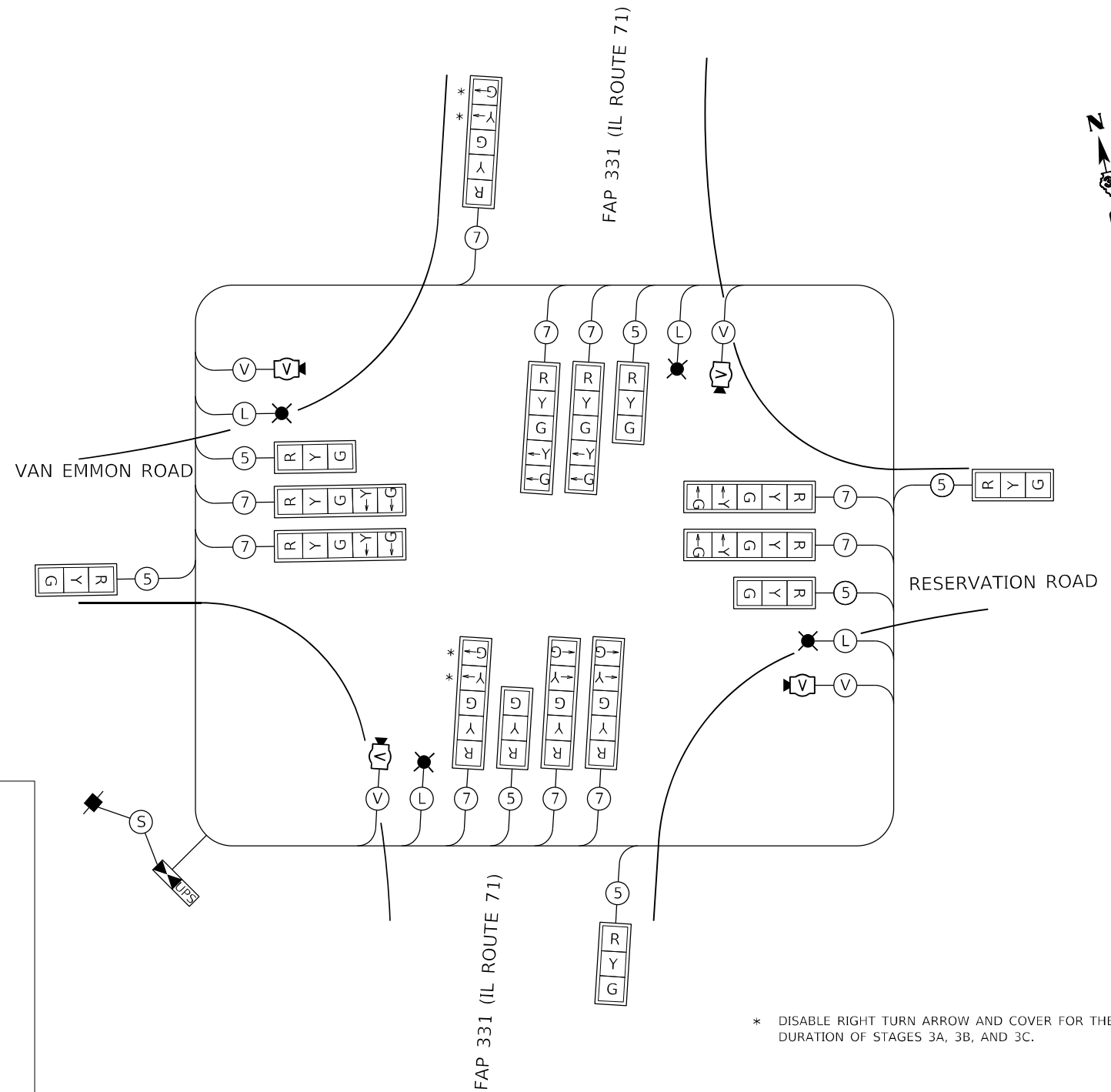
TEMPORARY TRAFFIC SIGNAL CABLE PLAN
IL 71 AT VAN EMMON ROAD /RESERVATION ROAD
STAGES 2A, 2B, 2C

SCALE: NONE SHEET 17 OF 21 SHEETS STA. TO STA.

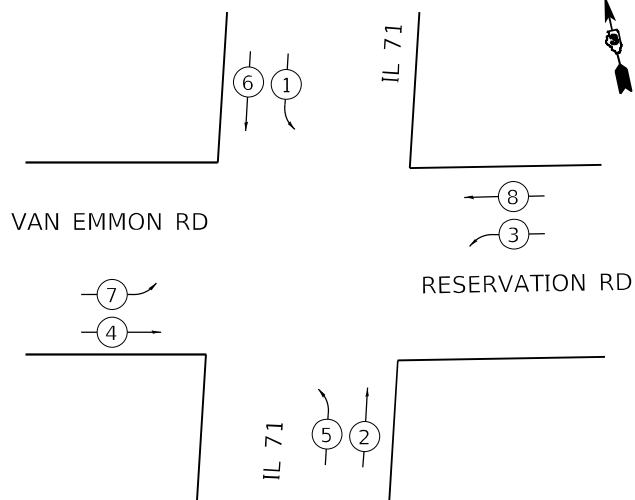
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				



TEMPORARY CABLE DIAGRAM LEGEND

-  TEMPORARY TRAFFIC SIGNAL CONTROLLER CABINET
-  TEMPORARY UNINTERRUPTIBLE POWER SUPPLY
-  TEMPORARY SERVICE INSTALLATION
-  TEMPORARY TRAFFIC SIGNAL HEAD WITH BACKPLATE
-  DENOTES NUMBER OF CONDUCTORS
-  TEMPORARY LUMINAIRE
-  TEMPORARY VIDEO DETECTION SYSTEM
-  VIDEO CAMERA CABLE
6 PAIRS, TWISTED REQUIRED
3 PAIRS CONDUCTOR FOR POWER
- 24V AC (AC+, AC-, GND)
1 PAIR DATA
1 PAIR COMPOSITE VIDEO
1 PAIR DETECTOR DATA
OVERALL SHIELD
MINIMUM 16 AWG (PAIRS)
-  SERVICE CABLE
ELECTRICAL CABLE IN CONDUIT, SERVICE, NO. 6 2C
-  LIGHTING CABLE
ELECTRIC CABLE IN CONDUIT, 600V
(XLP-TYPE USE) 3-1/2 NO. 10



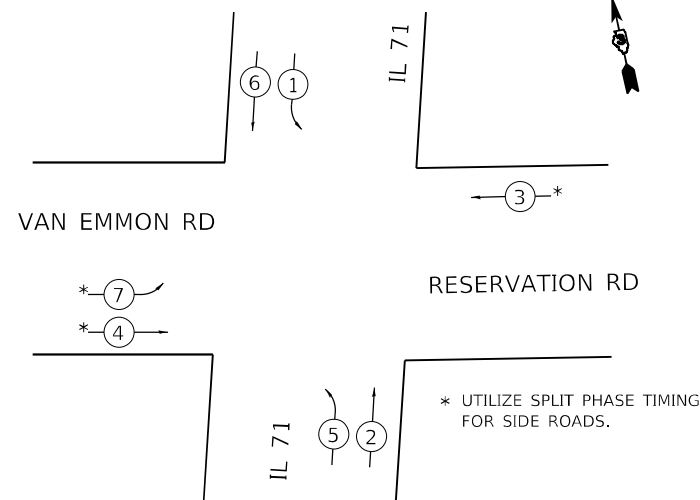
CONTROLLER SEQUENCE





-  VEHICULAR PHASE
-  RIGHT TURN OVERLAP
- (*) NUMBER REFERRING TO ASSOCIATED PHASE

PHASE DESIGNATION SEQUENCE - STAGE 3A

CONTROLLER SEQUENCE



-  VEHICULAR PHASE
-  RIGHT TURN OVERLAP
- (*) NUMBER REFERRING TO ASSOCIATED PHASE

PHASE DESIGNATION SEQUENCE - STAGES 3B, 3C

TEMPORARY CABLE DIAGRAM

NOT TO SCALE

* DISABLE RIGHT TURN ARROW AND COVER FOR THE DURATION OF STAGES 3A, 3B, AND 3C.

NOTES

1. DURING MAINTENANCE OF TRAFFIC STAGES THAT DO NOT REQUIRE A PROTECTED LEFT TURN PHASE OR PROTECTED RIGHT TURN PHASE, THE ASSOCIATED LEFT TURN OR RIGHT TURN ARROW SECTIONS SHALL BE DISABLED AND APPROPRIATELY BAGGED.
2. FOR SPLIT PHASE TIMING ON SIDE ROADS, THE YELLOW ARROW TIME SHALL BE THE SAME LENGTH OF TIME AS THE YELLOW BALL TIME.

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DESIGNED - JB
DRAWN - JB
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CHECKED -
DATE = 2/9/2022

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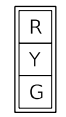






STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

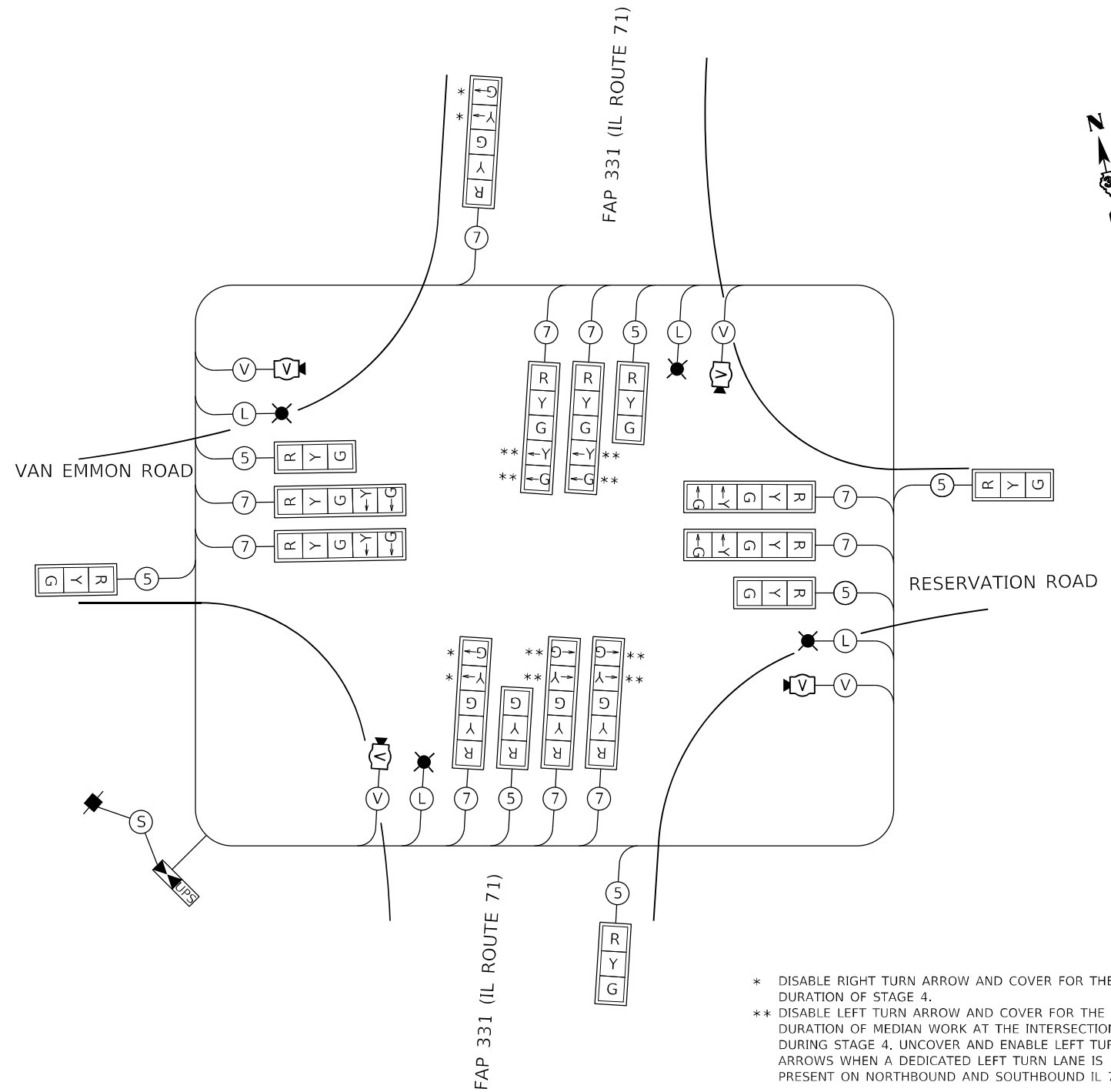
TEMPORARY TRAFFIC SIGNAL CABLE PLAN
IL 71 AT VAN EMMON ROAD /RESERVATION ROAD
STAGES 3A, 3B, 3C

SCALE: NONE SHEET 18 OF 21 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R, BR1	KENDALL	847	659
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				

TEMPORARY CABLE DIAGRAM LEGEND

-  TEMPORARY TRAFFIC SIGNAL CONTROLLER CABINET
-  TEMPORARY UNINTERRUPTIBLE POWER SUPPLY
-  TEMPORARY SERVICE INSTALLATION
-  TEMPORARY TRAFFIC SIGNAL HEAD WITH BACKPLATE
-  DENOTES NUMBER OF CONDUCTORS
-  TEMPORARY LUMINAIRE
-  TEMPORARY VIDEO DETECTION SYSTEM
-  VIDEO CAMERA CABLE
6 PAIRS, TWISTED REQUIRED
3 PAIRS CONDUCTOR FOR POWER
- 24V AC (AC+, AC-, GND)
1 PAIR DATA
1 PAIR COMPOSITE VIDEO
1 PAIR DETECTOR DATA
OVERALL SHIELD
MINIMUM 16 AWG (PAIRS)
-  SERVICE CABLE
ELECTRICAL CABLE IN CONDUIT, SERVICE, NO. 6 2C
-  LIGHTING CABLE
ELECTRIC CABLE IN CONDUIT, 600V
(XLP-TYPE USE) 3-1/C NO. 10

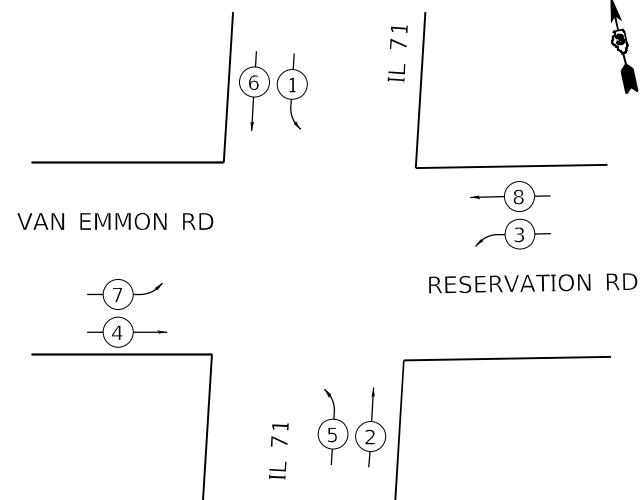




TEMPORARY CABLE DIAGRAM

NOT TO SCALE

- * DISABLE RIGHT TURN ARROW AND COVER FOR THE DURATION OF STAGE 4.
- ** DISABLE LEFT TURN ARROW AND COVER FOR THE DURATION OF MEDIAN WORK AT THE INTERSECTION DURING STAGE 4. UNCOVER AND ENABLE LEFT TURN ARROWS WHEN A DEDICATED LEFT TURN LANE IS PRESENT ON NORTHBOUND AND SOUTHBOUND IL 71.

CONTROLLER SEQUENCE



-  VEHICULAR PHASE
-  RIGHT TURN OVERLAP
- (*) NUMBER REFERRING TO ASSOCIATED PHASE

PHASE DESIGNATION SEQUENCE - STAGE 4

NOTES

1. DURING MAINTENANCE OF TRAFFIC STAGES THAT DO NOT REQUIRE A PROTECTED LEFT TURN PHASE OR PROTECTED RIGHT TURN PHASE, THE ASSOCIATED LEFT TURN OR RIGHT TURN ARROW SECTIONS SHALL BE DISABLED AND APPROPRIATELY BAGGED.
2. FOR SPLIT PHASE TIMING ON SIDE ROADS, THE YELLOW ARROW TIME SHALL BE THE SAME LENGTH OF TIME AS THE YELLOW BALL TIME.

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USER NAME = joerge	DESIGNED - JB
PLOT SCALE = 40,0000 */ in.	DRAWN - JB
PLOT DATE = 2/9/2022	CHECKED -
	DATE -

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REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL CABLE PLAN
IL 71 AT VAN EMMON ROAD /RESERVATION ROAD
STAGE 4

SCALE: NONE SHEET 19 OF 21 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R, BR1	KENDALL	847	660
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				



Illinois Department of Transportation

Division of Highways
District #3, Ottawa

SOIL BORING LOG

Date 8/24/10

ROUTE IL 71 (FAP 311) DESCRIPTION Intersection with Van Emmon Rd & Reservation Rd, South of Oswego LOGGED BY Larry Myers

SECTION (1-1)N, TS LOCATION NW 1/4, SEC. 35, TWP. 37N, RNG. 7E

COUNTY Kendall DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

Table with columns for STRUCT. NO., BORING NO., Station, Offset, Ground Surface Elev., and soil description layers with associated depth, blow count, and SPT values.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

MODEL Path: \\...
FILE NAME: S:\projects\2013_JOBS\13-69_BFW_PFB_153_Item_38_IL_71_D3_PH_IL66D26\CADD\CADD_Sheets\0366D26-ent-Detail_15.dgn



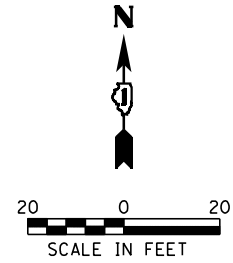
Table with columns for USER NAME, DESIGNED, DRAWN, CHECKED, DATE, REVISED, and their respective values.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

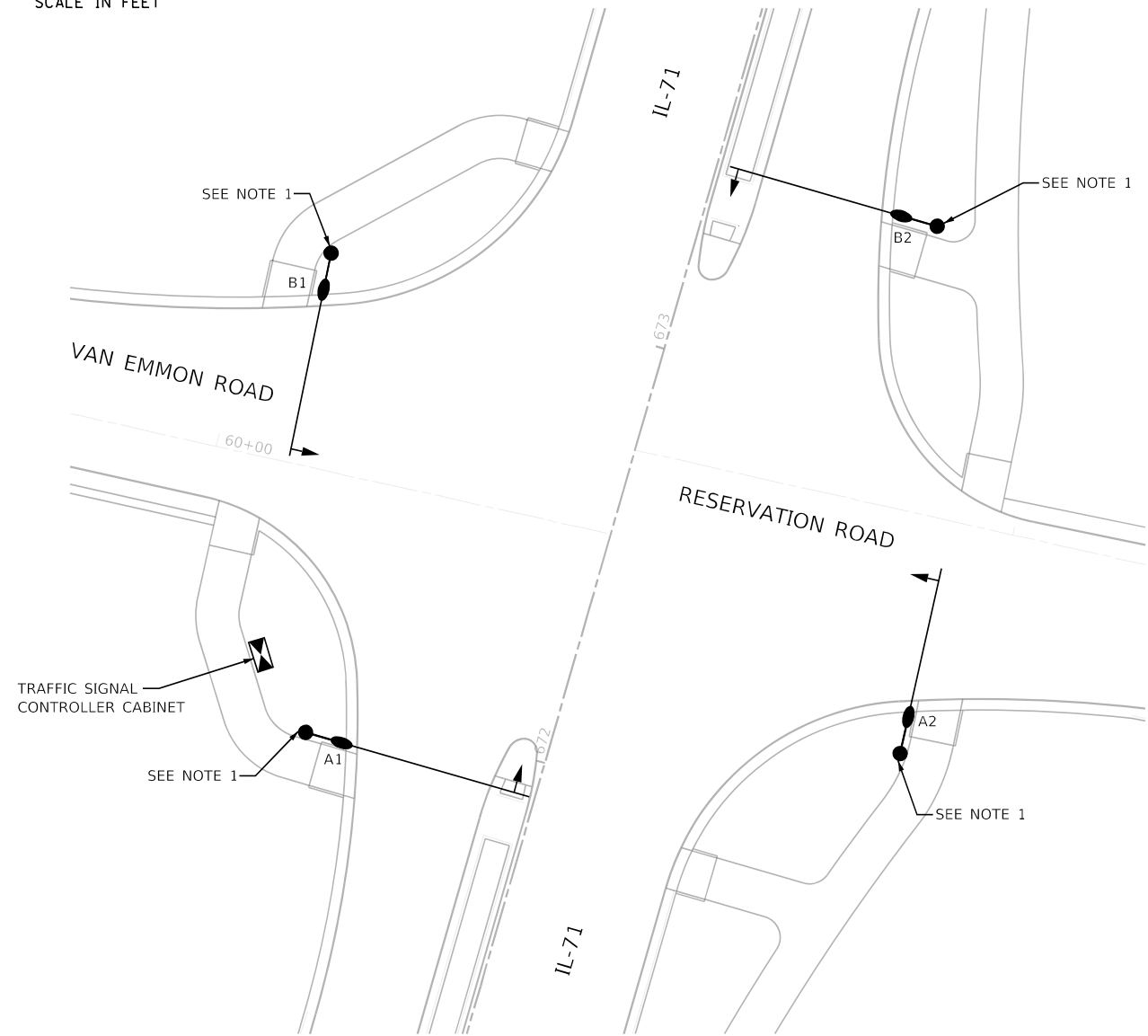
SOIL BORING LOGS

SCALE: NONE SHEET 21 OF 21 SHEETS STA. TO STA.

Table with columns for F.A.P. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., and CONTRACT NO.



SCALE IN FEET



NOTES:

1. PROVIDE ONE ROADWAY LUMINAIRE ON EACH OF THE 4 COMBINATION MAST ARM TRAFFIC SIGNAL STRUCTURES. LUMINAIRE TRUSS ARMS SHALL BE ORIENTED AS SHOWN ON THE PLANS AND AT 40-FT AFG ON 15-FT ARMS. CONNECT TO THE LIGHTING CIRCUIT BREAKERS IN THE TRAFFIC SIGNAL SIGNAL CONTROLLER CABINET.
2. PROVIDE LIGHTING CIRCUIT CONDUCTORS IN THE TRAFFIC SIGNAL UNDERGROUND RACEWAY SYSTEM. SEE TRAFFIC SIGNAL PLAN SHEET FOR UNDERGROUND CONDUITS AND HANDHOLES.

LUMINAIRE PERFORMANCE TABLE				
PROJECT				
Date	Contract Number	Section Number	County	
8/13/2021	66D26	(1-1)R, BR1	KENDALL	
Marked Route Number		Municipality		
FAP 311	IL71	OSWEGO		
ROADWAY				
Lane Width	# of Lanes	Median Width	I.E.S. Surface Class	Q-Zero Value
12'	4 TRAVELED LANE	NONE	R3	0.07
Project				
Mounting Height	Arm Length	Set-Back	Number of Luminaires (Highmast & Sign only)	
40'	15'	9'	N/A	
LUMINAIRE				
Description		I.E.S. Lateral Distribution	I.E.S. Vertical Distribution	
LUMINAIRE, LED ROADWAY, OUTPUT DESIGNATION G		TYPE 4	N/A	
Total Light Loss Factor (LLF)	B-U-G Rating	Shields	Dimming Protocol	
0.7	U0	NONE	0-10V	
LAYOUT				
Spacing (to nearest 5 ft)	Configuration (Opposite, Staggered, 1 Sided or Median)			
155	STAGGERED			
PERFORMANCE				
Average Illuminance, Eave (fc)		Uniformity Ratio Eave/Emin		
0.8		3.0		
Average Lum., Lave (cd/m2)	Uniformity Ratio, Lave/Lmin	Uniformity Ratio, Lmax/Lmin	Veiling Luminance Ratio, Lvl/Lave	
N/A	N/A	N/A	0.3	
LIGHT TRESSPASS				
Distance to ROW (behind pole)	Max. Horizontal Illuminance at ROW, Eh	Max. Vertical Illuminance at ROW, Ev		
N/A	N/A	N/A		
Notes:				
1. Set-Back is from Edge of Pavement (white line).				
2. Lighting calculations shall be performed with luminaires oriented toward and perpendicular to the roadway.				
3. LLF = LLD (0.9), LLD (0.8), and EF (0.95)				
4. Performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.				
5. Compliance with performance criteria shall be held to one significant digit.				
6. Initial lumens of the proposed luminaire may vary from the values given in Article 1067.06 of the BDE Special Provisions for Luminaire, LED.				

**LUMINAIRE PERFORMANCE TABLE
LUMINAIRE, LED ROADWAY, OUTPUT DESIGNATION G**

MODEL: D:\info\... FILE NAME: 20220210210812.00 - BEV\DOT.D3 - IL 71 Lighting\04 - Drawings\GEN\CAD_Sheets\0366D26-ct-light-plan.dwg

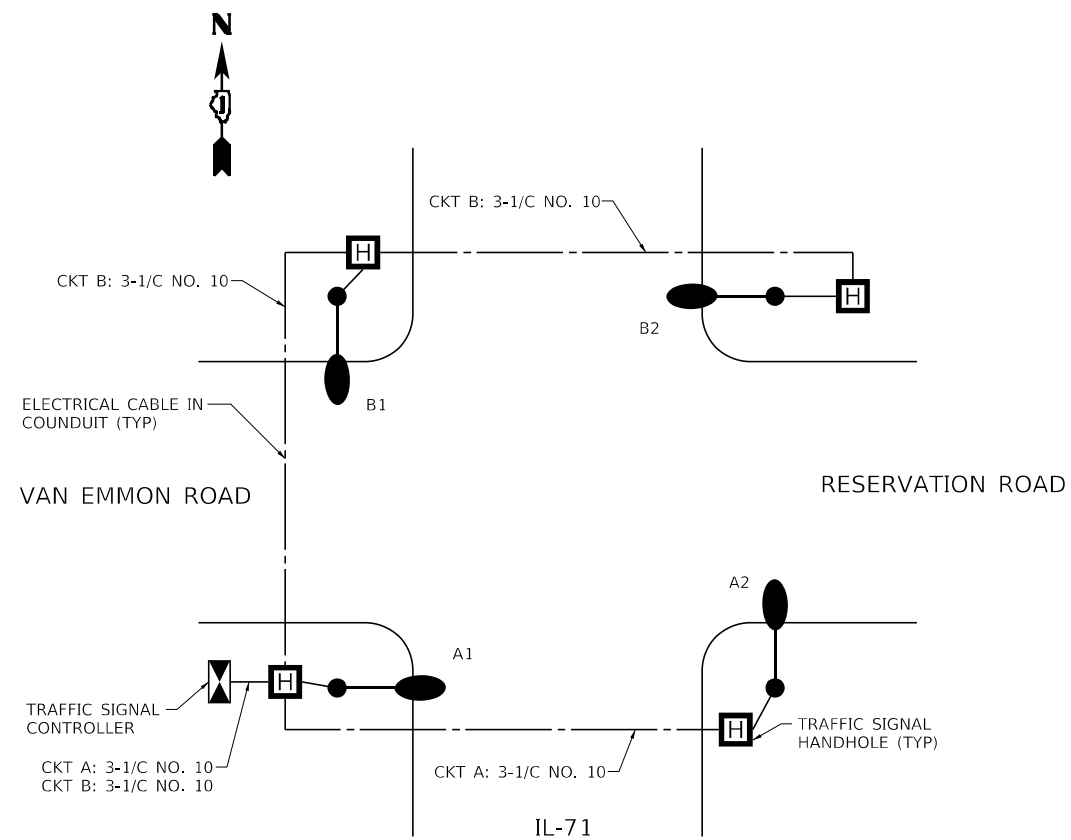


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PLOT SCALE = 40.0000 ' / in.	DRAWN - DC	REVISED -
PLOT DATE = 10/11/2021	CHECKED - TJS	REVISED -
	DATE - 8/16/21	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIGHTING PLAN AND SCHEDULES		
IL-71 AND VAN EMMON ROAD / RESERVATION ROAD		
SCALE: 1"=20'	SHEET 1 OF 2 SHEETS	STA. TO STA.

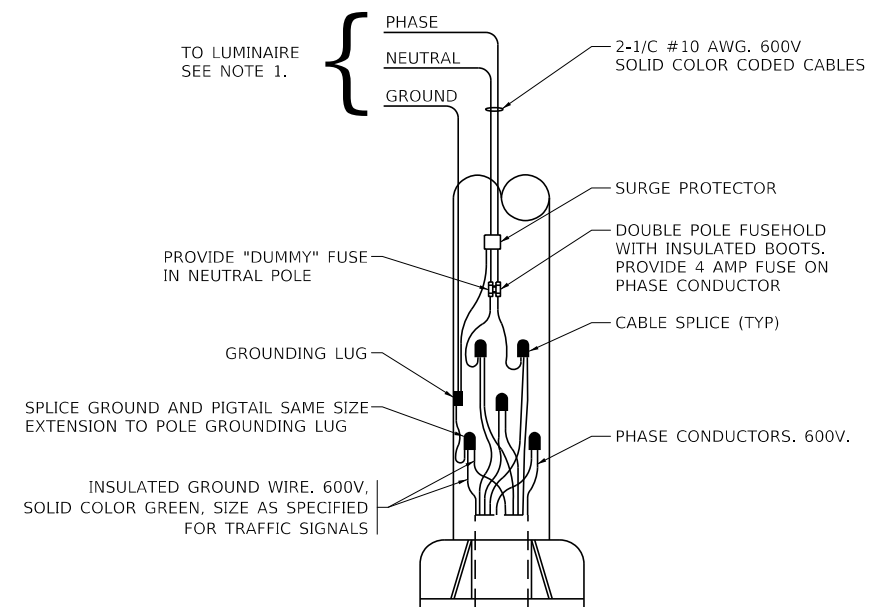
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1) R, BR1	KENDALL	847	663
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				



LIGHTING CIRCUIT DIAGRAM
(NOT TO SCALE)

NOTES:

1. PROVIDE #10 EQUIPMENT GROUND CONDUCTOR TO EACH LUMINAIRE AND CONNECT TO GROUND LUG IN POLE HANDHOLE.
2. PROVIDE A 15 AMP CIRCUIT BREAKER IN TRAFFIC SIGNAL CONTROLLER FOR CIRCUIT A AND CIRCUIT B (TWO TOTAL). SEE COMBINATION LIGHTING CONTROL WIRING DIAGRAM ON TRAFFIC SIGNAL CABLE PLAN.
3. 2 LUMINAIRES PER CIRCUIT, MAXIMUM.
4. ROUTE LIGHTING CIRCUITS IN TRAFFIC SIGNAL CONDUIT SYSTEM.
5. ALL CONTROLLERS TO HAVE TWO CIRCUIT BREAKERS.
6. ALL WIRING SHALL BE NEATLY DRESSED, IDENTIFIED BY TAGS, AND SUPPORTED. (UNDERGROUND SPLICING OF LIGHTING CONDUCTORS IS NOT PERMITTED).
7. LIGHTING CONNECTED TO UPS BYPASS CIRCUIT.
8. COMBINATION LIGHTING MUST BE INSTALLED PRIOR TO SIGNAL TURN ON.
9. LUMINAIRE VOLTAGE SHALL BE 120V.
10. SEE TRAFFIC SIGNAL PLANS FOR LIGHTING CIRCUIT CONDUCTORS FROM THE TRAFFIC SIGNAL CONTROLLER TO EACH COMBINATION POLE. CONDUCTORS SHOWN IN THIS DIAGRAM ARE FOR INFORMATION AND SHALL BE PAID BY THE ASSOCIATED TRAFFIC SIGNAL CABLE PAY ITEM.
11. UNDERGROUND SPLICING OF LIGHTING CONDUCTORS SHALL NOT BE PERMITTED PER ARTICLE 817.03 OF THE STANDARD SPECIFICATIONS.



COMBINATION POLE LIGHTING WIRING DETAIL
(NOT TO SCALE)

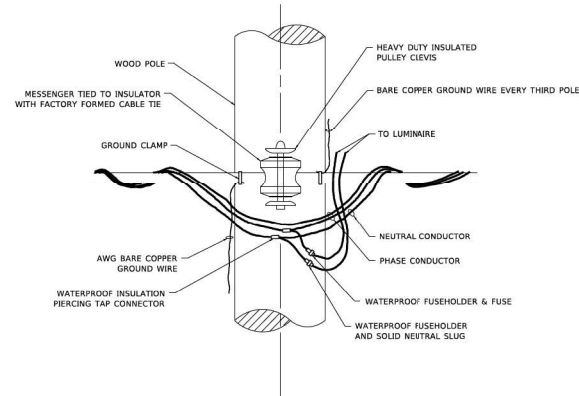
NOTES:

1. PROVIDE #10 EQUIPMENT GROUND CONDUCTOR TO EACH LUMINAIRE AND CONNECT TO GROUND LUG IN POLE HANDHOLE.
2. POLE WIRING SHALL BE PROVIDED WITH THE LUMINAIRE, COMPLETE WITH SURGE ARRESTOR, FUSE HOLDERS, FUSES AND SHALL NOT BE COUNTED SEPARATELY.

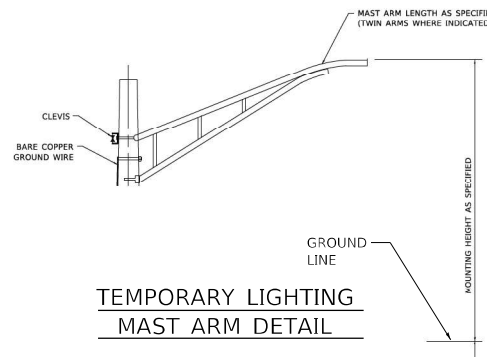
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PLOT DATE = 10/11/2021	CHECKED - TJS	REVISED -
	DATE - 8/16/21	REVISED -

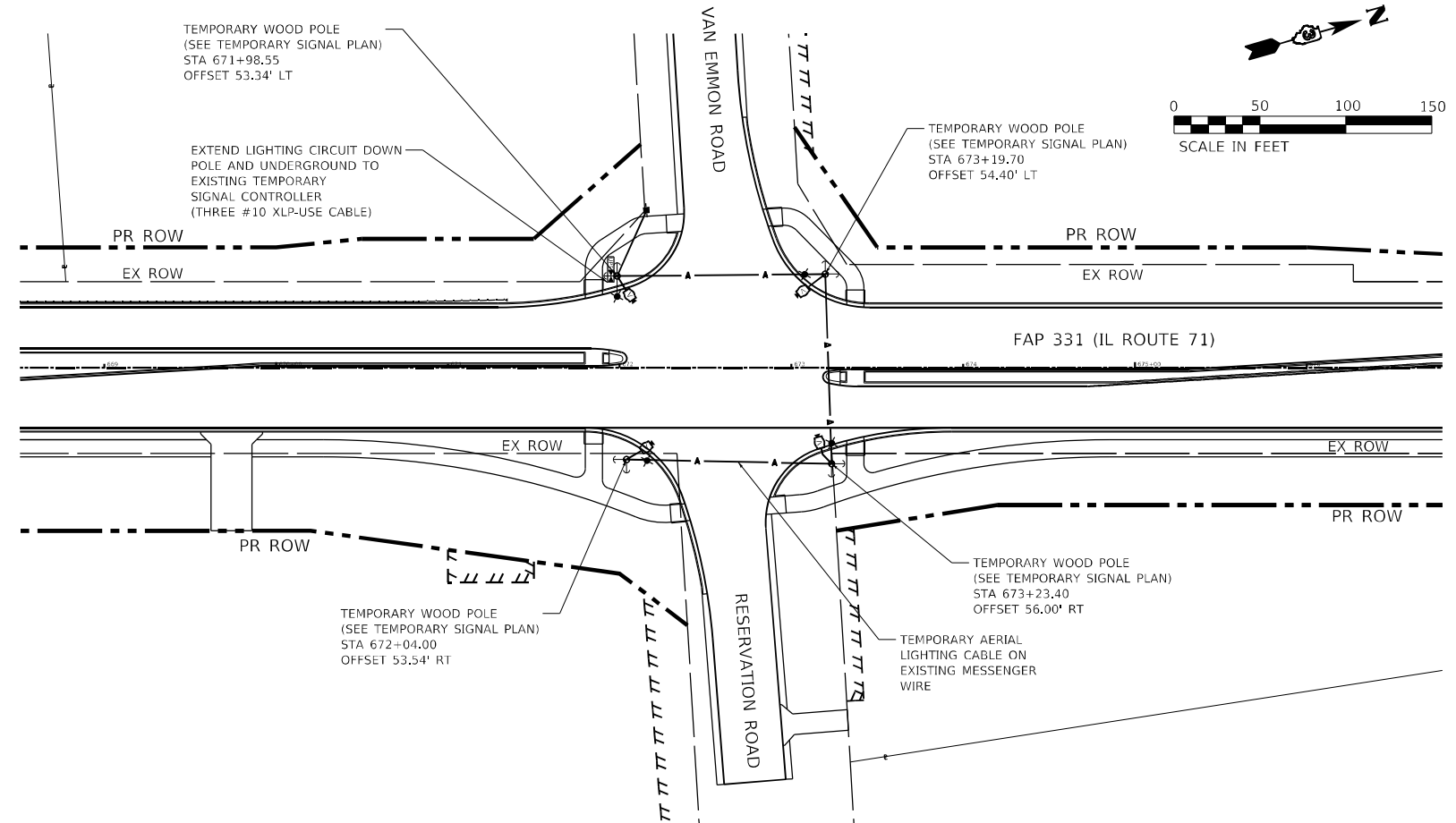
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311	(1-1) R, BR1	KENDALL	847	664
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				



TEMPORARY LIGHT POLE ATTACHMENT DETAIL



TEMPORARY LIGHTING MAST ARM DETAIL

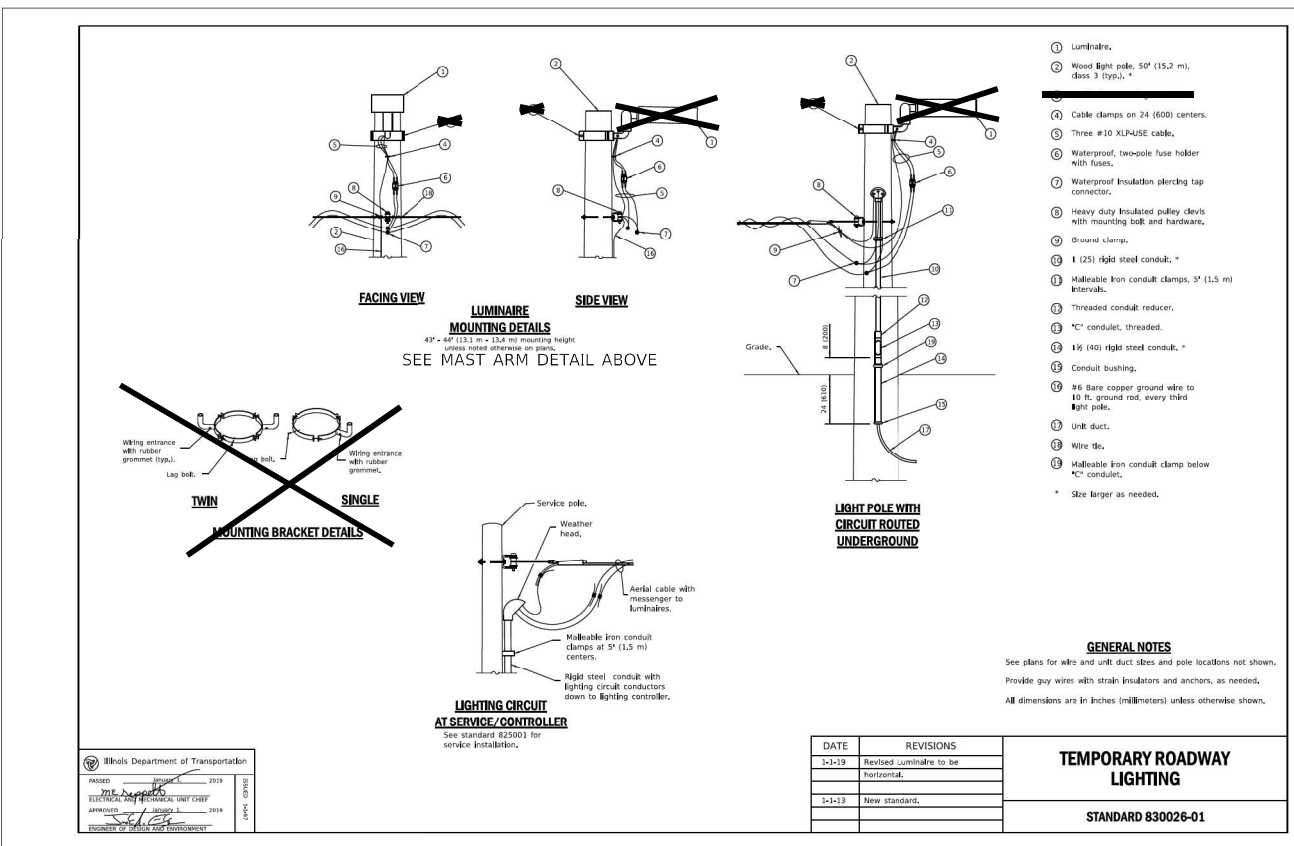


TEMPORARY LIGHTING NOTES

1. TEMPORARY LIGHTING MAST ARM INSTALLATION SHALL NOT INTERFERE WITH OVERHEAD POWER LINES.

TEMPORARY LIGHTING LEGEND

- ▲— AERIAL CABLE WITH MESSANGER WIRE
- EXISTING TEMPORARY TRAFFIC SIGNAL CONTROLLER CABINET
- EXISTING TEMPORARY UNINTERRUPTIBLE POWER SUPPLY
- ⊕ EXISTING TEMPORARY SERVICE INSTALLATION
- EXISTING TEMPORARY WOOD POLE
- ⊖ EXISTING TEMPORARY WOOD POLE ANCHOR
- ⊙ EXISTING TEMPORARY MAST ARM AND LUMINAIRE
- ⊙ EXISTING TEMPORARY VIDEO DETECTION SYSTEM



USER NAME = mconroy	DESIGNED - FPE	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - MJC	REVISED -
PLOT DATE = 3/11/2022	CHECKED - JMO	REVISED -
	DATE - 02/10/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY LIGHTING PLAN

SCALE: 1" = 50' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R,BR1	KENDALL	847	665
CONTRACT NO. 66D26				



Franklin P. Eppert, PE
Illinois 082-024057
Expires 11-30-2023
Date: 2-10-2022
(Reproductions are not valid unless signed, dated, and affixed with Engineer's seal)

MODEL Path: \\s020226025\Cadd\Electrical\66D26-Sub-Lighting-temp_01.dgn

Bench Mark: Chiseled "□" on top of SW wingwall of SN 047-0059. Sta. 688+09.00, 22' LT. Elev 621.28.

Existing Structure: S.N. 047-0059 was built in 1997 under F.A.P. RTE. 311, Section (1-A)BR at STA. 688+30.42. The existing structure is a single-span PPC I-beam bridge with a reinforced concrete deck supported by integral abutments. 88'-6 1/4" back-to-back abutments. 42'-7 3/4" out-to-out deck. Structure to be removed and replaced utilizing stage construction

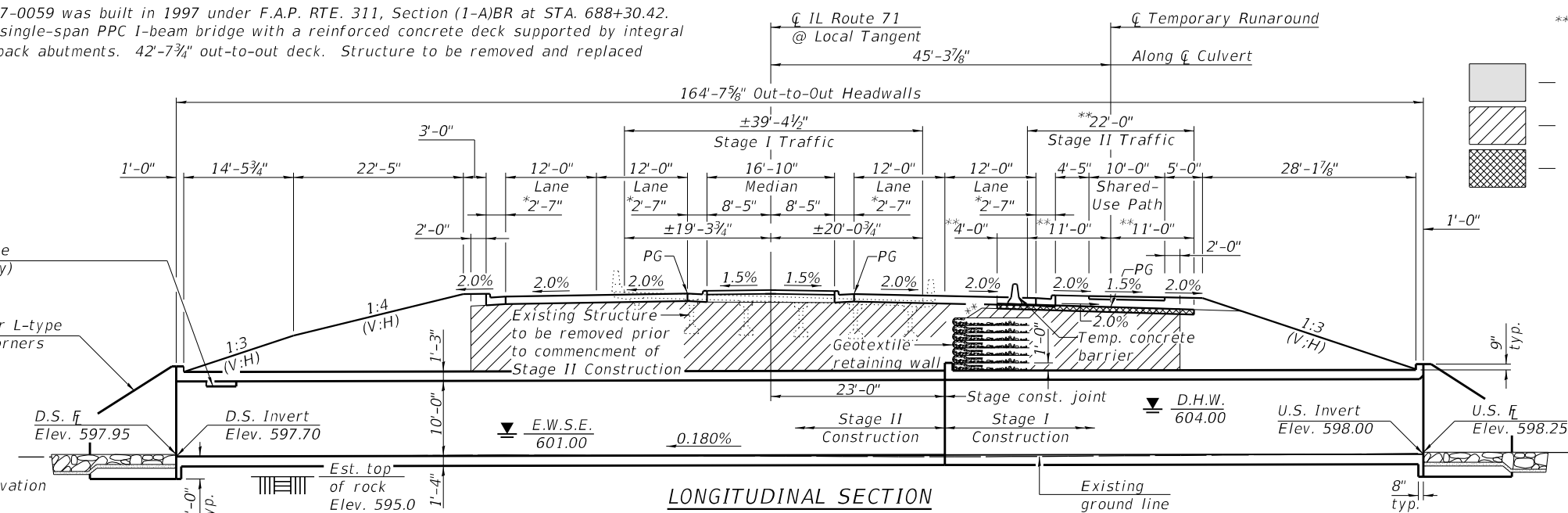
No Salvage

Phoebe nesting site (Interior walls only)

Two-way cantilever L-type wingwalls, all 4 corners

INDEX OF SHEETS

- 1 General Plan & Elevation
- 2 General Data
- 3 Stage Construction Details
- 4 Temporary Soil Retention System & Geotextile Retaining Wall
- 5 Geotextile Retaining Wall Details
- 6 Culvert Top & Bottom Slabs
- 7 Culvert Sections
- 8 L-Type Two-way Cantilevered Wingwall (Long)
- 9 L-Type Two-way Cantilevered Wingwall (Short)
- 10-11 Culvert Details
- 12 Bar Splicer Assembly and Mechanical Splicer Details
- 13-14 Soil Boring Logs



*Combination concrete curb and gutter, Type B-6.24.
 **1:1.5 (V:H) or flatter
 At right L's to CL Temp. Runaround
 Indicates estimated limits of existing Stone Riprap, Class A4 to be removed. Cost to be included with Removal of Existing Structures.



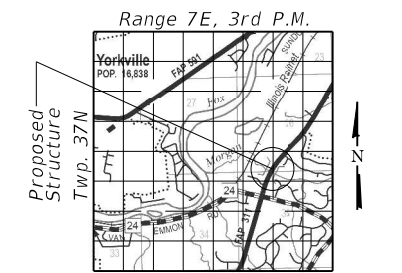
Note: See sheet 3 of 12 for maximum and minimum design fill heights.



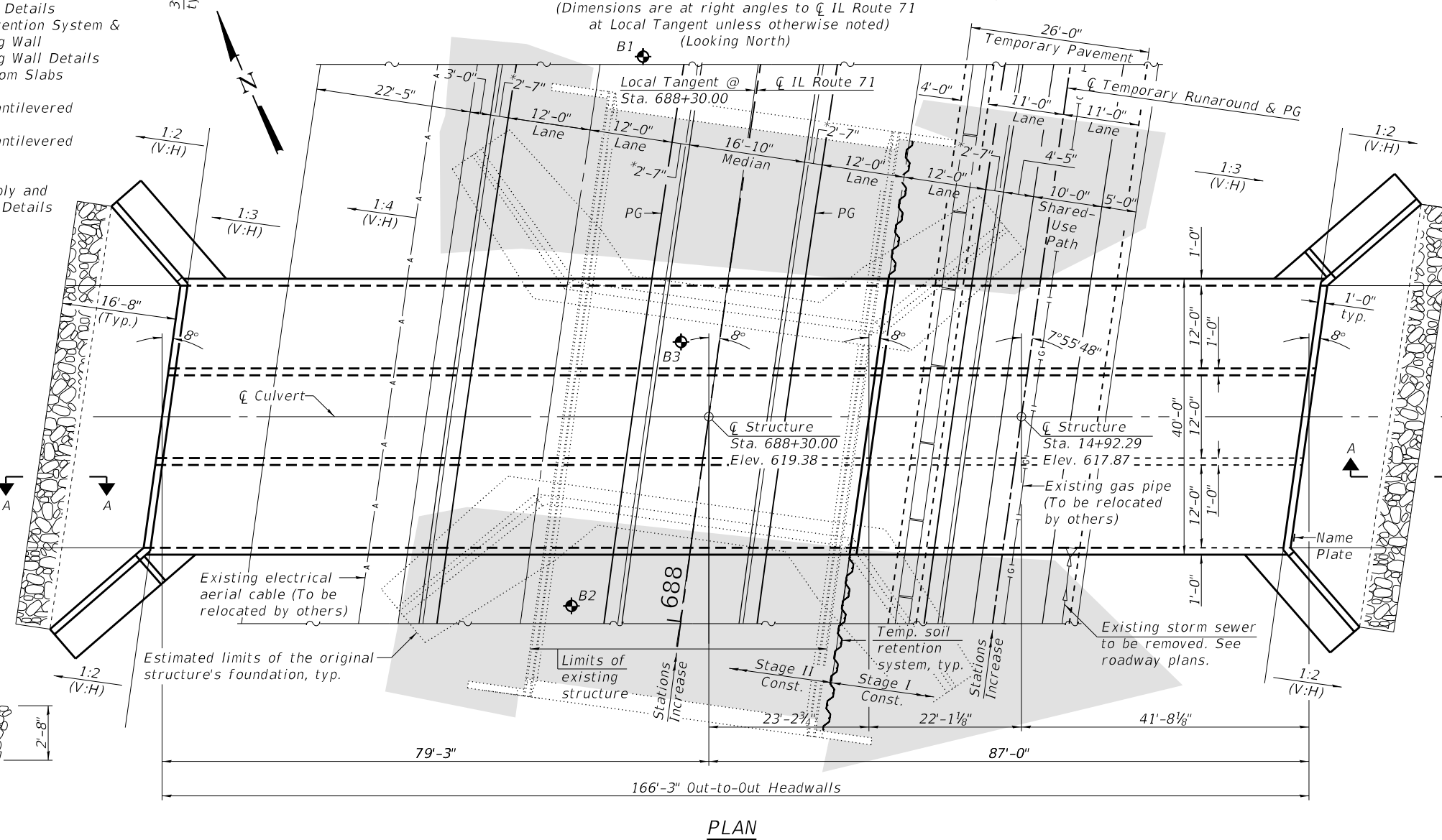
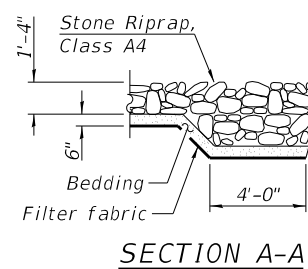
APPROVED
 For Structural Adequacy Only
 Engineer of Bridges & Structures

STATION 688+30.00
 BUILT 20__ BY
 STATE OF ILLINOIS
 F.A.P. RTE. 311 - SEC. (1-1)R, BR1
 LOADING HL-93
 STRUCTURE NO. 047-2050

NAME PLATE
 See Std. 515001



GENERAL PLAN & ELEVATION
IL ROUTE 71 OVER MORGAN CREEK
 F.A.P. RTE. 311 - SEC. (1-1)R, BR1
 KENDALL COUNTY
 STATION 688+30.00
 S.N. 047-2050



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
 STRUCTURE NO. 047-2050

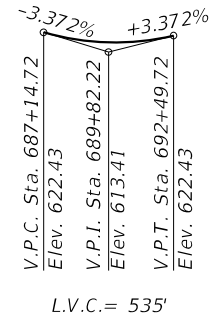
SHEET 1 OF 14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				

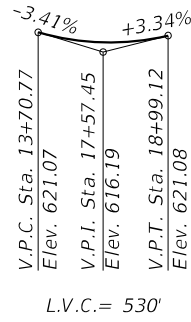
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PI STA. = 687+52.85
 $\Delta = 27^\circ 08' 43''$ (RT)
 $D = 1^\circ 23' 59''$
 $R = 4,093.50'$
 $T = 988.25'$
 $L = 1,939.39'$
 $E = 117.60'$
 $e =$ ----
 $T.R. =$ ----
 $S.E. RUN =$ ----
 $P.C. STA. = 677+64.60$
 $P.T. STA. = 697+03.99$

**IL ROUTE 71
PROP. CURVE PR71-7**



**IL ROUTE 71
PROFILE GRADE**
(Along roadway median
edge of pavement)



**TEMPORARY RUNAROUND
PROFILE GRADE**
(Along temporary runaround)

GENERAL NOTES

Precast alternate is not allowed.
 Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
 Reinforcement bars designated (E) shall be epoxy coated.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Porous Granular Embankment	Cu. Yd.	3140
Stone Riprap, Class A4	Sq. Yd.	206
Filter Fabric	Sq. Yd.	206
Rock Excavation for Structures	Cu. Yd.	1
Removal Of Existing Structures No. 5	Each	1
Reinforcement Bars	Pound	210,930
Reinforcement Bars, Epoxy Coated	Pound	4,850
Bar Splicers	Each	246
Name Plates	Each	1
Temporary Soil Retention System	Sq. Ft.	241
Geotextile Retaining Wall	Sq. Ft.	566
Concrete Box Culverts	Cu. Yd.	939.6

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications,
9th Edition

DESIGN STRESSES

FIELD UNITS

$f'c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)

WATERWAY INFORMATION

Existing Low Grade Elev. = 617.1 @ Sta. 690+00.00
 Drainage Area = 17.8 sq. mi. Prop. Low Grade Elev. = 617.1 @ Sta. 690+00.00

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Ten-Year	10	1030	176	189	603.3	0.3	0.0	603.6	603.3
Design	50	1510	212	216	604.0	0.7	0.0	604.7	604.1
Base	100	1700	226	226	604.3	0.8	0.3	605.1	604.6
Overtopping Proposed	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Max. Calc.	500	2160	256	247	604.9	1.1	0.9	606.0	605.8

Existing 10 Year Outlet Velocity = 6.1 ft/s Proposed 10 Year Outlet Velocity = 6.0 ft/s

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

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CHECKED - GBR	CHECKED - GBR	REVISED -
PLOT SCALE =	DRAWN - JGY	REVISED -
PLOT DATE =	CHECKED - GBR	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 047-2050

SHEET 2 OF 14 SHEETS

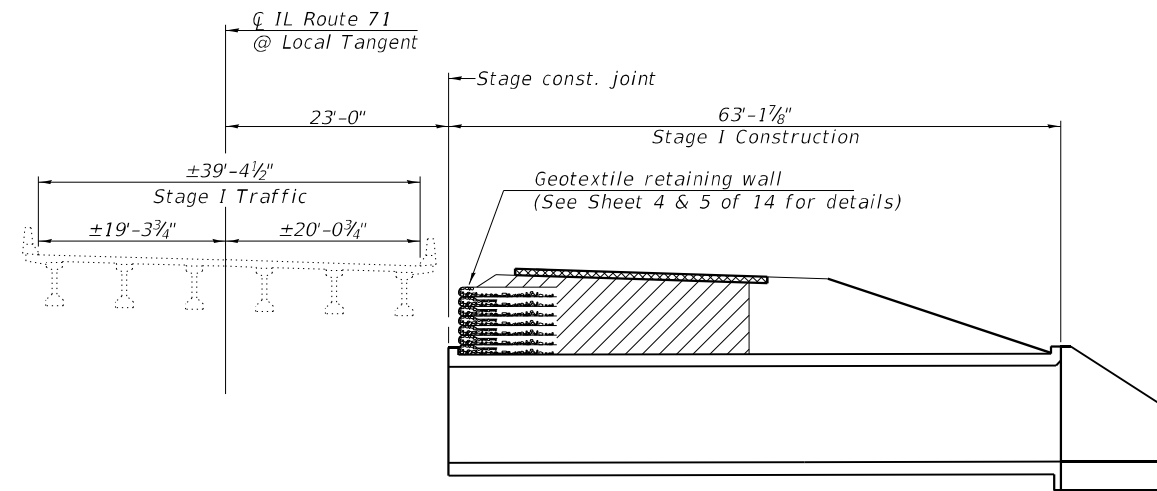
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311	(1-1)R.BR 1	KENDALL	847	667
CONTRACT NO. 66D26				
ILLINOIS		FED. AID PROJECT		

-  Indicates limits of porous granular embankment (See Sheet 11 of 14 for details)
-  Indicates temporary pavement (See roadway plans)

*Existing structure to be removed prior to commencement of Stage II Construction

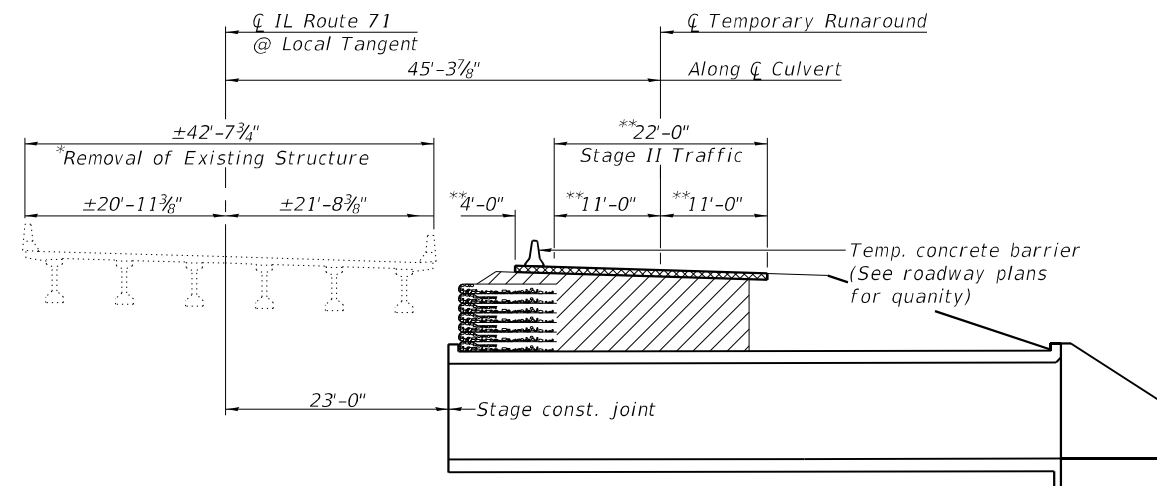
**At right L's to \bar{C} Temp. Runaround

***See roadway plans for additional traffic staging details, and construction staging details of final roadway cross section not shown.



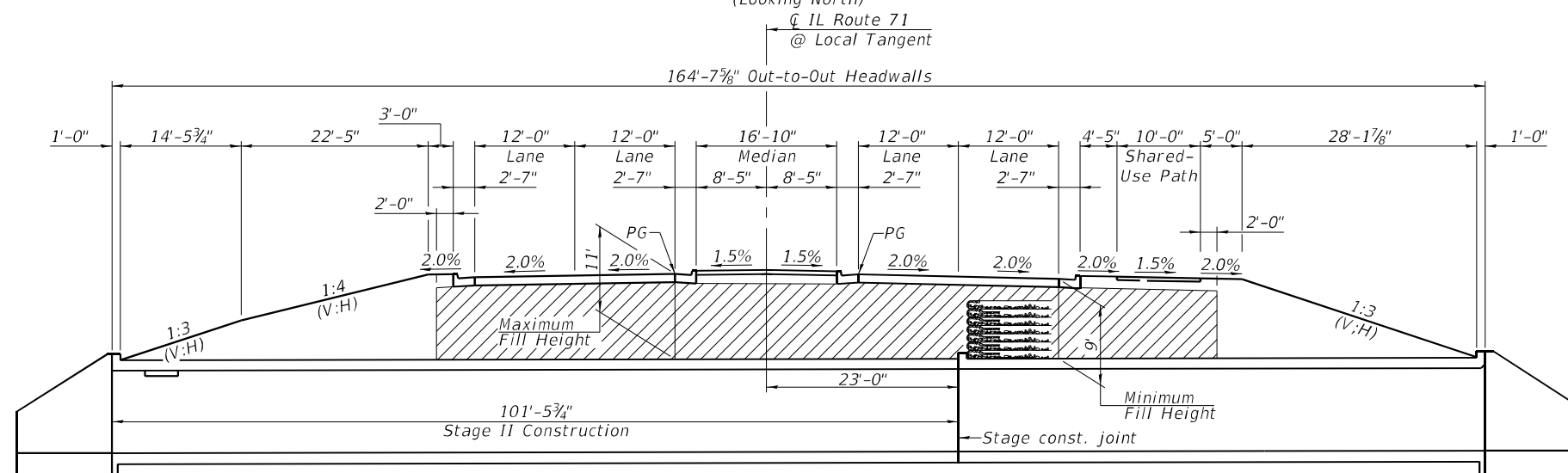
STAGE I CONSTRUCTION & TRAFFIC

(Dimensions are at right angles to \bar{C} IL Route 71 at Local Tangent unless otherwise noted) (Looking North)



STAGE II TRAFFIC & REMOVAL OF EXISTING STRUCTURE

(Dimensions are at right angles to \bar{C} IL Route 71 at Local Tangent unless otherwise noted) (Looking North)



STAGE II CONSTRUCTION & FINAL LONGITUDINAL SECTION

(Dimensions are at right angles to \bar{C} IL Route 71 at Local Tangent unless otherwise noted) (Looking North)

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USER NAME =	DESIGNED - JGY	REVISED -
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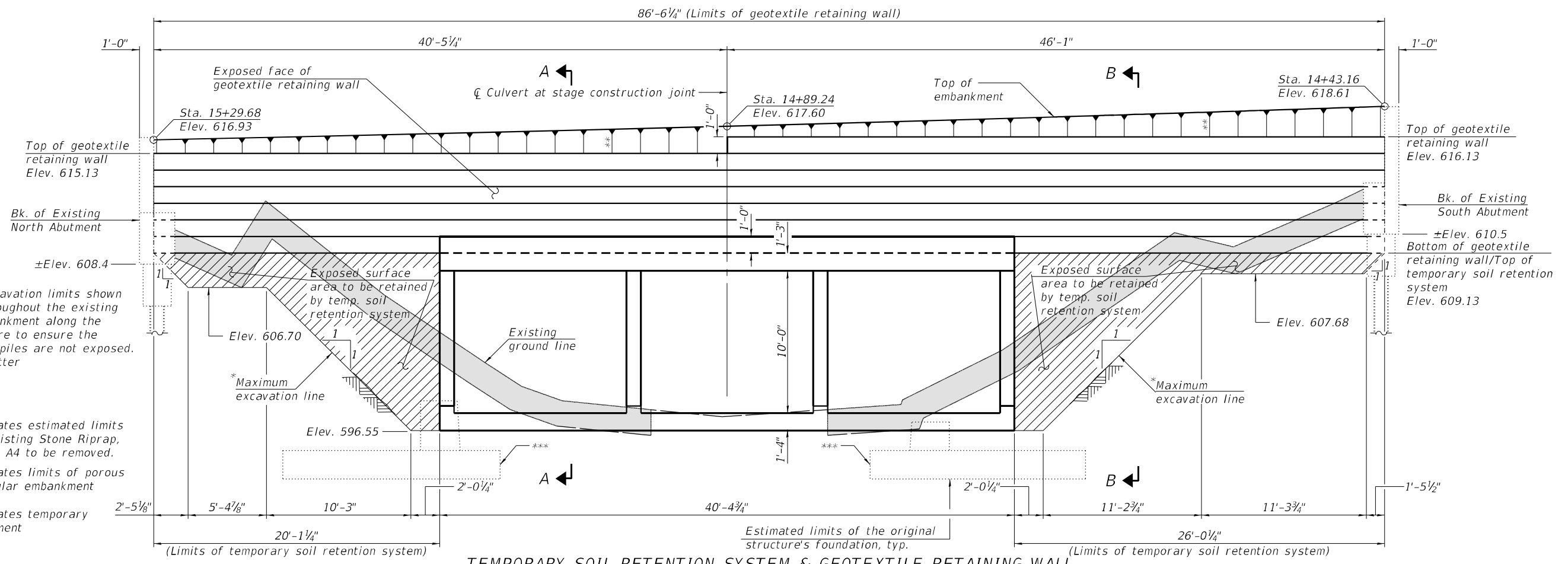
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STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 047-2050

SHEET 3 OF 14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)RBR 1	KENDALL	847	668
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				

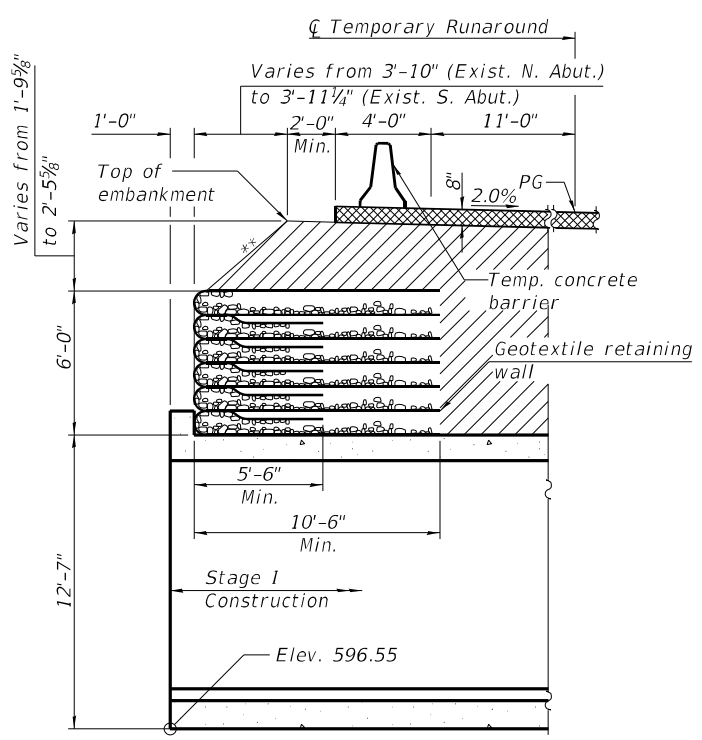
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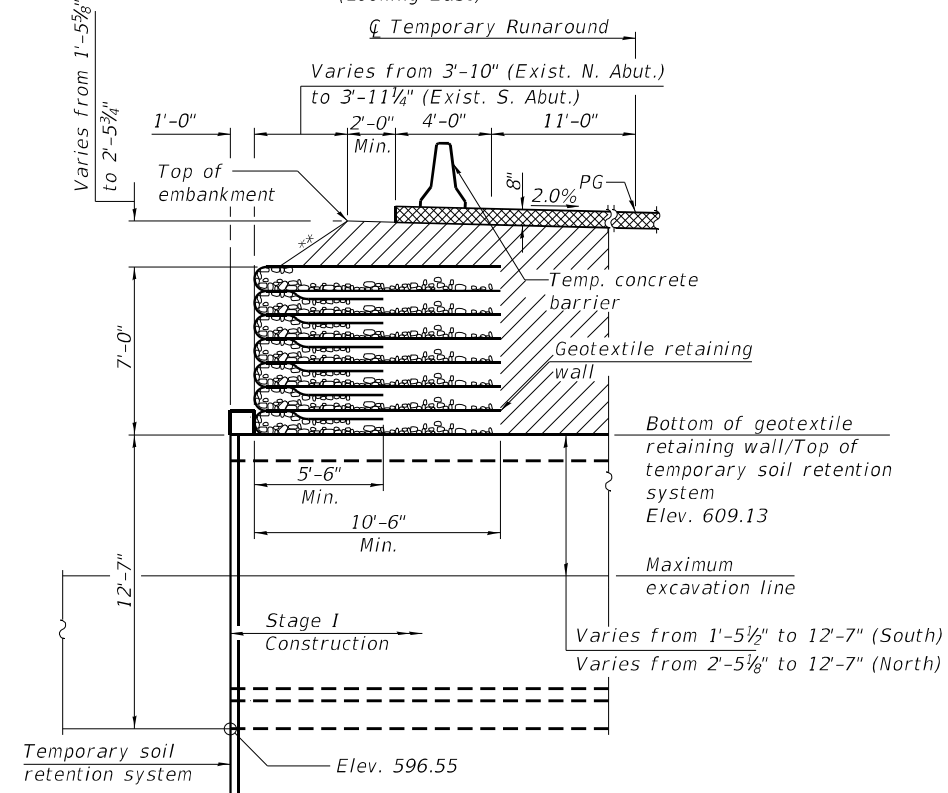
*The maximum excavation limits shown are required throughout the existing bridge cone embankment along the proposed structure to ensure the existing abutment piles are not exposed.
 **1:1.5 (V:H) or flatter

- Indicates estimated limits of existing Stone Riprap, Class A4 to be removed.
- Indicates limits of porous granular embankment
- Indicates temporary pavement

TEMPORARY SOIL RETENTION SYSTEM & GEOTEXTILE RETAINING WALL
 (Elevation View shown along stage construction joint)
 (Existing superstructure not shown for clarity)
 (Looking East)



SECTION A-A



SECTION B-B

*** Estimated limits of the original structure's foundation. The original foundation shall be removed 1 ft. min. below the bottom of the proposed culvert. The cost of the removal shall be included with Removal of Existing Structures.

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Temporary Soil Retention System	Sq. Ft.	241
Geotextile Retaining Wall	Sq. Ft.	566

Notes:
 See Sheet 5 of 14 for additional Geotextile Retaining Wall Details.
 A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.

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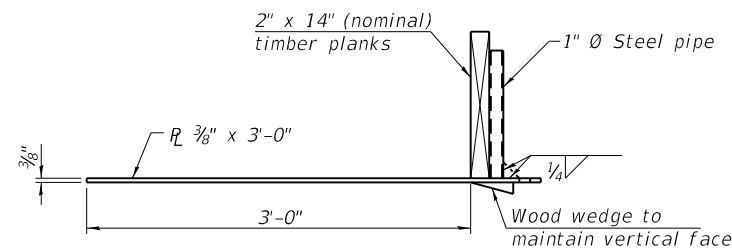
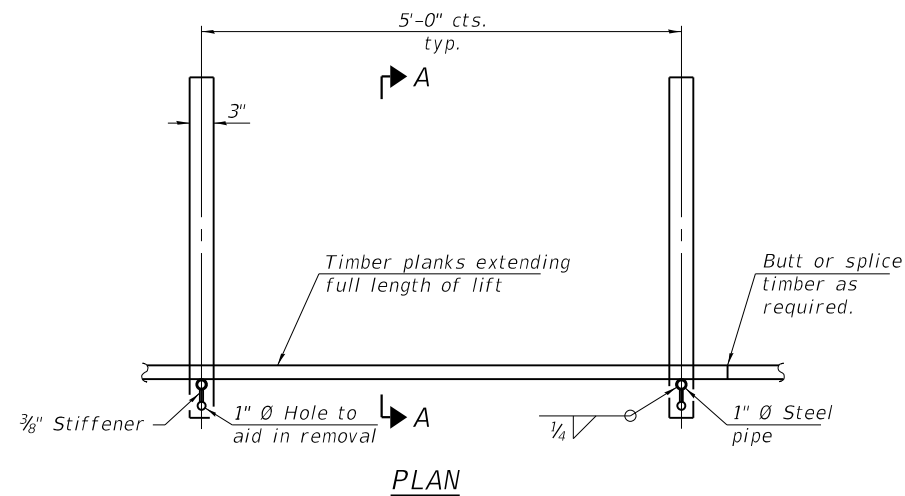
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	CHECKED - JGY	REVISIONS	REVISIONS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMP. SOIL RETENTION SYSTEM & GEOTEXTILE RETAINING WALL
STRUCTURE NO. 047-2050

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				

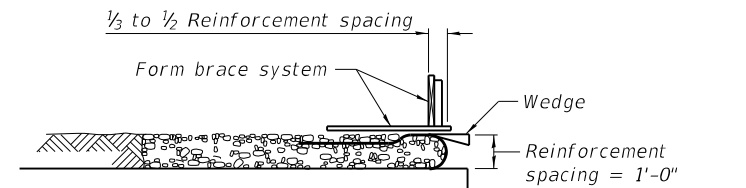
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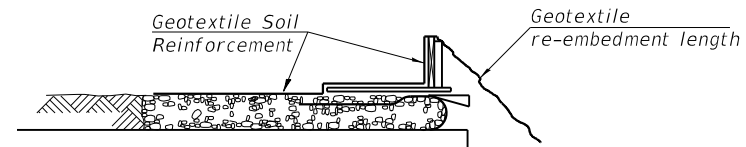
SECTION A-A

Note:
 This is a suggested detail, the Contractor is responsible for the design of the form brace system to be used.

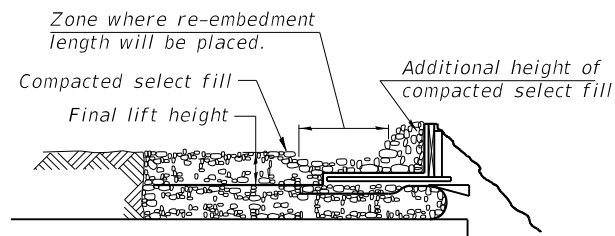
**GEOTEXTILE
 FORM BRACE DETAIL**



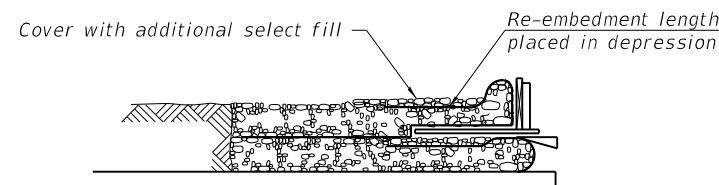
1. Place form brace system on completed reinforcement level; back from the finished fabric face a distance of $\frac{1}{3}$ to $\frac{1}{2}$ the geotextile reinforcement spacing.



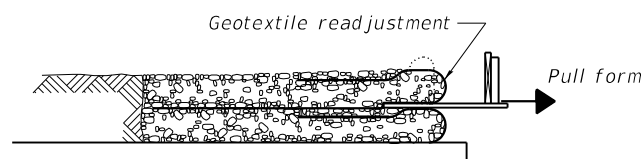
2. Position fabric so that the required geotextile re-embedment length extends over the top of the form brace and the design reinforcement width is placed with no slack against the previous level.



3. Compact select fill material in lifts to final lift height, create ($\pm 3"$) depression in zone where re-embedment length will be located and place additional height of compacted select fill against form brace.



4. Fold geotextile re-embedment length back over form brace into zone where depression was made in select fill and place additional select fill ($\pm 3"$) to embed geotextile and bring to final lift height.



5. Pull form brace outward allowing geotextile face to slightly readjust to form tight round face level with plan reinforcement spacing.

**GEOTEXTILE WALL
 CONSTRUCTION SEQUENCE**

Note:
 The geotextile soil reinforcement shall have a minimum allowable tensile strength ($T_{min.}$) of 44 lb./in. as determined by the procedure described in Section 522 of the Standard Specifications. The computations supporting the determination of ($T_{min.}$) shall be submitted to the engineer for approval.

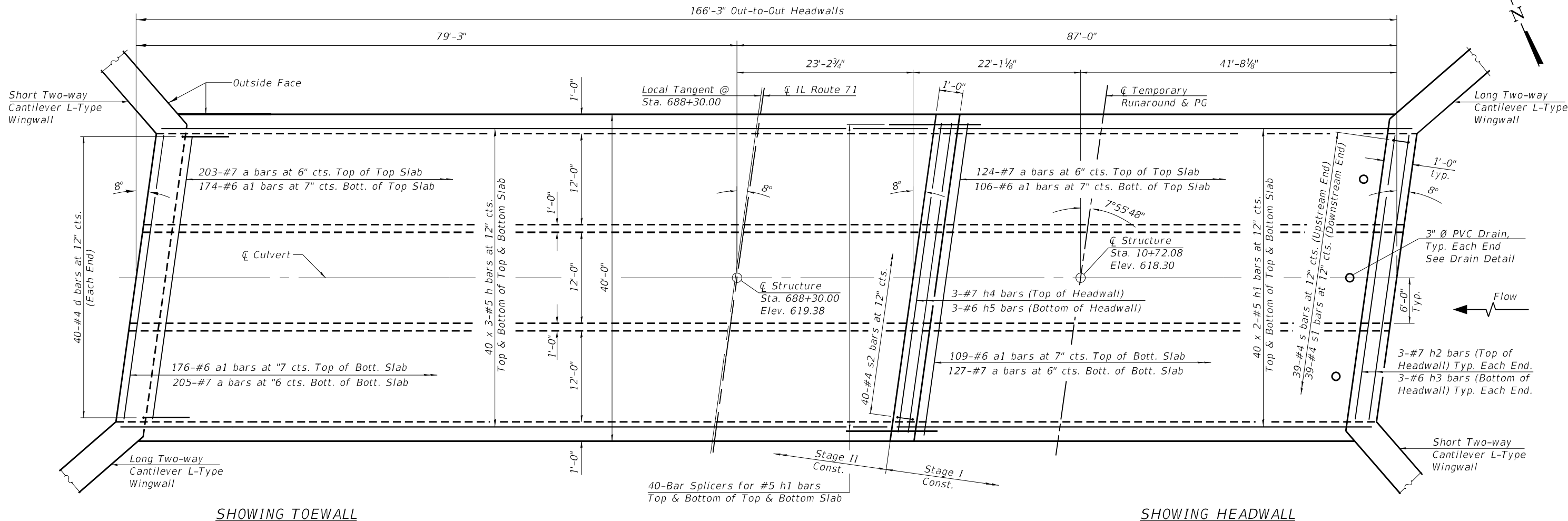
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USER NAME =	DESIGNED - JGY	REVISED -
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PLOT DATE =	CHECKED - JGY	REVISED -

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 DEPARTMENT OF TRANSPORTATION**

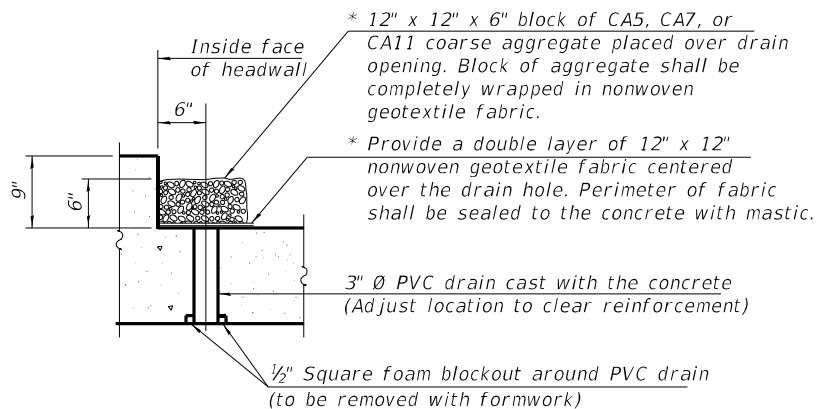
**GEOTEXTILE RETAINING WALL DETAILS
 STRUCTURE NO. 047-2050**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R.BR 1	KENDALL	847	670
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				



PLAN - TOP AND BOTTOM SLAB

* Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.



DRAIN DETAIL

(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)

MINIMUM BAR LAP
#5 Bar = 2'-9"

Notes:
Bars indicated thus 40x3-#5 etc. indicates 40 lines of bars with 3 lengths per line.
See Sheet 7 of 14 for Longitudinal Section, Section Thru Barrel and Section Thru Headwalls.
See Sheets 8 & 9 of 14 for L-Type Two-way Cantilever Wingwalls Details.
See Sheet 10 of 14 for Bar Details & Bill of Materials.
See Sheet 12 of 14 for Bar Splicer Details and Quantity.

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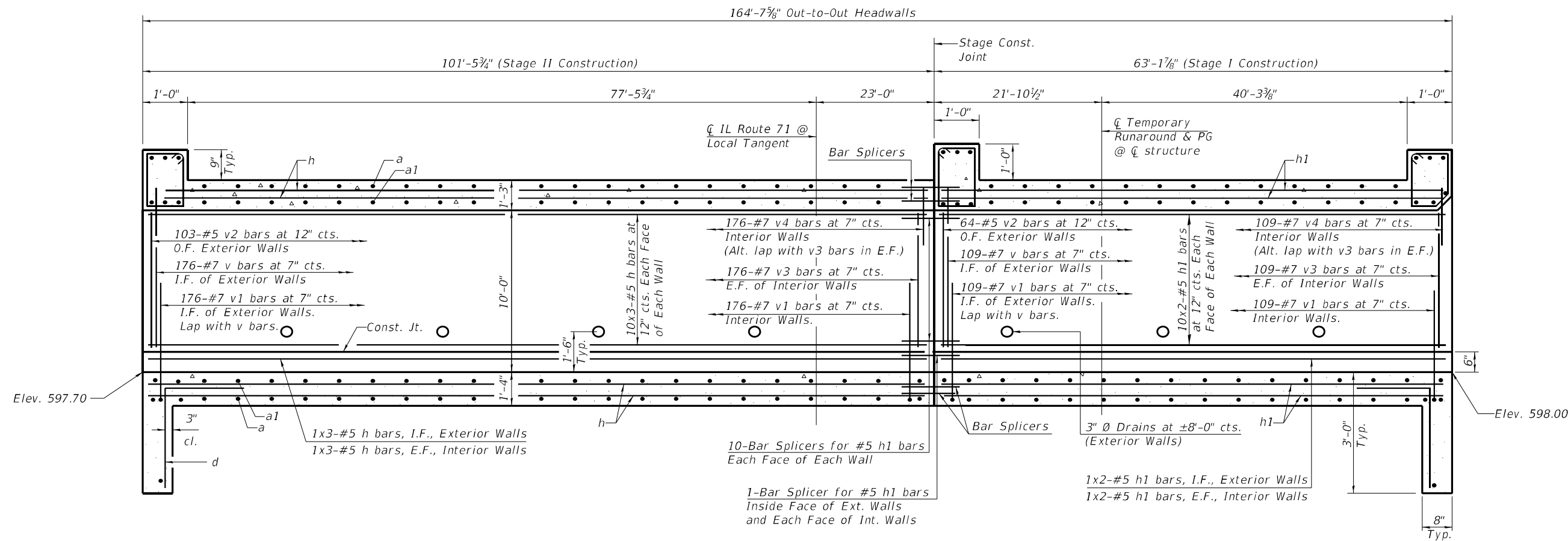
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PILOT DATE	DRAWN - JGY	REVISIONS	REVISIONS
	CHECKED - GBR	REVISIONS	REVISIONS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT TOP AND BOTTOM SLABS
STRUCTURE NO. 047-2050

SHEET 6 OF 14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				



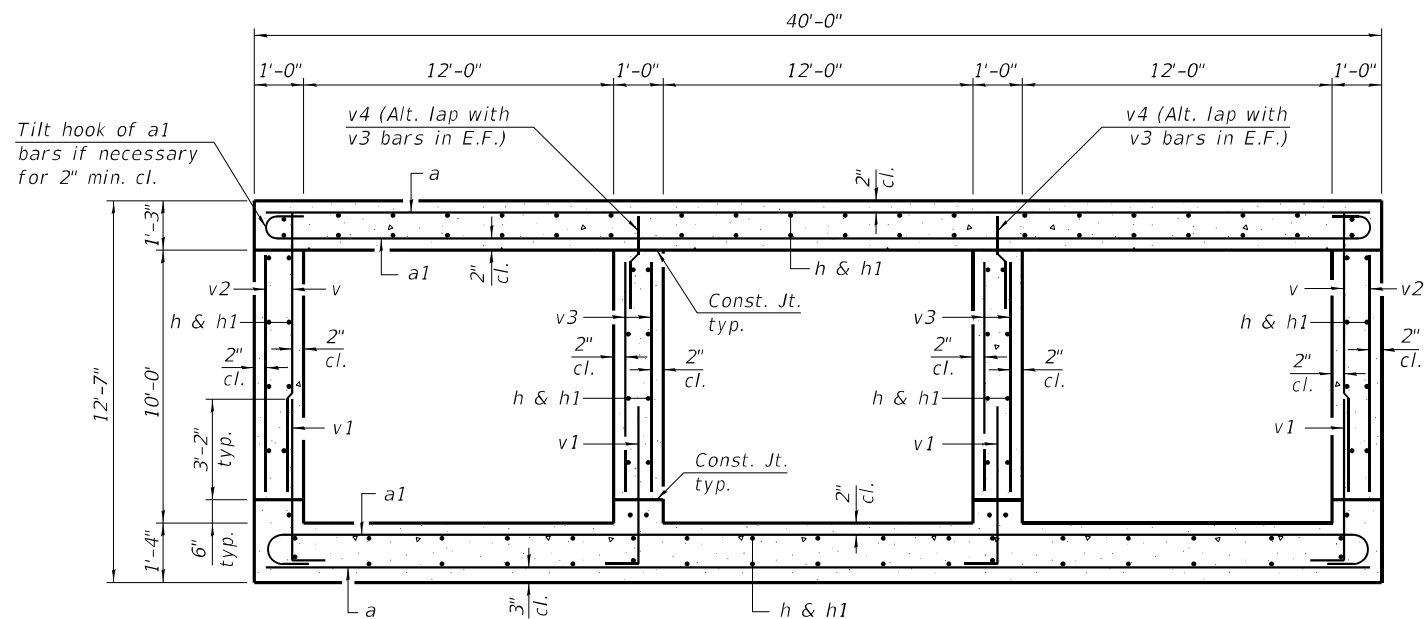
LONGITUDINAL SECTION

(Dimensions at Rt. \angle 's to IL Route 71 at Local Tangent)
(Looking North)

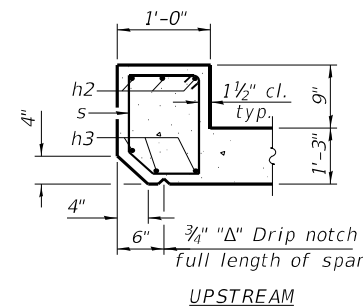
MINIMUM BAR LAP

#5 Bar = 2'-9"

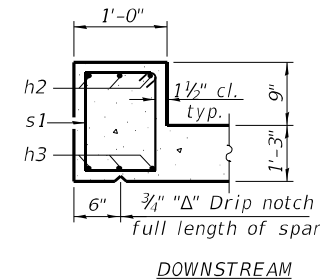
Notes:
Bars indicated thus 10x3-#5 etc. indicates 10 lines of bars with 3 lengths per line.
E.F. denotes Each Face, I.F. denotes Inside Face & O.F. denotes Outside Face.



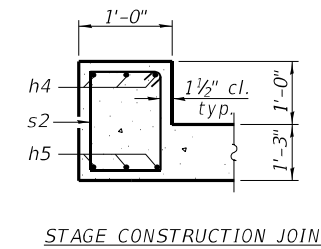
SECTION THRU BARREL



UPSTREAM



DOWNSTREAM



STAGE CONSTRUCTION JOINT

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PHONE - 815.267.9190

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PLOT SCALE	CHECKED - GBR	REVISED -
PLOT DATE	DRAWN - JGY	REVISED -
	CHECKED - GBR	REVISED -

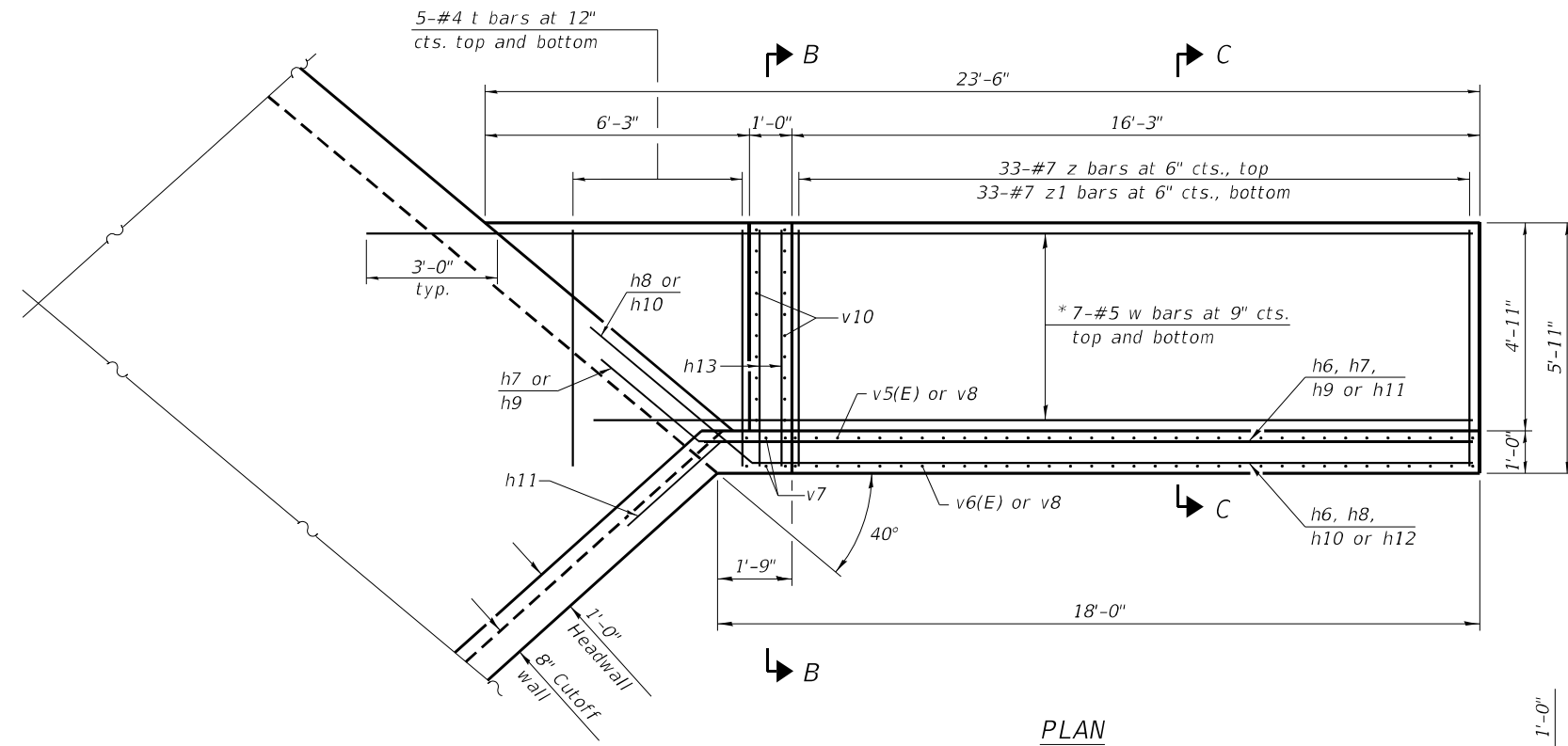
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS
STRUCTURE NO. 047-2050

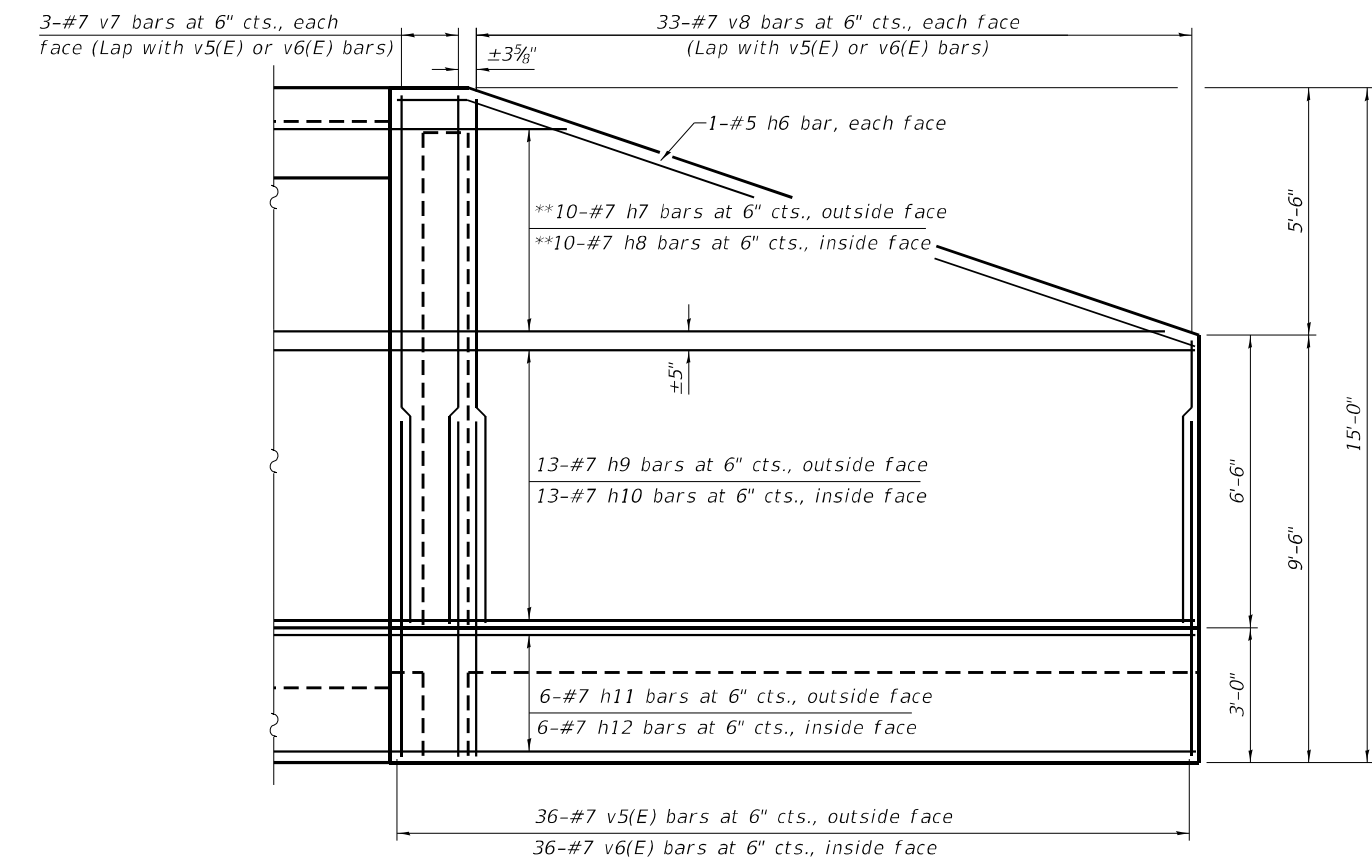
SHEET 7 OF 14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)RBR 1	KENDALL	847	672
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				

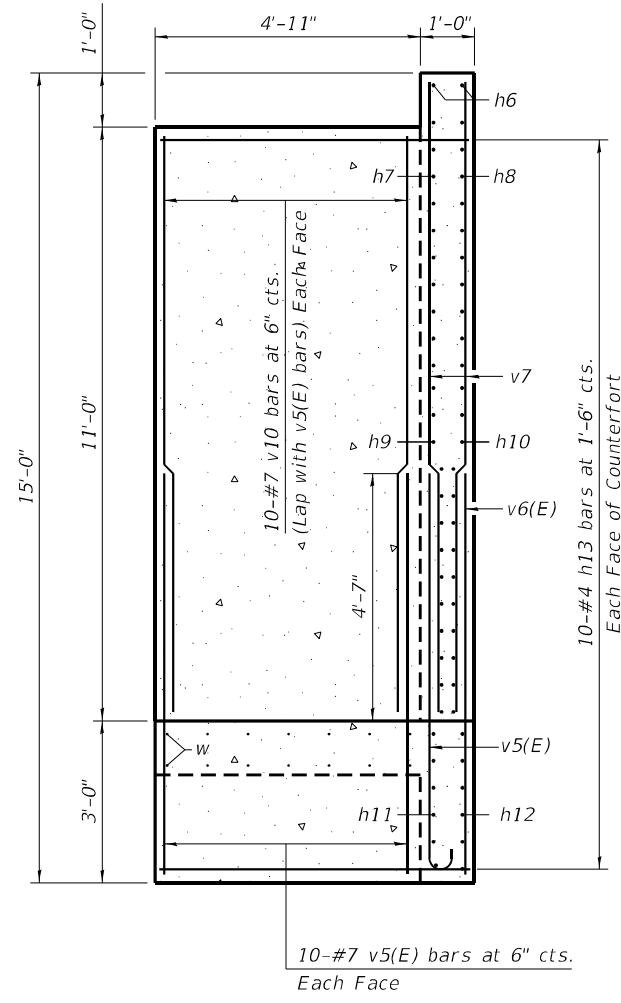
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PLAN



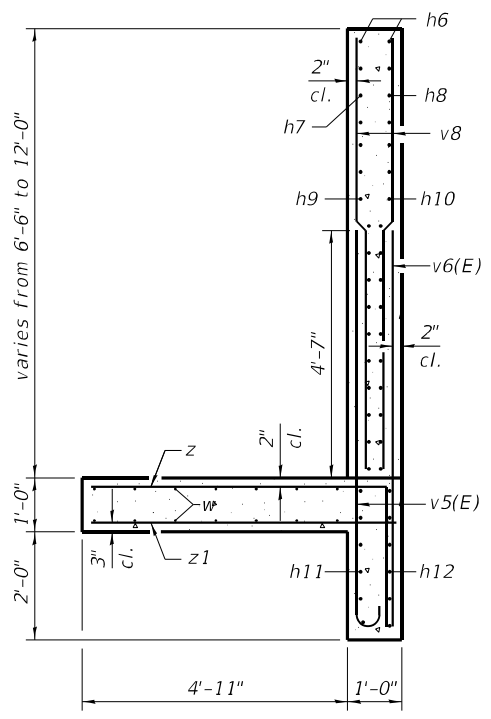
ELEVATION



SECTION B-B

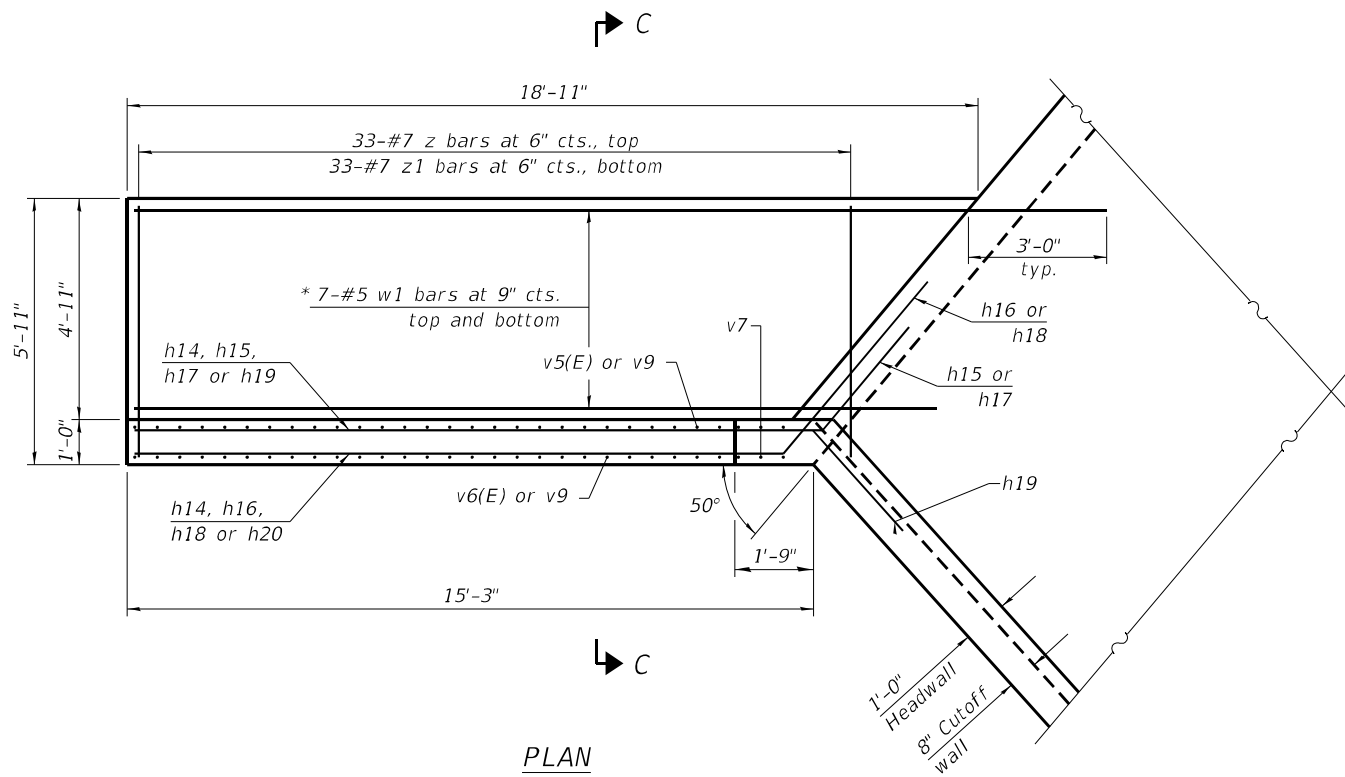
* See Field Cutting Diagram 1 on sheet 10 of 14.
 ** See Field Cutting Diagram 2 on sheet 10 of 14.

MINIMUM BAR LAP
 #7 Bar = 4'-5"



SECTION C-C

BACON FARMER WORKMAN ENGINEERING & TESTING, INC. 403 NORTH COURT STREET MARIETTA, IL 61756-5050 PHONE - 815.267.9190	USER NAME =	DESIGNED - JGY	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	L-TYPE TWO-WAY CANTILEVERED WINGWALL (LONG) STRUCTURE NO. 047-2050	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	CHECKED - GBR	REVISED -			311	(1-1)R, BR 1	KENDALL	847	673
PLOT DATE =	DRAWN - JGY	REVISED -	CONTRACT NO. 66D26							
	CHECKED - GBR	REVISED -	ILLINOIS FED. AID PROJECT							
SHEET 8 OF 14 SHEETS										



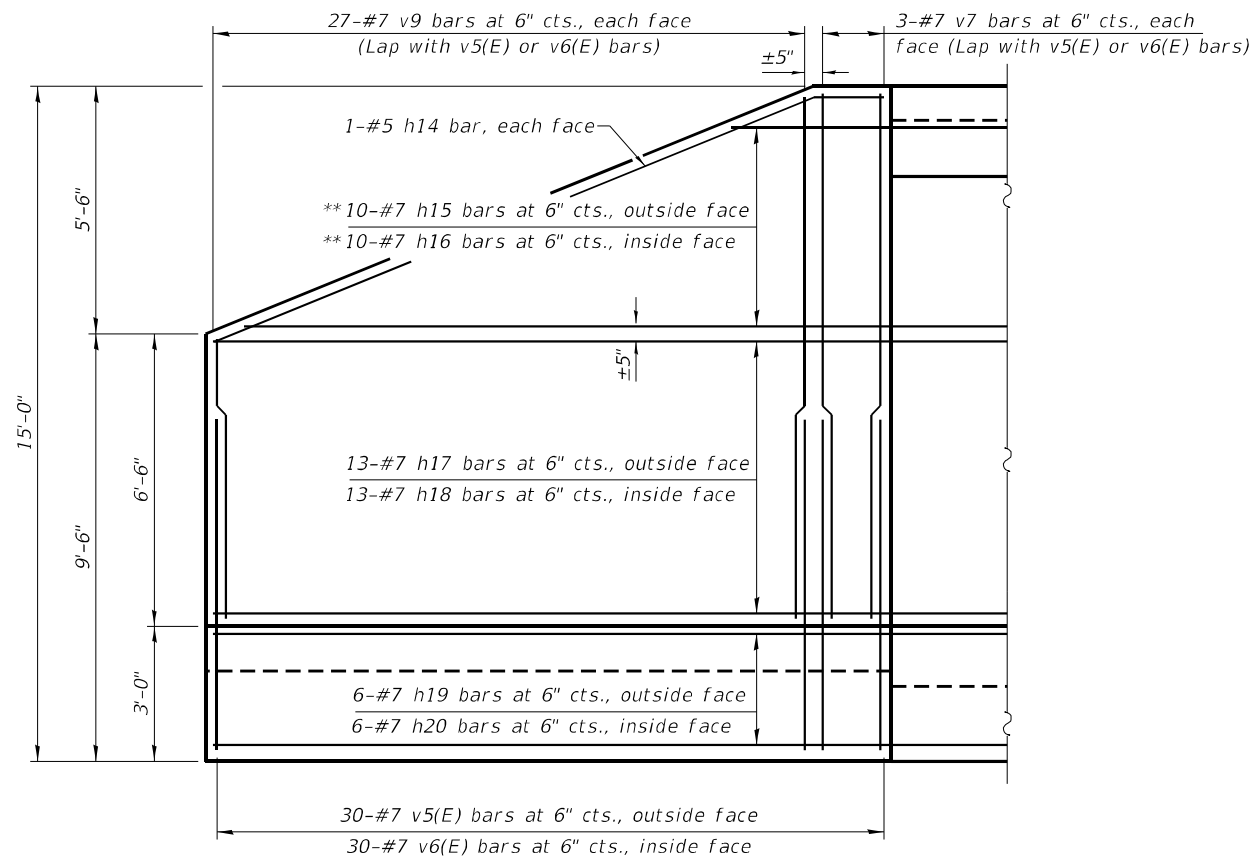
PLAN

* See Field Cutting Diagram 1 on sheet 10 of 14.

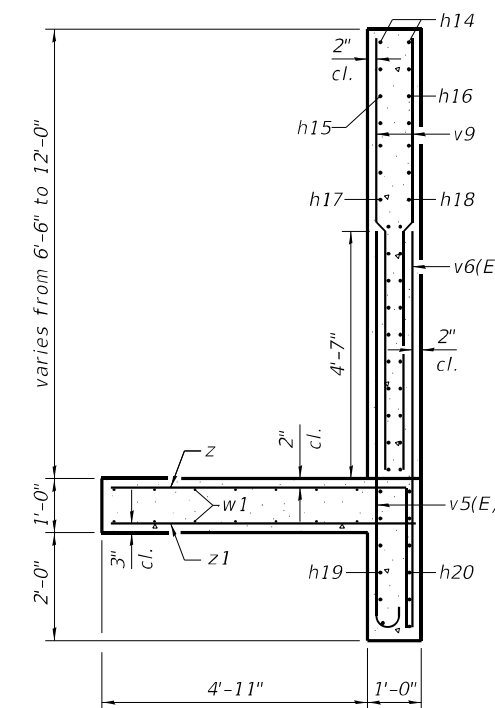
** See Field Cutting Diagram 2 on sheet 10 of 14.

MINIMUM BAR LAP

#7 Bar = 4'-5"



ELEVATION



SECTION C-C

MODEL: Default
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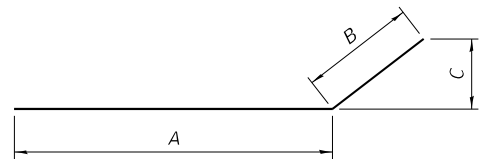
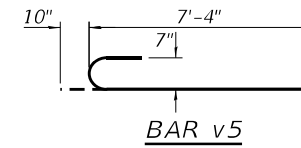
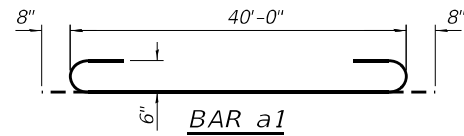
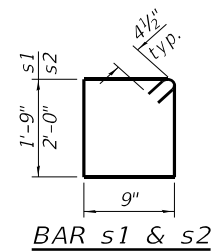
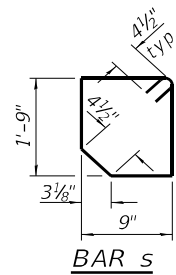
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

L-TYPE TWO-WAY CANTILEVERED WINGWALL (SHORT)
STRUCTURE NO. 047-2050

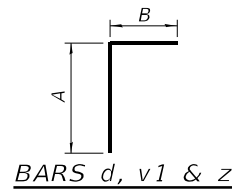
SHEET 9 OF 14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R, BR 1	KENDALL	847	674
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				



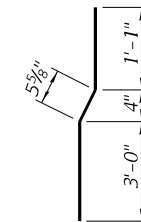
BARS h6, h9, h10,
h11, h14, h17, h18 & h19

Bar	A	B	C
h6	17'-0"	1'-6"	6"
h9	18'-3"	3'-0"	1'-11 1/8"
h10	17'-0"	5'-0"	3'-2 1/2"
h11	17'-5"	3'-0"	2'-0 1/8"
h14	14'-5"	1'-6"	7"
h17	15'-3"	3'-0"	2'-3 3/8"
h18	14'-4"	5'-0"	3'-10"
h19	14'-10"	3'-0"	2'-2 3/4"

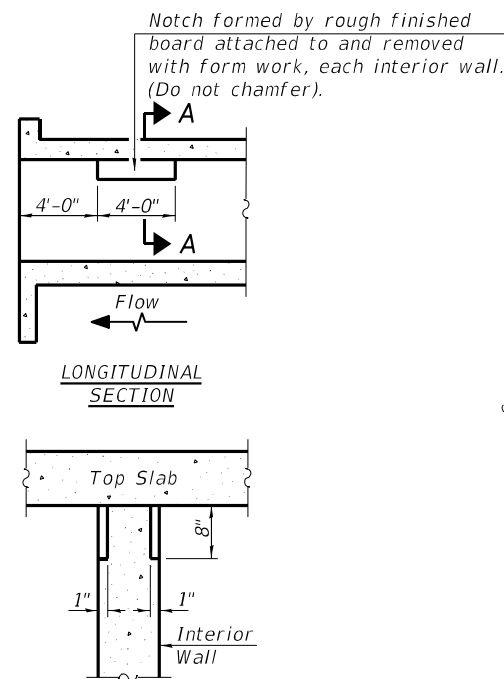


BARS d, v1 & z

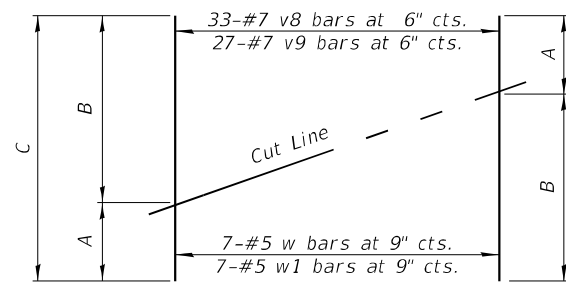
Bar	A	B
d	2'-8"	1'-9"
v1	4'-9"	1'-2"
z	5'-7"	2'-8"



BAR v4



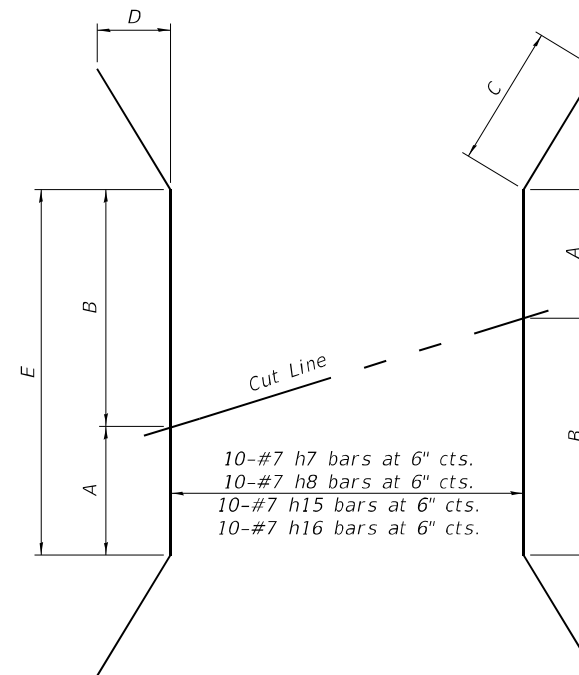
SECTION A-A
PHOEBE NESTING
SITE DETAILS
(Downstream End Only)



FIELD CUTTING DIAGRAM 1

Order bars shown full length. Cut as shown and use remainder of bars in opposite wingwall.

Bar	A	B	C
v8	6'-2"	11'-7"	17'-9"
v9	6'-2"	11'-6"	17'-8"
w	20'-10"	26'-2"	47'-0"
w1	17'-10"	21'-8"	39'-6"



FIELD CUTTING DIAGRAM 2

Order bars shown full length. Cut as shown and use remainder of bars in opposite wingwall.

Bar	A	B	C	D	E
h7	4'-4"	17'-8"	3'-0"	1'-11 1/8"	22'-0"
h8	3'-1"	16'-5"	5'-0"	3'-2 1/2"	19'-6"
h15	3'-9"	14'-9"	3'-0"	2'-3 3/8"	18'-6"
h16	2'-10"	13'-11"	5'-0"	3'-10"	16'-9"

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	659	#7	40'-0"	U
a1	565	#6	41'-4"	U
d	80	#4	4'-5"	J
h	738	#5	36'-0"	
h1	492	#5	33'-4"	
h2	6	#7	38'-10"	
h3	6	#6	38'-10"	
h4	3	#7	40'-0"	
h5	3	#6	40'-0"	
h6	4	#5	18'-6"	
h7	10	#7	28'-0"	
h8	10	#7	29'-6"	
h9	26	#7	21'-3"	
h10	26	#7	22'-0"	
h11	12	#7	20'-5"	
h12	12	#7	17'-3"	
h13	40	#4	5'-7"	
h14	4	#5	15'-11"	
h15	10	#7	24'-6"	
h16	10	#7	26'-9"	
h17	26	#7	18'-3"	
h18	26	#7	19'-4"	
h19	12	#7	17'-10"	
h20	12	#7	14'-7"	
s	39	#4	5'-8"	
s1	39	#4	5'-9"	
s2	40	#4	6'-3"	
t	20	#4	5'-7"	
v	570	#7	10'-5"	
v1	1140	#7	5'-11"	
v2	334	#5	9'-2"	
v3	1140	#7	9'-2"	
v4	570	#7	4'-7"	
v5(E)	172	#7	8'-2"	
v6(E)	132	#7	7'-4"	
v7	24	#7	11'-8"	
v8	66	#7	17'-9"	
v9	54	#7	17'-8"	
v10	40	#7	10'-8"	
w	14	#5	47'-0"	
w1	14	#5	39'-6"	
z	132	#7	8'-3"	J
z1	132	#7	5'-7"	J
Concrete Box Culverts	Cu. Yd.	939.6		
Reinforcement Bars	Pound	210930		
Reinforcement Bars, Epoxy Coated	Pound	4850		

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PLOT DATE -
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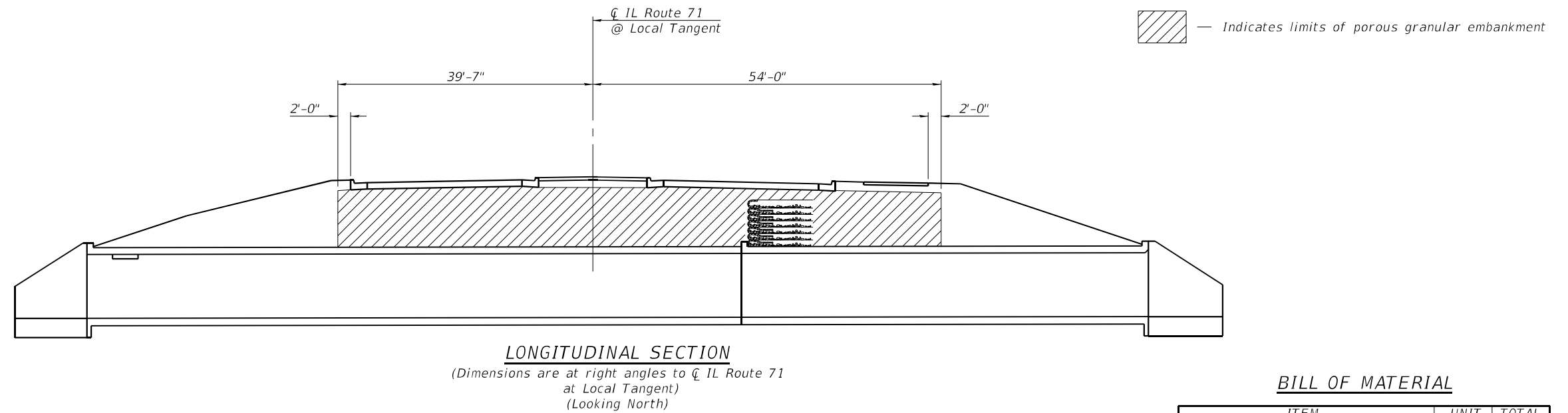
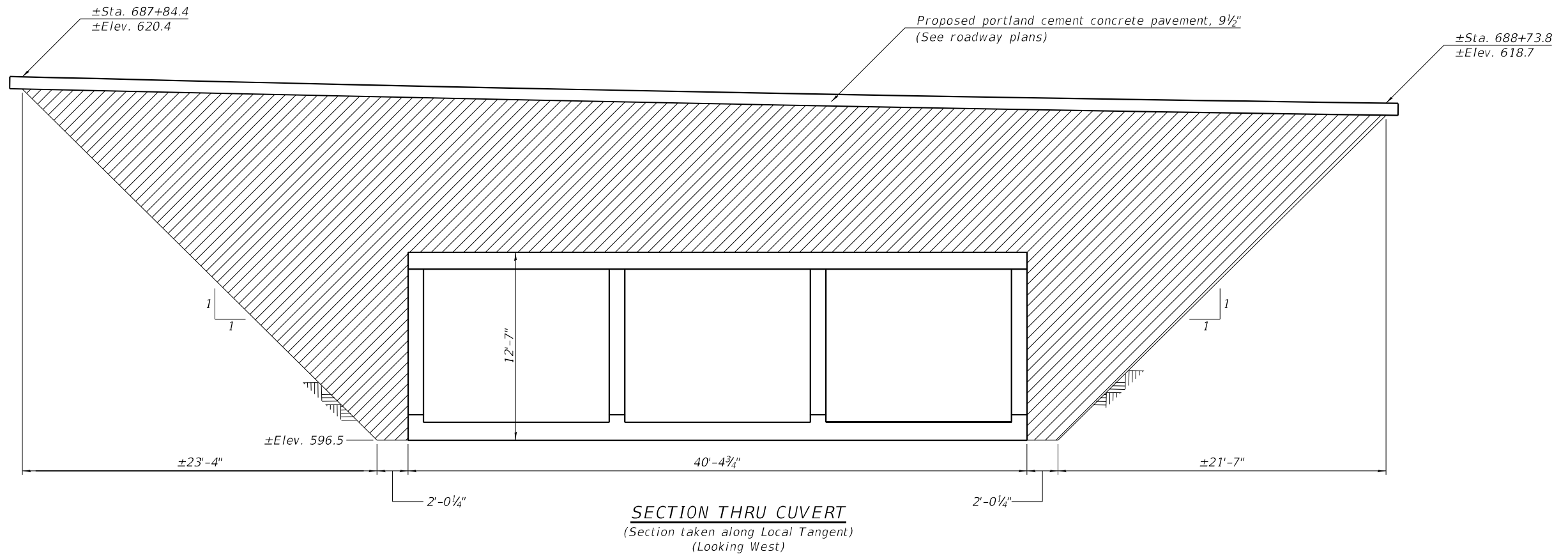
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS
STRUCTURE NO. 047-2050

SHEET 10 OF 14 SHEETS

F.A.P. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.
311 (1-1)R, BR 1 KENDALL 847 675
ILLINOIS FED. AID PROJECT CONTRACT NO. 66D26

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BILL OF MATERIAL

ITEM	UNIT	TOTAL
Porous Granular Embankment	Cu. Yd.	3140

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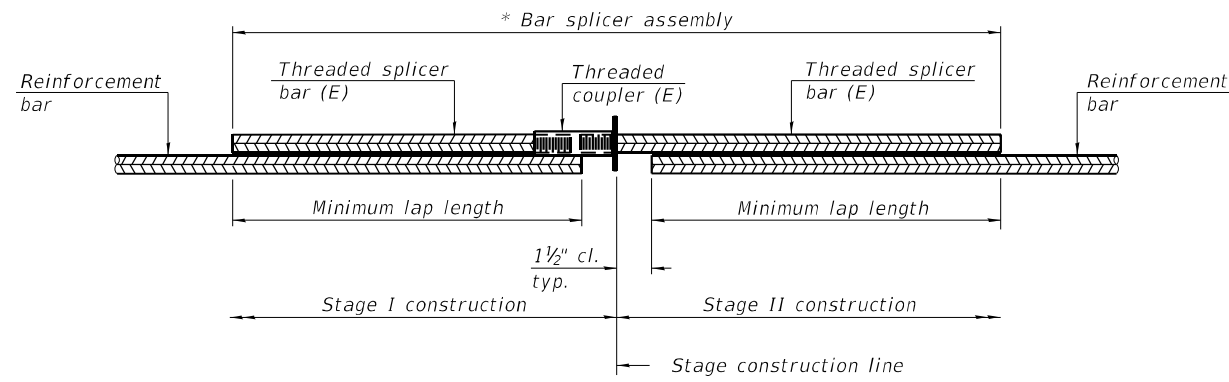
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS
STRUCTURE NO. 047-2050

SHEET 11 OF 14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)RBR 1	KENDALL	847	676
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				

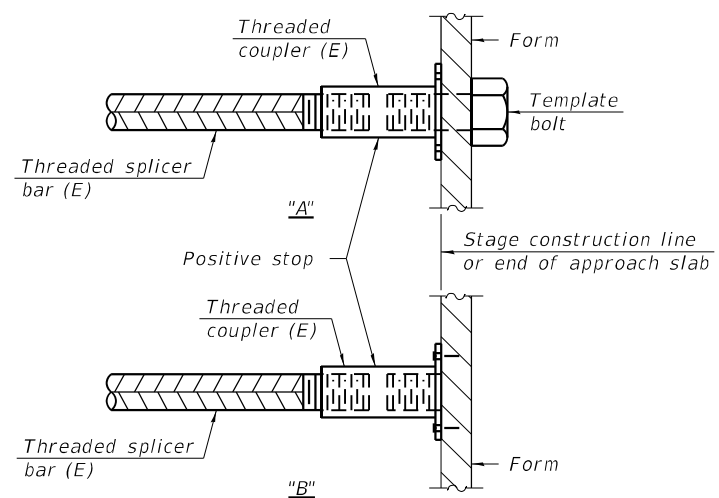


STANDARD BAR SPLICER ASSEMBLY PLAN
 (All components shall be provided from one supplier)

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

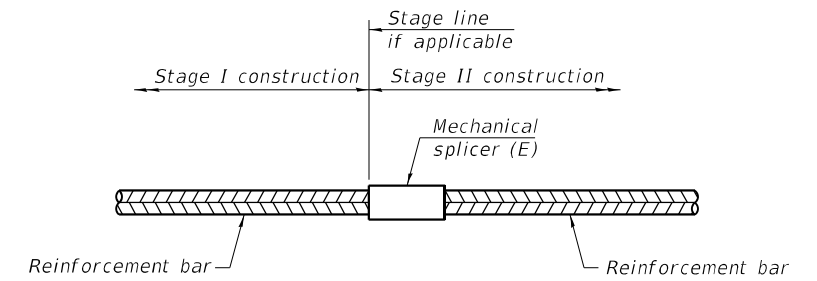
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
Top Slab	#5	80	2'-9"
Walls	#5	86	2'-9"
Bottom Slab	#5	80	2'-9"



INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
 "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
 (E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required

Notes:
 Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
 All reinforcement shall be lapped and tied to the splicer bars.
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
 See approved list of bar splicer assemblies and mechanical splicers for alternatives.

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BSD-1

1-1-2020

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PLOT SCALE =	DRAWN - GBR	REVISED -
PLOT DATE =	CHECKED - JGY	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 047-2050

SHEET 12 OF 14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R.BR 1	KENDALL	847	677
CONTRACT NO. 66D26				
		ILLINOIS	FED. AID PROJECT	



SOIL BORING LOG

Date 9/24/93

ROUTE FAP 311 (IL 71) DESCRIPTION IL 71 Over Morgan Creek, East of Yorkville LOGGED BY K Whittington

SECTION 1-A BR LOCATION SW1/4, SEC. 26, TWP. 37, RNG. 7, 3rd PM, Latitude , Longitude

COUNTY Kendall DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME

STRUCT. NO.	STATION	BORING NO.	Station	Offset	Ground Surface Elev.	ft	D	B	U	M	Surface Water Elev.	ft	D	B	U	M
						(ft)	(ft)	(/6")	(tsf)	(%)			(ft)	(/6")	(tsf)	(%)
047-2050 Pro. 047-0059 Exist.	688+30	1 (N. Abut.)	688+80	17.0 ft Left	616.20											
Not Recorded																
Medium Brown Silty Clay with Gravel (Fill)						613.70		3						14		
Soft Brown Silty Clay Loam (Fill)						611.70		2								
Dolomite						589.70										
Medium Brown Sand/Gravel (Fill)						608.20		4	0.7	14						
Stiff Brown Silty Clay Loam with Gravel Pebbles (Fill)						606.70		3	1.5	20						
Soft to Medium Brown Silty Clay with Pebbles (Fill?)						601.70		3								
Medium Dark Gray to Black Loamy Sand Gravel with Angular Dolomite Pieces mixed with Gray Silty Loam Till - Free Water						599.20		7								
Auger Refusal @ 27.5' End of Boring						588.70										

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)



SOIL BORING LOG

Date 9/24/93

ROUTE FAP 311 (IL 71) DESCRIPTION IL 71 Over Morgan Creek, East of Yorkville LOGGED BY K Whittington

SECTION 1 A BR LOCATION SW1/4, SEC. 26, TWP. 37, RNG. 7, 3rd PM, Latitude , Longitude

COUNTY Kendall DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME

STRUCT. NO.	STATION	BORING NO.	Station	Offset	Ground Surface Elev.	ft	D	B	U	M	Surface Water Elev.	ft	D	B	U	M
						(ft)	(ft)	(/6")	(tsf)	(%)			(ft)	(/6")	(tsf)	(%)
047-2050 Pro. 047-0059 Exist.	688+30	2 (S. Abut.)	688+00	16.0 ft Left	618.50											
Gravel, Buried Concrete, Brown Soil																
Dense Wet Gray Sand & Gravel with Gray Till and Large Pieces of Weathered Dolomite (continued)						596.50										
Dense Hard Gray Silty Loam Till with Rock Pieces						595.00								18		
Gray Shale with some Dolomite Layers						613.50								76	>4.5	6
Soft Brown Silty Clay Loam & Gravel Mix (Fill)						606.50		3						100/4"		
Dark Gray & Black Silty Clay & Gravel Mix (Fill)						604.50		3								
Medium Gray Loam Gravel (Fill?)						601.50		51								
Soft Black Silty Clay with some Gravel Pieces						599.00		4								
Auger Refusal @ 29.5' End of Boring						509.00								100/2"		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

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403 NORTH COURT STREET
MARIETTA, IL 61766-5299
PHONE - 815.267.9190

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PLOT SCALE	DRAWN	REVISION
PLOT DATE	CHECKED	REVISION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 047-2050

SHEET 13 OF 14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R, BR 1	KENDALL	847	678
CONTRACT NO. 66D26				
ILLINOIS		FED. AID PROJECT		



SOIL BORING LOG

Date 9/28/93

ROUTE FAP 311 (IL 71) DESCRIPTION IL 71 Over Morgan Creek, East of Yorkville LOGGED BY K Whittington

SECTION 1-A BR LOCATION SW1/4, SEC. 26, TWP. 37, RNG. 7, 3rd PM, Latitude, Longitude

COUNTY Kendall DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME

STRUCT. NO. 047-2050 Pro. 047-0059 Exist. Station 688+30
 BORING NO. 3 (Bridge Deck) Station 688+40 Offset 5.5 ft Left Ground Surface Elev. 617.40 ft
 Surface Water Elev. 597.90 ft Stream Bed Elev. 597.40 ft
 Groundwater Elev.: First Encounter 597.9 ft Upon Completion After Hrs. ft

DEPTH (ft)	SOIL DESCRIPTION	UCS (tsf)	MOISTURE (%)
0	Bridge Deck		
5	Streambed. Augered 5'		
80	Borehole continued with rock coring.		
597.9	Top of Water @ 597.9		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
 BBS, form 137 (Rev. 8-99)



ROCK CORE LOG

Date 9/28/93

ROUTE FAP 311 (IL 71) DESCRIPTION IL 71 Over Morgan Creek, East of Yorkville LOGGED BY K Whittington

SECTION 1 A BR LOCATION SW1/4, SEC. 26, TWP. 37, RNG. 7, 3rd PM, Latitude, Longitude

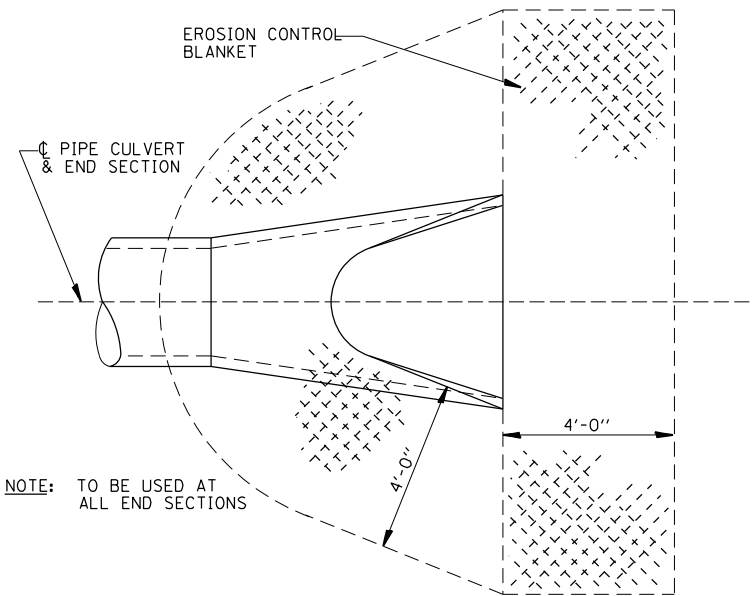
COUNTY Kendall CORING METHOD

STRUCT. NO. 047-2050 Pro. 047-0059 Exist. Station 688+30
 BORING NO. 3 (Bridge Deck) Station 688+40 Offset 5.5 ft Left Ground Surface Elev. 617.40 ft
 CORING BARREL TYPE & SIZE
 Core Diameter in
 Top of Rock Elev. 592.40 ft
 Begin Core Elev. 592.40 ft

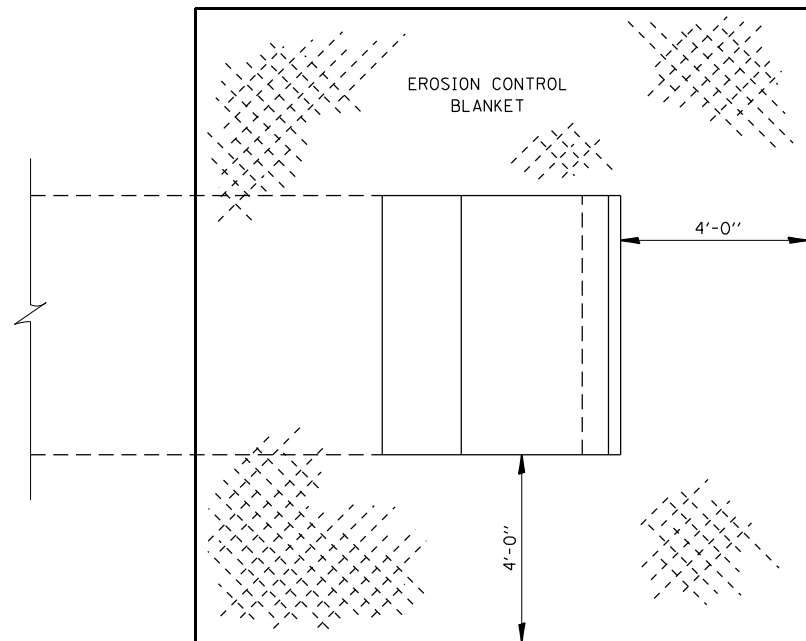
DEPTH (ft)	ROCK DESCRIPTION	RECOVERY (%)	RECOVERY (%)	CORE TIME (min/ft)	STRENGTH (tsf)
592.40	Siltstone, Fine, Black to Gray, Contains Fossils, Argillaceous with Dolomite Cement	93	43		
591.50	Shale, Gray, Mudstone, Calcareous				
591.10	Dolomite, Dark Gray, Dense, Contains many Fragmented Fossils and Crystalline Calcite Cement, Vuggy & Vesicular with Calcite and Pyrite Crystals, Occasional areas of Wavy Shale Partings				
	Fort Atkinson Formation Maquoketa Group Ordovician System				
280.0					
211.0					
582.90	End of Boring				

Color pictures of the cores Yes
 Cores will be stored for examination until No
 The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)
 BBS, form 138 (Rev. 8-99)

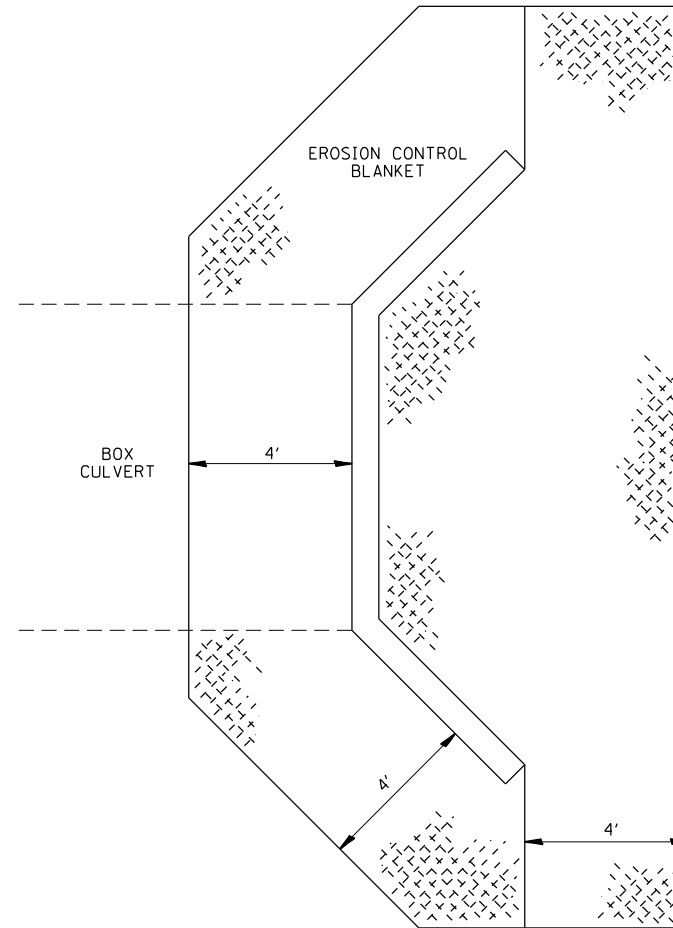
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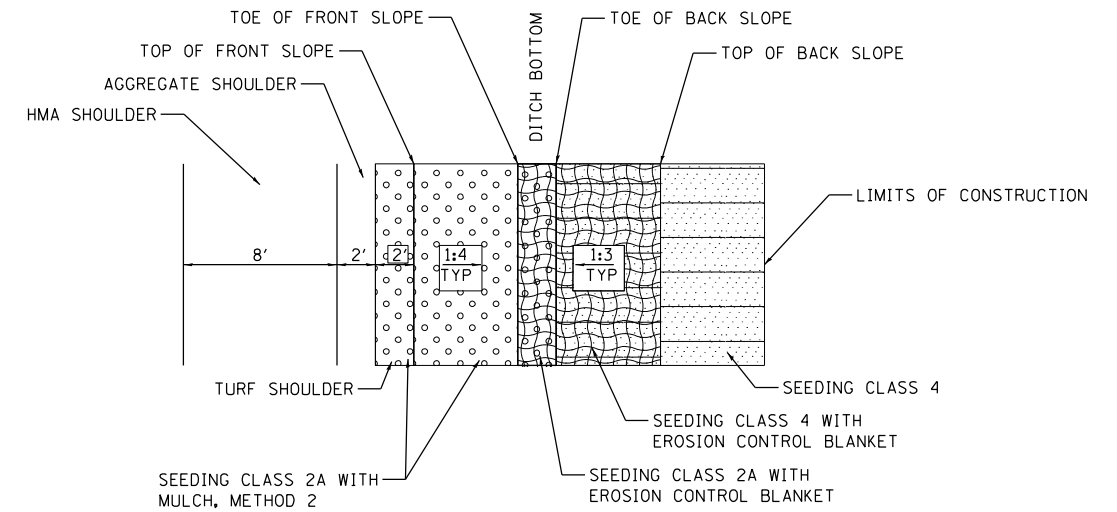
DETAIL OF EROSION CONTROL BLANKET LINING AROUND END SECTION



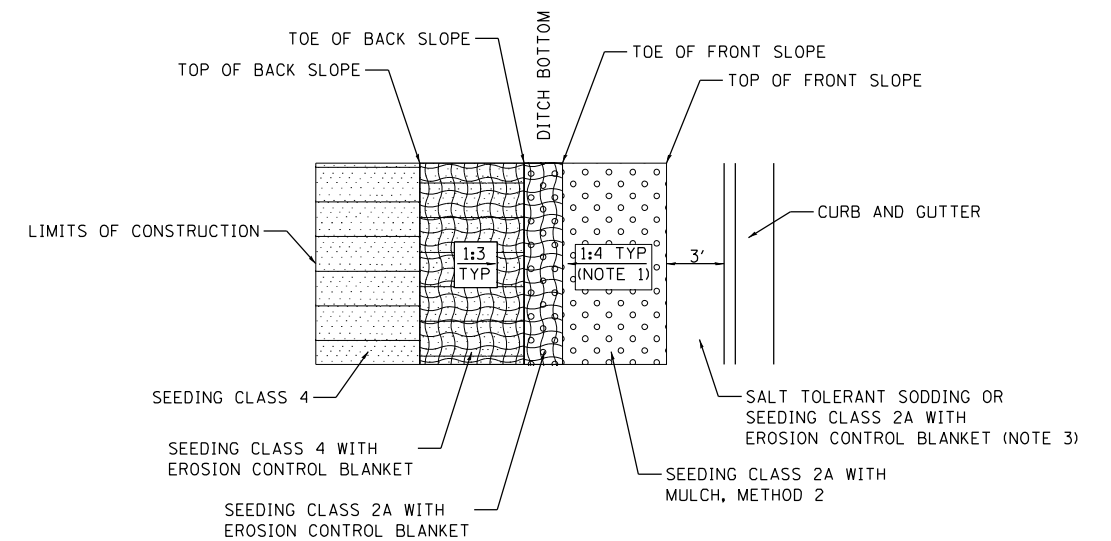
EROSION CONTROL BLANKET AT PRECAST BOX CULVERT END SECTIONS



EROSION CONTROL BLANKET AT BOX CULVERT END SECTIONS



IN SHOULDER AREAS



IN CURB AND GUTTER AREAS

- NOTES:
1. IN LOCATIONS WITH FORE SLOPES 1:3 OR STEEPER USE EROSION CONTROL BLANKET INSTEAD OF MULCH.
 2. SEE LANDSCAPING & EROSION CONTROL PLANS FOR EXACT LOCATIONS OF LANDSCAPING ITEMS.
 3. SEE LANDSCAPING AND EROSION CONTROL SHEETS FOR LOCATIONS.

TYPICAL LANDSCAPING DETAILS

MODEL: Default
FILE NAME: ...0366026-shc-eroblif.dgn

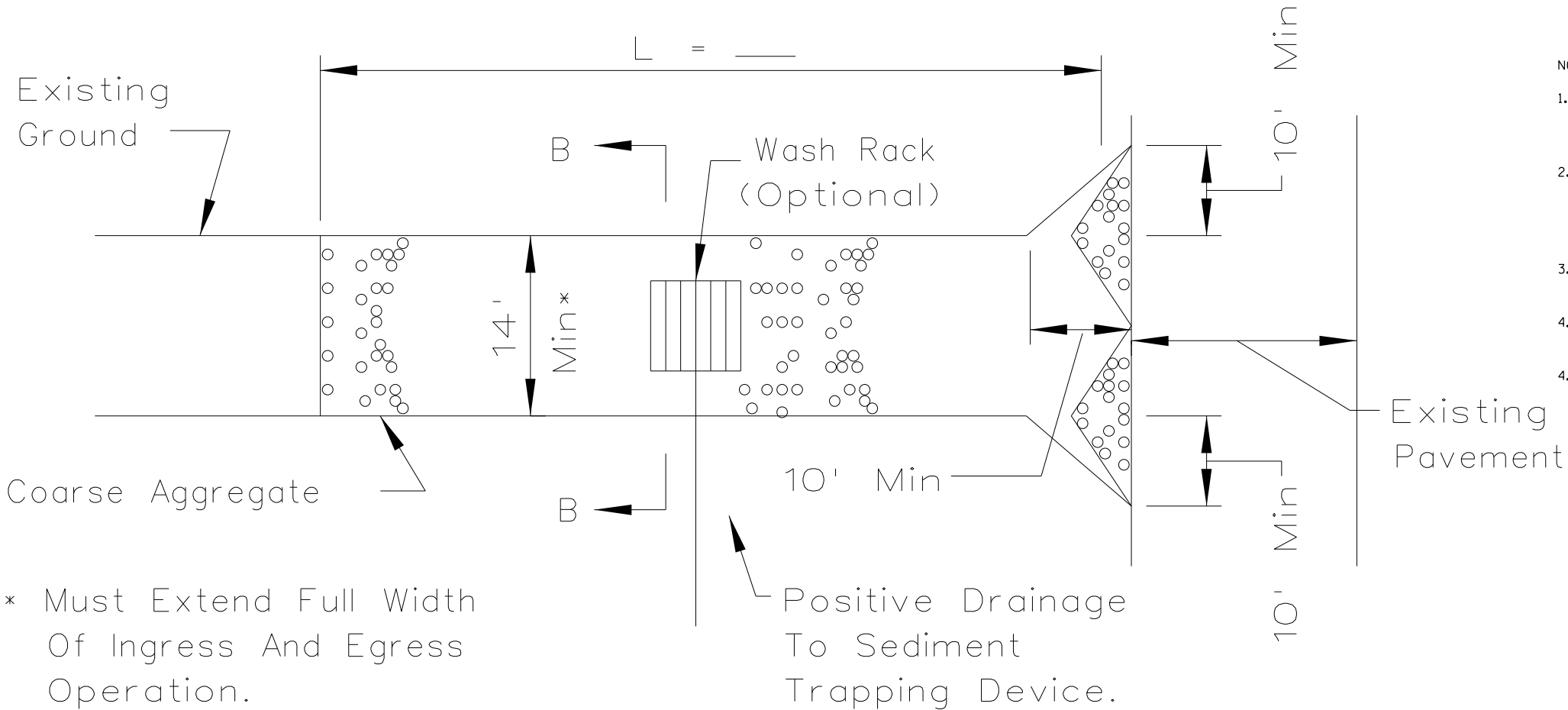
USER NAME = dhawes	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 4/27/2022 - 11:57:38 AM	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL
DETAILS**

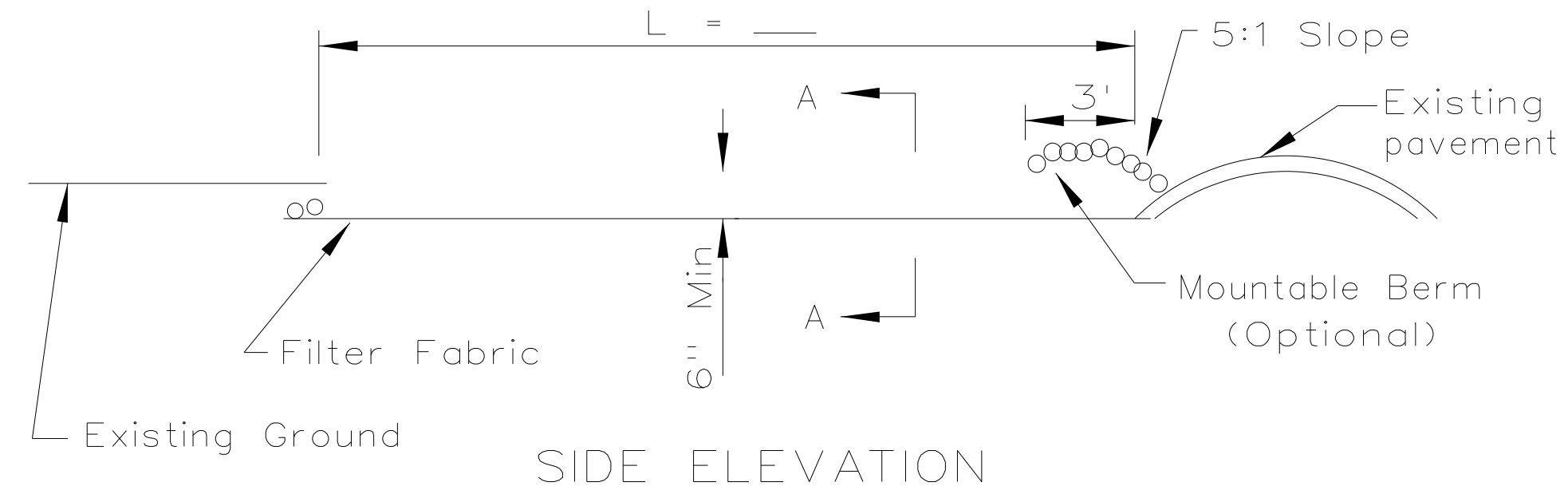
SCALE: SHEET 1 OF 33 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R,BR1	KENDALL	847	680
			CONTRACT NO. 66D26	
ILLINOIS FED. AID PROJECT				



* Must Extend Full Width Of Ingress And Egress Operation.

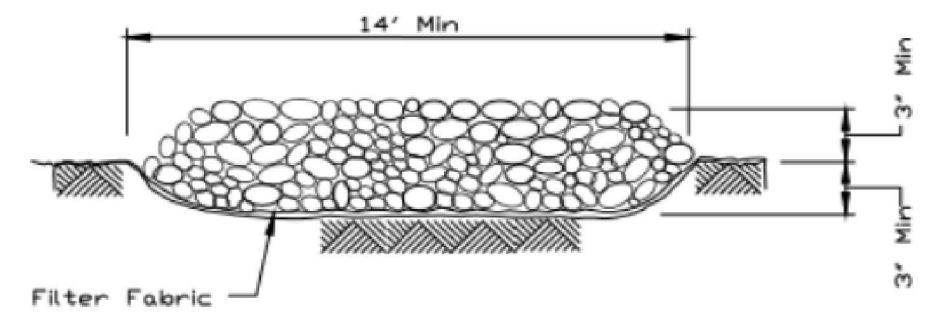
PLAN VIEW



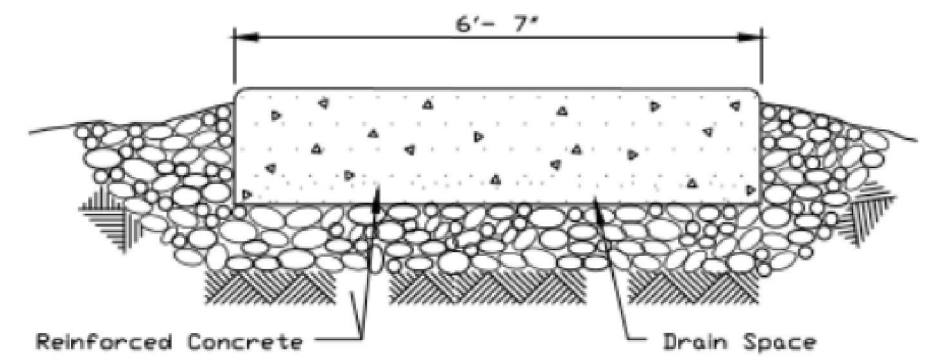
SIDE ELEVATION

NOTES:

1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table I or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.
2. Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
3. Any drainage facilities required because of washing shall be constructed according to manufacturers specifications.
4. If wash racks are used they shall be installed according to the manufacturer's specifications.
4. Construction entrances required at every ingress and egress location. To be determined by contractor



SECTION A-A



SECTION B-B

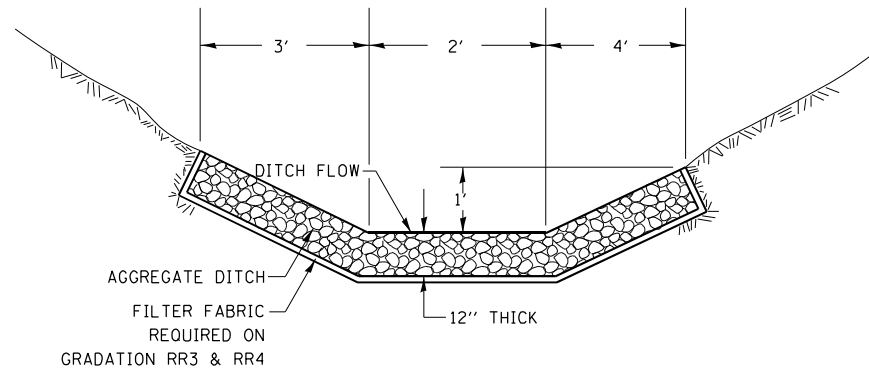
MODEL: Default
FILE NAME: ...0366D26-stc-entrance.dgn

USER NAME = dhawes	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 4/27/2022 - 11:57:39 AM	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STABILIZED CONSTRUCTION ENTRANCE DETAILS			
SCALE:	SHEET 2	OF 33 SHEETS	STA. TO STA.

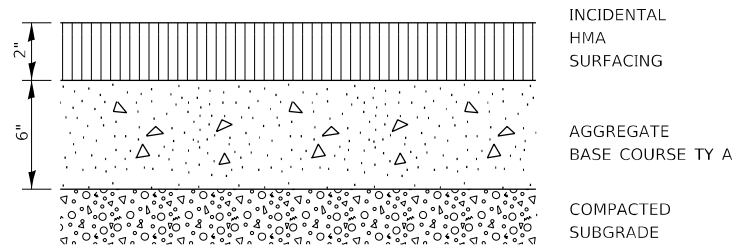
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R,BR1	KENDALL	847	681
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				



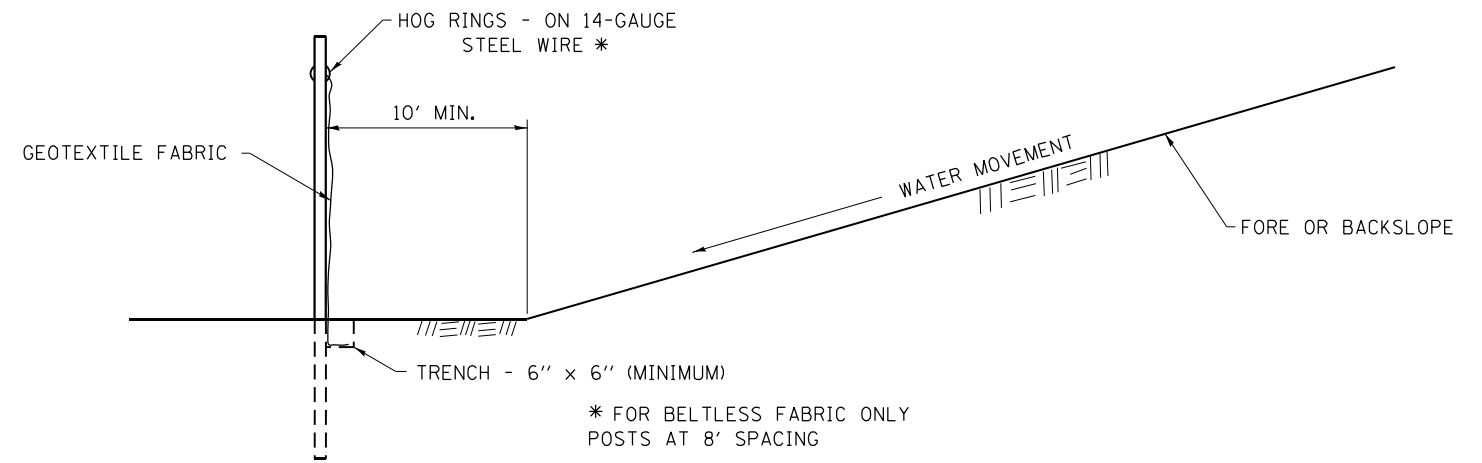
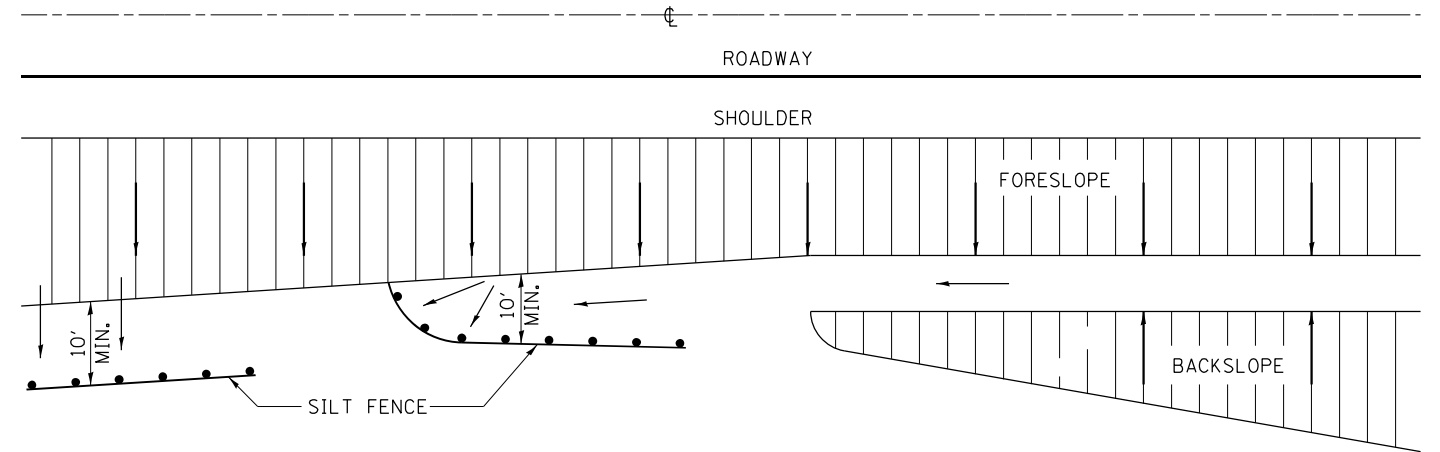
CLASS A3 WILL BE REQUIRED ON THIS PROJECT AT THE LOCATION SHOWN ON THE PLANS.

THIS WORK SHALL BE DONE ACCORDING TO SECTION 283 OF THE STANDARD SPECIFICATION. AGGREGATE DITCH WILL BE MEASURED FOR PAYMENT IN TONS ACCORDING TO ARTICLE 311.08(b). AGGREGATE DITCH WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR AGGREGATE DITCH.

AGGREGATE DITCH FOR FLEXIBLE DITCH LINING



BICYCLE PATH OR SHARED-USE TRAIL CROSS SECTION



DETAILS OF SILT FENCE

EROSION CONTROL DETAILS FOR SILT FENCE

MODEL: Default
FILE NAME: ..._0366026-shr-erectile.dgn

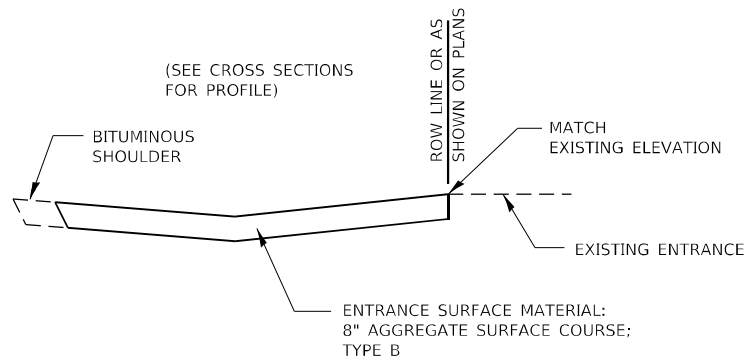
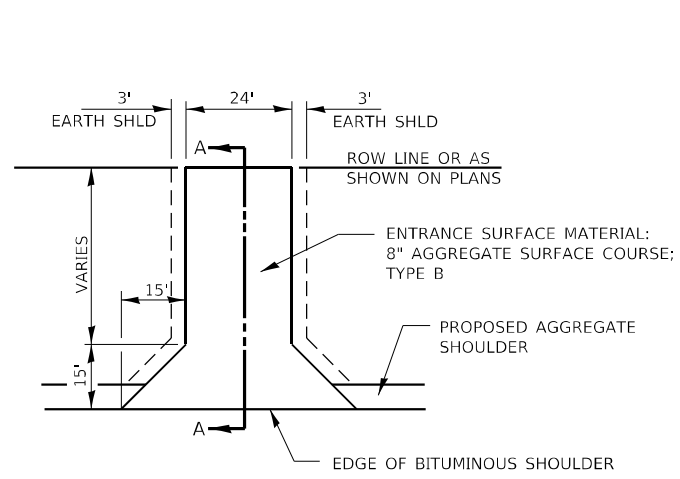
USER NAME = dhawes	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 4/27/2022 - 11:57:40 AM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

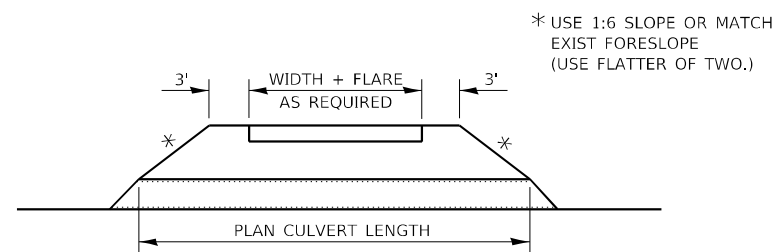
EROSION CONTROL & SHARED-USE PATH
DETAILS

SCALE: SHEET 3 OF 33 SHEETS STA. TO STA.

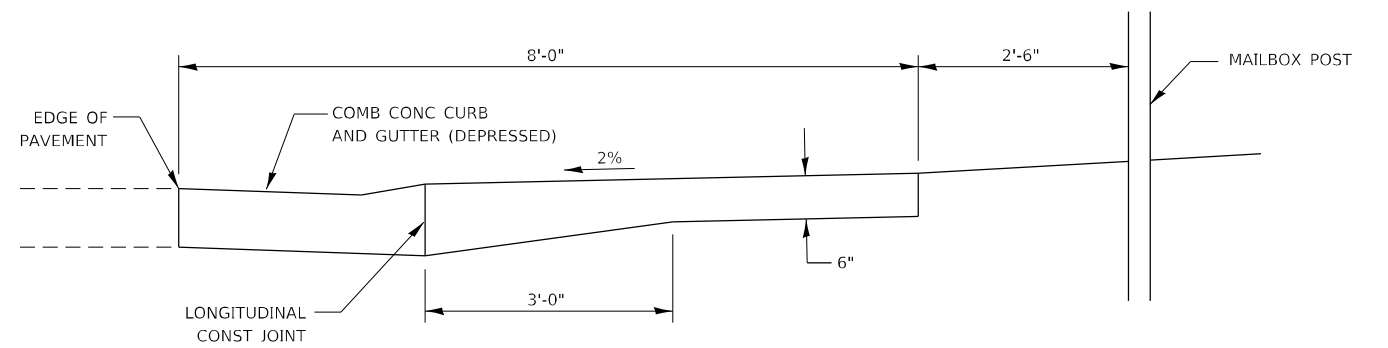
F.A.P. RTE. 311	SECTION (1-1)R, BR1	COUNTY KENDALL	TOTAL SHEETS 847	SHEET NO. 682
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				



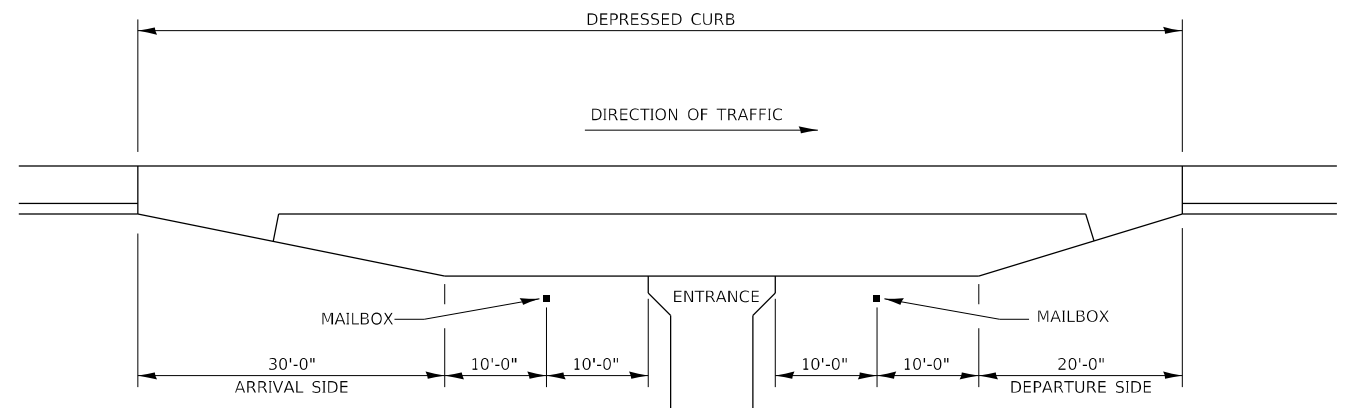
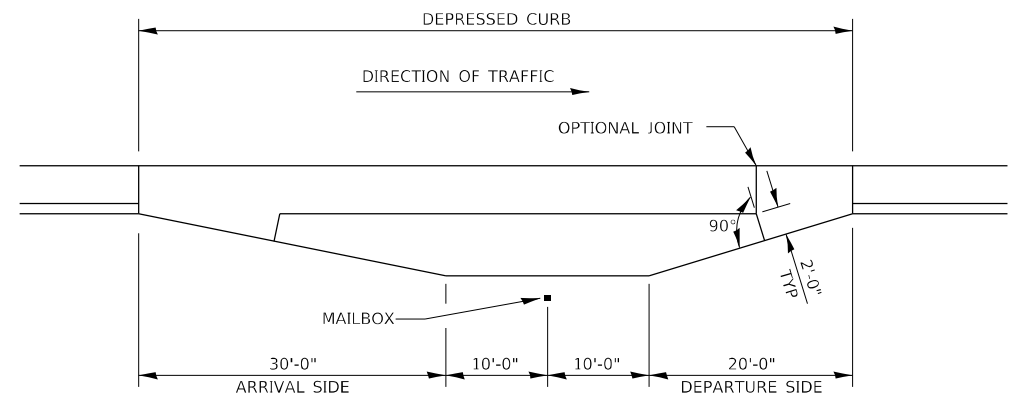
SECTION A-A



FIELD ENTRANCE DETAIL



TYPICAL CROSS SECTION



DETAIL OF MAILBOX TURNOUT IN CURB AND GUTTER SECTION

TYPICAL INSTALLATION

GENERAL NOTES

1. THE LONGITUDINAL CONSTRUCTION JOINT SHALL CONFORM TO SECTION 420.05 OF THE STANDARD SPECIFICATIONS.
2. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR PC CONCRETE DRIVEWAY PAVEMENT OF THE THICKNESS SPECIFIED ON THE PLANS WHICH PRICE SHALL INCLUDE THE LONGITUDINAL CONSTRUCTION JOINT, AND THE ADDITIONAL THICKNESS REQUIRED TO TRANSITION TO THE DEPRESSED COMBINATION CONCRETE CURB AND GUTTER.
3. MAINTAIN A MINIMUM 10' TANGENT SECTION FROM EACH SIDE OF MAILBOX.

MAILBOX TURNOUT WITH URBAN TYPICAL

MODEL: Default
FILE NAME: ...0366D26-shc-rev01.dgn

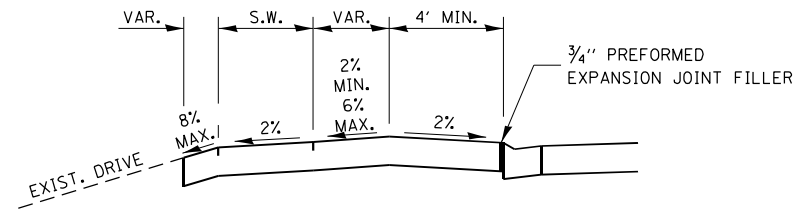
USER NAME = dhawes	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 4/27/2022 - 11:57:40 AM	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RURAL ENTRANCE AND
MAILBOX TURNOUT DETAILS**

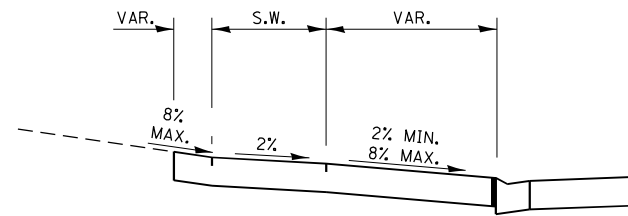
SCALE: SHEET 4 OF 33 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R.BR1	KENDALL	847	683
CONTRACT NO. 66D26			ILLINOIS FED. AID PROJECT	

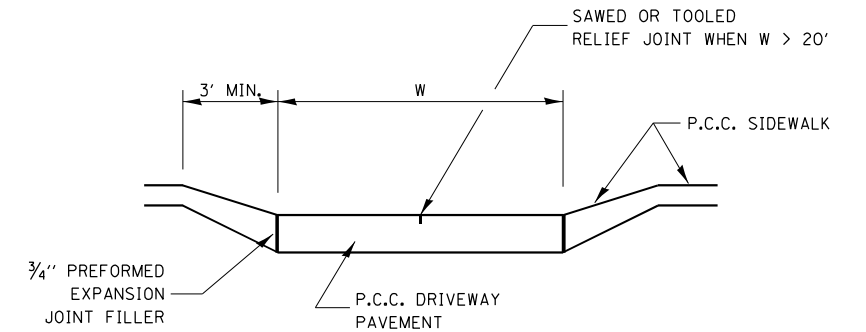


DEPRESSED ENTRANCE *
SECTION A-A

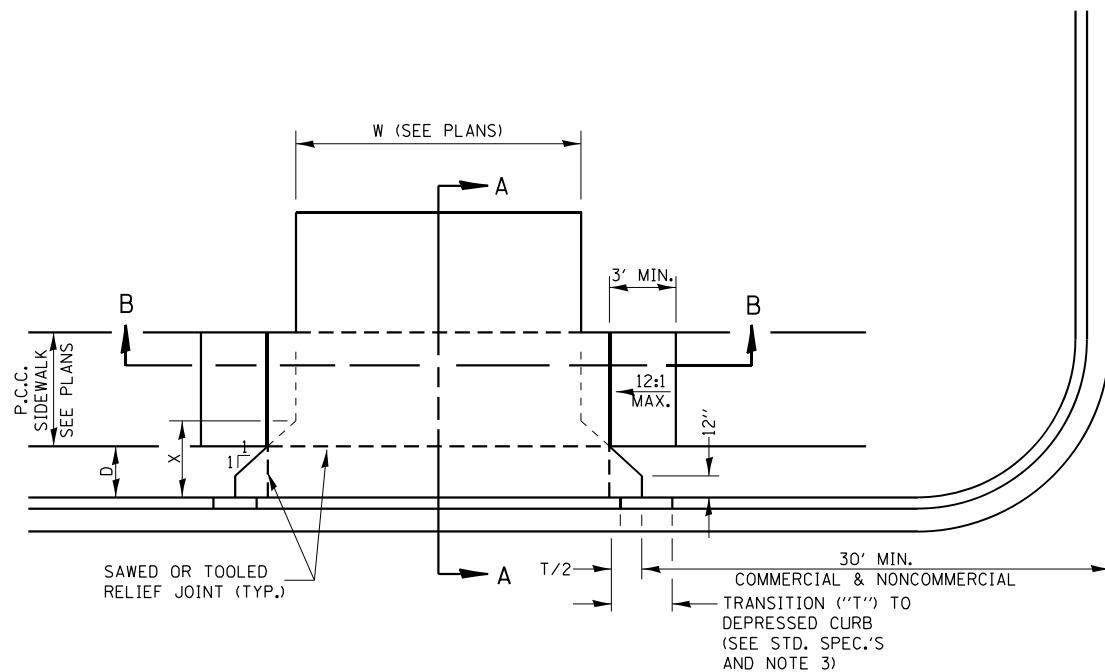
*(SEE X-SECTIONS FOR ENTRANCE PROFILE.)



ELEVATED ENTRANCE *
SECTION A-A



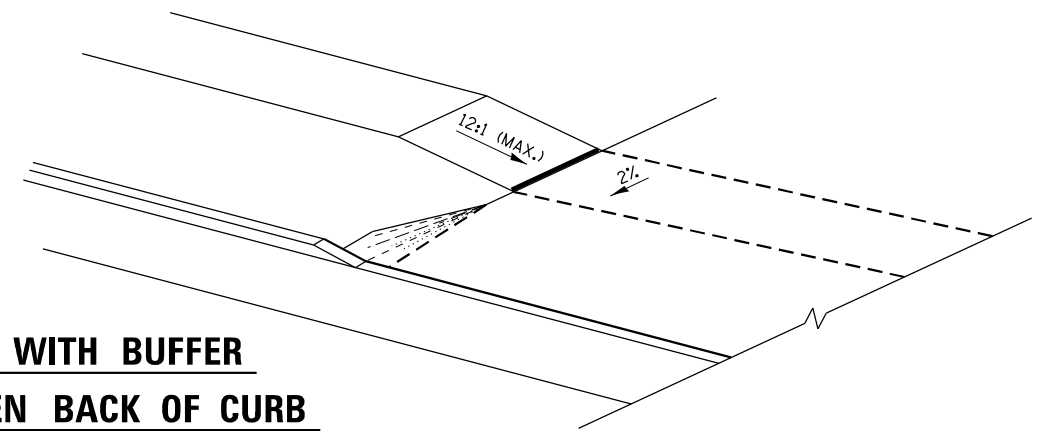
SECTION B-B



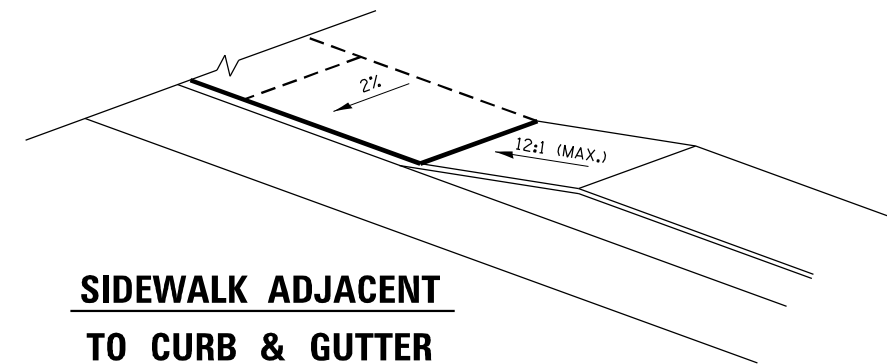
CASE I (D < X)

GENERAL NOTES:

- X = 15' FOR ALL CASES
- COST OF EXPANSION JOINTS AND RELIEF JOINTS SHALL BE INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT.
- AS THE DIMENSION "D" APPROACHES ZERO, THE TRANSITION TO DEPRESSED CURB SHALL BE NO STEEPER THAN 12:1



SIDEWALK WITH BUFFER
AREA BETWEEN BACK OF CURB



SIDEWALK ADJACENT
TO CURB & GUTTER

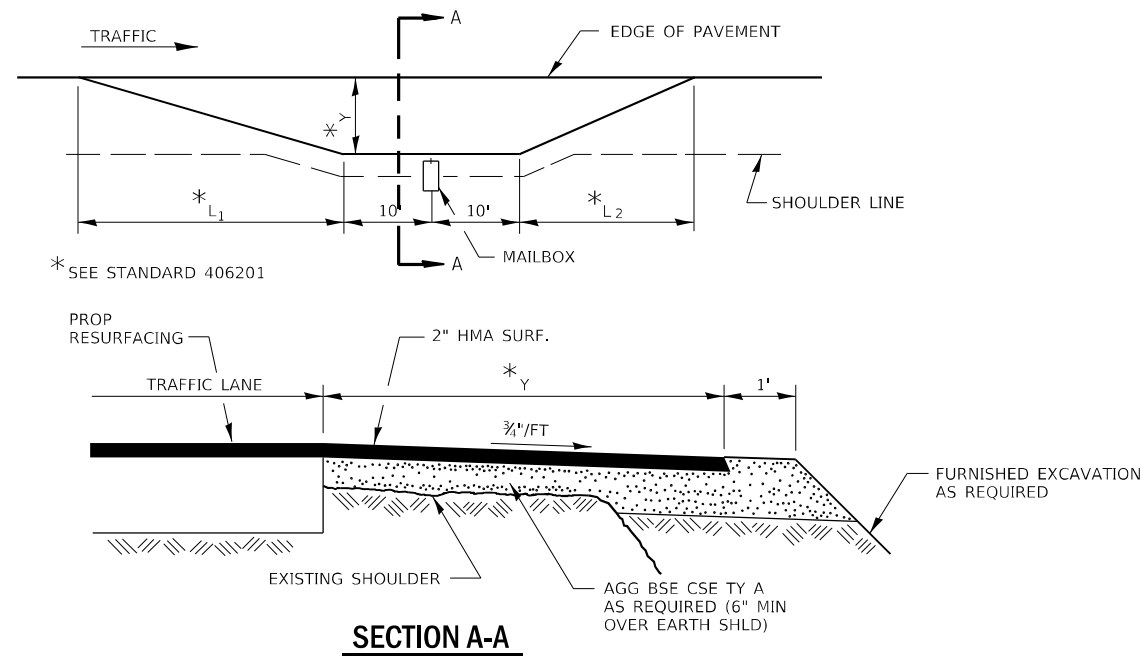
PCC URBAN ENTRANCES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

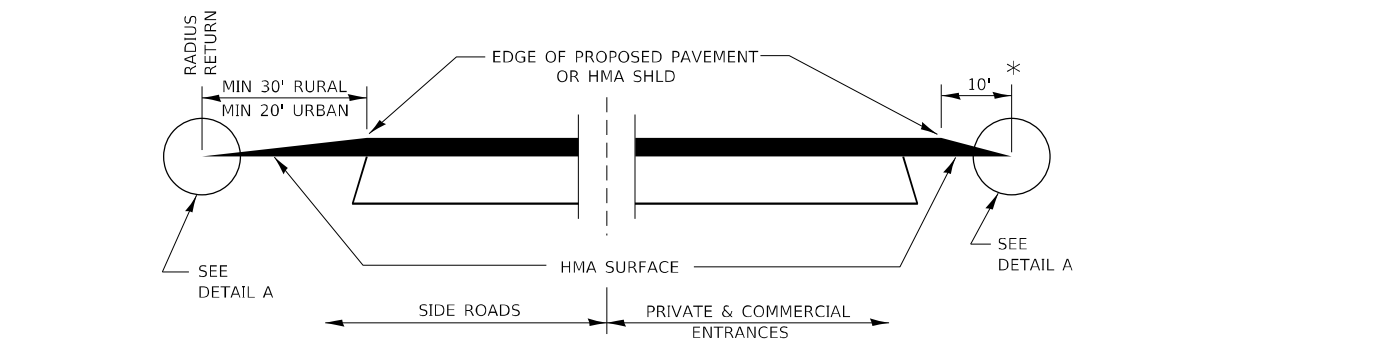
URBAN ENTRANCE AND
SIDEWALK DETAILS

SCALE: SHEET 5 OF 33 SHEETS STA. TO STA.

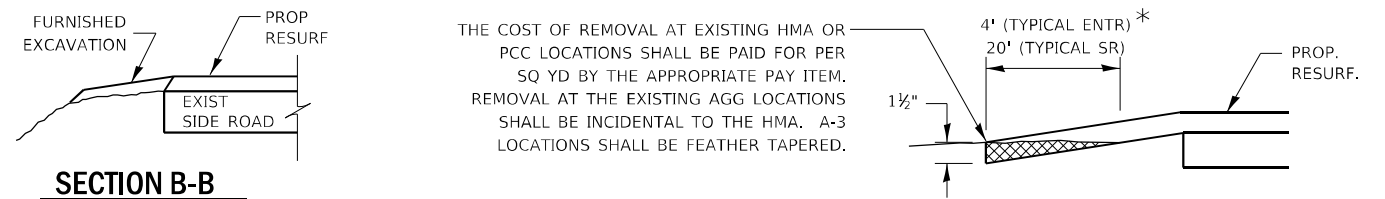
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R,BR1	KENDALL	847	684
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66D26	



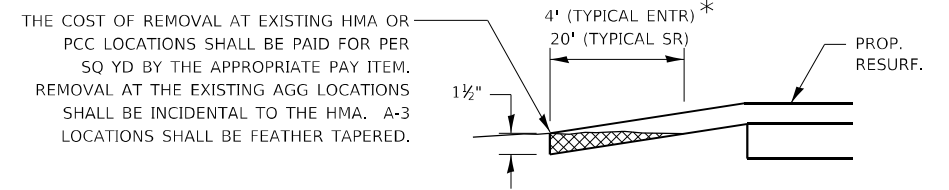
RURAL MAILBOX TURNOUT DETAILS



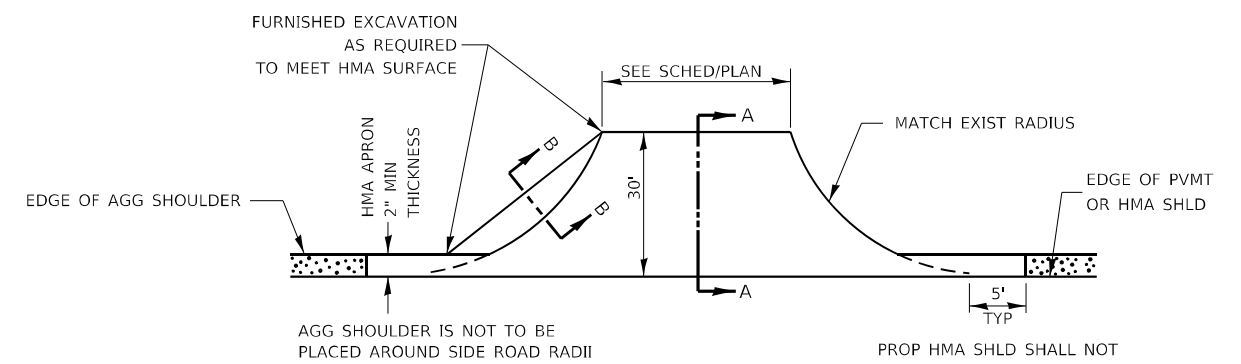
**SECTION A-A
DETAILS AT ENTRANCES & SIDE ROADS**



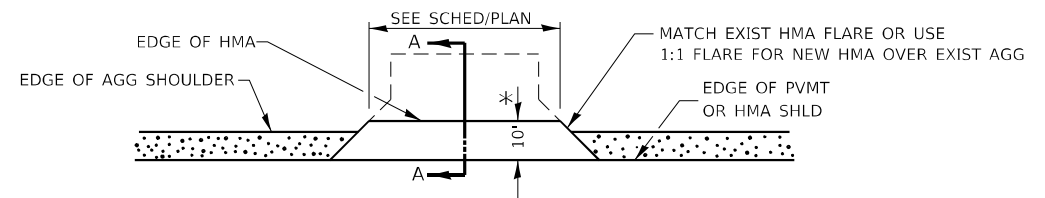
SECTION B-B



DETAIL A



PLAN AT SIDE ROADS



PLAN AT PRIVATE & COMMERCIAL ENTRANCES

(DO NOT RESURFACE FIELD ENTRANCES)

* PROPOSED HMA RESURFACING AT PUBLIC EDUCATIONAL FACILITY ENTRANCES SHALL BE EXTENDED TO THE RIGHT-OF-WAY LIMITS.

MODEL: Default
FILE NAME: ...0366026-shc-rev01.dgn

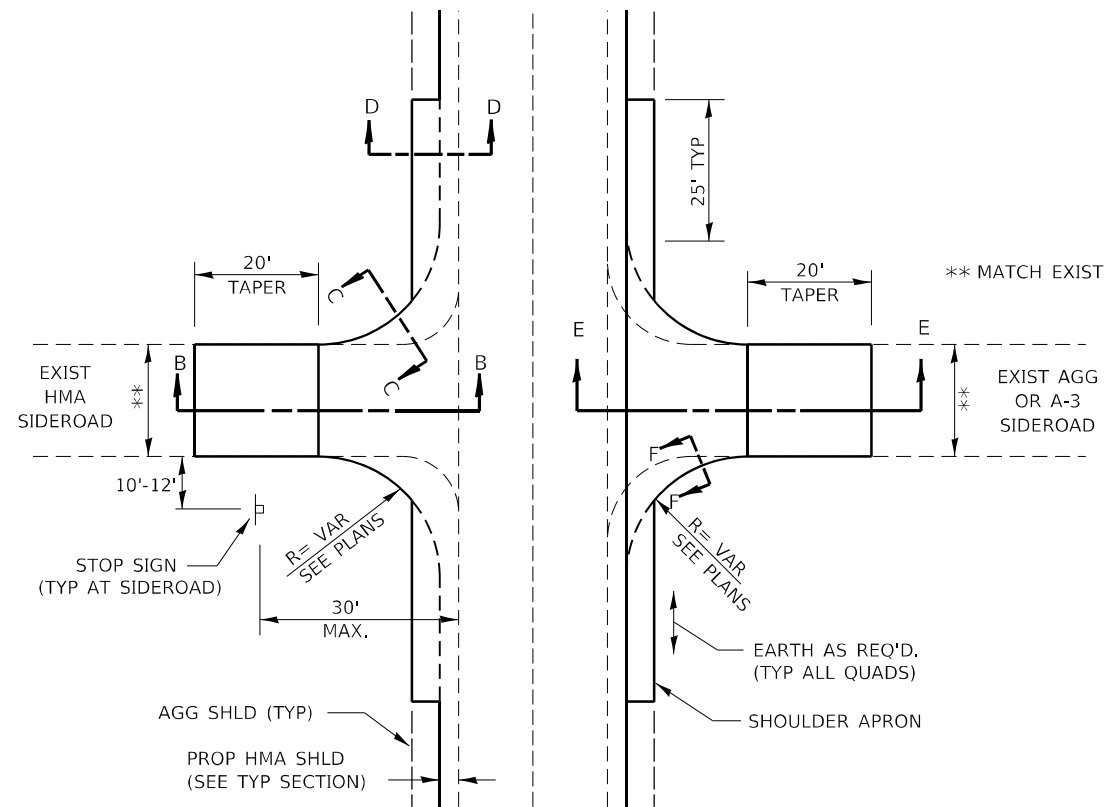
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	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 4/27/2022 - 11:57:41 AM	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

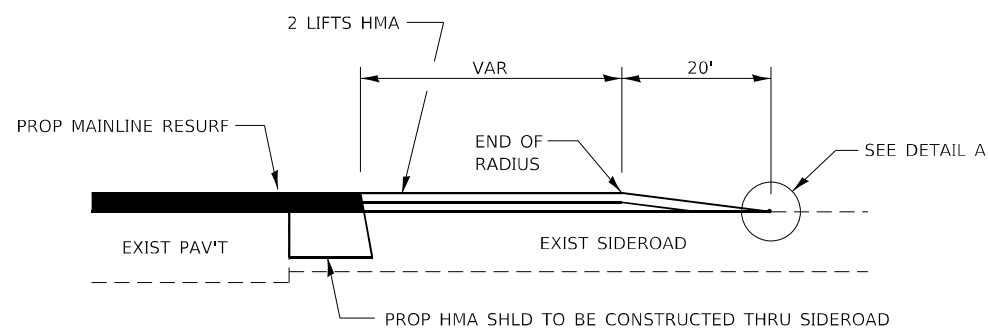
**PRIVATE ENTRANCE
DETAILS**

SCALE: SHEET 6 OF 33 SHEETS STA. TO STA.

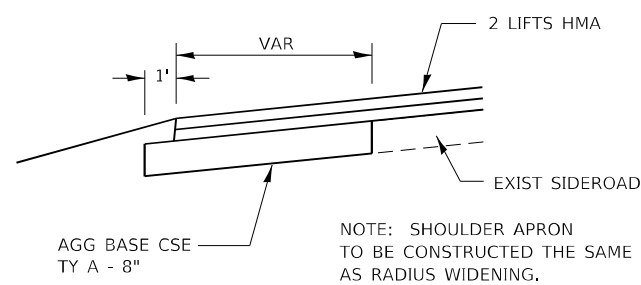
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R,BR1	KENDALL	847	685
			CONTRACT NO. 66D26	
ILLINOIS FED. AID PROJECT				



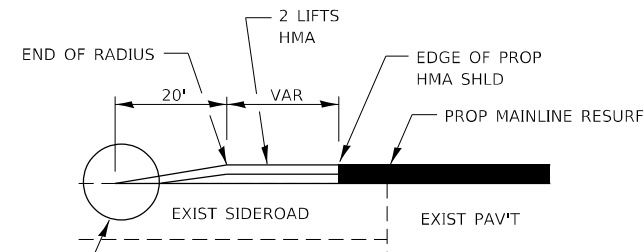
SIDEROAD DETAIL



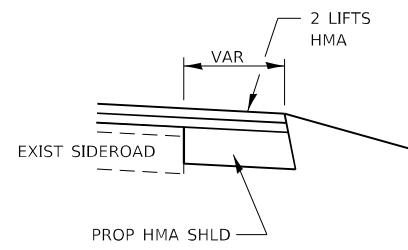
SECTION E-E



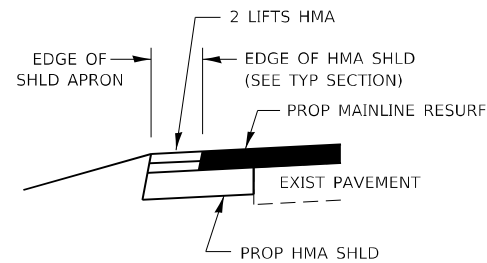
SECTION F-F



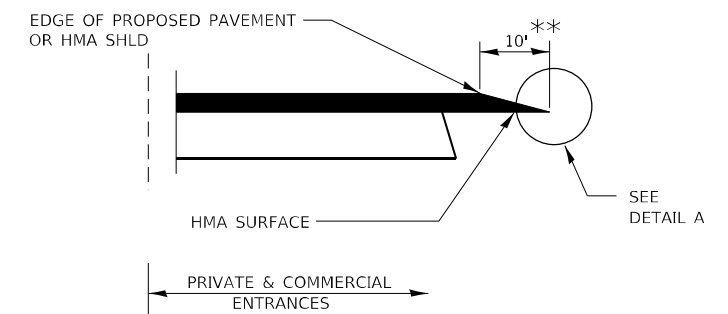
SECTION B-B



SECTION C-C

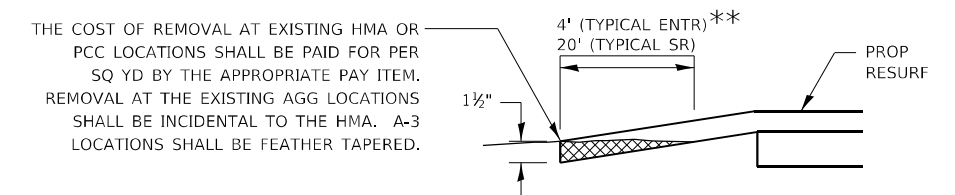


SECTION D-D



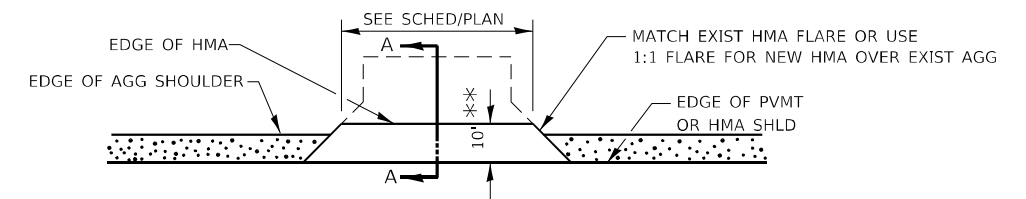
SECTION A-A

DETAILS AT ENTRANCES



DETAIL A

** PROPOSED HMA RESURFACING AT PUBLIC EDUCATIONAL FACILITY ENTRANCES SHALL BE EXTENDED TO THE RIGHT-OF-WAY LIMITS.



PLAN AT PRIVATE & COMMERCIAL ENTRANCES

(DO NOT RESURFACE FIELD ENTRANCES)

MODEL: Default
FILE NAME: ...0366026-shr-entrance.dgn

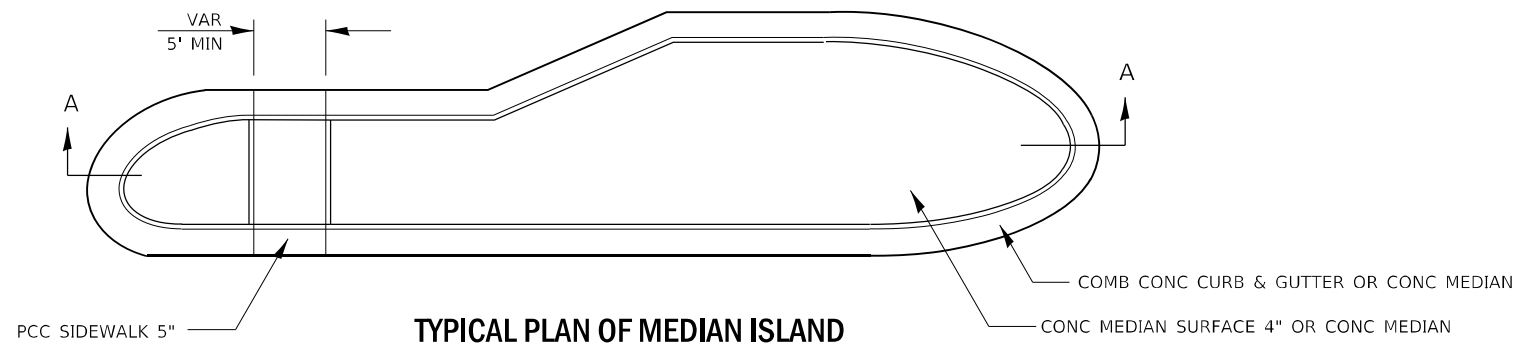
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PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 4/27/2022 - 11:57:44 AM	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET 7 OF 33 SHEETS STA. TO STA.

**SIDEROAD
DETAILS**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R,BR1	KENDALL	847	686
			CONTRACT NO. 66D26	
ILLINOIS FED. AID PROJECT				



GENERAL NOTES

SEE STANDARDS 606001, 606301, 424031, AND PLAN SHEETS FOR STATION, OFFSETS, RADII, DIMENSIONS, AND DETAILS NOT SHOWN.

THE SIDEWALK SHOULD DRAIN TO THE LOW SIDE OF THE ISLAND. IF NECESSARY THE SIDEWALK SHALL BE SLOPED TO DRAIN AT A MAXIMUM 2% GRADE.

SEE THE PLAN SHEETS FOR THE TYPE OF CURB & GUTTER TO BE USED ON ISLANDS.

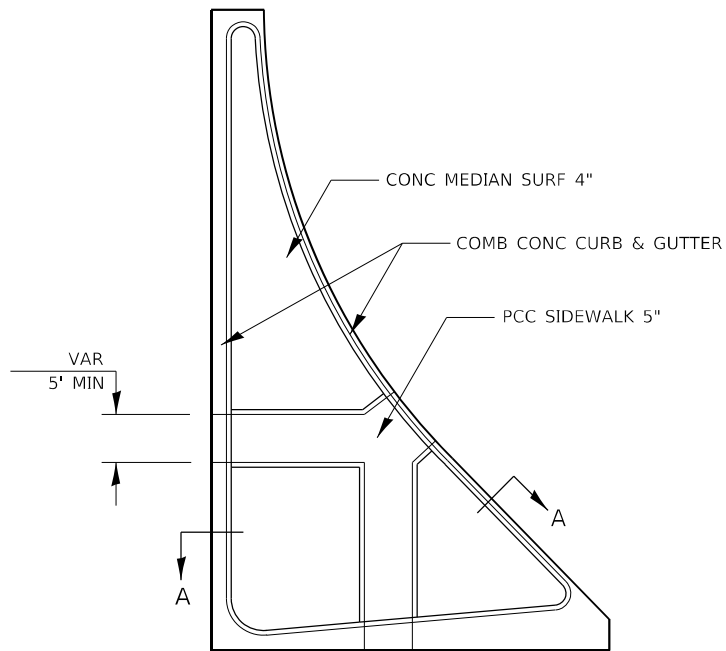
THE SIDEWALK SHOULD NOT BE CLOSER THAN 3' FROM THE CORNER OF THE ISLAND.

KEYED LONGITUDINAL CONSTRUCTION JOINTS SHALL BE CONSTRUCTED WITHOUT TIE BARS.

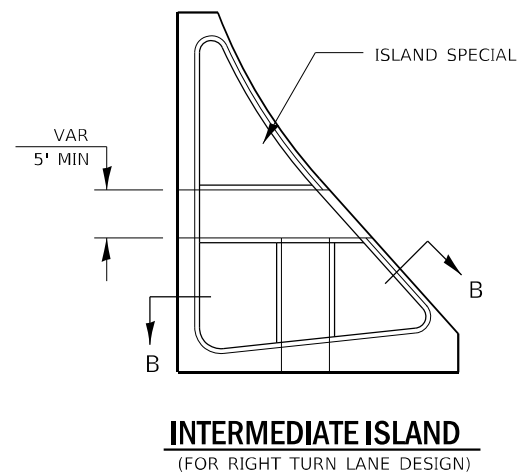
MEDIANS AND LARGE ISLANDS SHALL CONSIST OF PCC SIDEWALK 5", CONCRETE MEDIANS SURFACE 4", CONCRETE CURB, AND COMBINATION CONCRETE CURB & GUTTER, TYPE M OR B OR THE SIZE SPECIFIED. MEDIAN ISLAND CAN ALSO BE SOLID CONCRETE MEDIANS.

LOCATIONS, LAYOUTS, AND WIDTHS OF THE FLUSH SIDEWALK AREA, SHALL BE DETERMINED BY THE DESIGNER AND SHOWN ON THE PLANS.

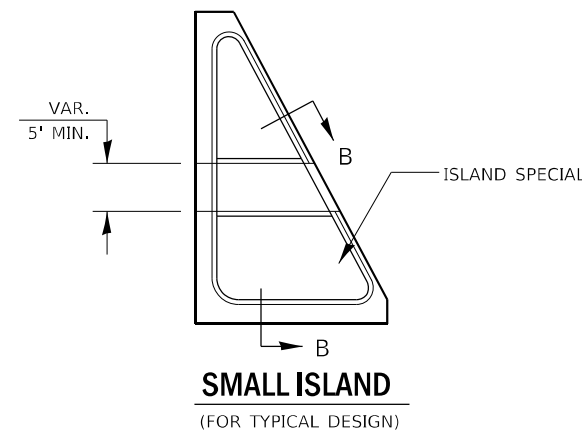
THE INTERMEDIATE AND SMALL ISLANDS WILL BE MEASURED FOR PAYMENT FROM EOP TO EOP USING EITHER OPTION 1 OR OPTION 2, AS DIRECTED BY THE ENGINEER, AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQ FT FOR CONCRETE MEDIAN (SPECIAL), WHICH SHALL INCLUDE THE CURB, COMBINATION CURB & GUTTER, SIDEWALK, AGGREGATE FILL, CONCRETE MEDIAN SURFACE, AND SOLID CONCRETE MEDIAN.



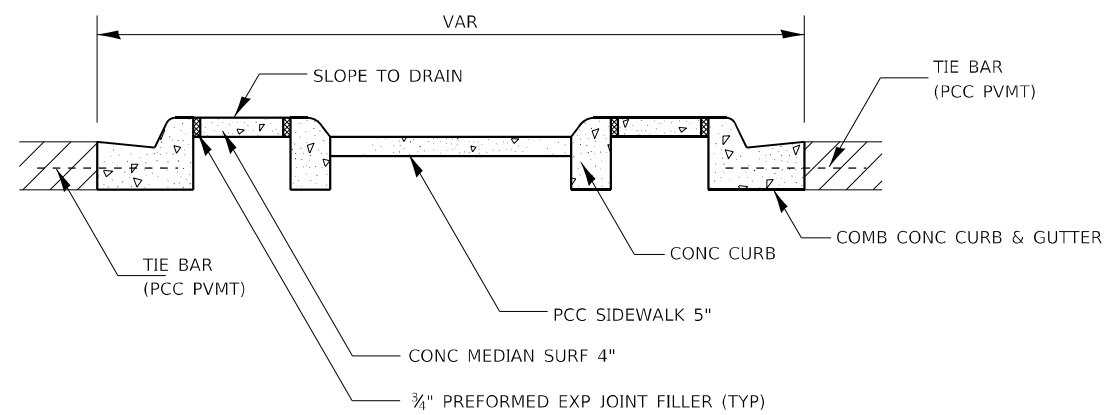
LARGE ISLAND
(FREE FLOW DESIGN)



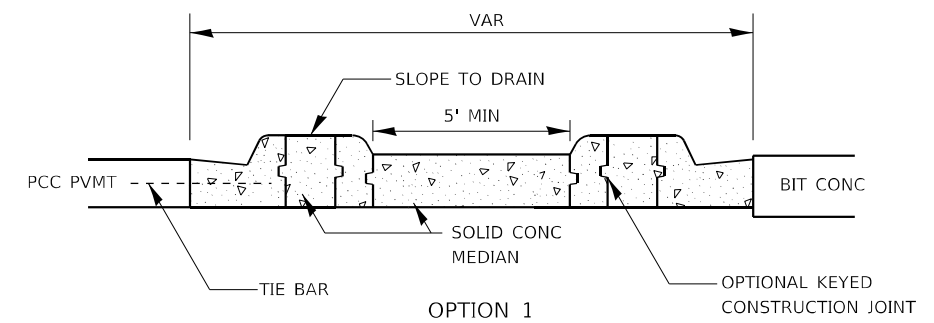
INTERMEDIATE ISLAND
(FOR RIGHT TURN LANE DESIGN)



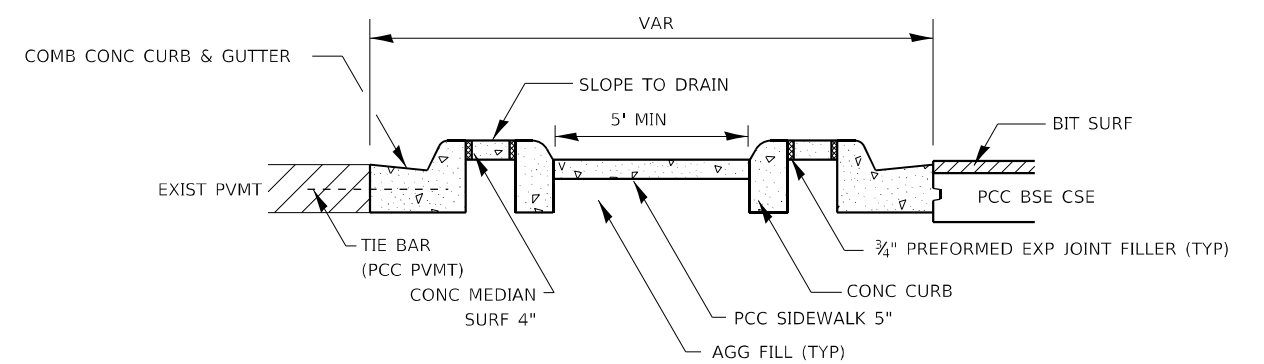
SMALL ISLAND
(FOR TYPICAL DESIGN)



SECTION A-A



OPTION 1



OPTION 2

SECTION B-B

424-28

MODEL: Default
FILE NAME: ...0366026-shr-crete-01b.dgn

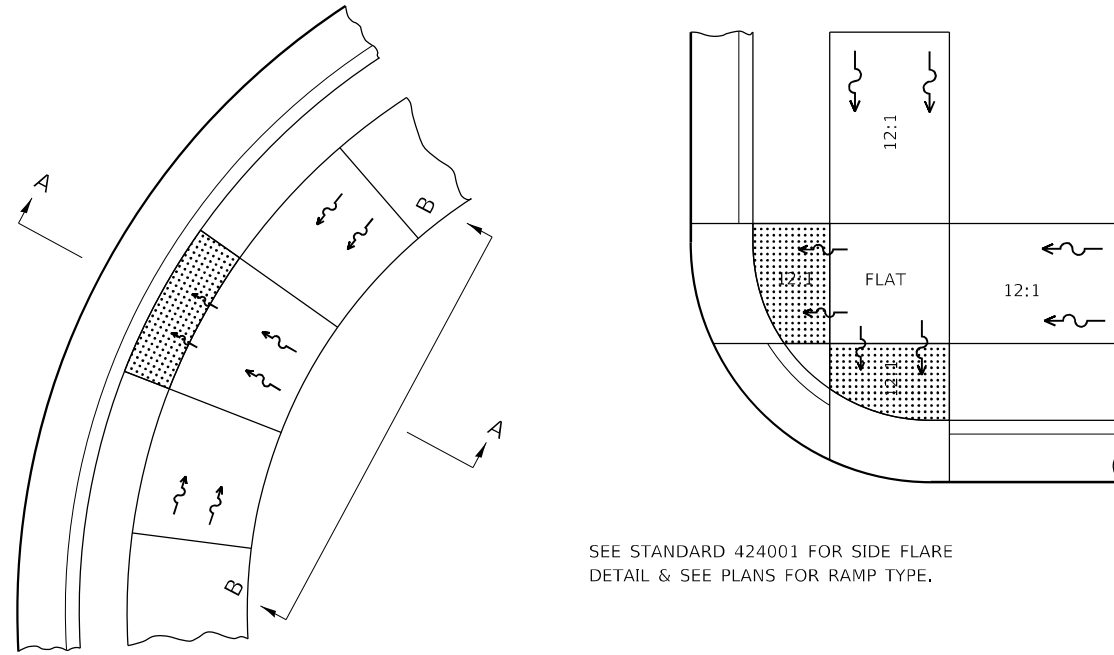
USER NAME = dhawes	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 4/27/2022 - 11:57:46 AM	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MEDIAN AND SIDEWALK
DETAILS**

SCALE: SHEET 8 OF 33 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R,BR1	KENDALL	847	687
			CONTRACT NO. 66D26	
ILLINOIS FED. AID PROJECT				



SEE STANDARD 424001 FOR SIDE FLARE
DETAIL & SEE PLANS FOR RAMP TYPE.

NOTES:

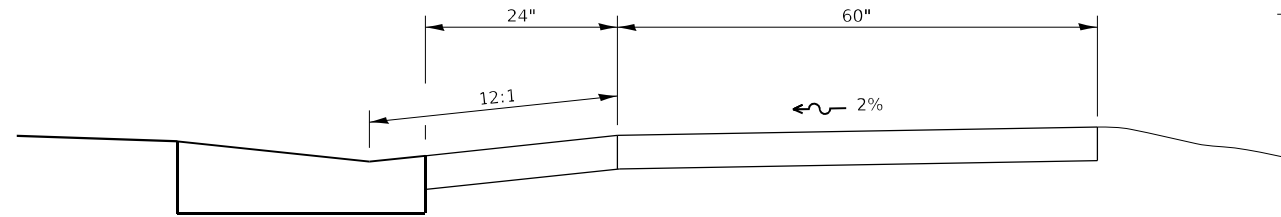
THIS DETAIL TO BE USED IN CONJUNCTION WITH STATE STANDARD 424001.

THE MAXIMUM ALLOWABLE CROSS SLOPE FOR SIDEWALK IS 2%.

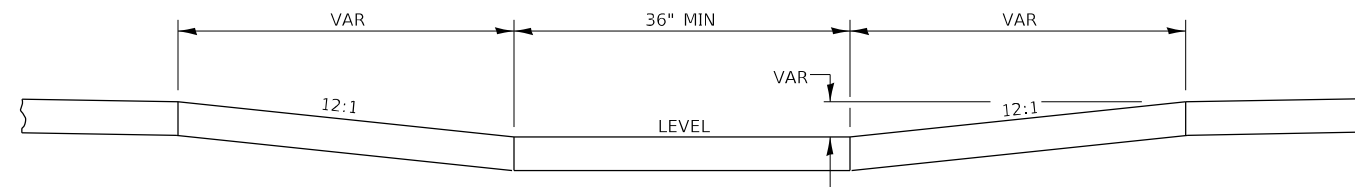
THE MAXIMUM ALLOWABLE SIDEWALK GRADE IS 8%.

IF SPACE LIMITATIONS PROHIBIT THE USE OF THE 12:1 SLOPE, THEN SLOPES BETWEEN 10:1 AND 12:1 ARE PERMITTED FOR A MAXIMUM RISE OF 6". SLOPES 8:1 AND 10:1 ARE ALLOWED FOR A MAXIMUM RISE OF 3". SLOPES STEEPER THAN 8:1 ARE NOT PERMITTED.

THE DEPRESSED CURB IS NOT STANDARD. THE RISE IS 1/2" INSTEAD OF 1 1/2".



SECTION A-A



SECTION B-B

ADA SIDEWALK ACCESSIBILITY RAMP DETAIL

MODEL: Default
FILE NAME: ...0366026-shr-crete.rbf.dgn

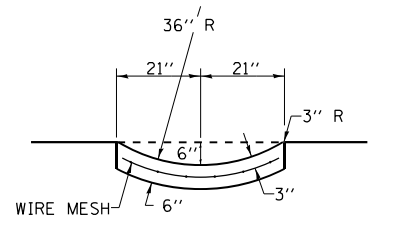
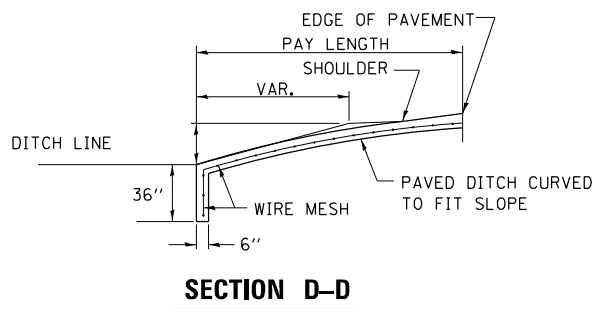
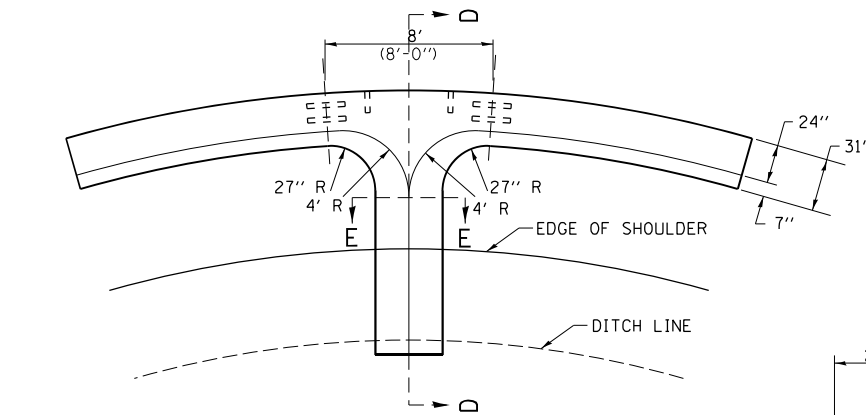
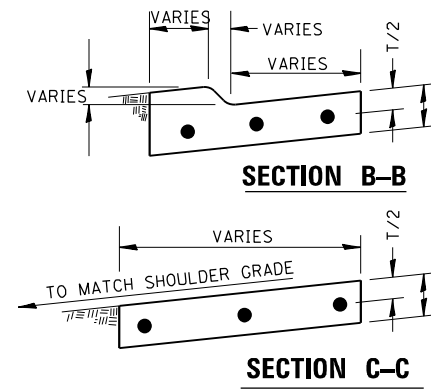
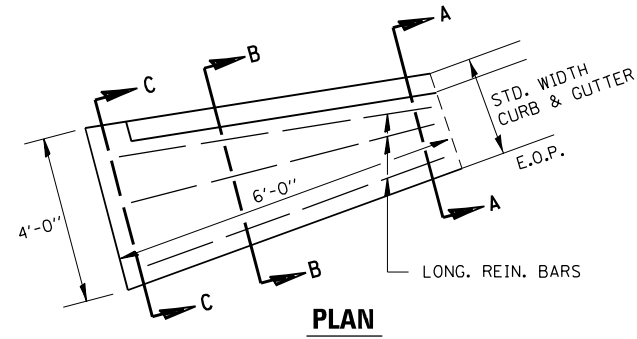
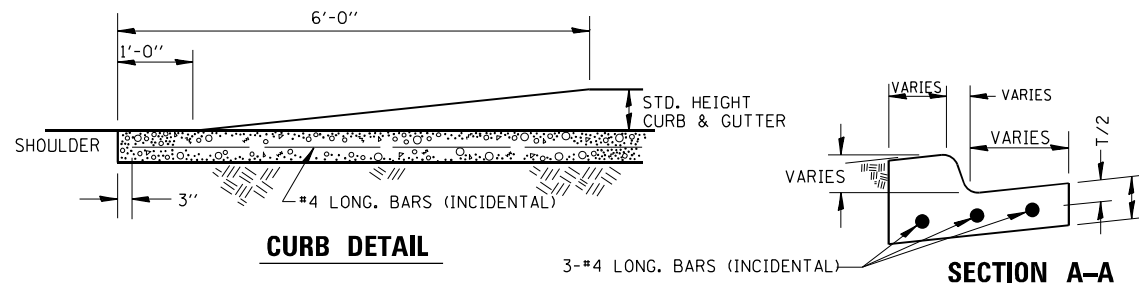
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	DRAWN -	REVISED -
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PLOT DATE = 4/27/2022 - 11:57:49 AM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA ACCESSIBILITY
RAMP DETAILS

SCALE: SHEET 9 OF 33 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R,BR1	KENDALL	847	688
CONTRACT NO. 66D26			ILLINOIS FED. AID PROJECT	



QUANTITY OF CONCRETE
 SECTION A-A = 0.07 CU. YD./FT.
 8' SECTION OF CURB & GUTTER UP TO SECTION A-A = 0.75 CU.YD.

NOTE:
 CLASS SI CONCRETE SHALL BE USED THROUGHOUT.
 CURB AND GUTTER OUTLET SHALL BE TIED TO PAVEMENT SLAB WITH 2 TIE BARS, 30" LONG - 30" CENTERS. OUTLET SHALL BE TIED TO CURB AND GUTTER AT CONTRACTION JOINTS AS SHOWN. GUTTER OUTLET AND PAVED DITCH SHALL BE REINFORCED WITH WIRE MESH HAVING A WEIGHT OF AT LEAST 58 LBS/SQ. FT. COST TO BE INCLUDED IN THE UNIT PRICE PER CU. YD. FOR CLASS SI CONCRETE (OUTLET).

CURB & GUTTER OUTLET, SPECIAL

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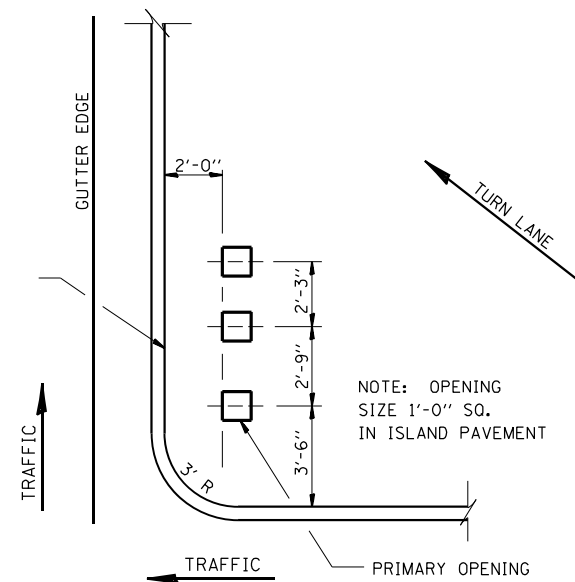
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	DRAWN -	REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CURB AND GUTTER
 DETAILS**

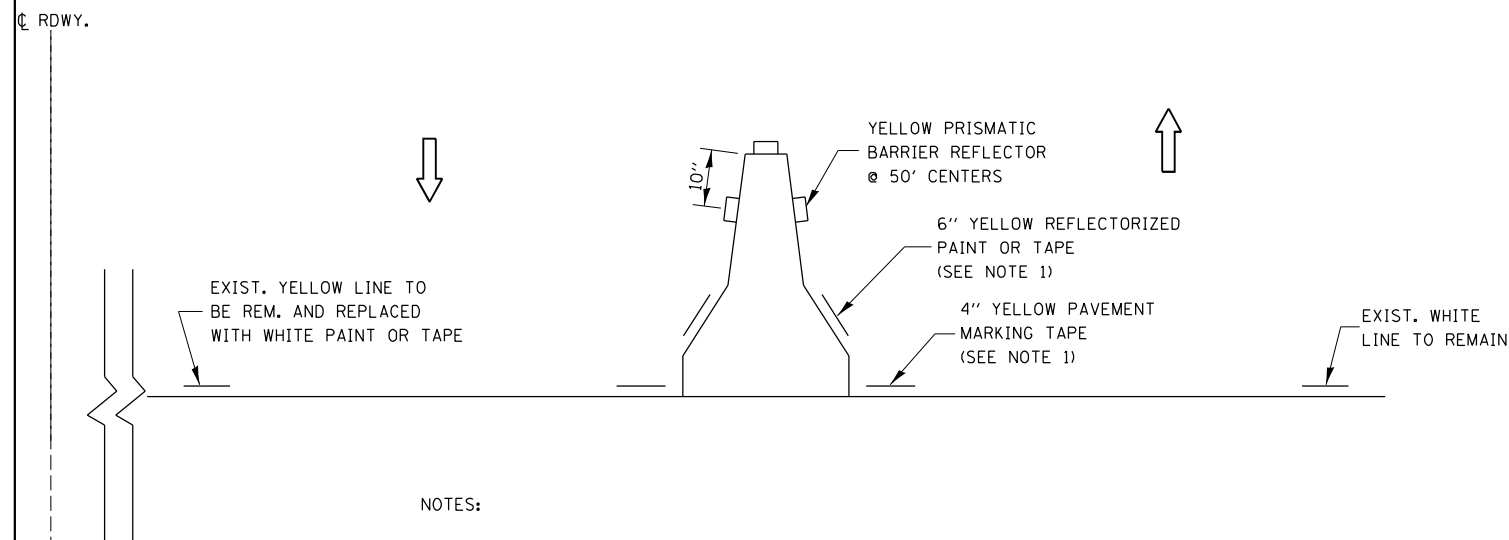
SCALE: SHEET 10 OF 33 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R,BR1	KENDALL	847	689
			CONTRACT NO. 66D26	
ILLINOIS			FED. AID PROJECT	



ISLAND SIGN POST SPACING DETAIL

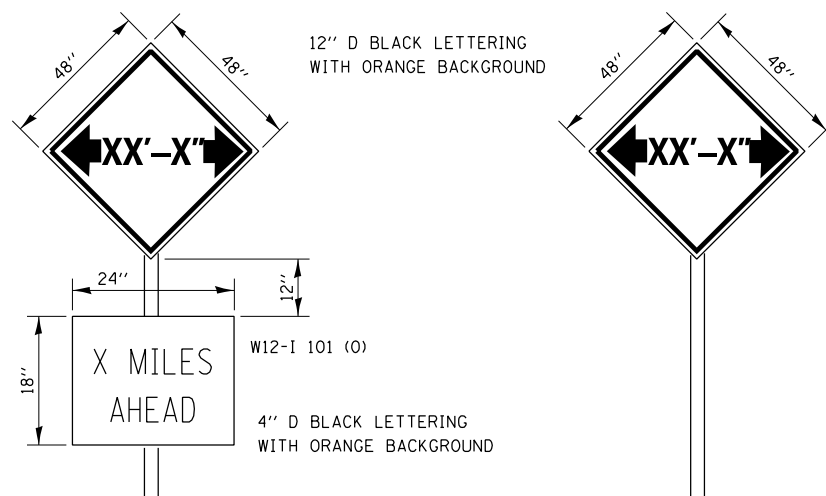
NOTE: THE ENGINEER SHALL DETERMINE THE NUMBER OF OPENINGS REQUIRED.



NOTES:

1. THE CONTRACTOR HAS THE OPTION OF USING EITHER THE LINE ON THE TEMPORARY CONCRETE BARRIER OR ON THE PAVEMENT.
2. THE COST OF THE REFLECTORS AND THE BARRIER/PAVEMENT MARKING LINE IS INCLUDED IN THE COST OF THE TEMPORARY CONCRETE BARRIER.

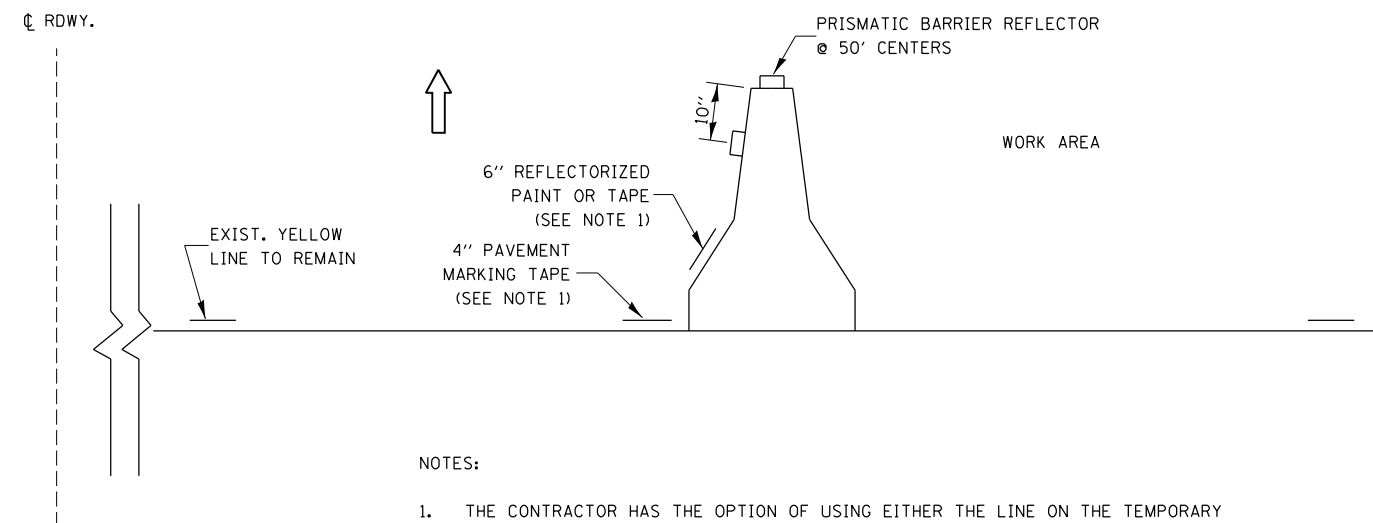
TRAFFIC CONTROL DETAIL FOR TEMPORARY CONCRETE BARRIER



TO BE POST MOUNTED AS SHOWN ELSEWHERE IN THE PLANS.

COST OF SUPPLYING, INSTALLING, MAINTAINING AND REMOVING WIDTH RESTRICTION SIGNS SHALL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION PAY ITEMS.

WIDTH RESTRICTION SIGNING DETAILS



NOTES:

1. THE CONTRACTOR HAS THE OPTION OF USING EITHER THE LINE ON THE TEMPORARY CONCRETE BARRIER OR ON THE PAVEMENT.
2. THE COLOR OF THE REFLECTORS AND PAVEMENT/BARRIER MARKING LINE WILL VARY WITH STAGING AND SHALL MATCH THE EXISTING LINE IN THE WORK AREA.
3. THE COST OF THE REFLECTORS AND THE PAVEMENT/BARRIER MARKING LINE IS INCLUDED IN THE COST OF THE TEMPORARY CONCRETE BARRIER.

TRAFFIC CONTROL DETAIL FOR TEMPORARY CONCRETE BARRIER

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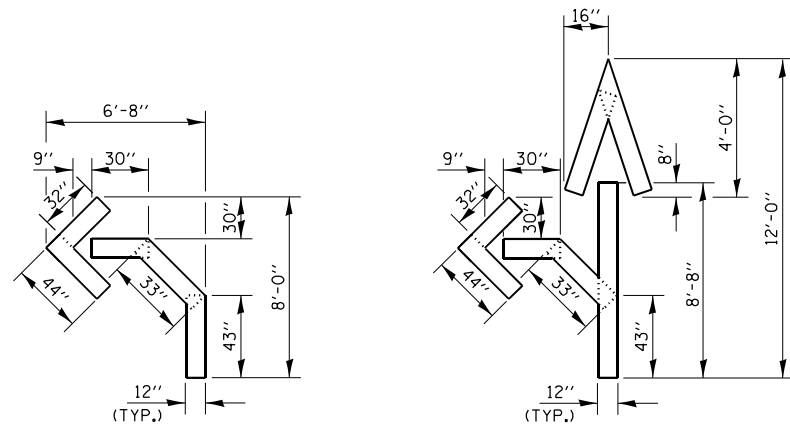
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ISLAND SIGN POST SPACING &
TEMP. CONC. BARRIER DETAILS**

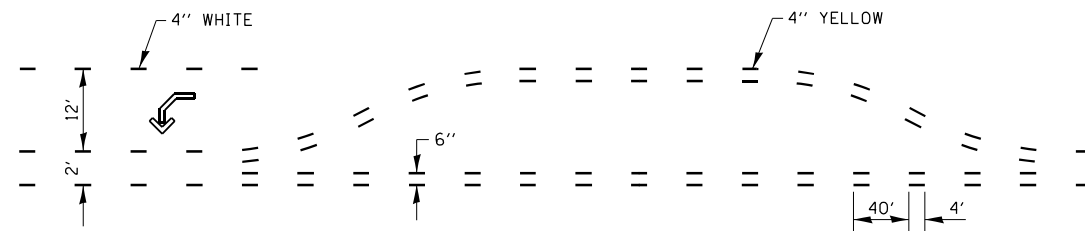
SCALE: SHEET 11 OF 33 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R,BR1	KENDALL	847	690
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				

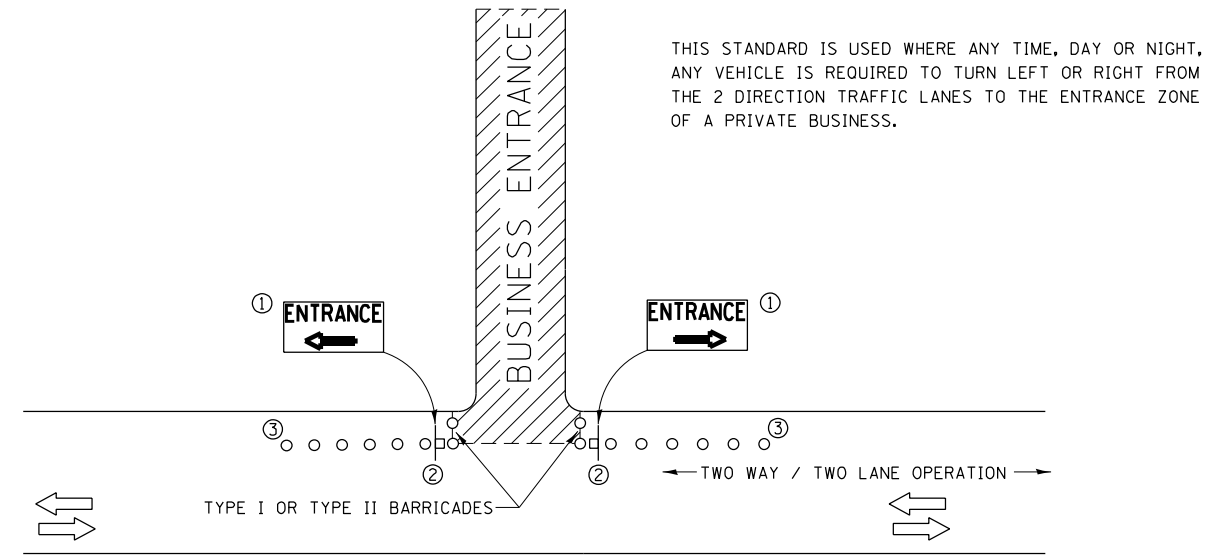


QUANTITY
12" LINE = 16 LIN. FT.
OR 4" LINE = 48 LIN. FT.

QUANTITY
12" LINE = 29 LIN. FT.
OR 4" LINE = 87 LIN. FT.






**SHORT-TERM PAVEMENT MARKING
FOR MEDIANS AND ARROWS**

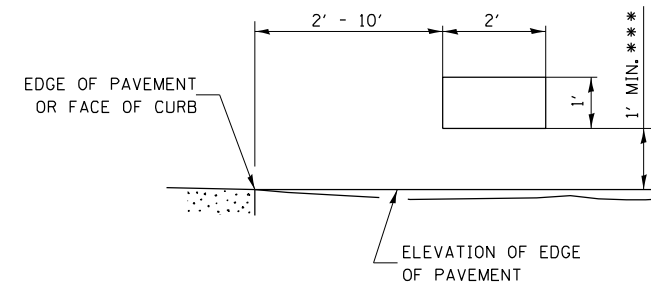


THIS STANDARD IS USED WHERE ANY TIME, DAY OR NIGHT, ANY VEHICLE IS REQUIRED TO TURN LEFT OR RIGHT FROM THE 2 DIRECTION TRAFFIC LANES TO THE ENTRANCE ZONE OF A PRIVATE BUSINESS.

SYMBOLS

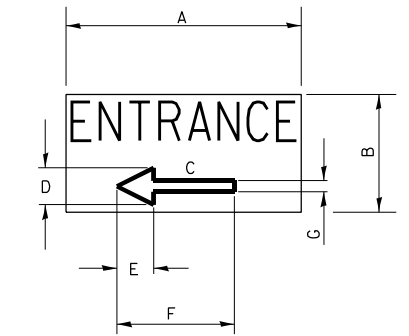
-  BUSINESS ENTRANCE ZONE
-  BARRICADE OR DRUM WITH FLASHING LIGHT
-  SIGN ON TEMPORARY SUPPORT

- ① REFER TO BUSINESS ENTRANCE SIGN TABLE FOR DIMENSIONS.
- ② SEE "SIGNS ON TEMPORARY SUPPORTS" DETAIL.
- ③ DRUMS



SIGNS ON TEMPORARY SUPPORTS

*** WHEN WORK OPERATIONS EXCEED FOUR DAYS, THIS DIMENSION SHALL BE 5' MIN. IF LOCATED BEHIND OTHER DEVICES, THE HEIGHT SHALL BE SUFFICIENT TO BE SEEN BY MOTORISTS.



BUSINESS ENTRANCE SIGN

4" BLUE LETTERING NON-REFLECTIVE WITH WHITE REFLECTIVE BACKGROUND

SIGN SIZE	DIMENSIONS						
	A	B	C	D	E	F	G
24 X 12	24	12	8.25	4.75	3.75	12	2.25

SIGNS FOR BUSINESSES ABUTTING THE WORK ZONE, DELINEATING THE WAY THROUGH THE BARRICADES TO RESPECTIVE ENTRANCES.

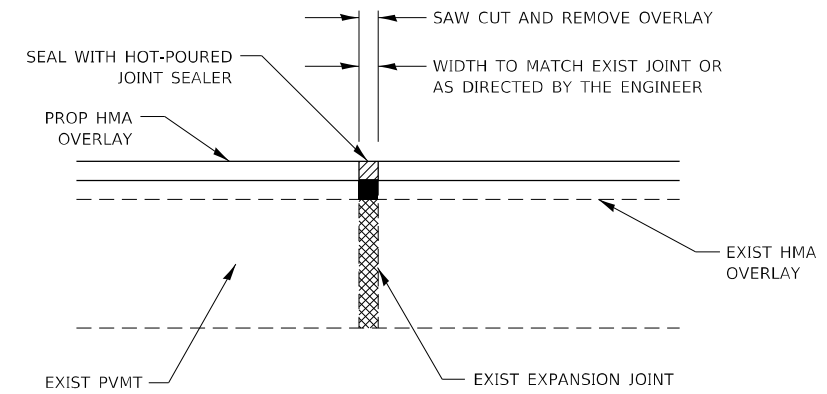
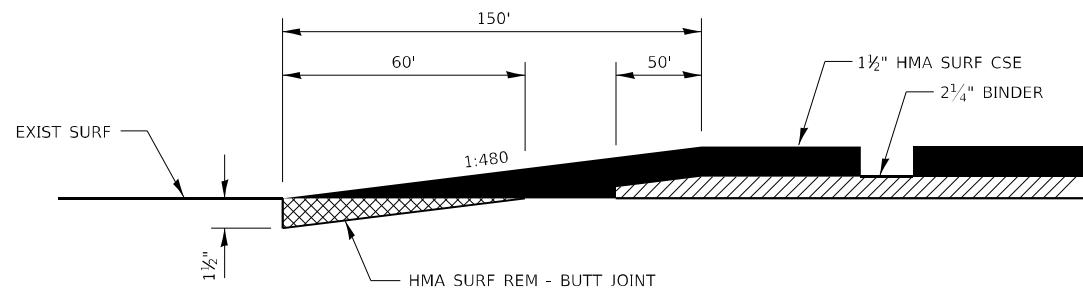
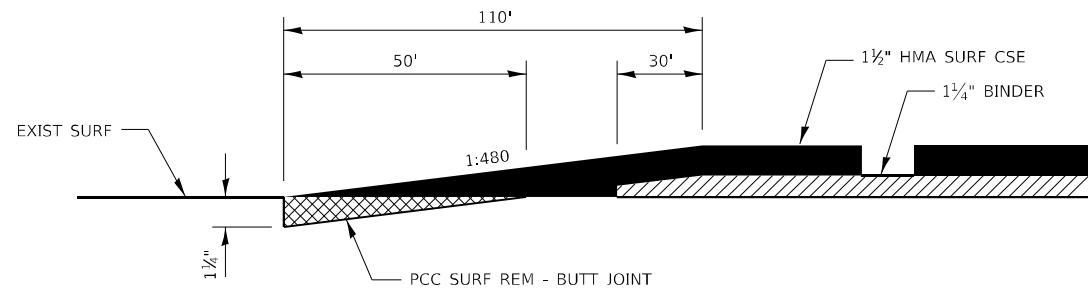
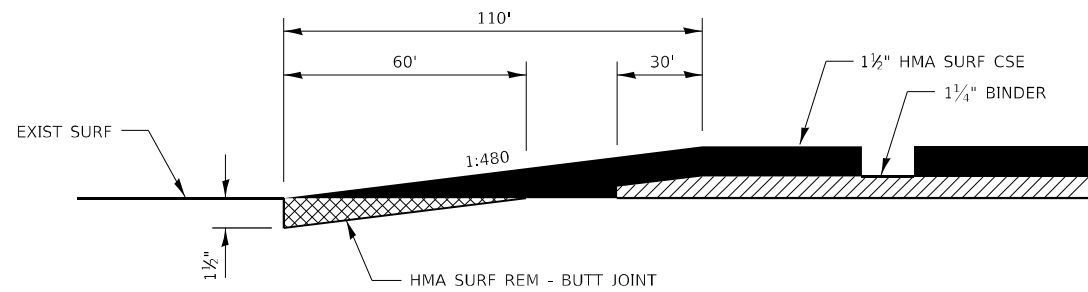
BUSINESS ABUTTING WORK ZONE ENTRANCE SIGN

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARROW MARKING & BUSINESS
ENTRANCE DETAILS

SCALE: SHEET 12 OF 33 SHEETS STA. TO STA.

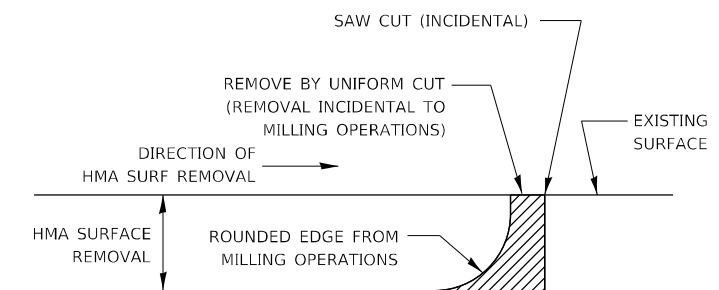
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R,BR1	KENDALL	847	691
			CONTRACT NO. 66D26	
ILLINOIS FED. AID PROJECT				



EXPANSION JOINT REHABILITATION DETAIL

GENERAL NOTES:

1. THE NEW HMA OVERLAY SHALL BE SAWED, REMOVED AND THE JOINT AREA CLEANED. PRIOR TO PLACING THE HOT-POURED JOINT SEALER, THE JOINT SHALL BE BLOWN OUT WITH COMPRESSED AIR.
2. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR EXPANSION JOINT REHABILITATION.



NOTE:

WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL.

HMA DETAIL AT BUTT JOINTS

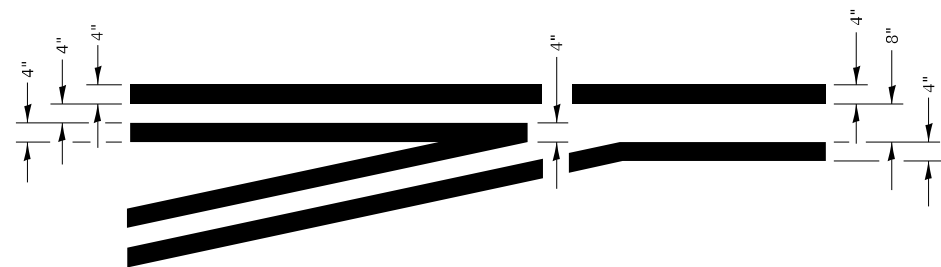
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	DATE -	REVISED -

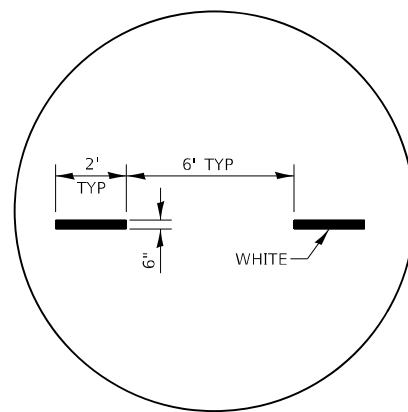
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT DETAILS		SCALE:	
		SHEET 13 OF 33 SHEETS	STA. TO STA.

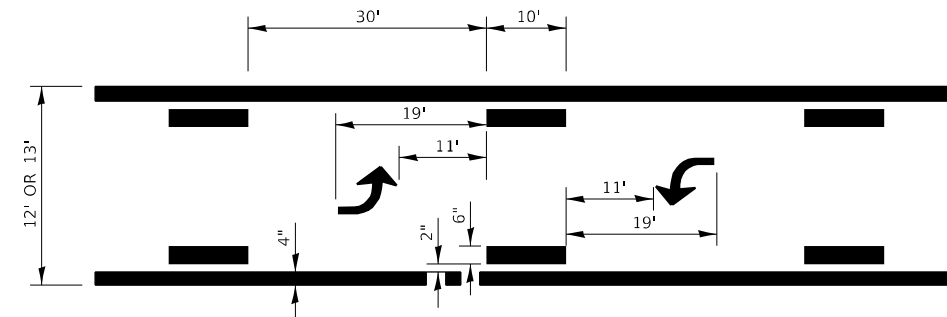
F.A.P. RTE. 311	SECTION (1-1)R, BR1	COUNTY KENDALL	TOTAL SHEETS 847	SHEET NO. 692
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				



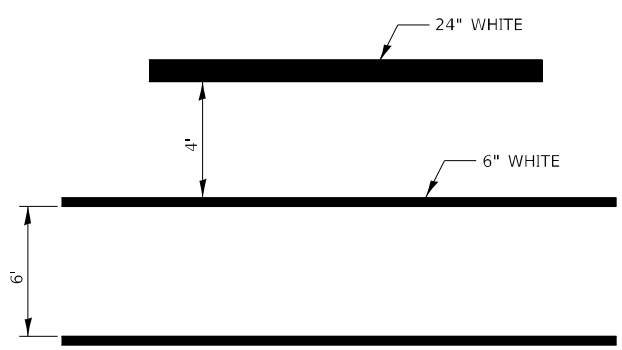
**LEFT TURN LANE
TYPICAL APPLICATION**



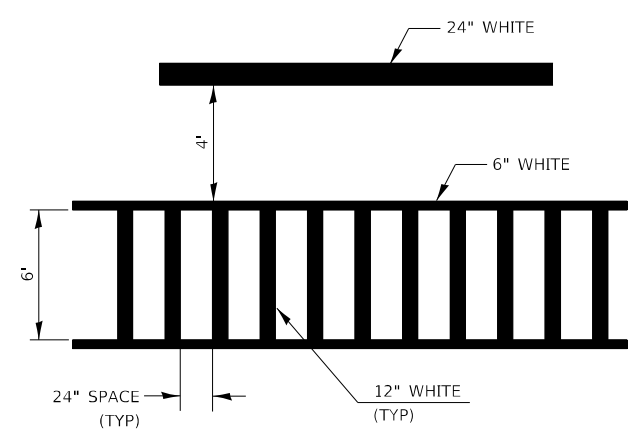
**ADVANCE AND INTERSECTION LANE
DIVIDER LINES**



**TYPICAL APPLICATION @
BI-DIRECTIONAL TURN LANE**

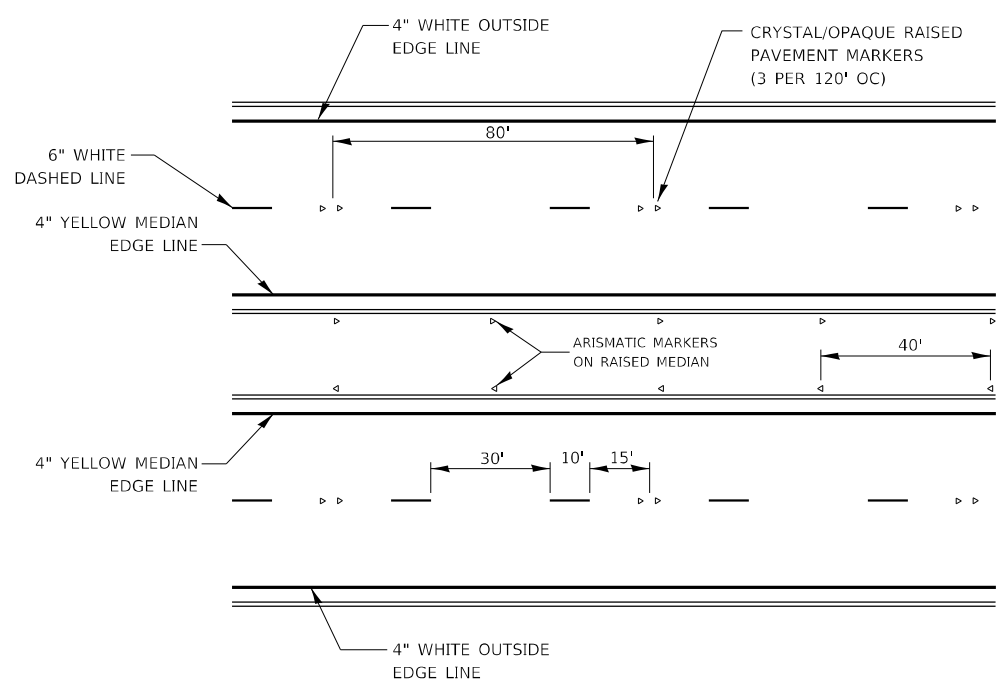


**TYPICAL SPACING DETAIL FOR
CROSSWALKS AND STOP BARS**



**TYPICAL SPACING DETAIL FOR
CROSSWALKS AND STOP BARS**

**780-3
OPTION 2**



TYPICAL PAVEMENT MARKINGS

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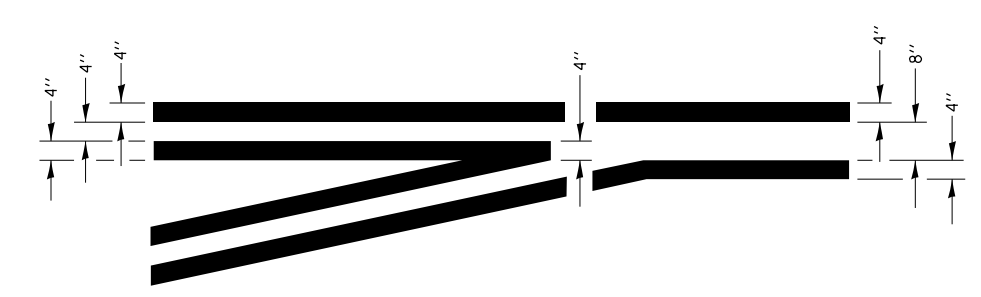
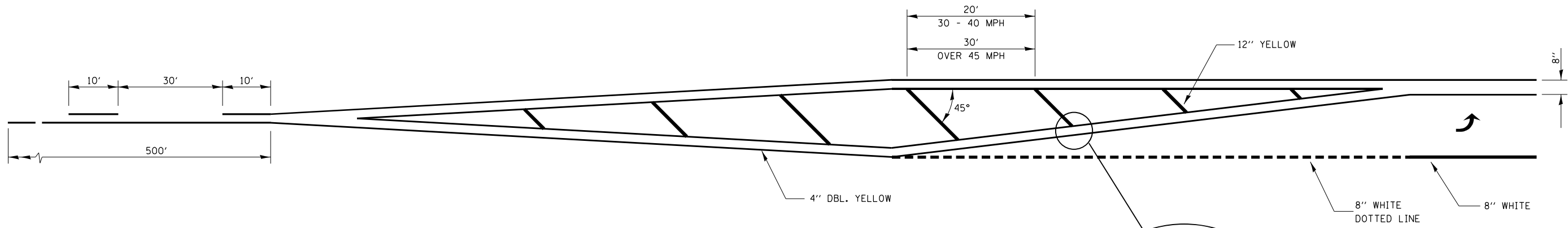
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	DRAWN -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

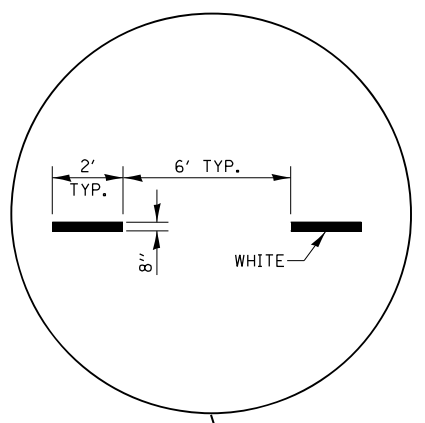
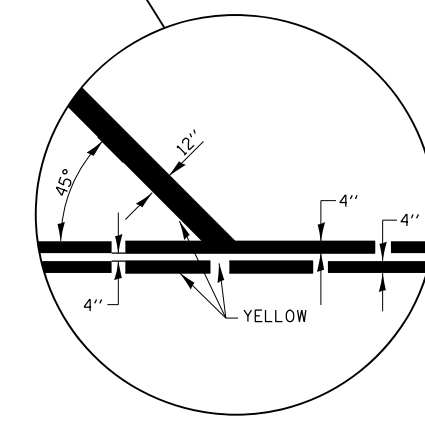
**PAVEMENT MARKING
DETAILS**

SCALE: SHEET 14 OF 33 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R,BR1	KENDALL	847	693
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				

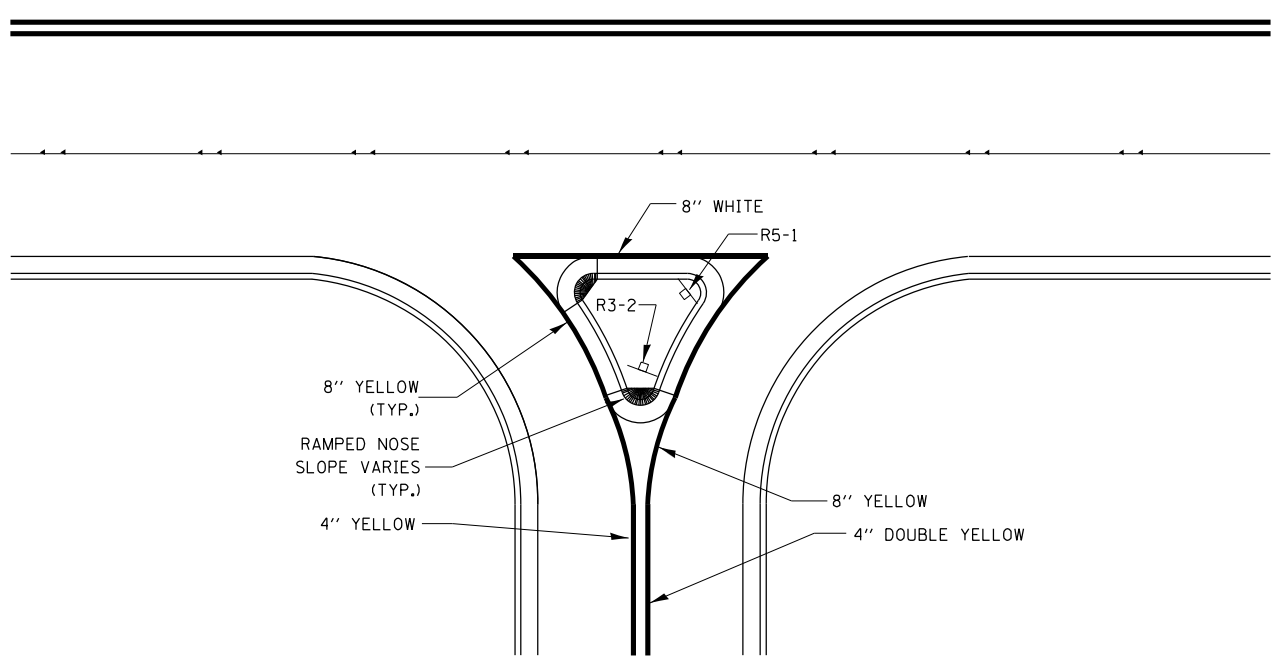


**TYPICAL APPLICATION
LEFT TURN LANES**

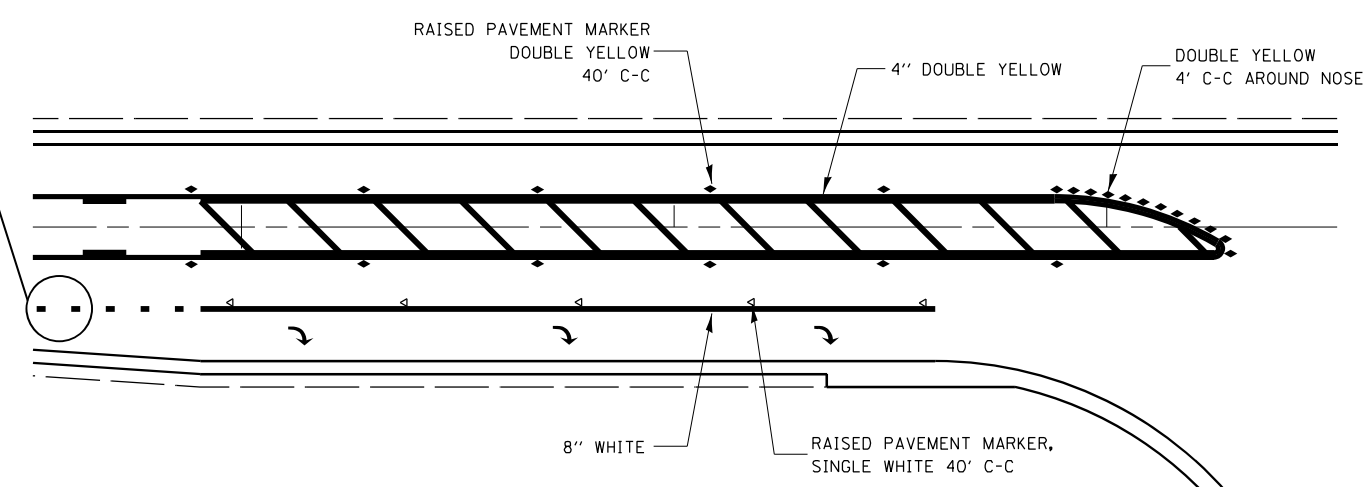


**ADVANCE AND INTERSECTION LANE
DIVIDER LINES**

URBAN PAVEMENT MARKING



RIGHT IN RIGHT OUT ACCESS PAVEMENT MARKING



**RAISED REFLECTIVE AND PAVEMENT MARKERS
RIGHT TURN LANE**

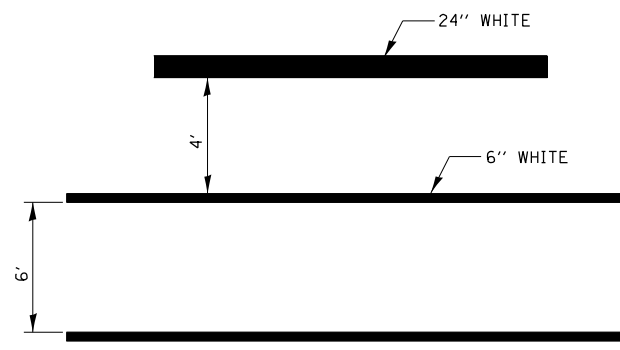
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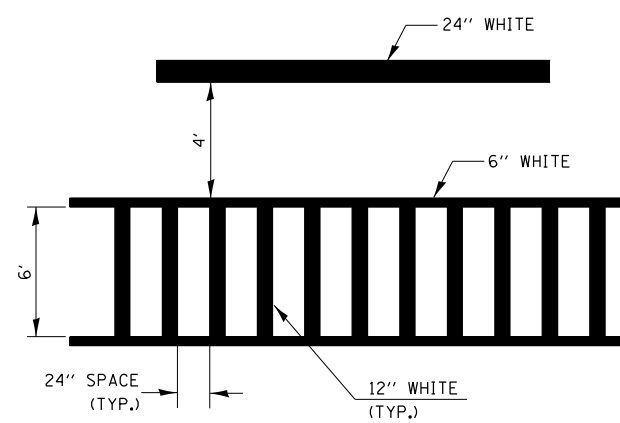
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAILS	
SCALE:	SHEET 15 OF 33 SHEETS STA. TO STA.

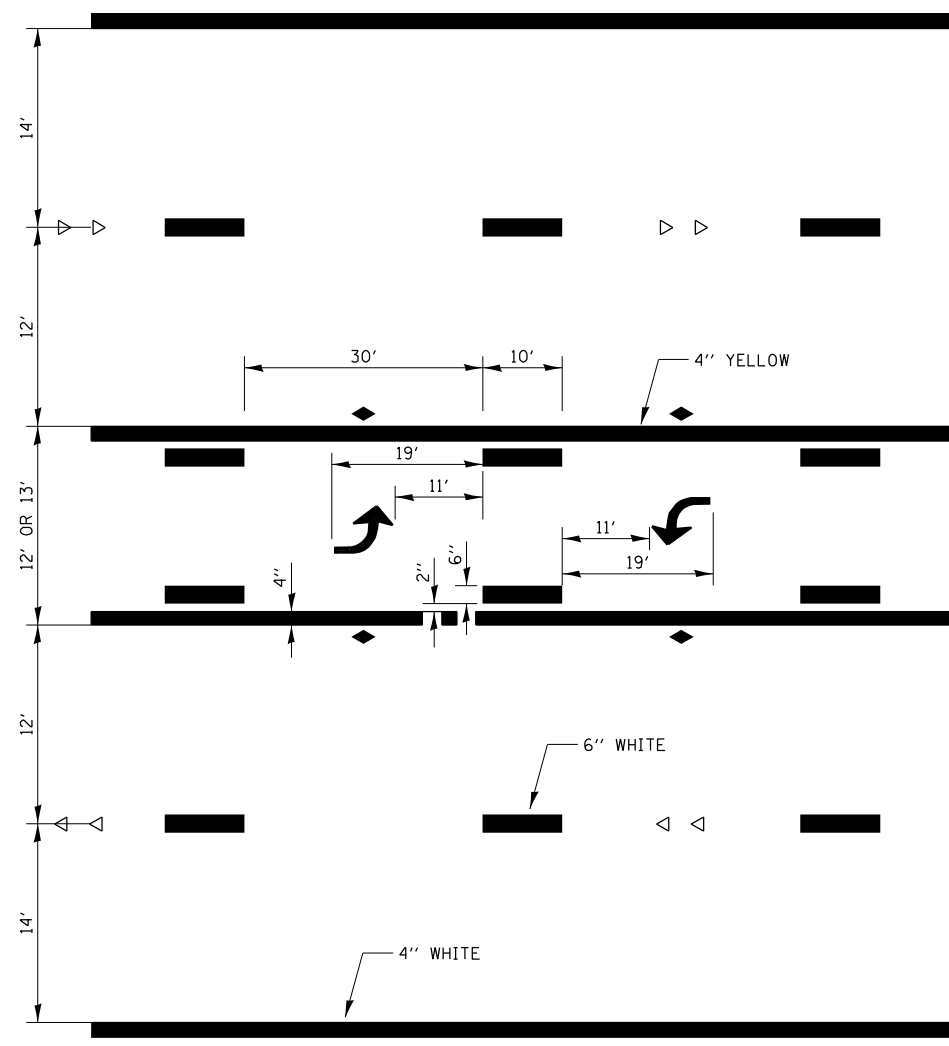
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R,BR1	KENDALL	847	694
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				



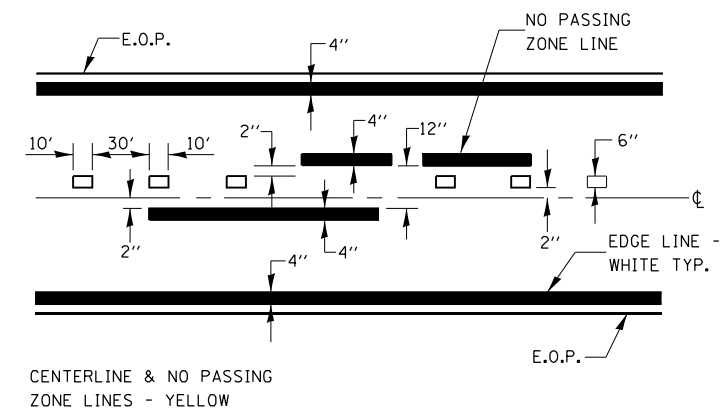
TYPICAL SPACING DETAIL FOR CROSSWALKS AND STOP BARS



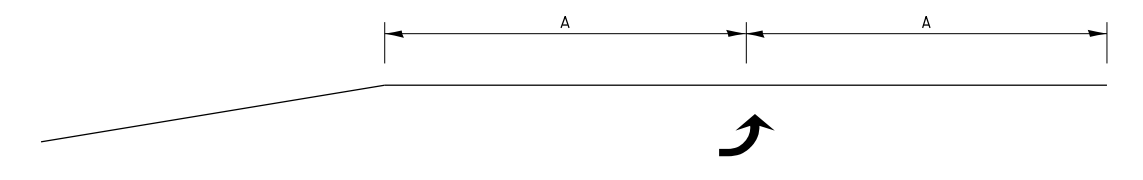
TYPICAL SPACING DETAIL FOR CROSSWALKS AND STOP BARS



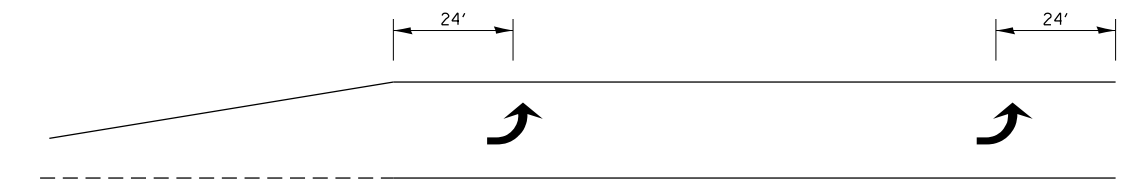
TYPICAL APPLICATION TWO WAY LEFT TURN LANE (TWLTL)



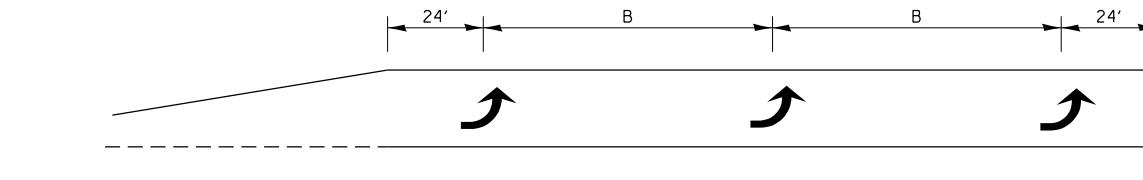
PAVEMENT MARKING



99' AND UNDER



100' TO 149'



150' AND LONGER

TYPICAL PLACEMENT OF ARROWS IN TURN LANES

URBAN PAVEMENT MARKING

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DRAWN -	REVISOR -	REVISOR -
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PLOT DATE = 4/27/2022 - 11:58:05 AM	DATE -	REVISOR -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAILS			
SCALE:	SHEET 16	OF 33 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R,BR1	KENDALL	847	695
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				

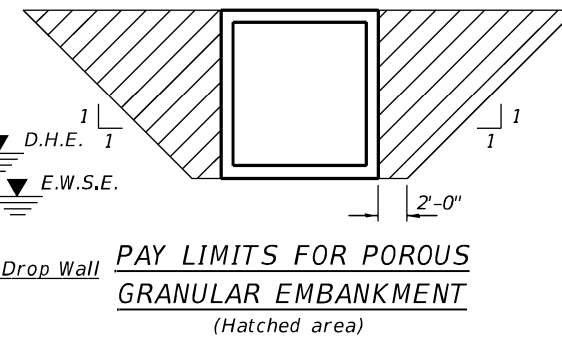
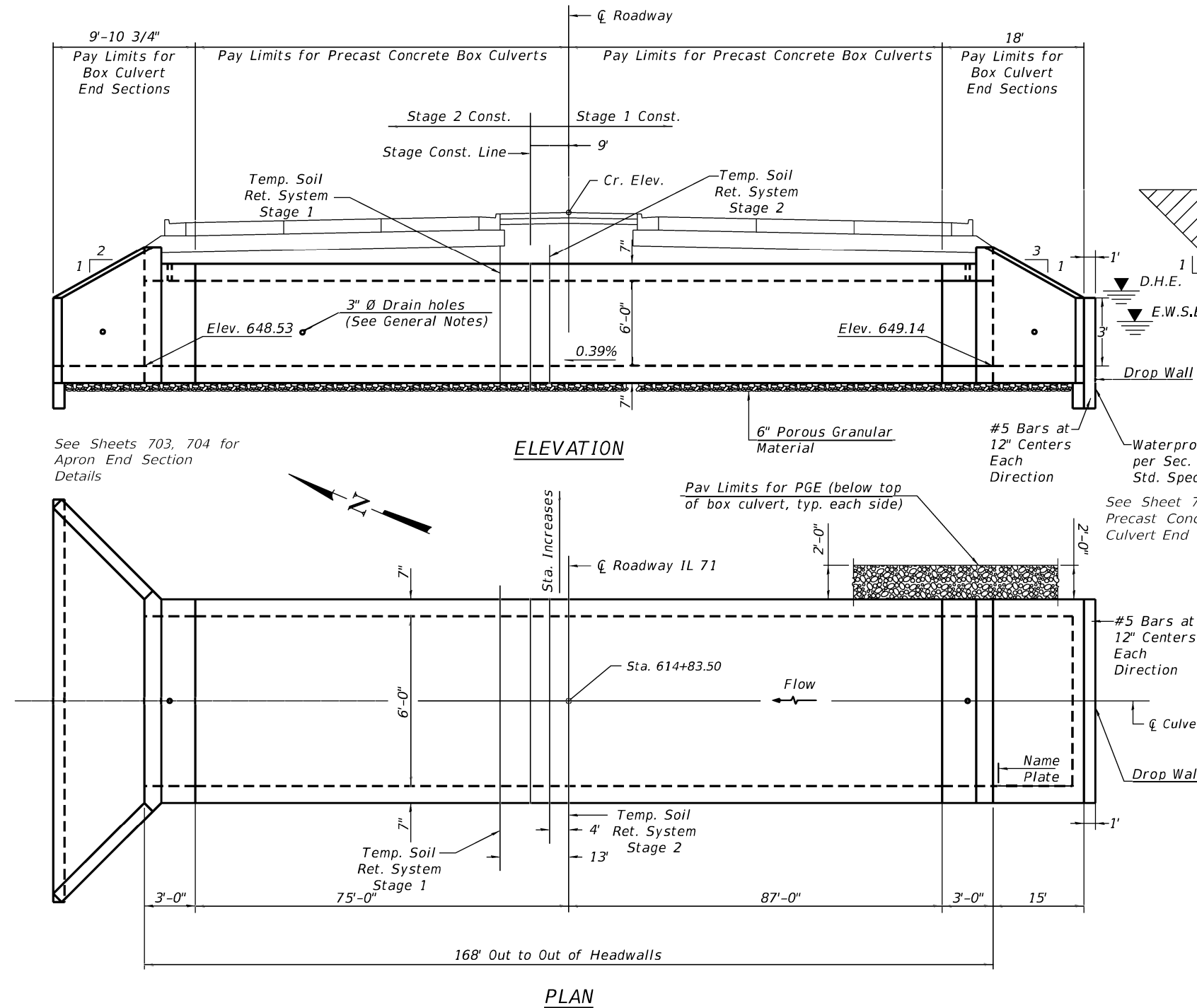
INDEX OF SHEETS

1. General Plan and Elevation
2. Temp. Soil Retention System

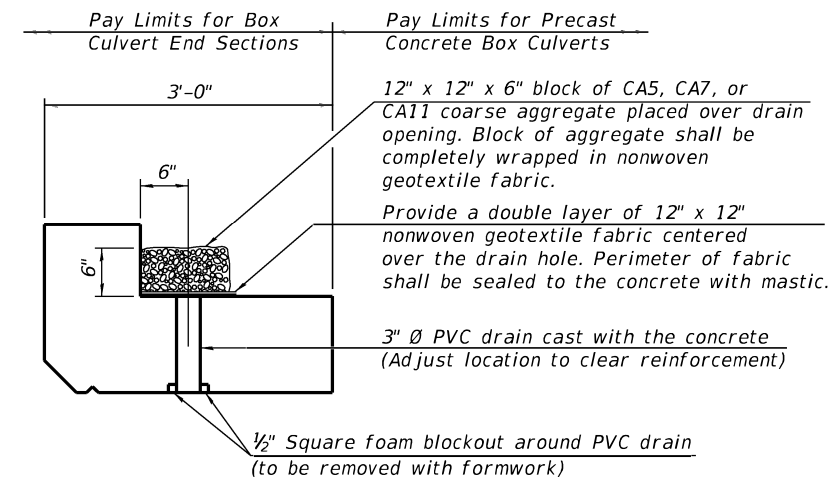
GENERAL NOTES

The design fill height for this box is 16 ft. The precast box culvert sections shall conform to the requirements of ASTM C 1577.
 Drain holes shall be provided on exterior culvert walls for each precast box segment with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specification.
 Nonwoven geotextile fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.
 Precast concrete box culverts and box culvert end sections shall be backfilled with Porous Granular Embankment in the required excavation areas on the sides of the box culvert from the top of the box culvert to the bottom of the box culvert. This area of PGE is included in the Porous Granular Embankment pay item. The 6-inch thick layer of porous granular material required under the precast concrete box culvert, according to Section 540.06 of the standard specifications, shall also apply to the end sections. Cost of this porous granular material will not be paid for separately but shall be included in the unit price of the work for which it is required.

Existing Structure: S.N. 047-2528 was built in 1938 under F.A.P. RTE 311, Section 1-A at STA 614+82.
 The existing structure is a single cell 6'x6' Reinforced concrete box culvert, 83.5 ft. long

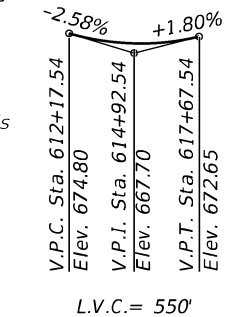


PAY LIMITS FOR POROUS GRANULAR EMBANKMENT
(Hatched area)



DRAIN DETAIL

(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)



PROFILE GRADE

DESIGN SPECIFICATIONS
 2012 AASHTO LRFD Bridge Design Specifications
 6th Edition with 2013 interims

LOADING HL-93

DESIGN STRESSES

PRECAST UNITS
 $f'_c = 5,000 \text{ psi}$
 $f_y = 65,000 \text{ psi}$ (Welded Wire Reinforcement)

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Removal of Existing Structures No. 1	Each	1
Name Plates	Each	1
Box Culvert End Sections, Culvert No. 1	Each	2
Precast Concrete Box Culverts, 6'x6'	Foot	162
Porous Granular Embankment	Cu. Yd.	574
Temp. Soil Retention System	S.F.	894
Concrete Box Culverts	Cu. Yd.	2
Reinforcement Bars	Pound	75

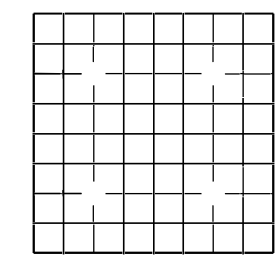
WATERWAY INFORMATION

Drainage Area = 0.93 sq. mi. Low Grade Elev. = 669.28 @ Sta. 614+83.50

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	10	204	12	17	652.0	3.4	0.9	655.4	652.9
Base	50	316	14	19	652.4	4.9	2.4	657.2	654.8
Overtopping	100	362	15	20	652.5	5.9	3.3	658.4	655.8
Max. Calc.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	500	473	16	21	652.7	8.2	5.5	660.9	658.2

614+83.50
 BUILT BY
 STATE OF ILLINOIS
 F.A.P. RT. 71 SEC. (1-1)R, BR1
 LOADING HL-93
 STR. NO. 047-2578

NAME PLATE
 See Std. 515001



LOCATION SKETCH

GENERAL PLAN AND ELEVATION
 IL RTE. 71 OVER
 F.A.P. RTE. 311 SEC. (1-1)R, BR1
 KENDALL COUNTY
 STATION 614+83.50
 S.N. 047-2578

MODEL: Default
 FILE: NAME: ...0366226-shr-deta11c.dgn

SCB-GPE 2-17-2017

USER NAME = dhawes	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 8/12/2022 - 11:24:40 AM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRECAST BOX CULVERT DETAILS
SN 047-2578, STA. 614 + 83.50

SCALE: SHEET 17 OF 35 SHEETS STA. TO STA.

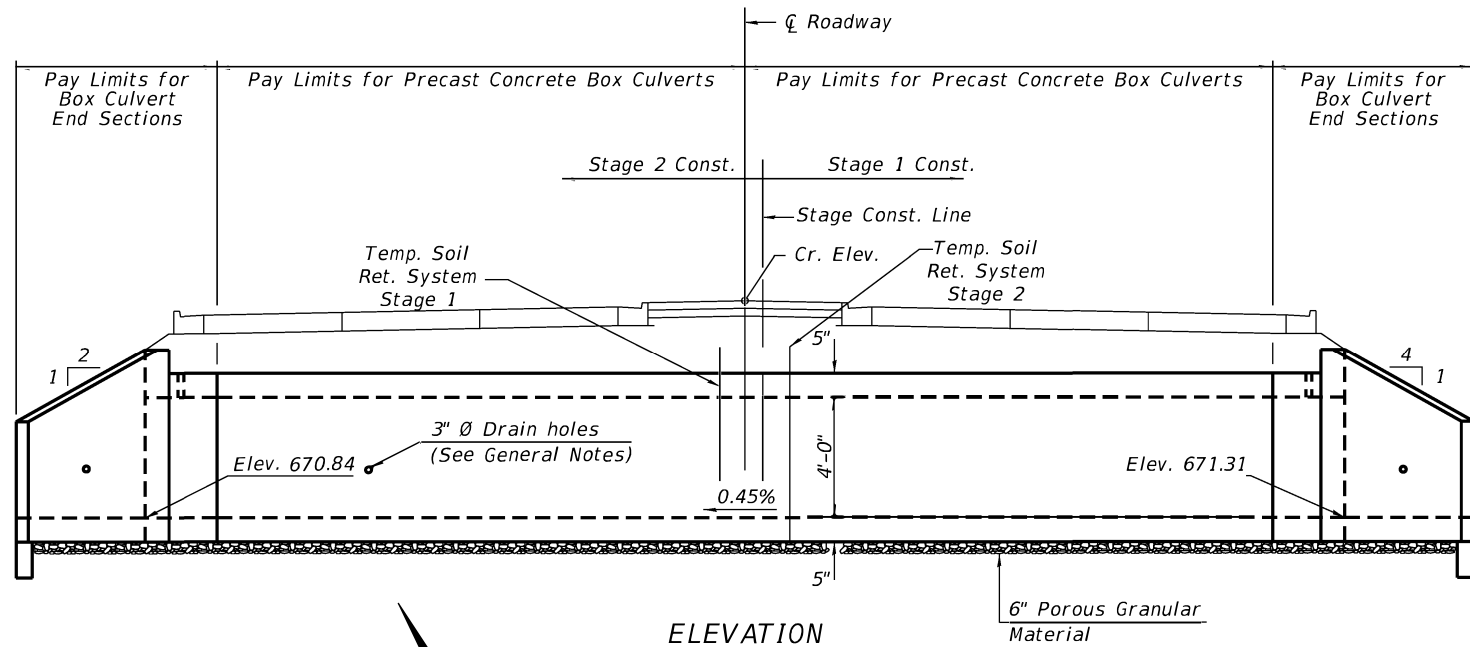
F.A.P. RTE. 311	SECTION (1-1)R, BR1	COUNTY KENDALL	TOTAL SHEETS 849	SHEET NO. 696
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66D26	

INDEX OF SHEETS

- 1. General Plan and Elevation and Temp. Soil Retention System

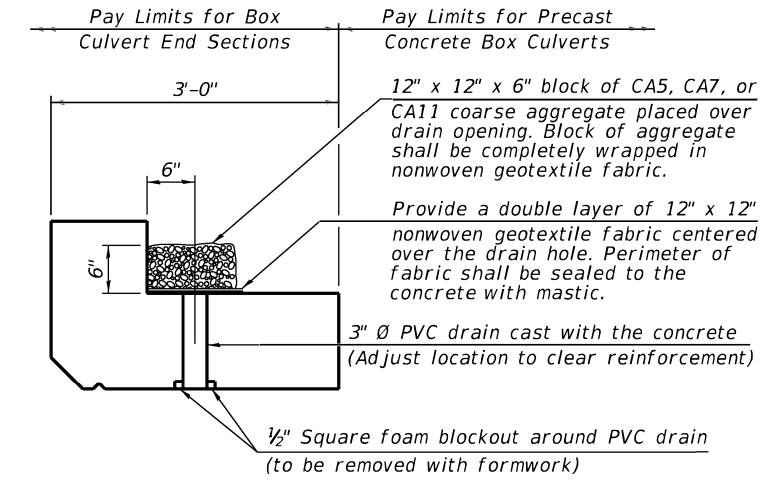
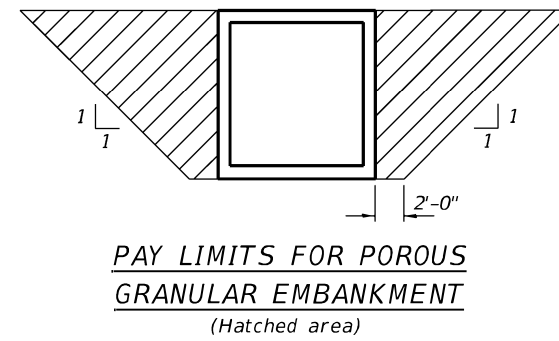
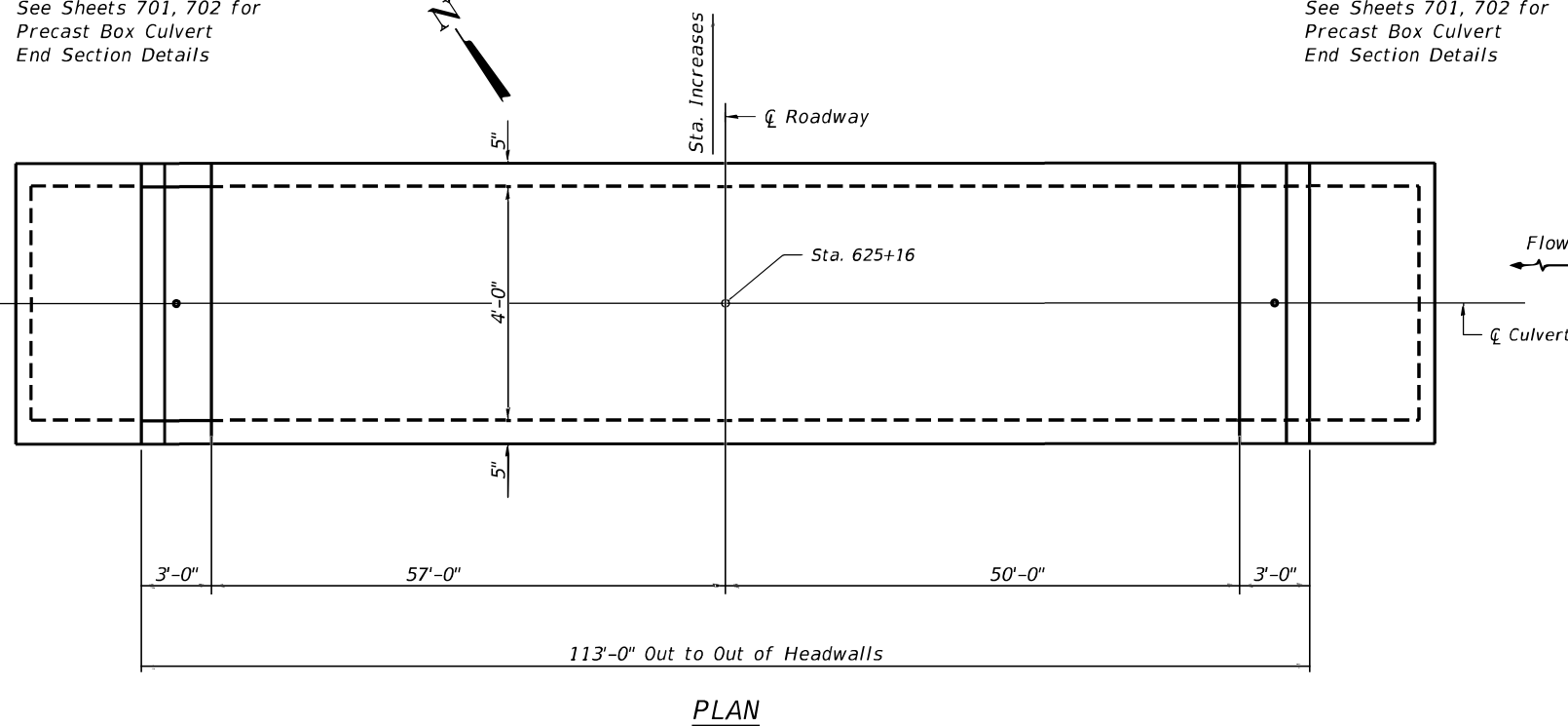
GENERAL NOTES

The design fill height for this box is 3 ft. The precast box culvert sections shall conform to the requirements of ASTM C 1577.
 Drain holes shall be provided on exterior culvert walls for each precast box segment with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specification.
 Nonwoven geotextile fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.
 Precast concrete box culverts and box culvert end sections shall be backfilled with Porous Granular Embankment in the required excavation areas on the sides of the box culvert from the top of the box culvert to the bottom of the box culvert. This area of PGE is included in the Porous Granular Embankment pay item. The 6-inch thick layer of porous granular material required under the precast concrete box culvert, according to Section 540.06 of the standard specifications, shall also apply to the end sections. Cost of this porous granular material will not be paid for separately but shall be included in the unit price of the work for which it is required.

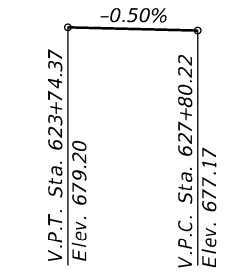


See Sheets 701, 702 for Precast Box Culvert End Section Details

See Sheets 701, 702 for Precast Box Culvert End Section Details



(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)



DESIGN SPECIFICATIONS
2012 AASHTO LRFD Bridge Design Specifications
6th Edition with 2013 interims

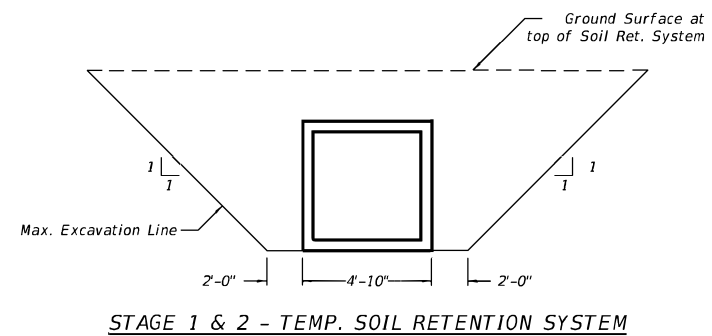
LOADING HL-93

DESIGN STRESSES

PRECAST UNITS
f'c = 5,000 psi
fy = 65,000 psi (Welded Wire Reinforcement)

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Removal of Existing Structures No. 2	Each	1
Box Culvert End Sections, Culvert No. 2	Each	2
Precast Concrete Box Culverts, 4'x4'	Foot	107
Porous Granular Embankment	Cu. Yd.	219
Temp. Soil Retention System	S.F.	684
Traversable Pipe Grate for Concrete End Sections	Foot	42



GENERAL PLAN AND ELEVATION
IL RTE. 71 OVER
F.A.P. RTE. 71 SEC. (1-1)R, BR1
KENDALL COUNTY
STATION 625+16
CULVERT NO. 2

SCB-GPE

2-17-2017

USER NAME = dhawes	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/12/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRECAST BOX CULVERT DETAILS
CULVERT NO. 2, STA. 625 + 16

SCALE: SHEET 18 OF 35 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R,BR1	KENDALL	849	696A
CONTRACT NO. 66D26			ILLINOIS FED. AID PROJECT	

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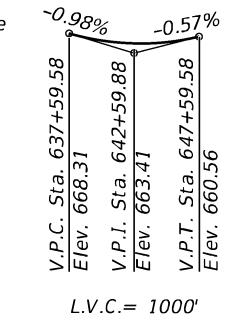
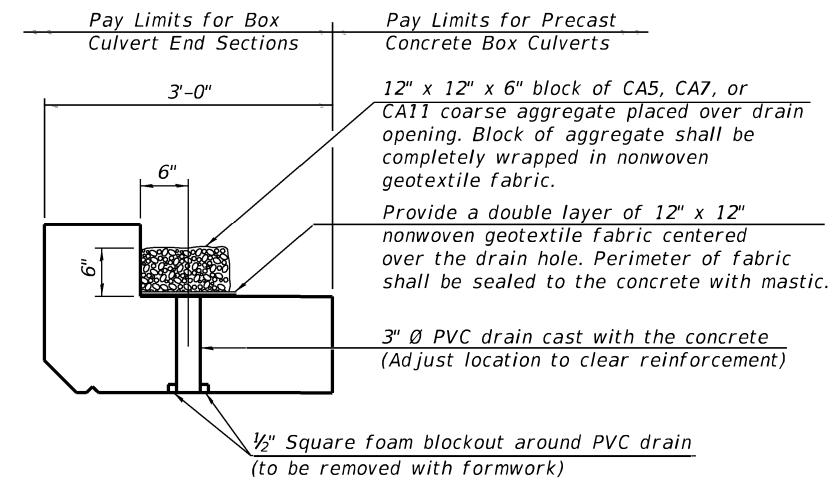
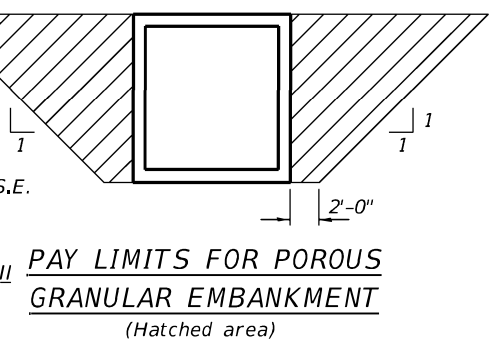
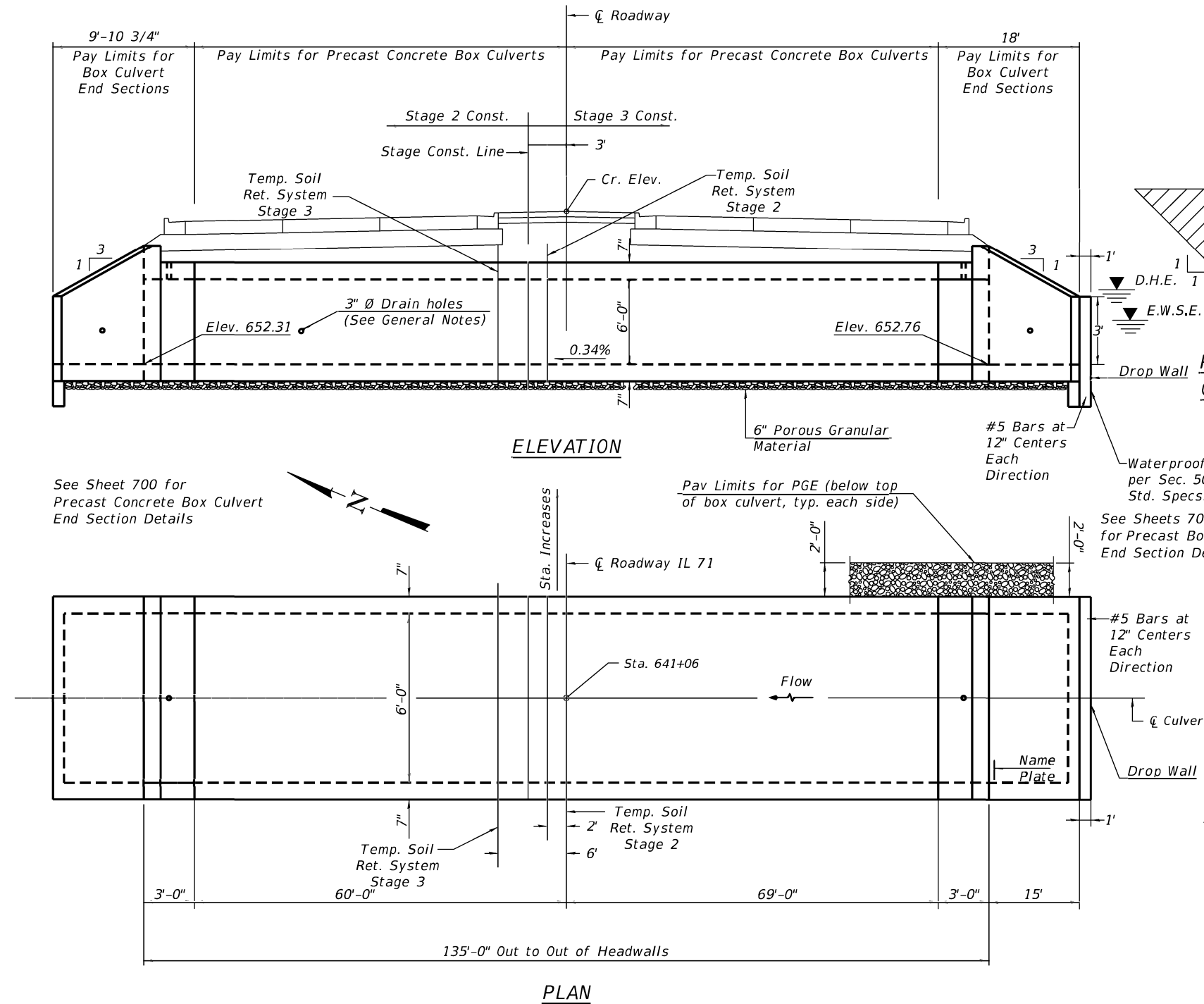
INDEX OF SHEETS

1. General Plan and Elevation
2. Temp. Soil Retention System

GENERAL NOTES

The design fill height for this box is 7 ft. The precast box culvert sections shall conform to the requirements of ASTM C 1577.
 Drain holes shall be provided on exterior culvert walls for each precast box segment with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specification.
 Nonwoven geotextile fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.
 Precast concrete box culverts and box culvert end sections shall be backfilled with Porous Granular Embankment in the required excavation areas on the sides of the box culvert from the top of the box culvert to the bottom of the box culvert. This area of PGE is included in the Porous Granular Embankment pay item. The 6-inch thick layer of porous granular material required under the precast concrete box culvert, according to Section 540.06 of the standard specifications, shall also apply to the end sections. Cost of this porous granular material will not be paid for separately but shall be included in the unit price of the work for which it is required.

Existing Structure: S.N. 047-2529 was built in 1938 under F.A.P. RTE 311, Section 1-A at STA 641+29.
 The existing structure is a single cell 6'x6' Reinforced concrete box culvert, 57.5 ft. long.



DRAIN DETAIL
 (All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)

PROFILE GRADE

DESIGN SPECIFICATIONS
 2012 AASHTO LRFD Bridge Design Specifications
 6th Edition with 2013 interims

LOADING HL-93

DESIGN STRESSES

PRECAST UNITS
 $f'_c = 5,000 \text{ psi}$
 $f_y = 65,000 \text{ psi}$ (Welded Wire Reinforcement)

TOTAL BILL OF MATERIAL

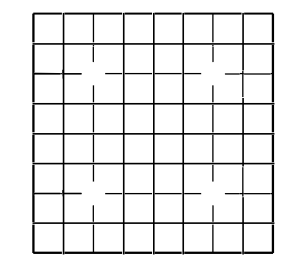
ITEM	UNIT	TOTAL
Removal of Existing Structures No. 3	Each	1
Name Plates	Each	1
Box Culvert End Sections, Culvert No. 3	Each	2
Precast Concrete Box Culverts, 6'x6'	Foot	129
Porous Granular Embankment	Cu. Yd.	493
Temp. Soil Retention System	S.F.	341
Concrete Box Culverts	Cu. Yd.	2
Reinforcement Bars	Pound	75
Traversable Pipe Grate for Concrete End Sections	Foot	13

WATERWAY INFORMATION

Drainage Area = 0.23 sq. mi. Low Grade Elev. = 664.39 @ Sta. 641+06

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	10	88	23	33	658.3	0.0	0.0	658.3	658.3
Base	50	138	25	35	658.6	0.0	0.0	658.6	658.6
Overtopping	100	159	26	36	658.7	0.1	0.0	658.8	658.7
Max. Calc.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	500	211	28	36	659.0	1.1	0.0	660.1	659.0

641+06
 BUILT BY
 STATE OF ILLINOIS
 F.A.P. RT. 71 SEC. (1-1)R, BR1
 LOADING HL-93
 STR. NO. 047-2579



GENERAL PLAN AND ELEVATION
 IL RTE. 71 OVER
 F.A.P. RTE. 311 SEC. (1-1)R, BR1
 KENDALL COUNTY
 STATION 641+06
 S.N. 047-2579

2-17-2017

USER NAME = dhawes	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/12/2022 - 11:24:41 AM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRECAST BOX CULVERT DETAILS
 SN 047-2579, STA. 641+06

F.A.P. RTE. 311	SECTION (1-1)R, BR1	COUNTY KENDALL	TOTAL SHEETS 849	SHEET NO. 697
			CONTRACT NO. 66D26	
		ILLINOIS FED. AID PROJECT		

SCALE: SHEET 19 OF 35 SHEETS STA. TO STA.

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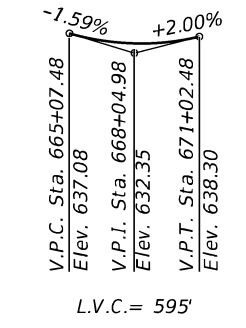
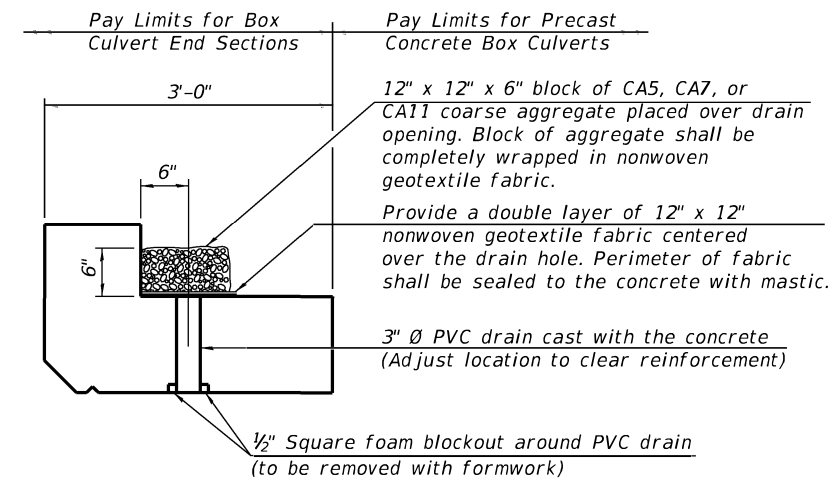
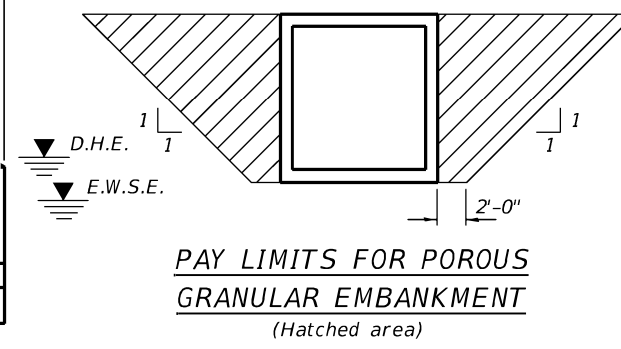
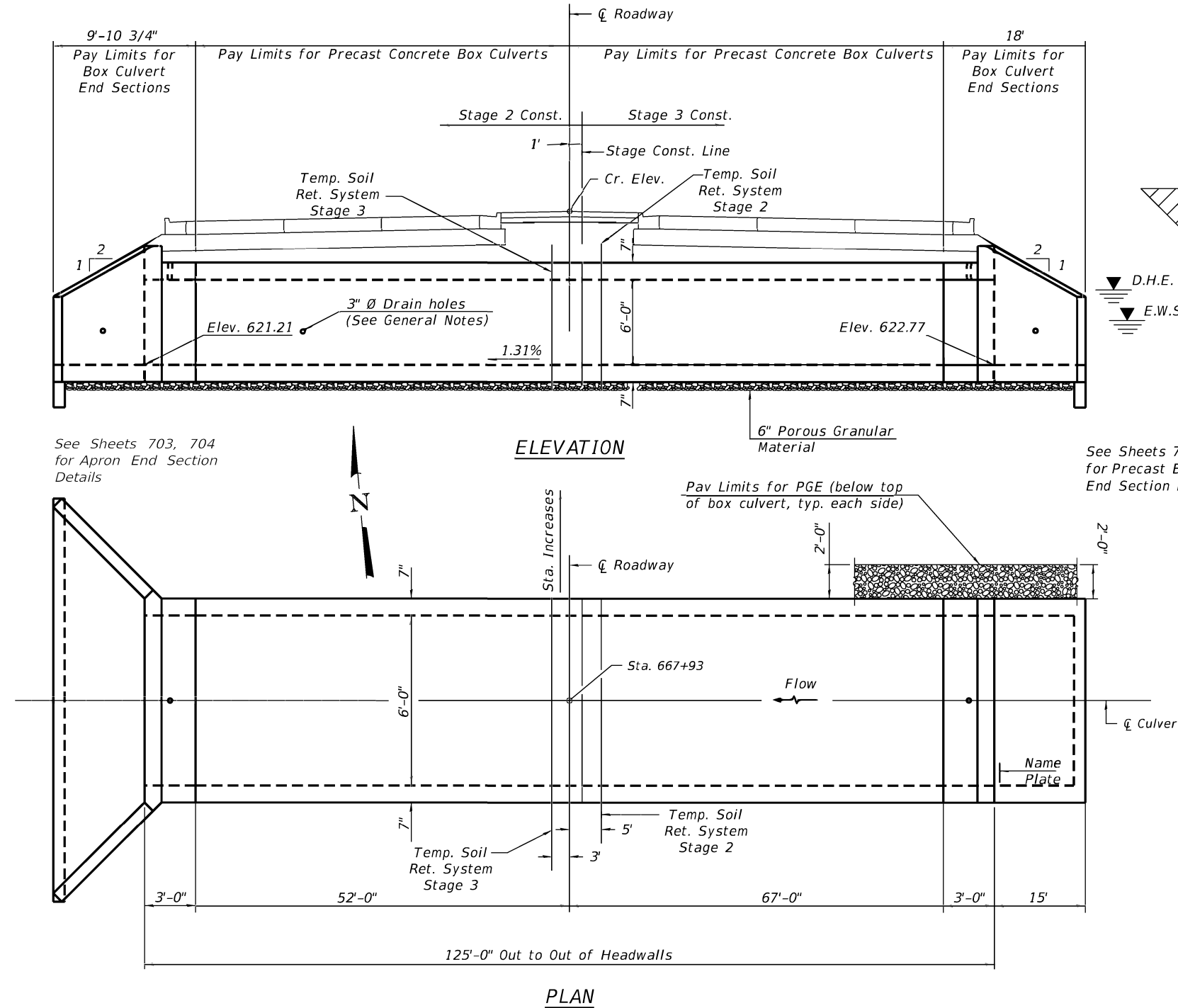
Existing Structure: S.N. 047-2569 was built in 1938 under F.A.P. RTE 311, Section 1-A at STA 668+17. The existing structure is a single cell 6'x6' Reinforced concrete box culvert, 70 ft. long.

INDEX OF SHEETS

1. General Plan and Elevation
2. Temp. Soil Retention System

GENERAL NOTES

The design fill height for this box is 7 ft. The precast box culvert sections shall conform to the requirements of ASTM C 1577.
 Drain holes shall be provided on exterior culvert walls for each precast box segment with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specification.
 Nonwoven geotextile fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.
 Precast concrete box culverts and box culvert end sections shall be backfilled with Porous Granular Embankment in the required excavation areas on the sides of the box culvert from the top of the box culvert to the bottom of the box culvert. This area of PGE is included in the Porous Granular Embankment pay item. The 6-inch thick layer of porous granular material required under the precast concrete box culvert, according to Section 540.06 of the standard specifications, shall also apply to the end sections. Cost of this porous granular material will not be paid for separately but shall be included in the unit price of the work for which it is required.



PAY LIMITS FOR POROUS GRANULAR EMBANKMENT
(Hatched area)

DRAIN DETAIL

(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)

PROFILE GRADE

DESIGN SPECIFICATIONS
2012 AASHTO LRFD Bridge Design Specifications
6th Edition with 2013 interims

LOADING HL-93

DESIGN STRESSES

PRECAST UNITS
f'c = 5,000 psi
fy = 65,000 psi (Welded Wire Reinforcement)

TOTAL BILL OF MATERIAL

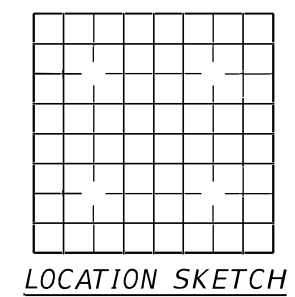
ITEM	UNIT	TOTAL
Removal of Existing Structures No. 4	Each	1
Name Plates	Each	1
Box Culvert End Sections, Culvert No. 4	Each	2
Precast Concrete Box Culverts, 6'x6'	Foot	119
Porous Granular Embankment	Cu. Yd.	463
Temp. Soil Retention System	S.F.	266
Traversable Pipe Grate for Concrete End Sections	Foot	25

WATERWAY INFORMATION

Drainage Area = 0.26 sq. mi. Low Grade Elev. = 635.08 @ Sta. 667+93

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	10	31	16.8	15.4	625.7	0.0	0.0	625.7	625.7
Base	50	57	19.9	18.5	626.2	0.1	0.0	626.3	626.2
Base	100	69	21.1	19.7	626.4	0.1	0.0	626.5	626.4
Overtopping	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Max. Calc.	500	95	25	23.6	627.0	0.3	0.0	627.3	627.0

667+93
BUILT BY
STATE OF ILLINOIS
F.A.P. RT. 71 SEC. (1-1)R, BR1
LOADING HL-93
STR. NO. 047-2580



GENERAL PLAN AND ELEVATION
IL RTE. 71 OVER
F.A.P. RTE. 71 SEC. (1-1)R, BR1
KENDALL COUNTY
STATION 667+93
S.N. 047-2580

SCB-GPE

2-17-2017

USER NAME = dhawes	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/12/2022 - 11:24:46 AM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRECAST BOX CULVERT DETAILS
SN 047-2580, STA. 667+93

SCALE: SHEET 20 OF 35 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R, BR1	KENDALL	849	698
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				

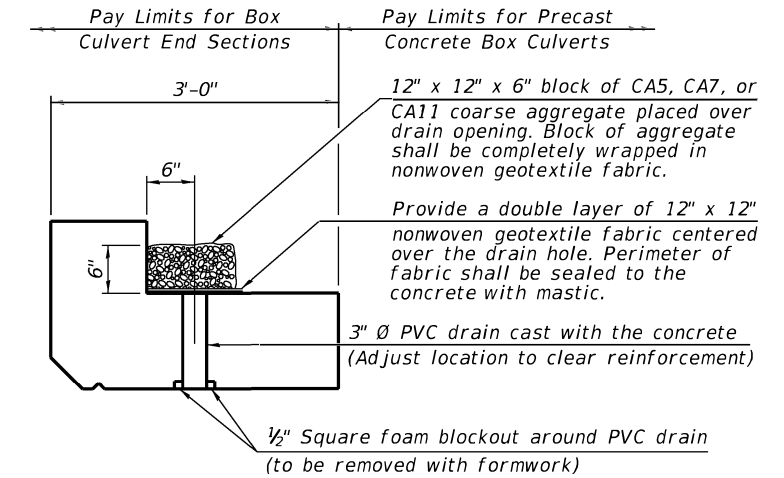
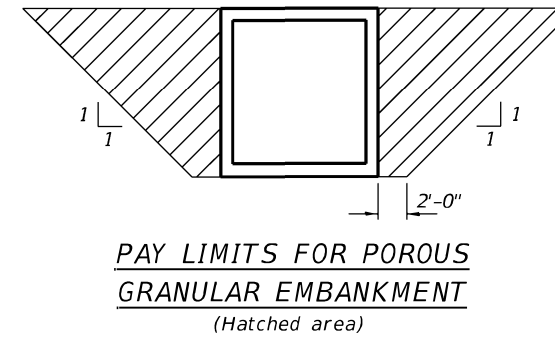
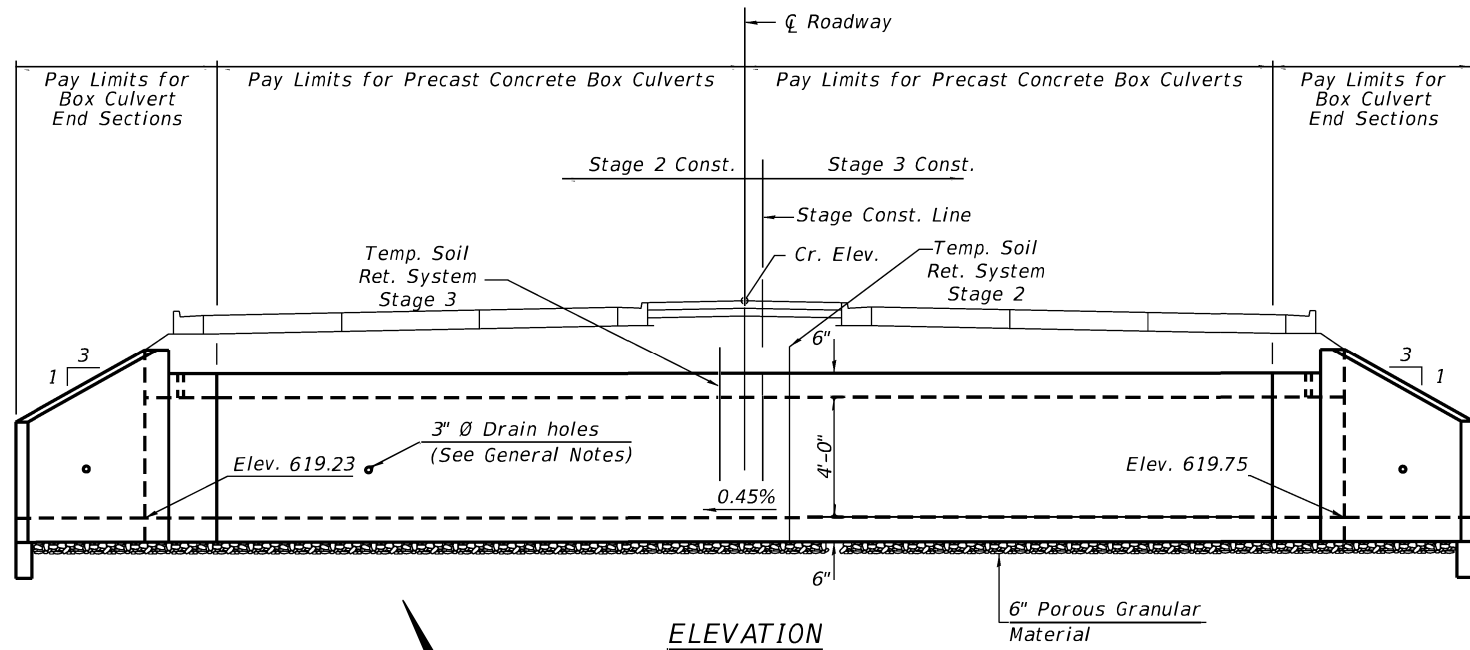
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INDEX OF SHEETS

1. General Plan and Elevation and Temp. Soil Retention System

GENERAL NOTES

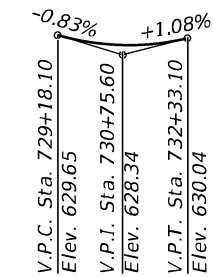
The design fill height for this box is 5 ft. The precast box culvert sections shall conform to the requirements of ASTM C 1577.
 Drain holes shall be provided on exterior culvert walls for each precast box segment with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specification.
 Nonwoven geotextile fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.
 Precast concrete box culverts and box culvert end sections shall be backfilled with Porous Granular Embankment in the required excavation areas on the sides of the box culvert from the top of the box culvert to the bottom of the box culvert. This area of PGE is included in the Porous Granular Embankment pay item. The 6-inch thick layer of porous granular material required under the precast concrete box culvert, according to Section 540.06 of the standard specifications, shall also apply to the end sections. Cost of this porous granular material will not be paid for separately but shall be included in the unit price of the work for which it is required.



(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)

See Sheets 701, 702 for Precast Box Culvert End Section Details

See Sheets 701, 702 for Precast Box Culvert End Section Details



DESIGN SPECIFICATIONS
2012 AASHTO LRFD Bridge Design Specifications
6th Edition with 2013 interims

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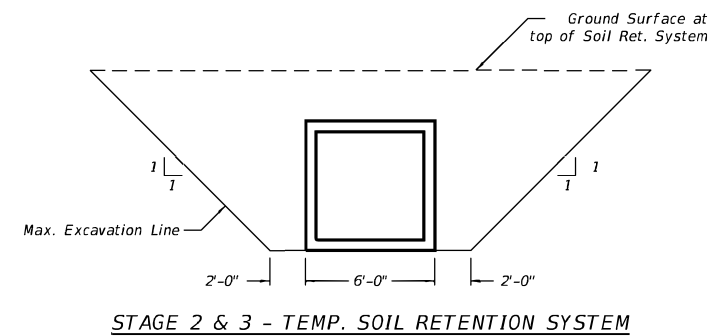
DESIGN STRESSES

PRECAST UNITS
 $f'_c = 5,000$ psi
 $f_y = 65,000$ psi (Welded Wire Reinforcement)

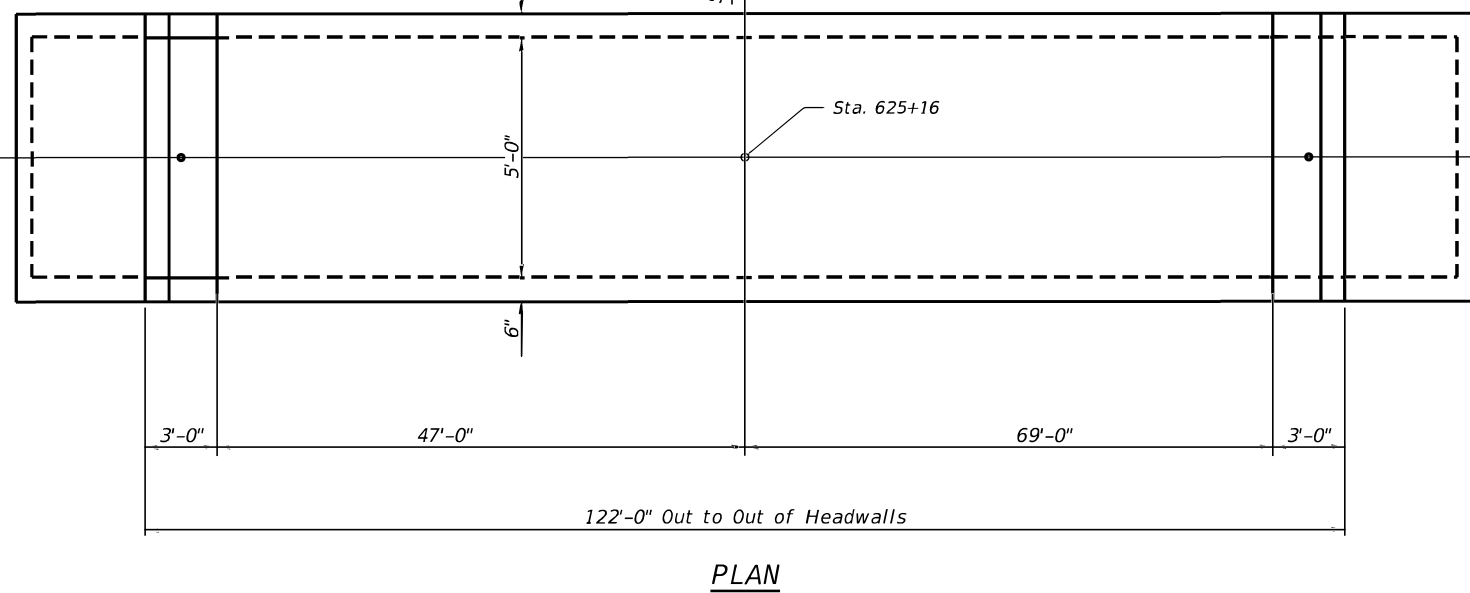
TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Removal of Existing Structures No. 5	Each	1
Box Culvert End Sections, Culvert No. 5	Each	2
Precast Concrete Box Culverts, 5'x4'	Foot	116
Porous Granular Embankment	Cu. Yd.	244
Temp. Soil Retention System	S.F.	1088
Traversable Pipe Grate for Concrete End Sections	Foot	40

GENERAL PLAN AND ELEVATION
IL RTE. 71 OVER
F.A.P. RTE. 71 SEC. (1-1)R, BR1
KENDALL COUNTY
STATION 730+47.20
CULVERT NO. 5



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SCB-GPE 2-17-2017

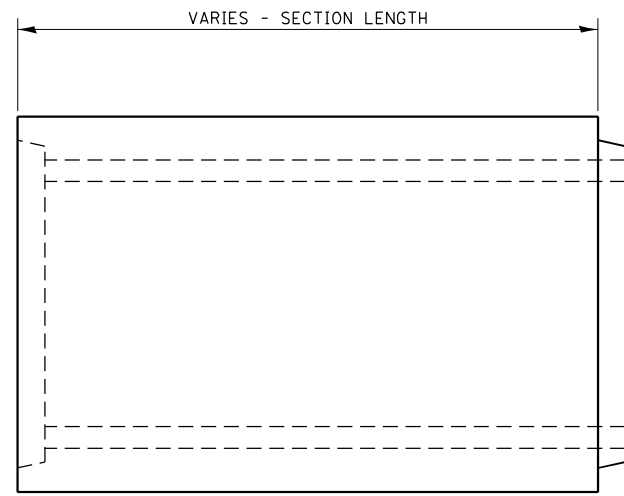
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	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/12/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

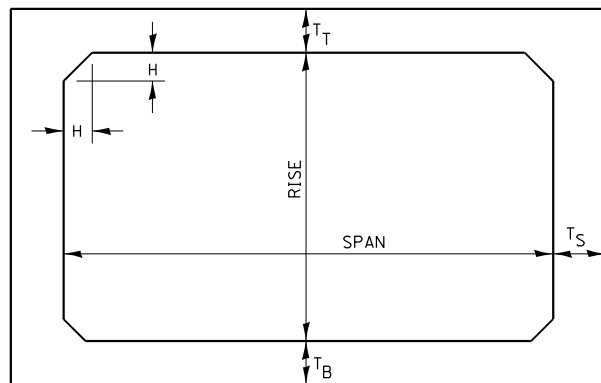
PRECAST BOX CULVERT DETAILS
CULVERT NO. 5, STA. 730 + 47.20

SCALE: SHEET 21 OF 35 SHEETS STA. TO STA.

F.A.P. RTE. 311	SECTION (1-1)R, BR1	COUNTY KENDALL	TOTAL SHEETS 849	SHEET NO. 698A
			CONTRACT NO. 66D26	
ILLINOIS FED. AID PROJECT				



ELEVATION



NOTE: THE HAUNCH DIMENSION H, IS EQUAL TO THE WALL THICKNESS T_S.

TYPICAL BOX SECTION

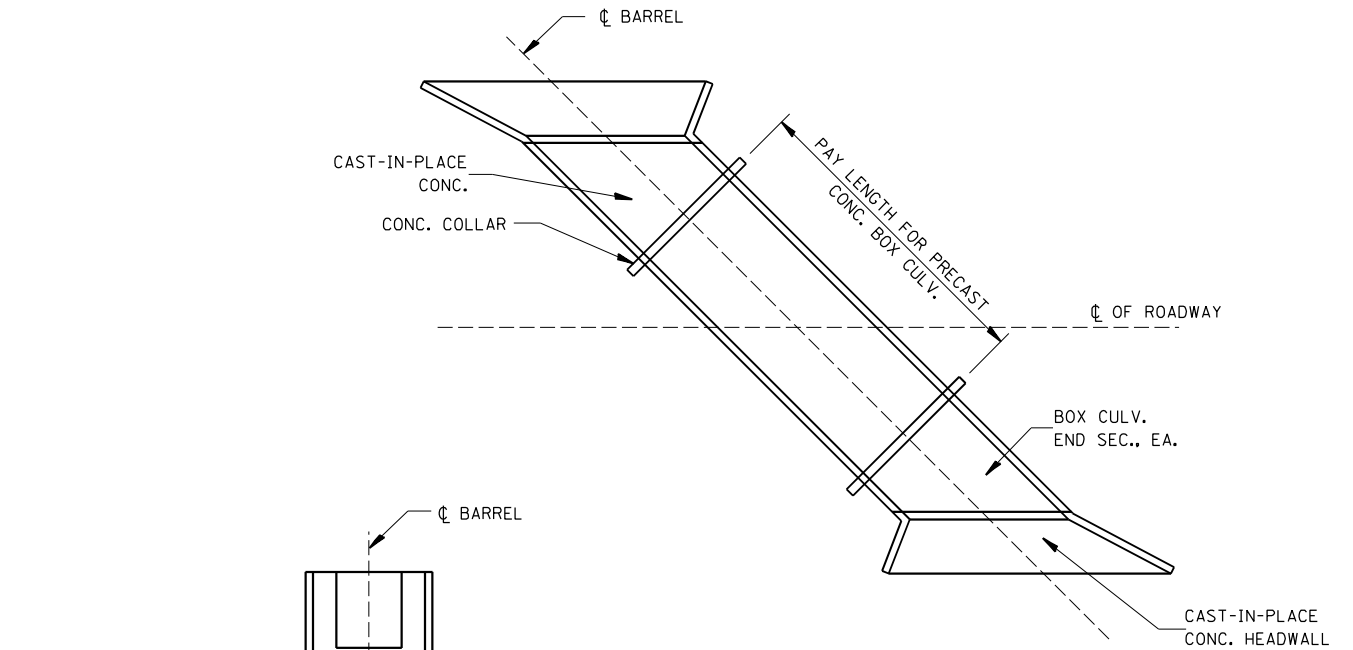
SPAN, FEET	T _T , INCHES		T _B , INCHES		T _S , INCHES	
	M 259	M 273	M 259	M 273	M 259	M 273
3	4	7	4	6	4	4
4	5	7½	5	6	5	5
5	6	8	6	7	6	6
6	7	8	7	7	7	7
7	8	8	8	8	8	8
8	8	8	8	8	8	8
9	9	9	9	9	9	9
10	10	10	10	10	10	10
11	11	11	11	11	11	11
12	12	12	12	12	12	12

TYPICAL THICKNESSES

GENERAL NOTES:

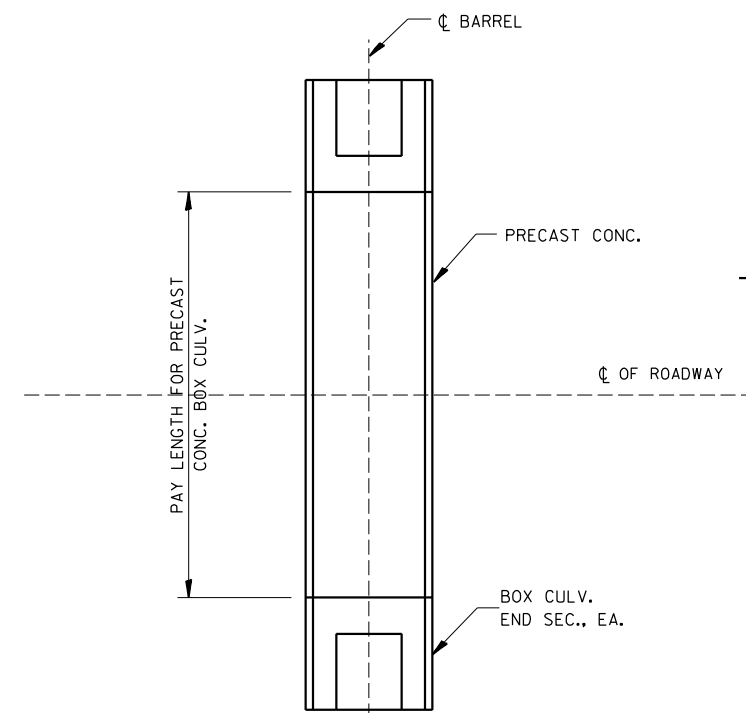
MINIMUM COVER FOR BOX
CULVERTS SHALL BE 6".

PRECAST CONCRETE BOX SECTION



**PAY LENGTH FOR PRECAST CONCRETE
BOX CULVERT SKEWED WITH ROADWAY**

N.T.S.



**PAY LENGTH FOR PRECAST CONCRETE
BOX CULVERT AT RIGHT ANGLES WITH ROADWAY**

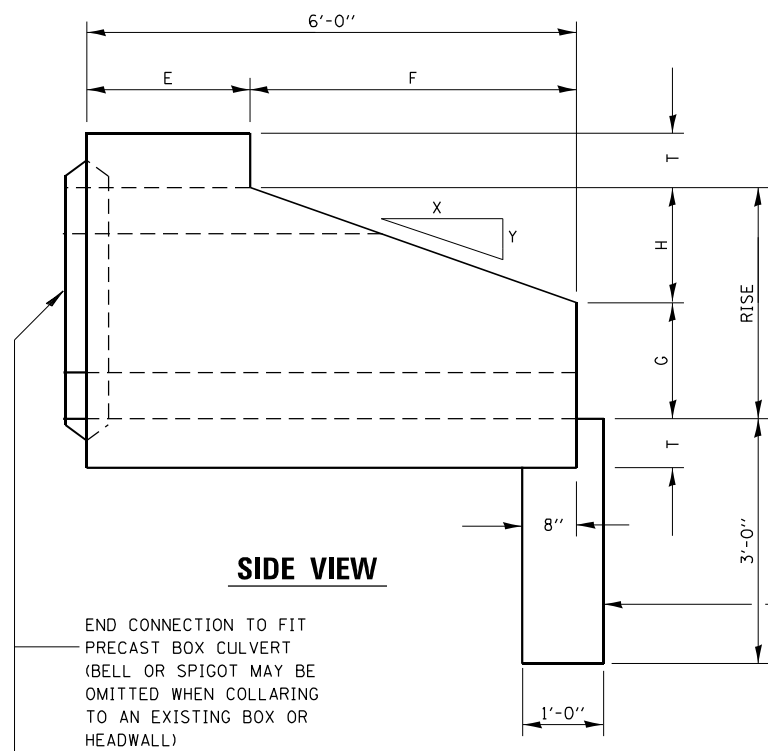
N.T.S.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRECAST CONCRETE BOX CULVERT
DETAILS

SCALE: SHEET 20 OF 33 SHEETS STA. TO STA.

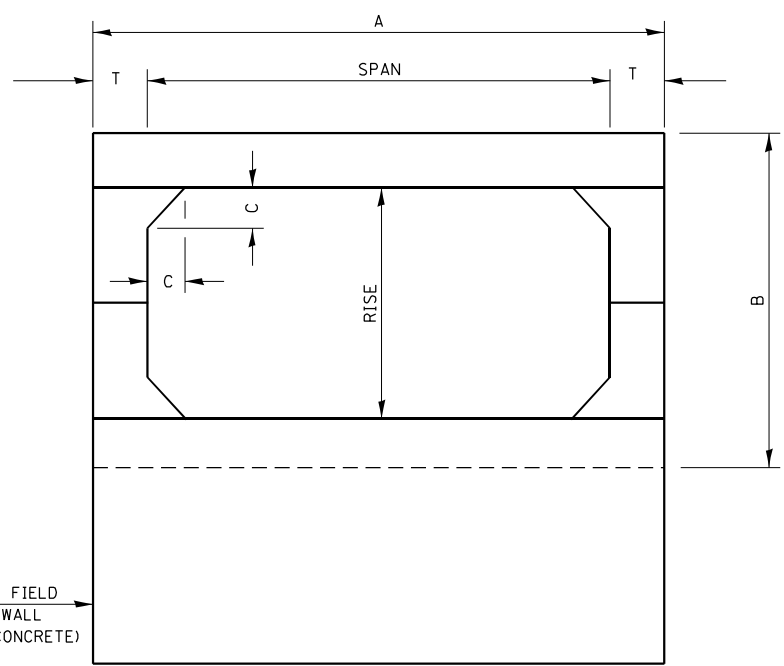
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R,B1	KENDALL	847	699
			CONTRACT NO. 66D26	
ILLINOIS FED. AID PROJECT				



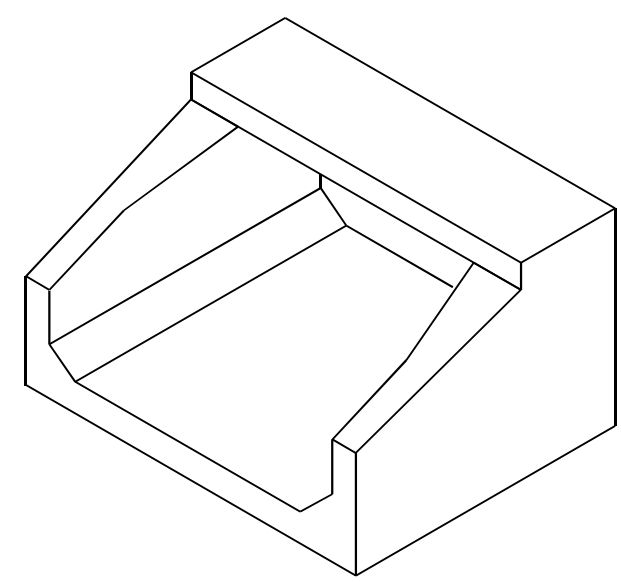
SIDE VIEW

END CONNECTION TO FIT
 PRECAST BOX CULVERT
 (BELL OR SPIGOT MAY BE
 OMITTED WHEN COLLARING
 TO AN EXISTING BOX OR
 HEADWALL)

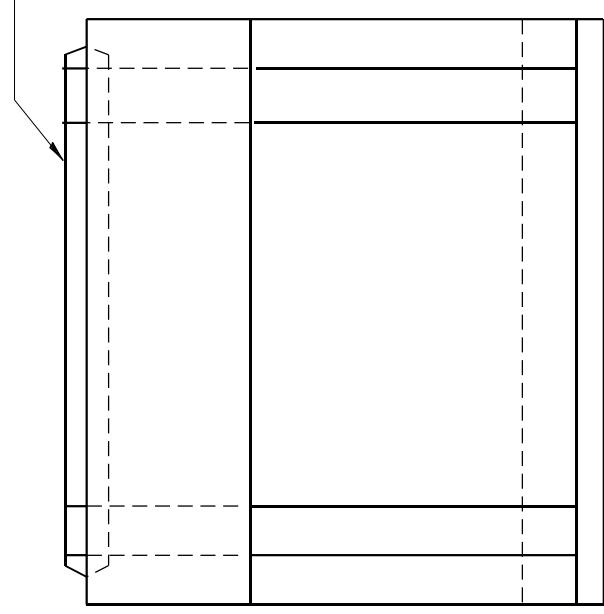
PRECAST OR FIELD
 POURED TOEWALL
 (CLASS SI CONCRETE)



END VIEW



ISOMETRIC VIEW



PLAN

SPAN X RISE	T (INCHES)	A (FT.-IN.)	B (FT.-IN.)	C (INCHES)	E (FT.-IN.)	F (FT.-IN.)	G (FT.-IN.)	H (FT.-IN.)	SLOPE
2' X 2'	4	2 - 8	2 - 8	4	3 - 0	3 - 0	1 - 0	1 - 0	3 : 1
3' X 2'	4	3 - 8	2 - 8	4	3 - 0	3 - 0	1 - 0	1 - 0	3 : 1
3' X 3'	4	3 - 8	3 - 8	4	2 - 0	4 - 0	1 - 8	1 - 4	3 : 1
4' X 2'	5	4 - 10	2 - 10	5	3 - 0	3 - 0	1 - 0	1 - 0	3 : 1
4' X 3'	5	4 - 10	3 - 10	5	2 - 0	4 - 0	1 - 8	1 - 4	3 : 1
4' X 4'	5	4 - 10	4 - 10	5	2 - 0	4 - 0	2 - 0	2 - 0	2 : 1
5' X 2'	6	6 - 0	3 - 0	6	3 - 0	3 - 0	1 - 0	1 - 0	3 : 1
5' X 3'	6	6 - 0	4 - 0	6	2 - 0	4 - 0	1 - 8	1 - 4	3 : 1
5' X 4'	6	6 - 0	5 - 0	6	2 - 0	4 - 0	2 - 0	2 - 0	2 : 1
5' X 5'	6	6 - 0	6 - 0	6	4 - 0	4 - 0	3 - 0	2 - 0	2 : 1
6' X 2'	7	7 - 2	3 - 2	7	3 - 0	3 - 0	1 - 0	1 - 0	3 : 1
6' X 3'	7	7 - 2	4 - 2	7	2 - 0	4 - 0	1 - 8	1 - 4	3 : 1
6' X 4'	7	7 - 2	5 - 2	7	2 - 0	4 - 0	2 - 0	2 - 0	2 : 1
6' X 5'	7	7 - 2	6 - 2	7	4 - 0	4 - 0	3 - 0	2 - 0	2 : 1
7' X 3'	8	8 - 4	4 - 4	8	4 - 0	4 - 0	1 - 8	1 - 4	3 : 1
7' X 4'	8	8 - 4	5 - 4	8	4 - 0	4 - 0	2 - 0	2 - 0	2 : 1
7' X 5'	8	8 - 4	6 - 4	8	4 - 0	3 - 0	3 - 0	2 - 0	2 : 1
8' X 3'	8	9 - 4	4 - 4	8	4 - 0	4 - 0	1 - 8	1 - 4	3 : 1
8' X 4'	8	9 - 4	5 - 4	8	4 - 0	4 - 0	2 - 0	2 - 0	2 : 1
8' X 5'	8	9 - 4	6 - 4	8	4 - 0	3 - 0	3 - 0	2 - 0	2 : 1
9' X 3'	9	10 - 6	4 - 6	9	4 - 0	4 - 0	1 - 8	1 - 4	3 : 1
9' X 4'	9	10 - 6	5 - 6	9	4 - 0	4 - 0	2 - 0	2 - 0	2 : 1
9' X 5'	9	10 - 6	6 - 6	9	4 - 0	3 - 0	3 - 0	2 - 0	2 : 1
10' X 4'	10	11 - 8	5 - 9	10	4 - 0	4 - 0	2 - 0	2 - 0	2 : 1
10' X 5'	10	11 - 8	6 - 8	10	4 - 0	3 - 0	3 - 0	2 - 0	2 : 1

Note: For a 6'x6' culvert, all horizontal dimensions shall be those for a 6'x5' and all vertical dimensions shall be increased by one foot.

PRECAST CONCRETE BOX CULVERT END SECTION

MODEL: Default
 FILE NAME: ...0366026-shc-detailed.dgn

USER NAME = dhawes	DESIGNED -	REVISED -
DRAWN -	REVISOR -	REVISION -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISOR -
PLOT DATE = 7/21/2022 - 10:37:35 AM	DATE -	REVISION -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PRECAST CONCRETE BOX CULVERT
 END SECTION DETAILS**

SCALE: N.T.S. SHEET 23 OF 35 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R,BR1	KENDALL	847	700
CONTRACT NO. 66D26				
ILLINOIS FED. AID PROJECT				