



PARCEL 3SD0105

MARY ANN HEITKOTTER, TRUSTEE

TOTAL HOLDING = 8,704 Sq Ft.
TOTAL R.O.W. REQUIRED = 586 Sq Ft.
REMAINDER = 8,118 Sq Ft.
TEMPORARY EASEMENT = 630 Sq Ft.
PURPOSE: DRIVEWAY RECONSTRUCTION & GRADING

PARCEL	POINT TO POINT	BEARING	DISTANCE
3SD0105	223 TO 309	R=540.51' L=66.35' Ch= N.23°48'28"W. 66.31'	
	309 TO 312	N.7°46'30"E. 11.82'	
	312 TO 223	S.7°32'33"E. 66.00'	
	222 TO 223	S.7°14'29"W. 4.58'	
	223 TO 307	S.7°46'25"W. 5.62'	
3SD0105 TE	307 TO 308	R=550.01' L=66.34' Ch= N.23°42'38"W. 66.30'	
	308 TO 309	N.7°46'30"E. 5.51'	
	304 TO 223	R=540.51' L=66.35' Ch= S.23°46'28"E. 66.31'	

PARCEL 3SD0106

DONNA L COOK

TOTAL HOLDING = 8,706 Sq Ft.
TOTAL R.O.W. REQUIRED = 890 Sq Ft.
REMAINDER = 7,816 Sq Ft.
TEMPORARY EASEMENT = 627 Sq Ft.
PURPOSE: DRIVEWAY RECONSTRUCTION & GRADING

PARCEL	POINT TO POINT	BEARING	DISTANCE
3SD0106	315 TO 313	N.7°46'30"E. 11.93'	
	313 TO 312	S.17°32'39"E. 66.00'	
	312 TO 309	S.7°14'6'30"W. 11.82'	
3SD0106 TE	309 TO 311	R=540.51' L=33.87' Ch= N.18°29'45"E. 33.66'	
	311 TO 315	N.36°42'02"W. 32.14'	
	315 TO 311	S.16°42'02"E. 32.14'	
	311 TO 309	R=540.51' L=33.87' Ch= S.18°29'45"E. 33.66'	
	309 TO 308	S.7°14'6'30"W. 9.50'	
	308 TO 310	R=550.01' L=34.12' Ch= N.28°28'41"W. 34.12'	
	310 TO 316	N.16°42'02"W. 31.88'	
316 TO 315	N.7°46'30"E. 9.50'		

PARCEL 3SD0107

MARGARET FURMAN

TOTAL HOLDING = 8,708 Sq Ft.
TOTAL R.O.W. REQUIRED = 754 Sq Ft.
REMAINDER = 7,954 Sq Ft.
TEMPORARY EASEMENT = 627 Sq Ft.
PURPOSE: DRIVEWAY RECONSTRUCTION & GRADING

PARCEL	POINT TO POINT	BEARING	DISTANCE
3SD0107	316 TO 313	N.16°42'02"W. 66.02'	
	313 TO 314	N.7°46'31"E. 10.93'	
	314 TO 313	S.7°46'31"E. 66.00'	
3SD0107 TE	313 TO 315	S.7°14'6'30"W. 11.90'	
	315 TO 316	S.7°14'6'30"W. 9.50'	
	316 TO 317	N.16°42'02"W. 66.02'	
	317 TO 318	N.7°46'31"E. 9.50'	
318 TO 315	S.16°42'02"E. 66.02'		

PARCEL 3SD0108

CAROLYN B. EGGERT, et al

TOTAL HOLDING = 8,710 Sq Ft.
TOTAL R.O.W. REQUIRED = 689 Sq Ft.
REMAINDER = 8,021 Sq Ft.
TEMPORARY EASEMENT = 627 Sq Ft.
PURPOSE: DRIVEWAY RECONSTRUCTION & GRADING

PARCEL	POINT TO POINT	BEARING	DISTANCE
3SD0108	320 TO 319	N.7°46'32"E. 9.56'	
	319 TO 314	S.17°32'39"E. 66.30'	
	314 TO 318	S.7°14'6'31"W. 10.93'	
3SD0108 TE	318 TO 320	N.16°42'02"W. 66.02'	
	320 TO 318	S.16°42'02"E. 66.02'	
	318 TO 317	S.7°14'6'31"W. 9.50'	
	317 TO 321	N.16°42'02"W. 66.02'	
	321 TO 320	N.7°46'31"E. 9.50'	

PARCEL 3SD0109

R. DANIEL CONLON, BISHOP OF THE ROMAN CATHOLIC DIOCESE OF JOILET, TRUSTEE

TOTAL HOLDING = 34,852 Sq Ft.
TOTAL R.O.W. REQUIRED = 747 Sq Ft.
REMAINDER = 34,105 Sq Ft.
TEMPORARY EASEMENT = 2,785 Sq Ft.
PURPOSE: DRIVEWAY RECONSTRUCTION & GRADING

PARCEL	POINT TO POINT	BEARING	DISTANCE
3SD0109	320 TO 324	N.16°42'02"W. 22.30'	
	324 TO 322	N.12°51'56"W. 110.24'	
	323 TO 319	S.17°32'39"E. 136.00'	
	319 TO 320	S.7°14'6'32"E. 9.56'	
	320 TO 321	S.7°14'6'32"W. 9.50'	
	321 TO 321A	N.16°42'02"W. 42.55'	
	321A TO 321B	S.7°14'7'58"W. 6.00'	
	321B TO 322	N.16°42'02"W. 99.33'	
	322 TO 322A	N.7°46'30"E. 16.01'	
	322A TO 322B	N.16°42'02"W. 80.25'	
	322B TO 322C	N.7°14'7'58"W. 6.33'	
	322C TO 323	S.17°32'38"E. 80.06'	
	323 TO 324	S.7°14'5'58"E. 110.24'	
	324 TO 320	S.16°42'02"E. 22.30'	

PARCEL 3SD0092

OSWEGO COMMUNITY UNIT DIST. #308

FOR AREAS, SEE SHEET 9

PARCEL	POINT TO POINT	BEARING	DISTANCE
3SD0092 TE	350 TO 350A	N.17°32'39"W. 161.72'	
	350A TO 350B	N.7°14'7'58"E. 8.40'	
	350B TO 351	S.16°42'02"E. 110.00'	
	351 TO 352	N.7°14'7'58"E. 77.00'	
	352 TO 352A	S.16°42'02"E. 5.14'	
352A TO 350	S.7°20'31"W. 28.02'		

PARCEL 3SD0112

JOSEPH A. JACKSON, et ux.

TOTAL HOLDING = 15,141 Sq Ft.
TEMPORARY EASEMENT = 1,881 Sq Ft.
PURPOSE: DRIVEWAY RECONSTRUCTION & GRADING

PARCEL	POINT TO POINT	BEARING	DISTANCE
3SD0112 TE	344 TO 340	N.17°32'39"W. 108.00'	
	340 TO 345	N.72°08'54"E. 11.02'	
	349 TO 348	S.16°42'02"E. 63.53'	
	348 TO 347	N.7°14'7'58"W. 13.00'	
	347 TO 346	S.16°42'02"E. 44.24'	
346 TO 344	S.72°08'53"W. 22.43'		

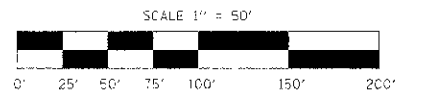
PARCEL 3SD0111

TIMAR PROPERTIES, LTD.

TOTAL HOLDING = 12,224 Sq Ft.
TOTAL R.O.W. REQUIRED = 201 Sq Ft.
REMAINDER = 12,023 Sq Ft.
TEMPORARY EASEMENT = 990 Sq Ft.
PURPOSE: DRIVEWAY RECONSTRUCTION & GRADING

PARCEL	POINT TO POINT	BEARING	DISTANCE
3SD0111	339 TO 338	S.72°54'15"W. 4.66'	
	338 TO 344	N.17°32'39"W. 86.27'	
3SD0111 TE	344 TO 339	S.20°38'00"E. 86.43'	
	339 TO 344	N.20°38'00"W. 86.43'	
	344 TO 345	N.72°08'53"E. 11.43'	
	345 TO 343	S.16°42'02"E. 86.26'	
	343 TO 339	S.72°54'15"W. 8.60'	

NOTE: ALL BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE (N.A.D. 83)



RIGHT OF WAY PLANS

ROUTE: I-55, I-55 (IL RTE. 71)

SECTION: I-55

PROJECT: I-55

COUNTY: KENDALL

JOB NUMBER: R-93-015-02

STATION: 200+00.00 TO 207+00.00

SHEET: 13 OF 13 SCALE: 1"=50'

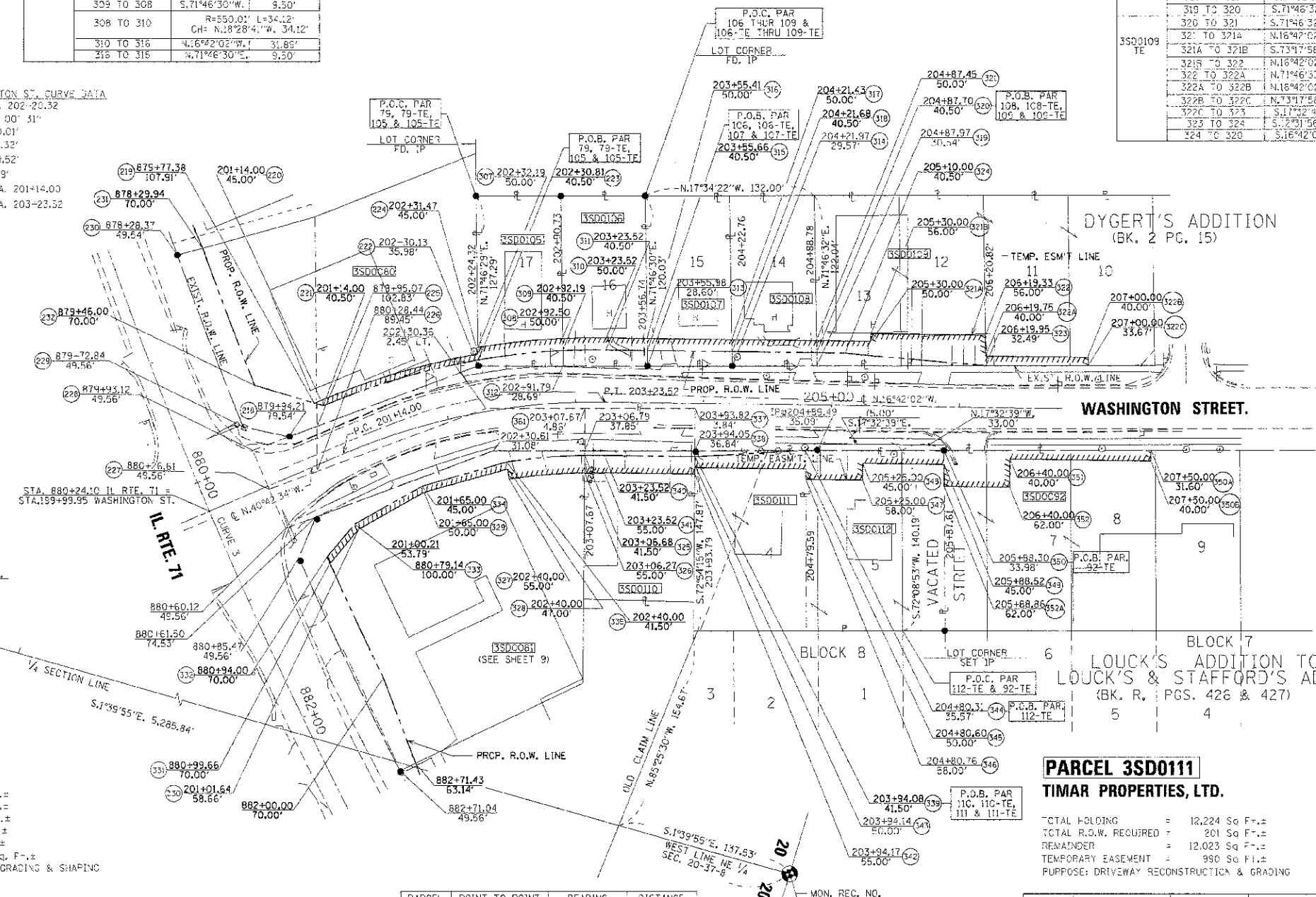
PARCEL 3SD0080

ILLINOIS BELL TELEPHONE CO.

FOR PARCEL 3SD0080 SEE SHEET 8

WASHINGTON ST. CURVE DATA
 P.I. STA. 202+20.32
 $\Delta = 24^\circ 00' 51"$
 $R = 500.01'$
 $T = 106.32'$
 $L = 209.52'$
 $E = 11.19'$
 P.C. STA. 201+14.00
 P.T. STA. 203+23.52

CURVE 3
 P.I. STA. 874+55.30
 $\Delta = 63^\circ 50' 44"$
 $R = 3575.28'$
 $T = 2227.39'$
 $L = 3983.98'$
 $E = 637.07'$
 P.C. STA. 851+87.92
 P.T. STA. 891+71.90

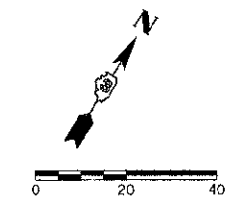
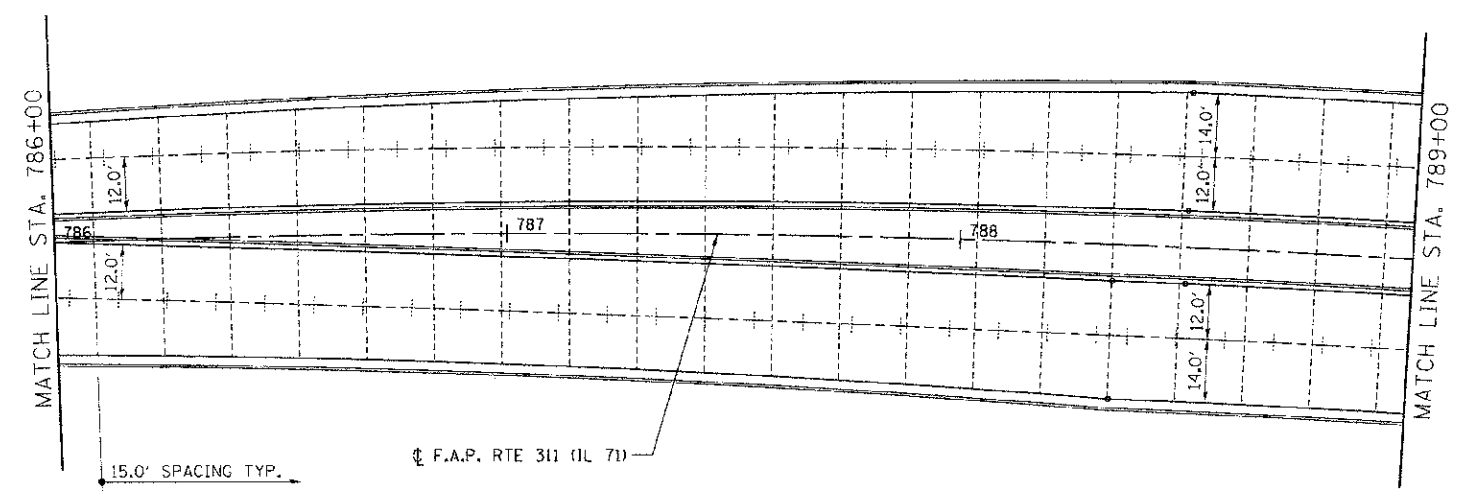
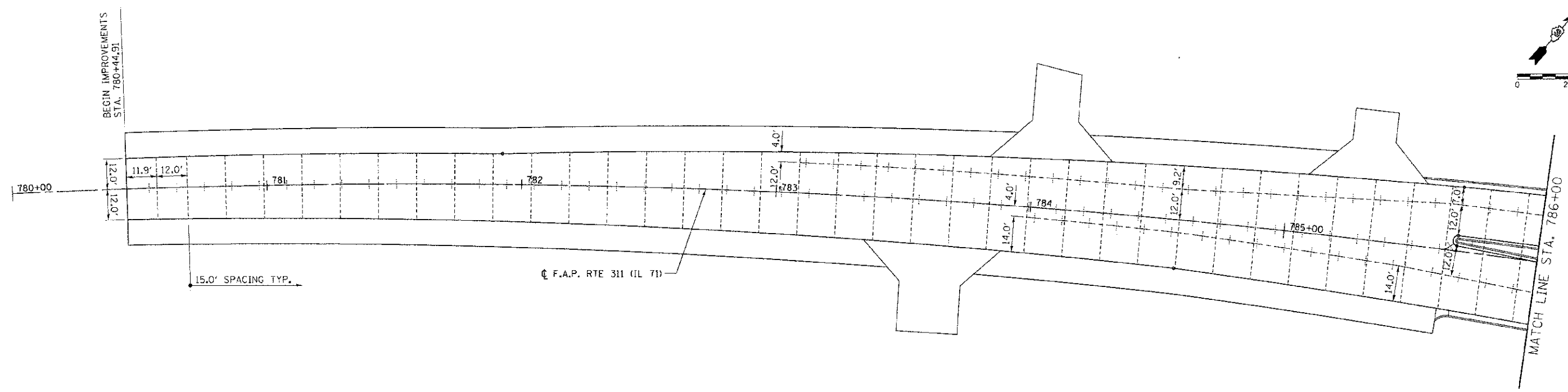
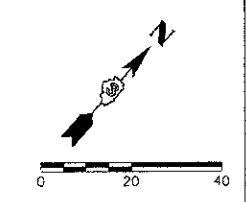


PARCEL	POINT TO POINT	BEARING	DISTANCE
3SD0110	339 TO 340	S.16°42'02"E. 70.56'	
	340 TO 329	R=458.51' L=5.44' Ch= S.17°32'39"E. 13.44'	
	325 TO 301	S.72°54'18"W. 36.65'	
	361 TO 347	N.17°32'39"W. 86.00'	
	337 TO 339	N.72°54'15"E. 37.66'	
110-T.E.	339 TO 342	N.72°54'15"E. 13.50'	
	342 TO 341	S.6°42'32"E. 70.65'	
	341 TO 326	R=445.01' L=15.35' Ch= S.17°11'20"E. 15.35'	
	326 TO 325	S.72°54'15"W. 13.50'	
	325 TO 340	R=458.51' L=5.44' Ch= N.17°32'39"W. 15.44'	
	340 TO 339	N.72°54'15"W. 70.56'	

I VINCENT D. BRANDOW, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF PROPOSED P.A.P. 311 (IL RTE. 71) WAS MADE BY REINICK & ASSOCIATES, INC. 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.

DATE: _____
 ILLINOIS PROFESSIONAL LAND SURVEYOR
 NO. 2655
 SURVEY BOOK NO. _____ 11-30-10
 EXPIRATION DATE

CONTRACT NO. 66420				
F.A.P. 311	SECTION (1-1)R	COUNTY KENDALL	TOTAL SHEETS 514	SHEET NO. 302
STA. 780+44.91		TO STA. 789+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



LEGEND

	KEYED CONSTRUCTION JOINT
	SAWED LONGITUDINAL JOINT OR LONGITUDINAL CONSTRUCTION JOINT
	TRANSVERSE SAWED CONTRACTION JOINT

REVISIONS	
NAME	DATE

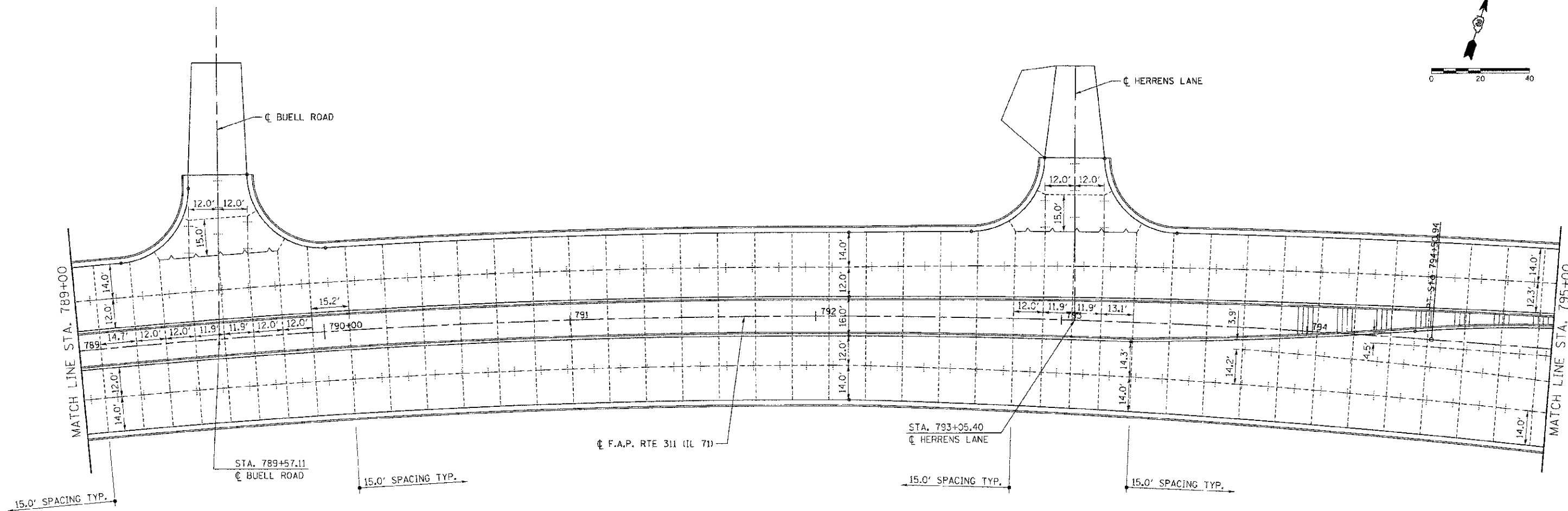
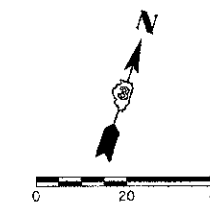
ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT JOINT LAYOUT
IL RTE 71
STA 780+44.91 TO STA 789+00

SCALE: VERT. 1"=20'
 HORIZ. 1"=20'
 DATE 7/5/2012

DRAWN BY SAE
 CHECKED BY MED

TUG PROJ: 3105014
 PLOT DATE: 7/5/2012
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	1-11R	KENDALL	514	303
STA. 789+00		TO STA. 795+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



LEGEND

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- SAWED LONGITUDINAL JOINT OR LONGITUDINAL CONSTRUCTION JOINT
- TRANSVERSE SAWED CONTRACTION JOINT

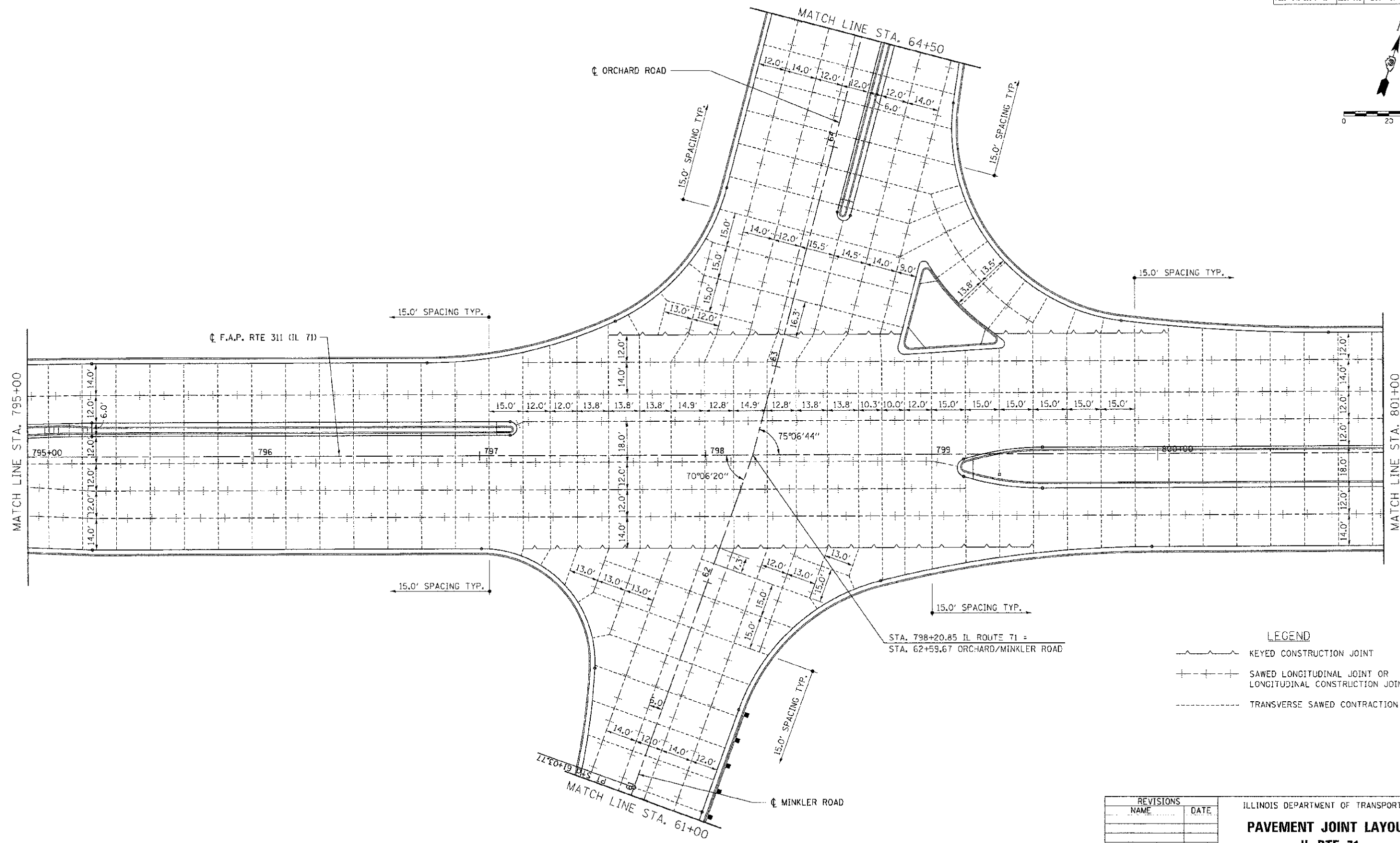
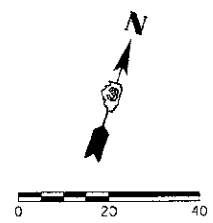
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT JOINT LAYOUT
IL RTE 71
STA 789+00 TO STA 795+00

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 DATE 7/5/2012
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 CHECKED BY MED

THE PROJ. NUMBER IS 66420
 PLOT DATE IS 7/5/2012
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CONTRACT NO. 66420				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	11-11R	KENDALL	514	304
STA. 795+00	TO STA. 801+00			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



STA. 798+20.85 IL ROUTE 71 =
 STA. 62+59.67 ORCHARD/MINKLER ROAD

LEGEND

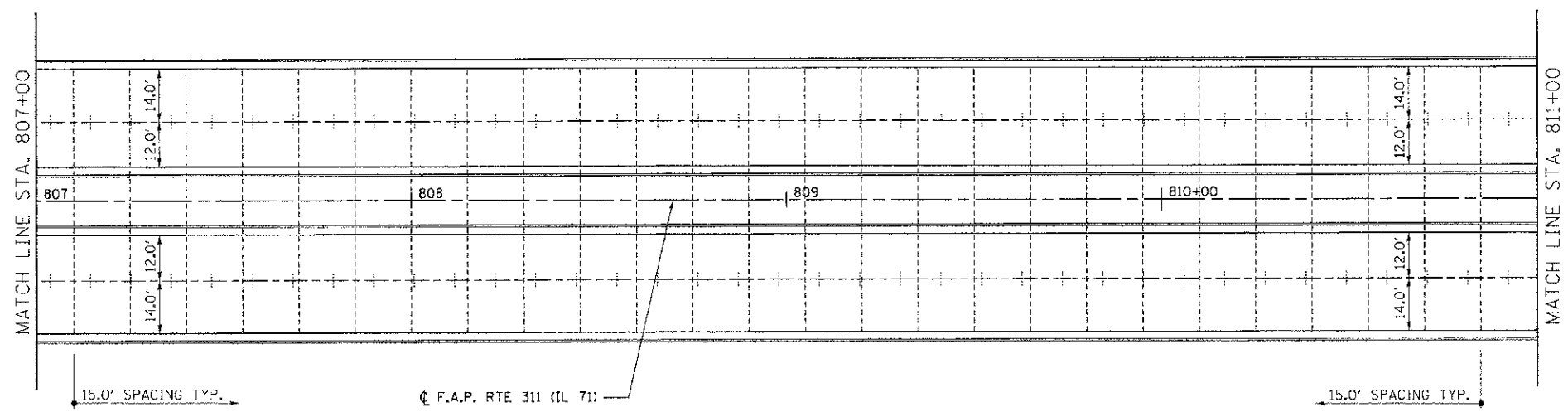
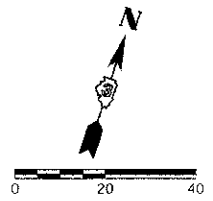
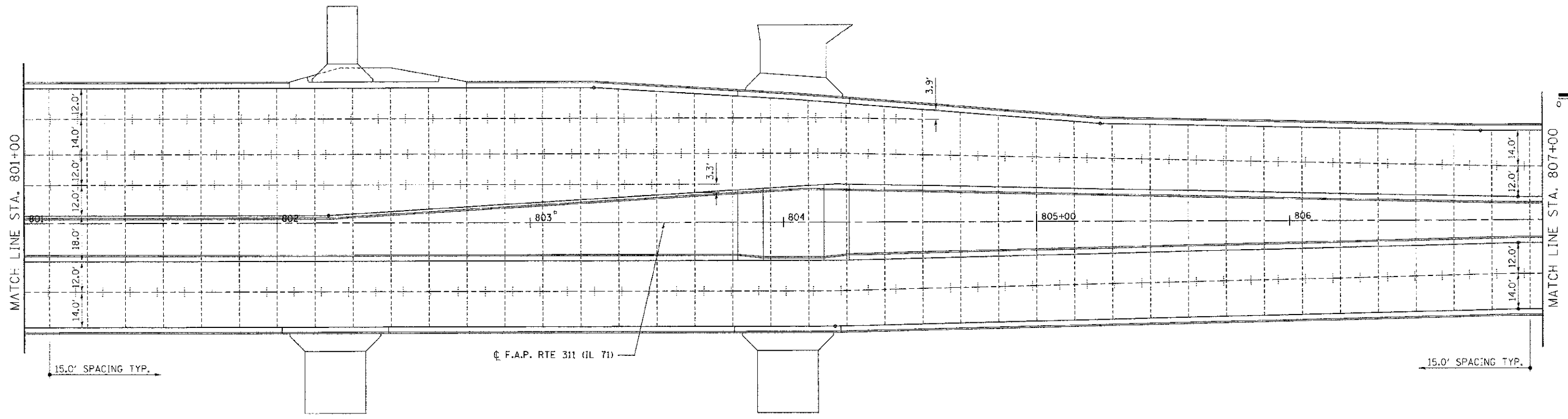
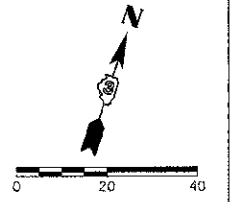
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- SAWED LONGITUDINAL JOINT OR LONGITUDINAL CONSTRUCTION JOINT
- TRANSVERSE SAWED CONTRACTION JOINT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT JOINT LAYOUT
IL RTE 71
STA 795+00 TO STA 801+00
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 DATE 7/5/2012
 DRAWN BY SAE
 CHECKED BY MED

TUG PROJ: *5185014
 PLOT DATE: 7/5/2012
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-DR)	KENDALL	514	305
S.F.A. 801+00	TO STA. 811+00			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



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	TRANSVERSE SAWED CONTRACTION JOINT

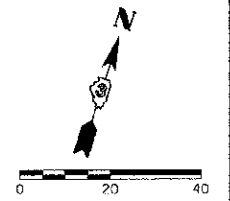
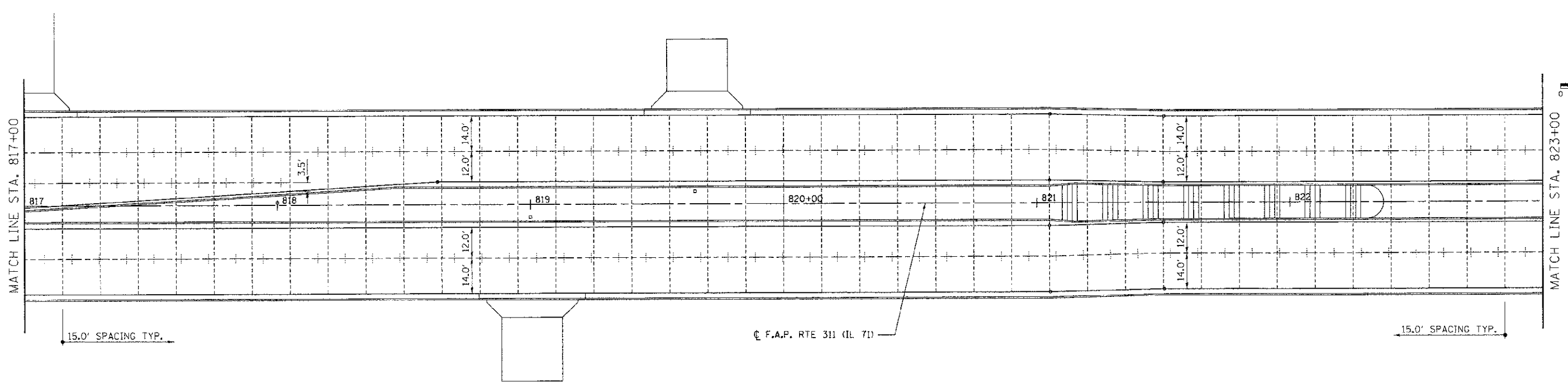
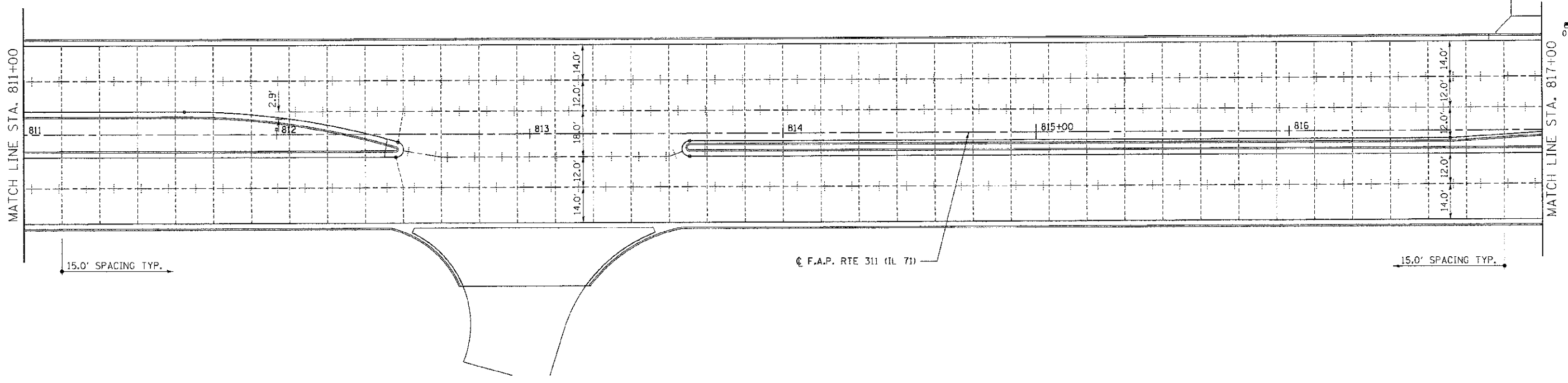
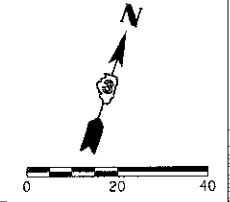
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT JOINT LAYOUT
IL RTE 71
STA 801+00 TO STA 811+00

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 DATE 7/5/2012
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CONTRACT NO. 66420				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	41-1R	KENDALL	514	306
STA. 811+00 TO STA. 823+00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



LEGEND

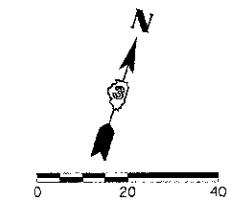
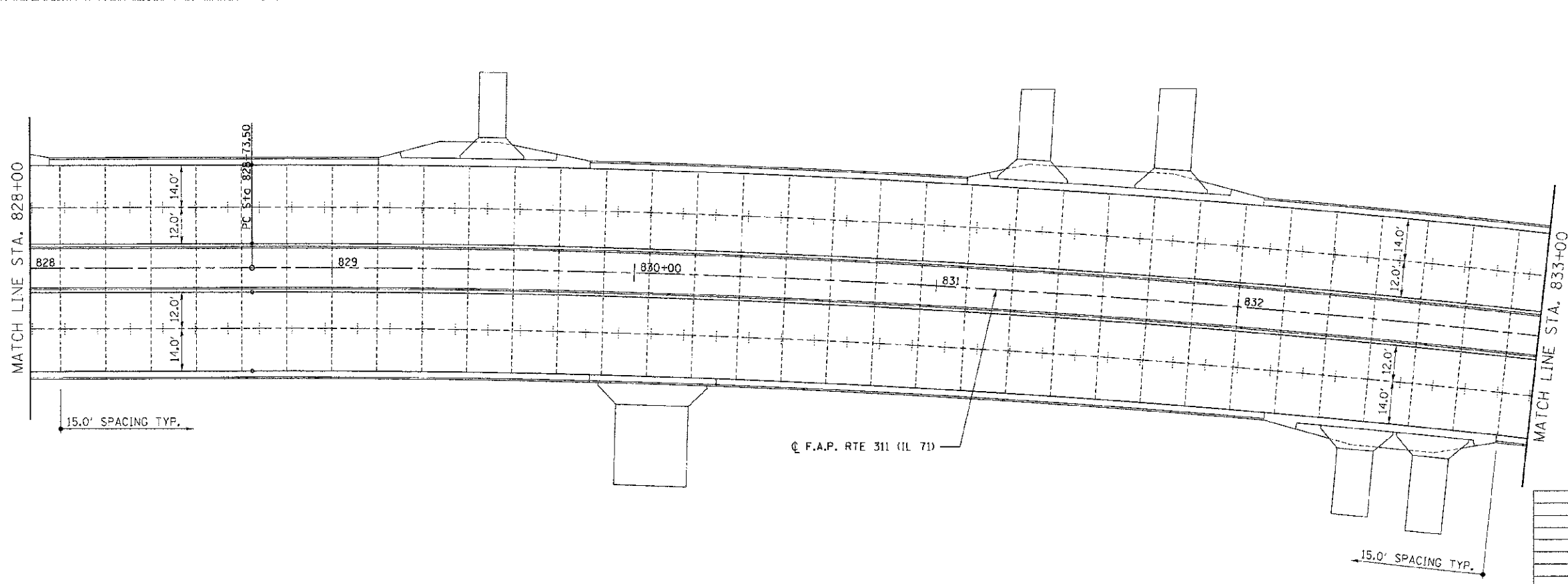
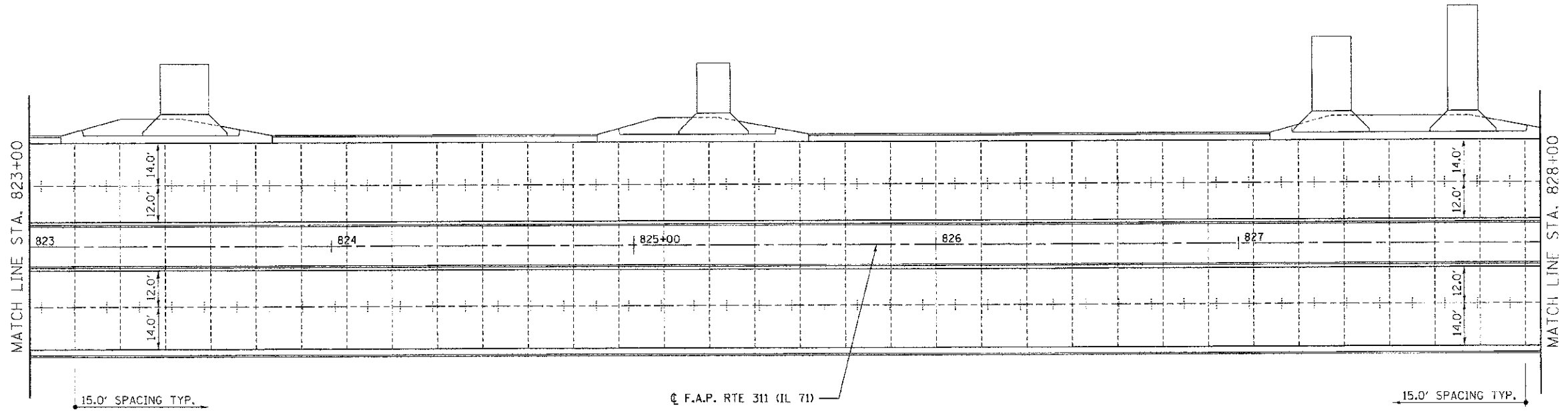
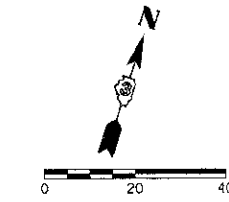
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- SAWED LONGITUDINAL JOINT OR LONGITUDINAL CONSTRUCTION JOINT
- TRANSVERSE SAWED CONTRACTION JOINT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT JOINT LAYOUT
IL RTE 71
STA 811+00 TO STA 823+00
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 CHECKED BY: MED

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R	KENDALL	514	307
STA. 823+00		TO STA. 833+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



LEGEND

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- SAWED LONGITUDINAL JOINT OR LONGITUDINAL CONSTRUCTION JOINT
- TRANSVERSE SAWED CONTRACTION JOINT

REVISIONS	
NAME	DATE

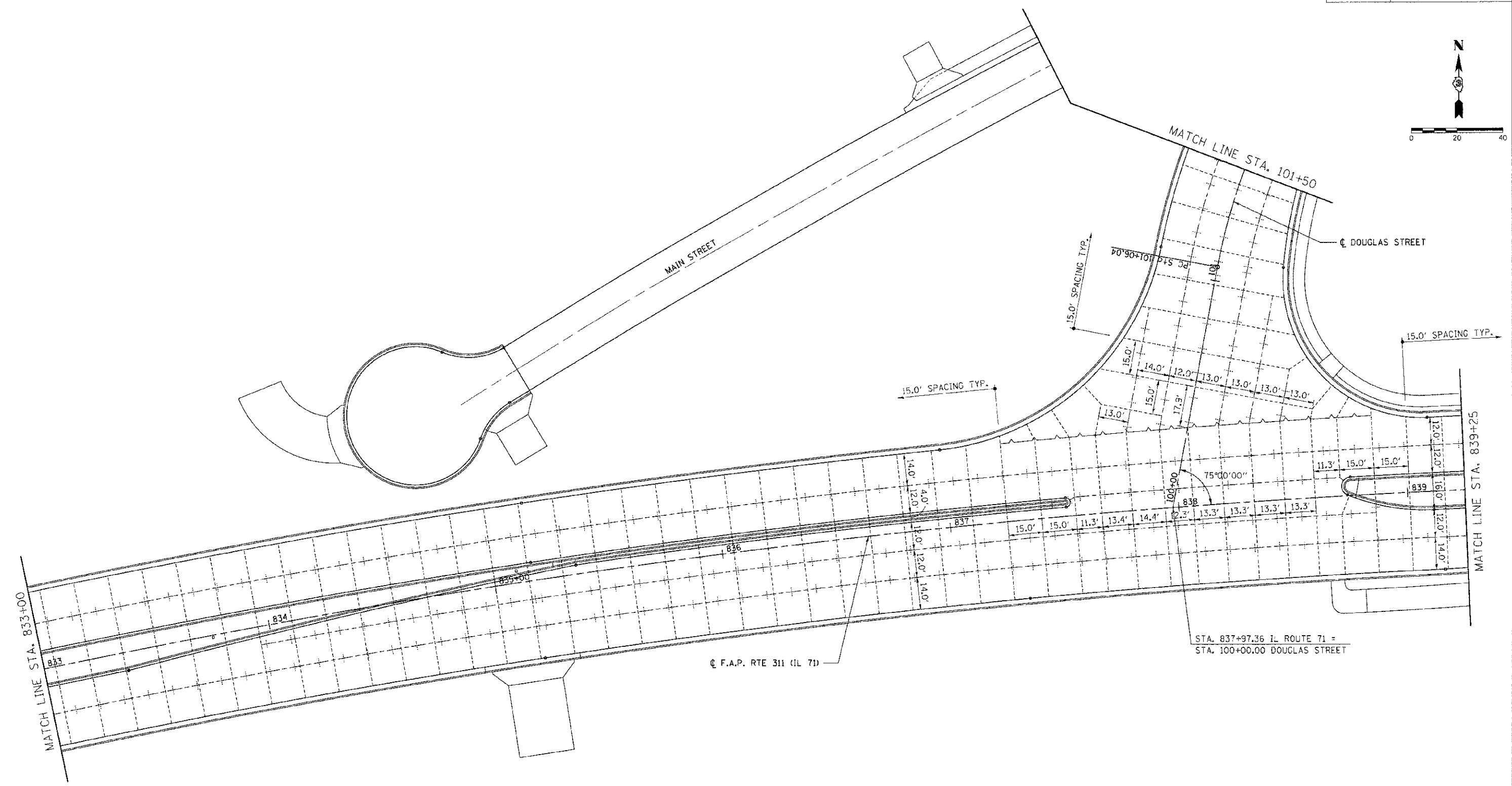
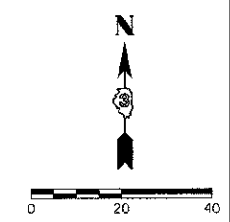
ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT JOINT LAYOUT
IL RTE 71
STA 823+00 TO STA 833+00

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 DATE 7/5/2012

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R	KENDALL	514	308
STA. 833+00 TO STA. 839+25				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



LEGEND

- KEYED CONSTRUCTION JOINT
- SAWED LONGITUDINAL JOINT OR LONGITUDINAL CONSTRUCTION JOINT
- TRANSVERSE SAWED CONTRACTION JOINT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT JOINT LAYOUT

IL RTE 71

STA 833+00 TO STA 839+25

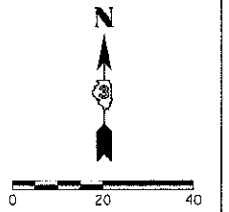
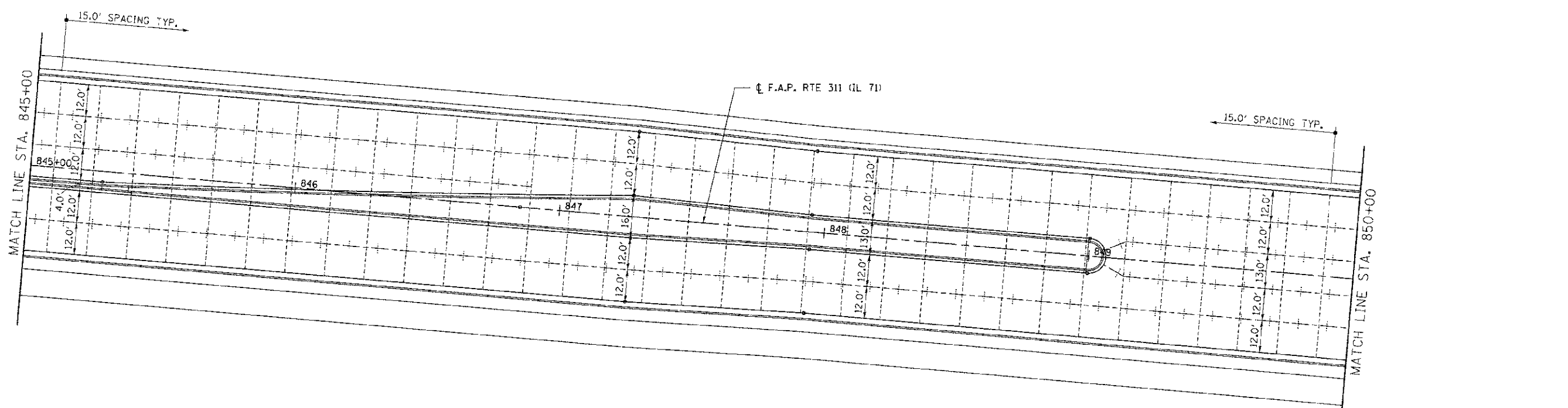
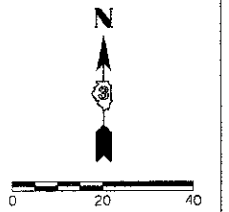
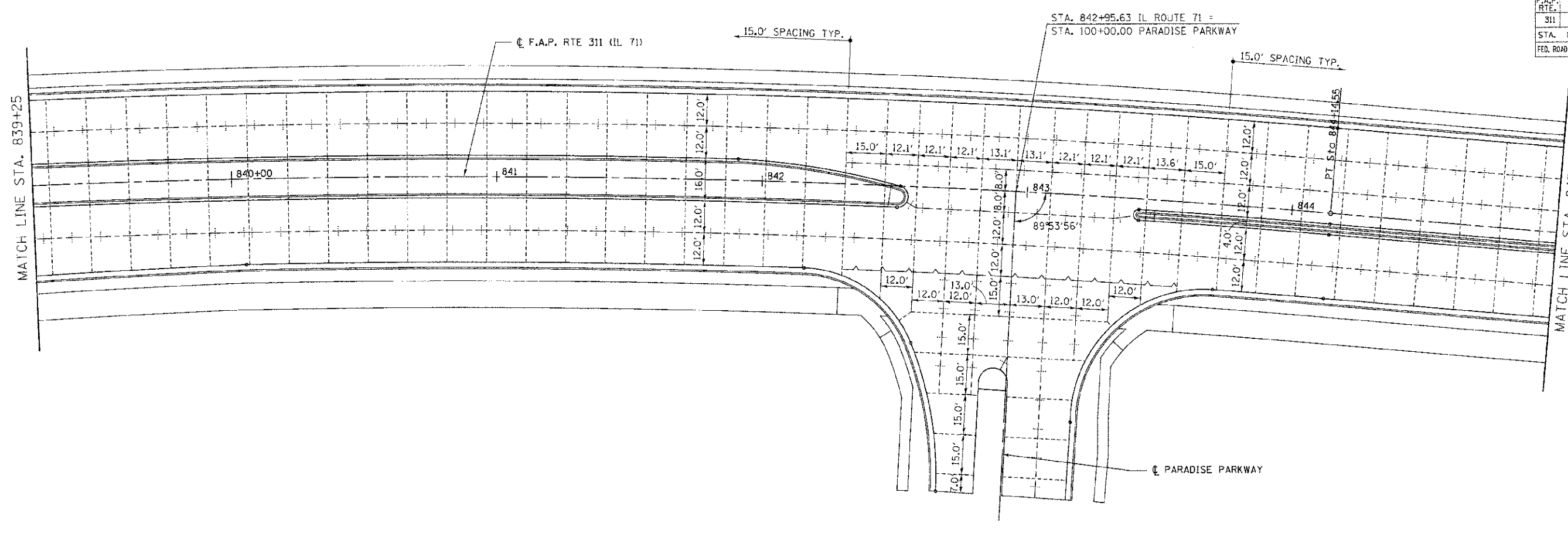
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DATE 7/5/2012

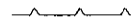
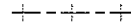

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R	KENDALL	514	309
STA. 839+25		TO STA. 850+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



LEGEND

-  KEYED CONSTRUCTION JOINT
-  SAWED LONGITUDINAL JOINT OR LONGITUDINAL CONSTRUCTION JOINT
-  TRANSVERSE SAWED CONTRACTION JOINT

REVISIONS	
NAME	DATE

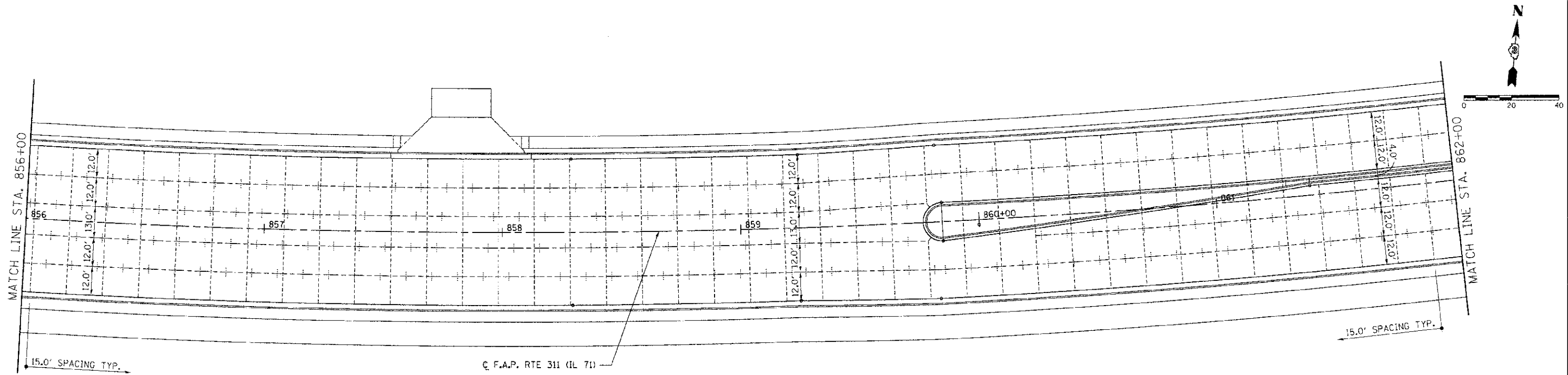
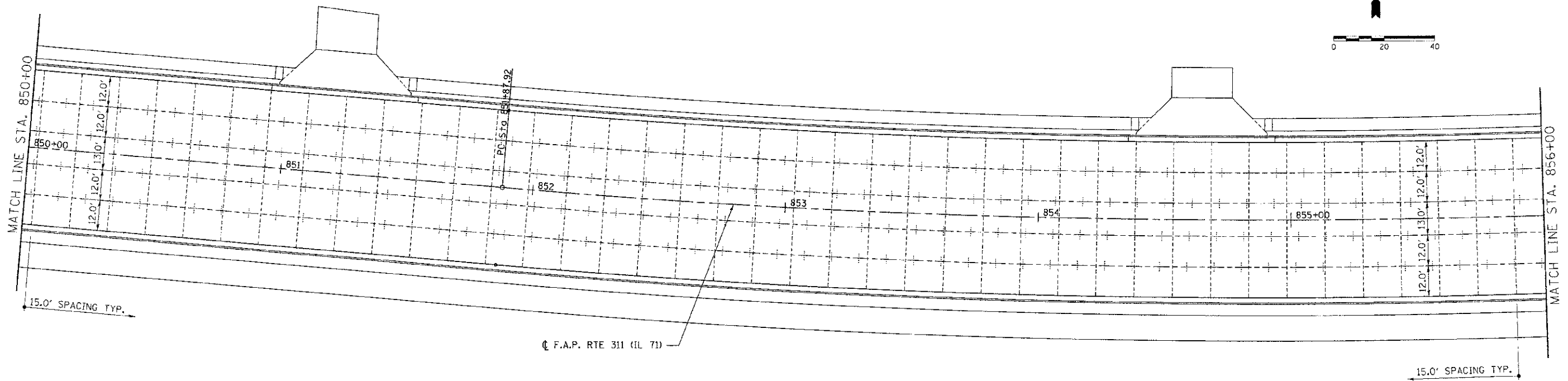
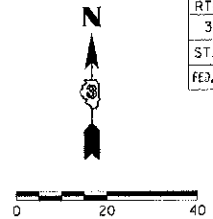
ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT JOINT LAYOUT
IL RTE 71
STA 839+25 TO STA 850+00

SCALE: VERT. 1"=20'
 HORIZ. 1"=20'
 DATE 7/5/2012

DRAWN BY SAE
 CHECKED BY MED

TUR PROJ: 31095014
 PLOT DATE: 7/5/2012
 FILE NAME: p:\envi\1\...dist\dist\3\orwgo\phase 1\1\pvt-jt-86.dgn

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R	KENDALL	514	310
STA. 850+00		TO STA. 862+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



- LEGEND**
- KEYED CONSTRUCTION JOINT
 - SAWED LONGITUDINAL JOINT OR LONGITUDINAL CONSTRUCTION JOINT
 - TRANSVERSE SAWED CONTRACTION JOINT

REVISIONS	
NAME	DATE

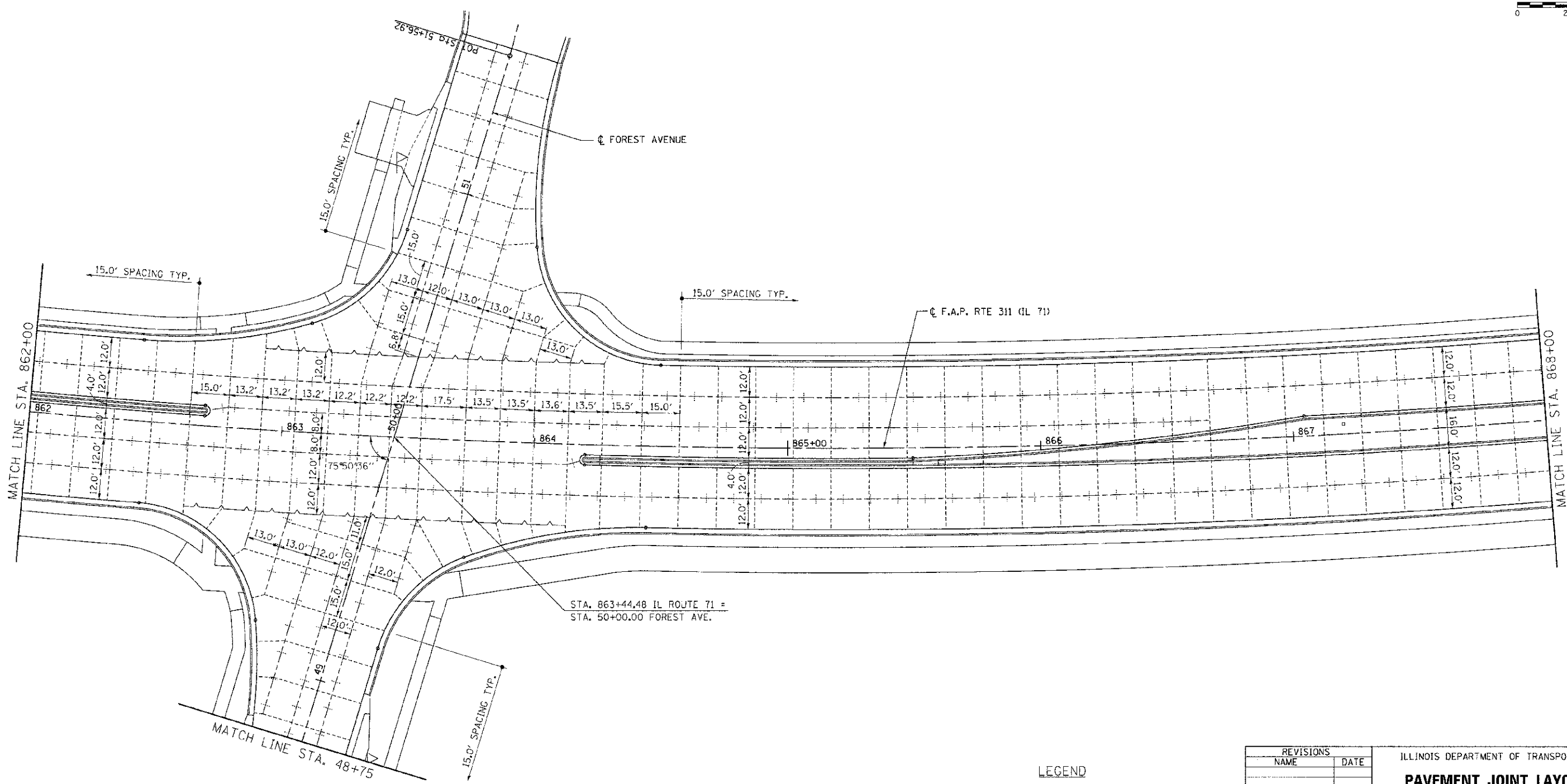
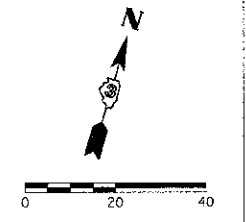
ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT JOINT LAYOUT
IL RTE 71
STA 850+00 TO STA 862+00

SCALE: VERT. 1"=20'
 HORIZ. 1"=20'
 DATE: 7/5/2012

DRAWN BY: SAE
 CHECKED BY: MED

IUG PROJ: 31025014
 PLOT DATE: 7/5/2012
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	11-11R	KENDALL	514	311
STA. 862+00		TO STA. 868+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



- LEGEND**
- KEYED CONSTRUCTION JOINT
 - SAWED LONGITUDINAL JOINT OR LONGITUDINAL CONSTRUCTION JOINT
 - TRANSVERSE SAWED CONTRACTION JOINT

REVISIONS	
NAME	DATE

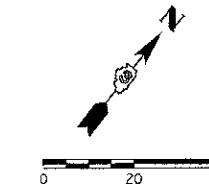
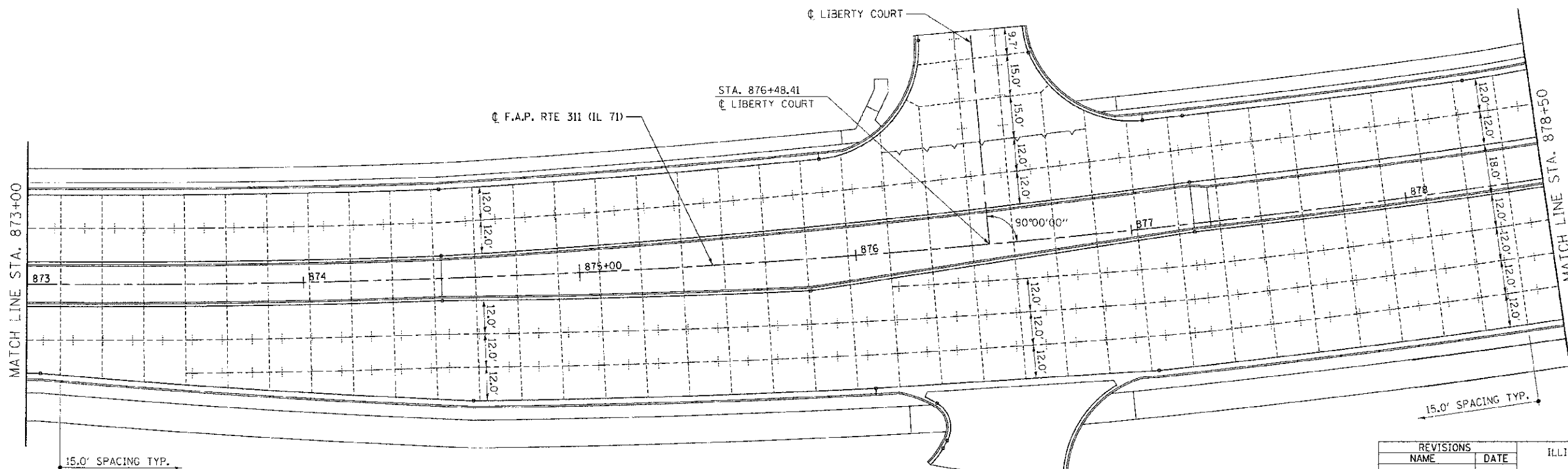
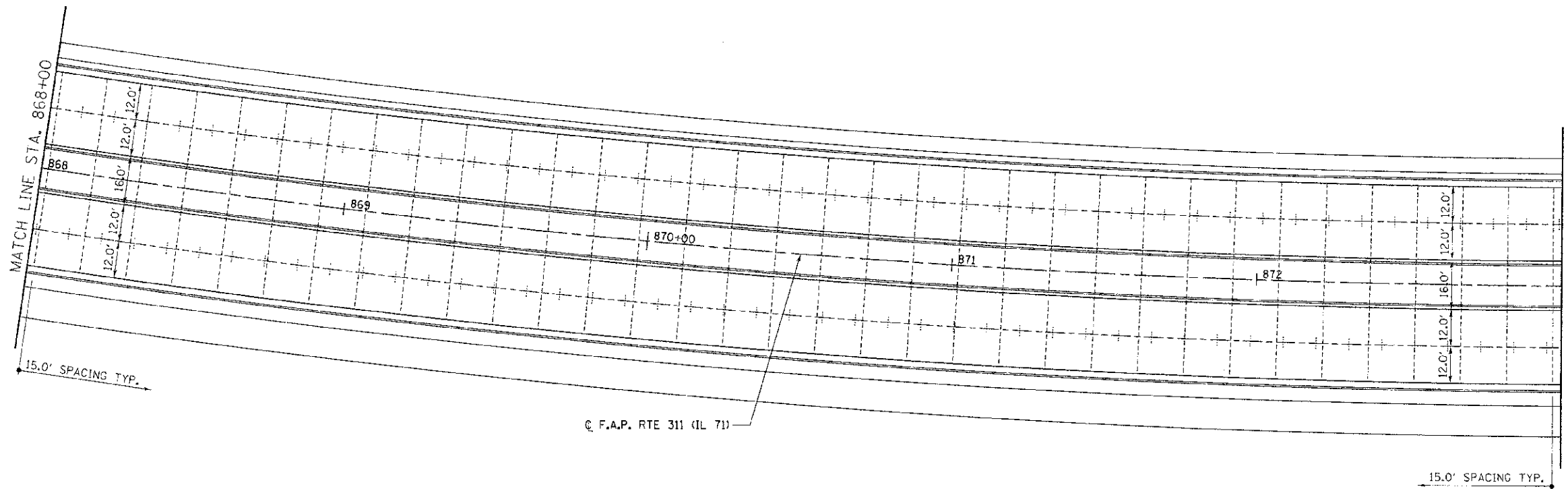
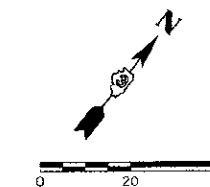
ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT JOINT LAYOUT
IL RTE 71
STA 862+00 TO STA 868+00

SCALE: VERT. 1"=20'
 HORIZ. 1"=20'
 DATE 7/5/2012

DRAWN BY SAE
 CHECKED BY MED

TUG PREL. 430584
 PLOT DATE 7/5/2012
 FILE NAME: p:\projects\11-11r\11-11r.dwg

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-DR)	KENDALL	514	312
STA. 868+00 TO STA. 878+50				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



- LEGEND**
- KEYED CONSTRUCTION JOINT
 - SAWED LONGITUDINAL JOINT OR LONGITUDINAL CONSTRUCTION JOINT
 - TRANSVERSE SAWED CONTRACTION JOINT

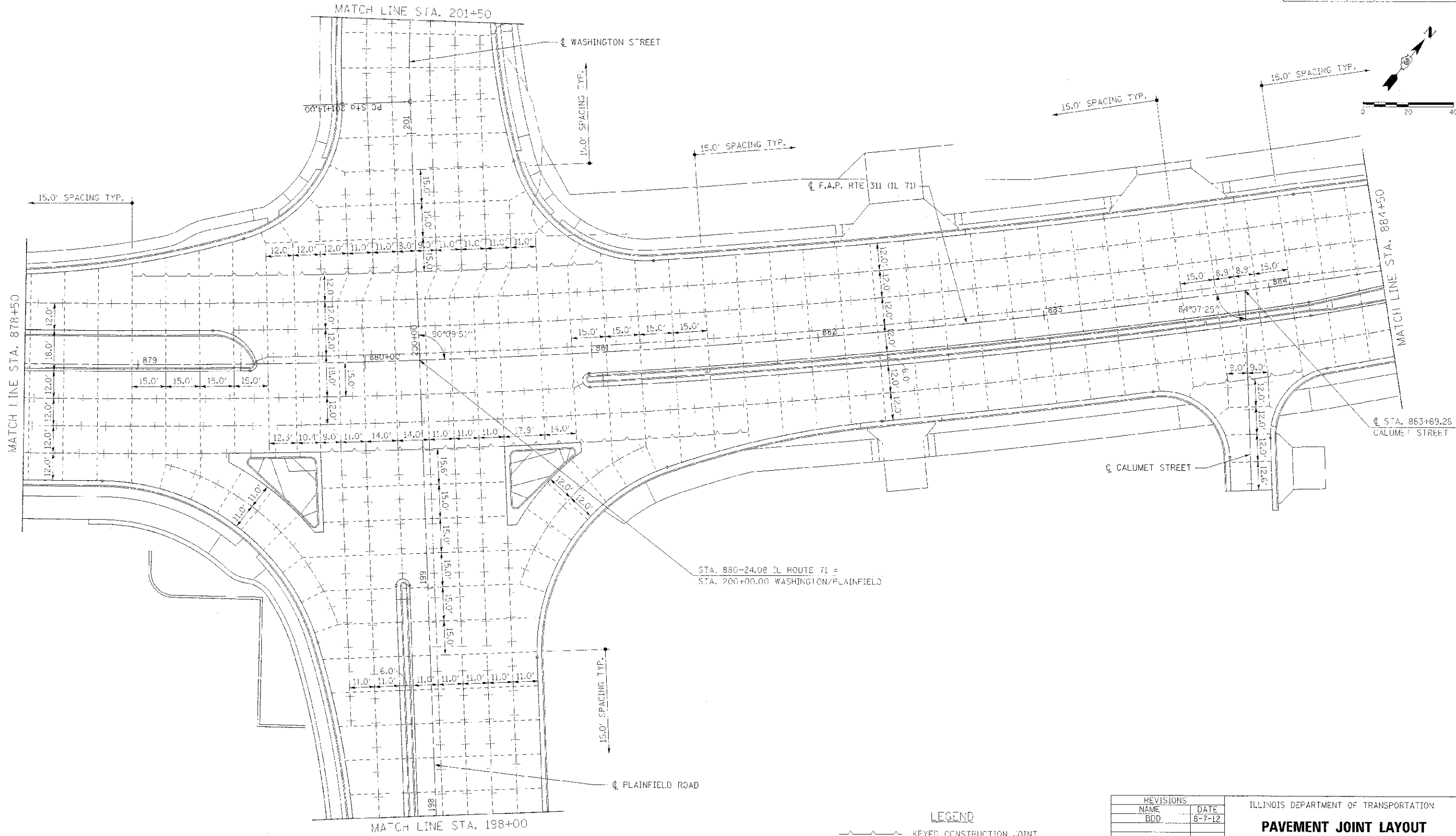
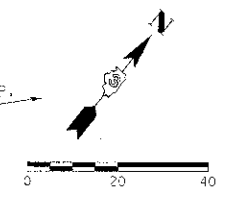
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT JOINT LAYOUT
IL RTE 71
STA 868+00 TO STA 878+50

SCALE: VERT. 1"=20'
 HORIZ. 1"=20'
 DATE 7/5/2012

DRAWN BY SAE
 CHECKED BY MED

TUG PROJ: 1106514
 PLOT DATE: 7/5/2012
 FILE NAME: p:\atv\1\des\dis\3\pave\pave.dwg



LEGEND

- ~ ~ ~ KEYED CONSTRUCTION JOINT
- — — SAWED LONGITUDINAL JOINT OR LONGITUDINAL CONSTRUCTION JOINT
- - - - - TRANSVERSE SAWED CONTRACTION JOINT

REVISIONS	
NAME	DATE
BDD	8-7-12

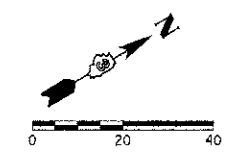
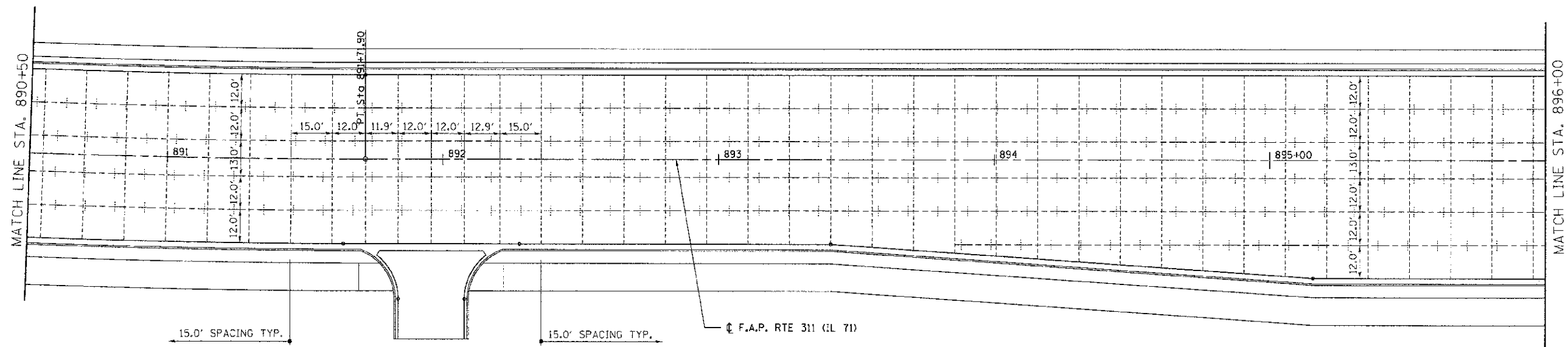
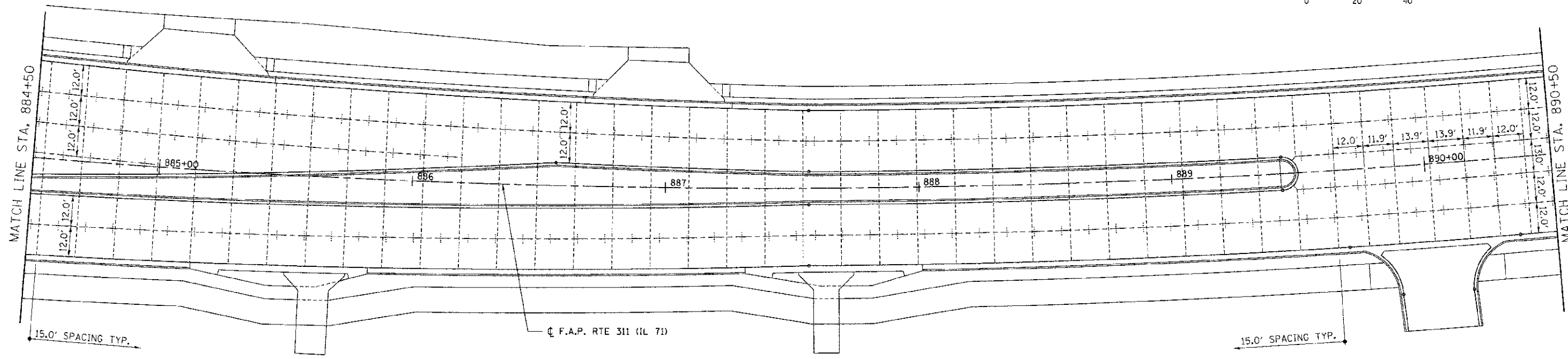
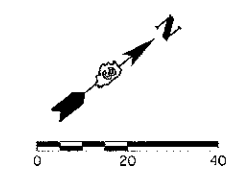
ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT JOINT LAYOUT
IL RTE 71
STA 878+50 TO STA 884+50

SCALE: VERT. 3"=20'
 HORIZ. 1"=20'
 DATE 7/5/2012

DRAWN BY: SAE
 CHECKED BY: MEO

T:\25 PROJ\430694-4
 PLOT DATE: 8/7/2012
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R	KENDALL	514	314
STA. 884+50		TO STA. 896+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



LEGEND

- KEYED CONSTRUCTION JOINT
- SAWED LONGITUDINAL JOINT OR LONGITUDINAL CONSTRUCTION JOINT
- TRANSVERSE SAWED CONTRACTION JOINT

REVISIONS	
NAME	DATE

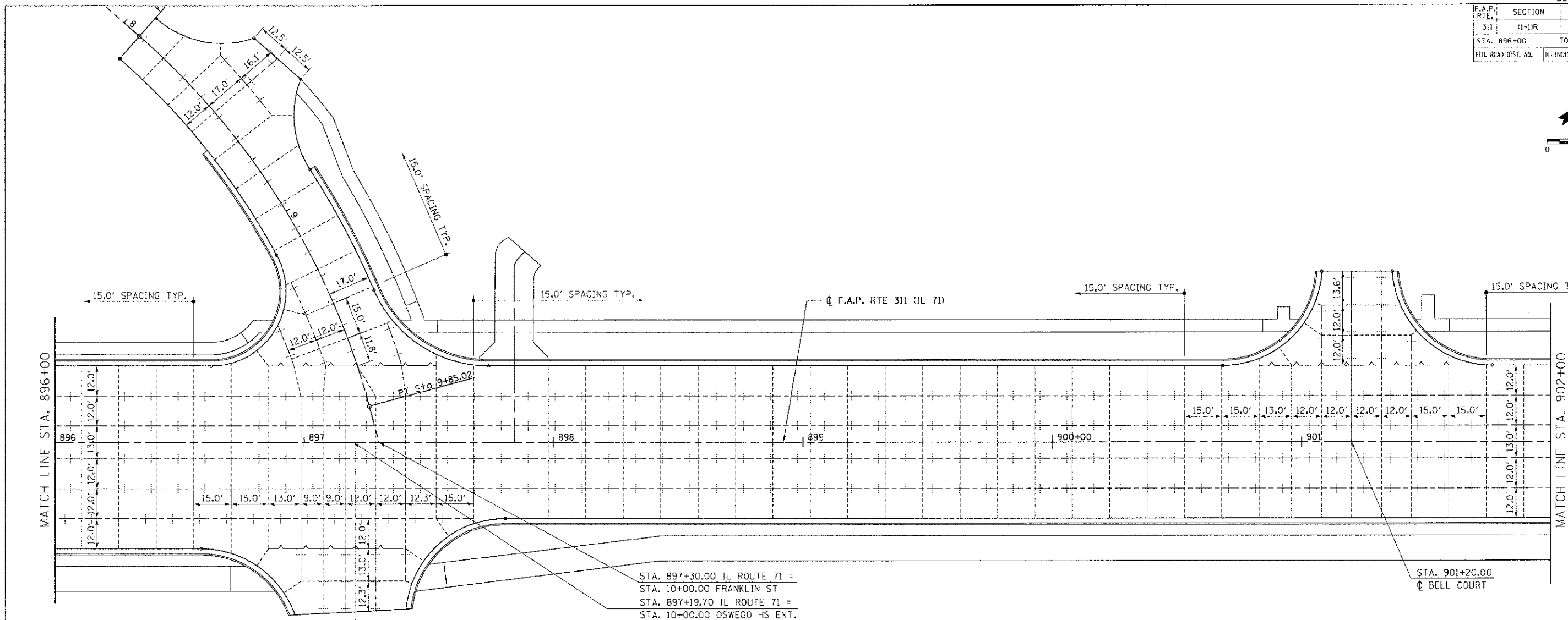
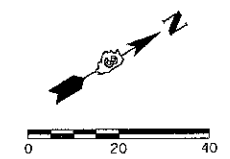
ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT JOINT LAYOUT
IL RTE 71
STA 884+50 TO STA 896+00

SCALE: VERT. 1"=20'
 HORIZ. 1"=20'
 DATE 7/5/2012

DRAWN BY SAE
 CHECKED BY MED

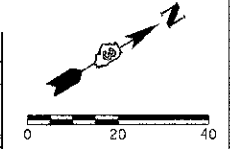
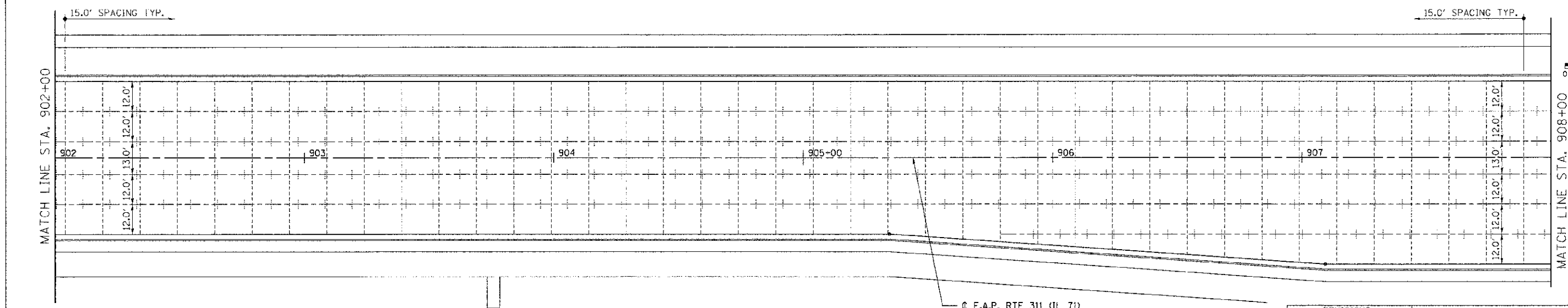
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CONTRACT NO. 66420				
F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	41-1R	KENDALL	514	315
STA. 896+00 TO STA. 908+00			ILLINOIS FED. AID PROJECT	



STA. 897+30.00 IL ROUTE 71 =
 STA. 10+00.00 FRANKLIN ST
 STA. 897+19.70 IL ROUTE 71 =
 STA. 10+00.00 OSWEGO HS ENT.

STA. 901+20.00
 C BELL COURT



- LEGEND**
- KEYED CONSTRUCTION JOINT
 - SAWED LONGITUDINAL JOINT OR LONGITUDINAL CONSTRUCTION JOINT
 - TRANSVERSE SAWED CONTRACTION JOINT

REVISIONS	
NAME	DATE

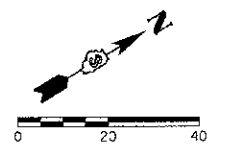
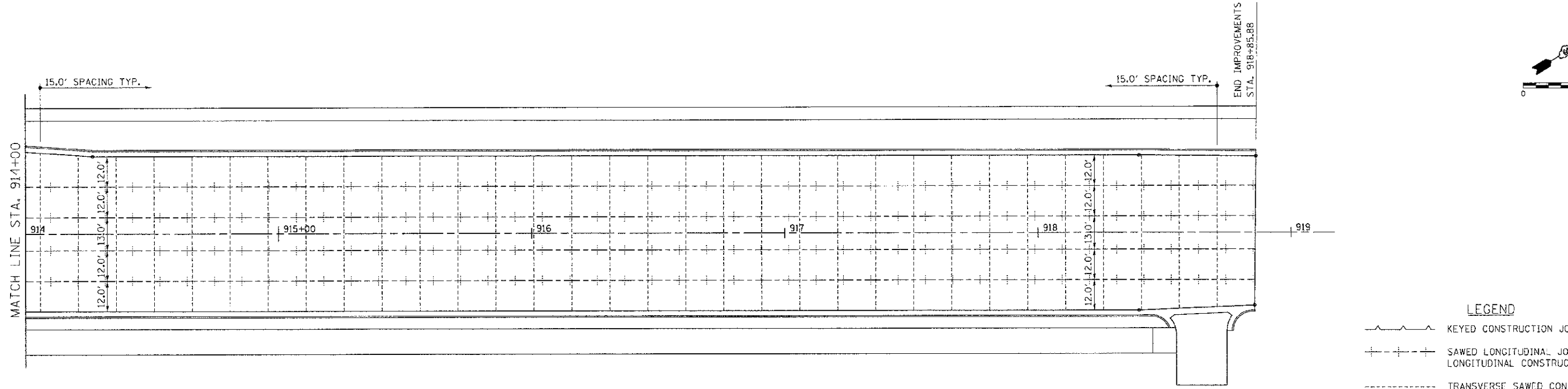
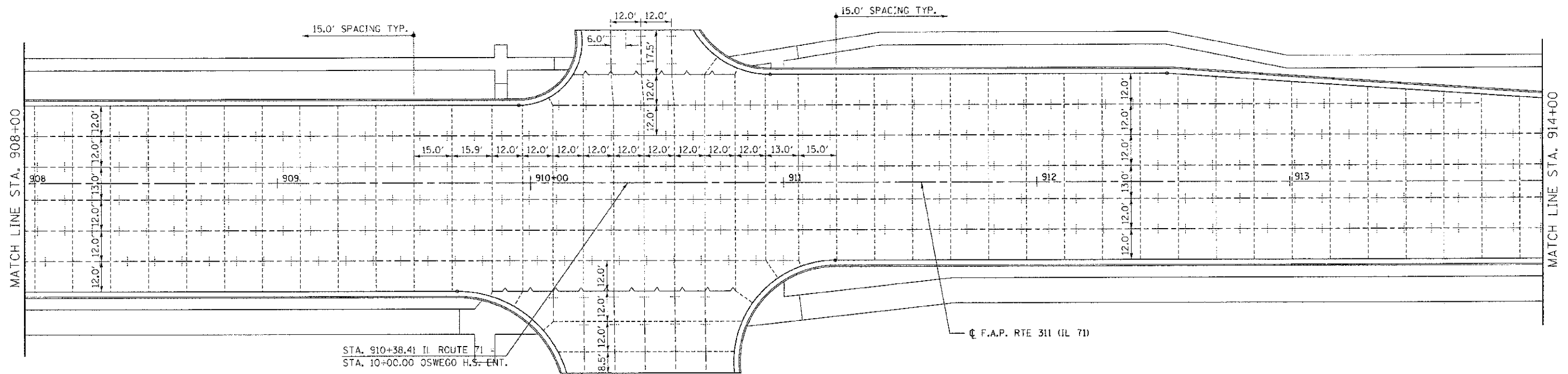
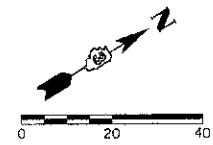
ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT JOINT LAYOUT
IL RTE 71
STA 896+00 TO STA 908+00

SCALE: VERT. 1"=20'
 HORIZ. 1"=20'
 DATE 7/5/2012

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 CHECKED BY MED

TUG PROJ. #310584
 PLOT DATE = 7/5/2012
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R	KENDALL	514	316
STA. 908+00		TO STA. 918+85.88		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



LEGEND

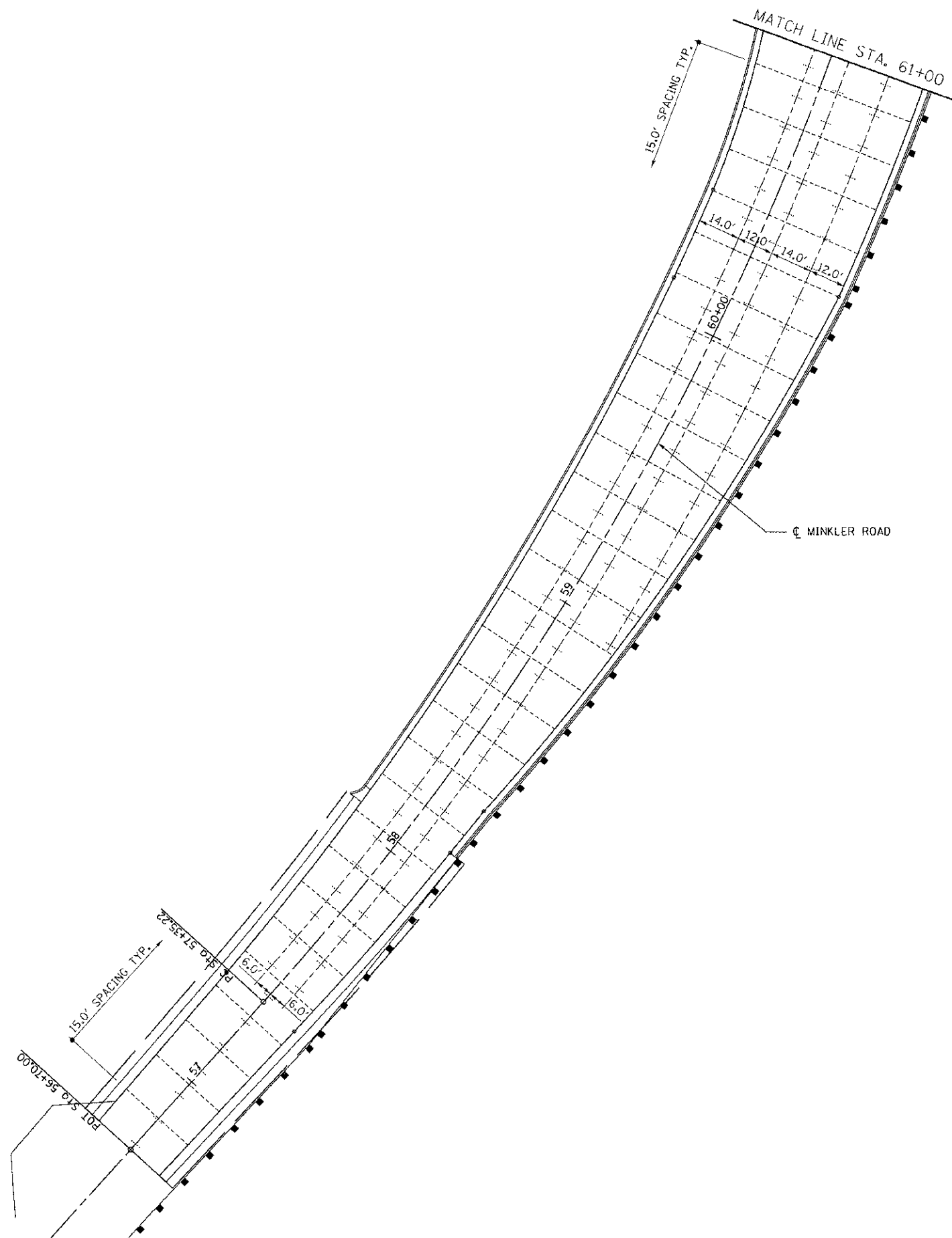
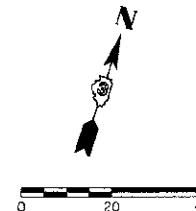
- KEYED CONSTRUCTION JOINT
- SAWED LONGITUDINAL JOINT OR LONGITUDINAL CONSTRUCTION JOINT
- TRANSVERSE SAWED CONTRACTION JOINT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT JOINT LAYOUT
IL RTE 71
STA 908+00 TO STA 918+85.88
 SCALE: VERT. 1"=20'
 HORIZ. 1"=20'
 DATE 7/5/2012
 DRAWN BY SAE
 CHECKED BY MED

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
31	(1-1)R	KENDALL	514	317
STA. 56+70		TO STA. 61+00		
FED. ROAD DIST. NO.	ILL. MOFS	FED. AID PROJECT		



LEGEND

- KEYED CONSTRUCTION JOINT
- SAWED LONGITUDINAL JOINT OR LONGITUDINAL CONSTRUCTION JOINT
- TRANSVERSE SAWED CONTRACTION JOINT

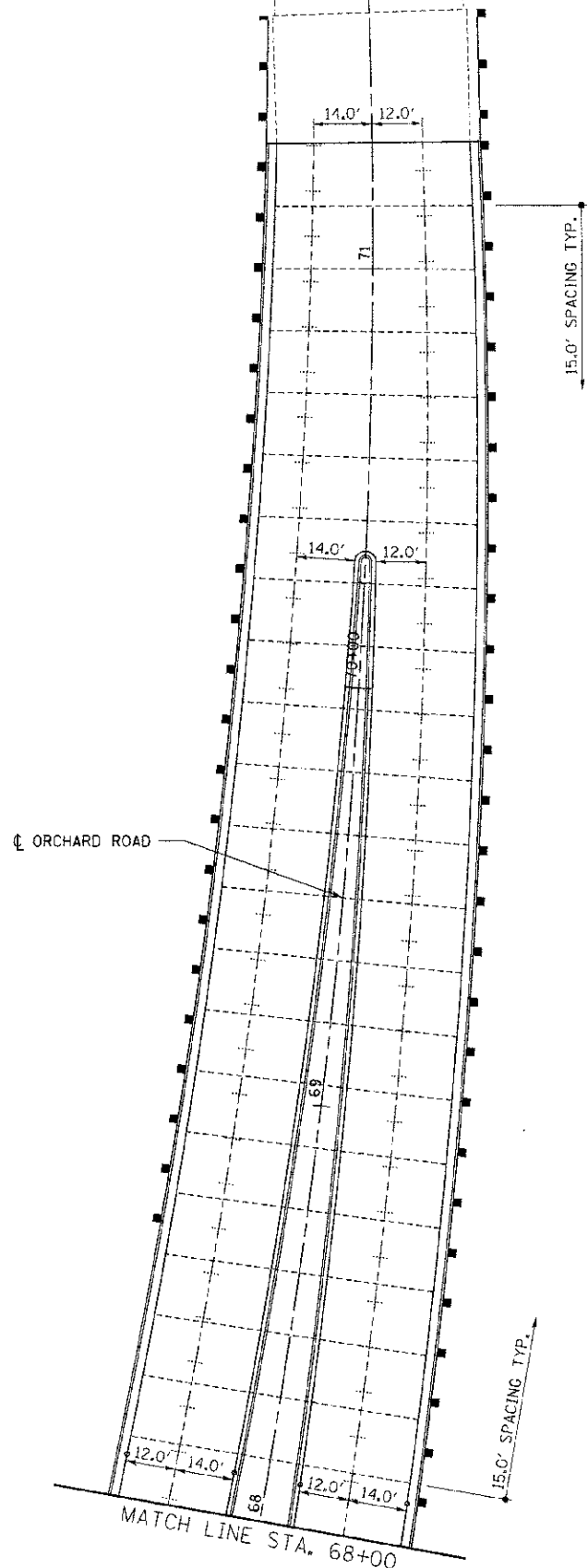
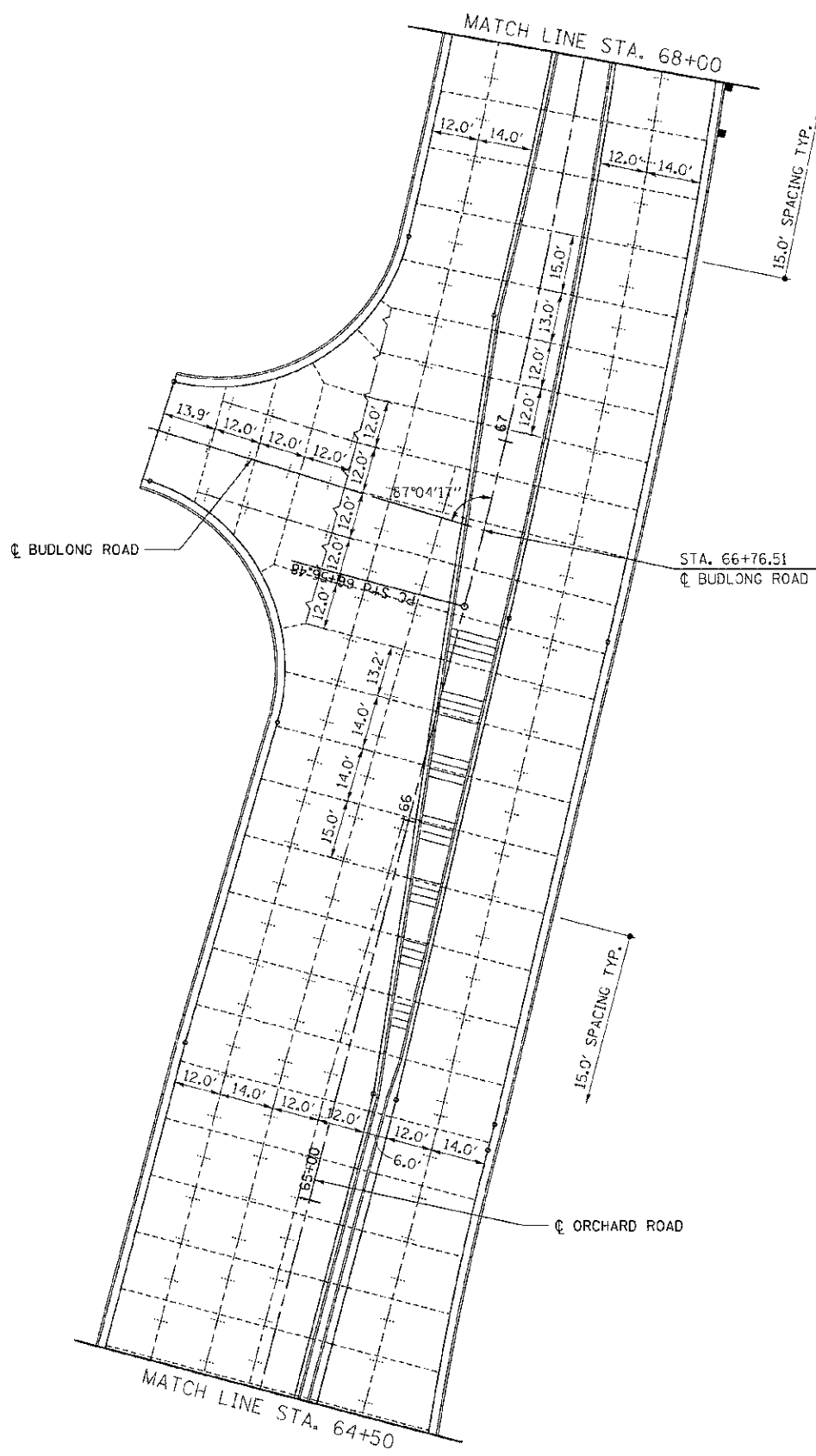
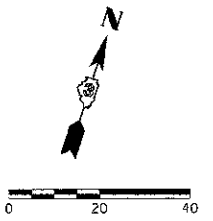
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT JOINT LAYOUT
MINKLER ROAD
STA 56+70 TO STA 61+00

SCALE: VERT. 1"=20'
 HORIZ. 1"=20'
 DATE 7/5/2012
 DRAWN BY SAE
 CHECKED BY MED

TUG PROJ: 3105014
 PLOT DATE: 7/5/2012
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F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1)-1R	KENDALL	514	318
STA. 64+50		TO STA. 71+50		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



LEGEND

	KEYED CONSTRUCTION JOINT
	SAWED LONGITUDINAL JOINT OR LONGITUDINAL CONSTRUCTION JOINT
	TRANSVERSE SAWED CONTRACTION JOINT

REVISIONS	
NAME	DATE

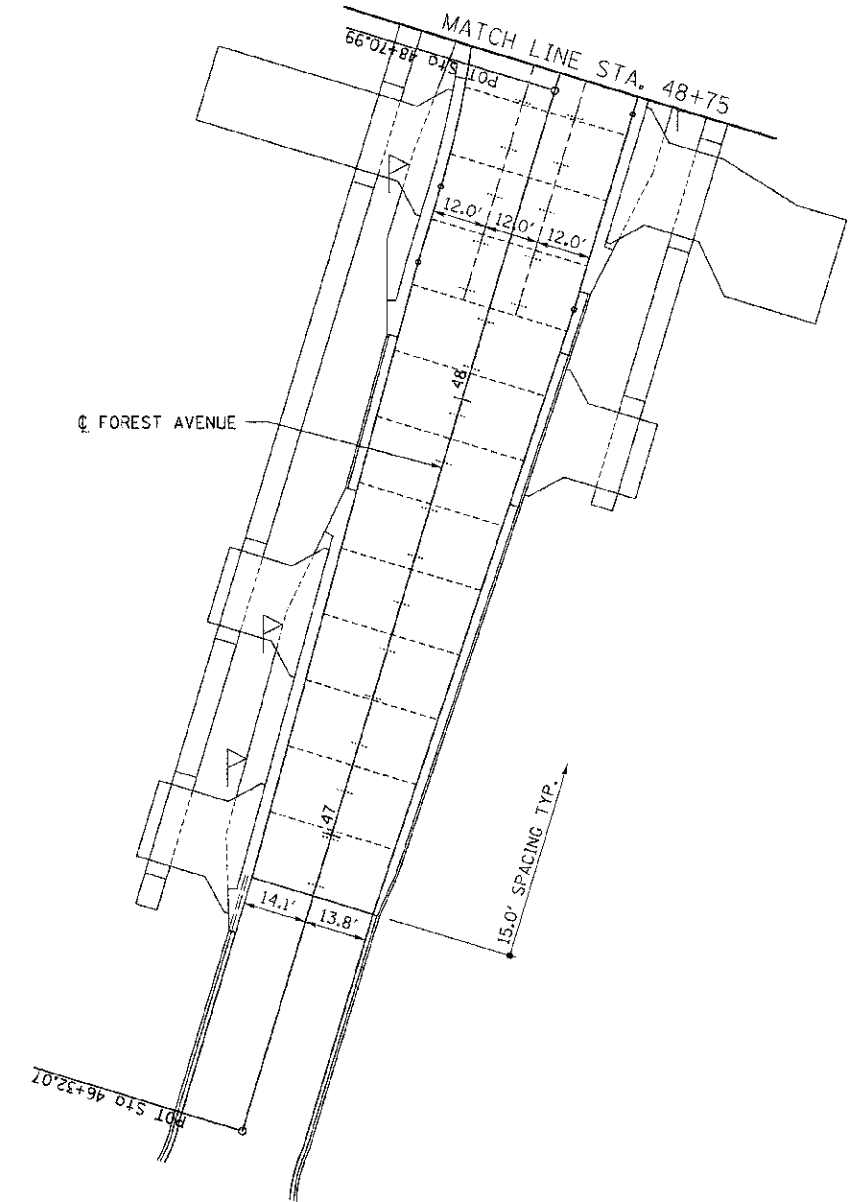
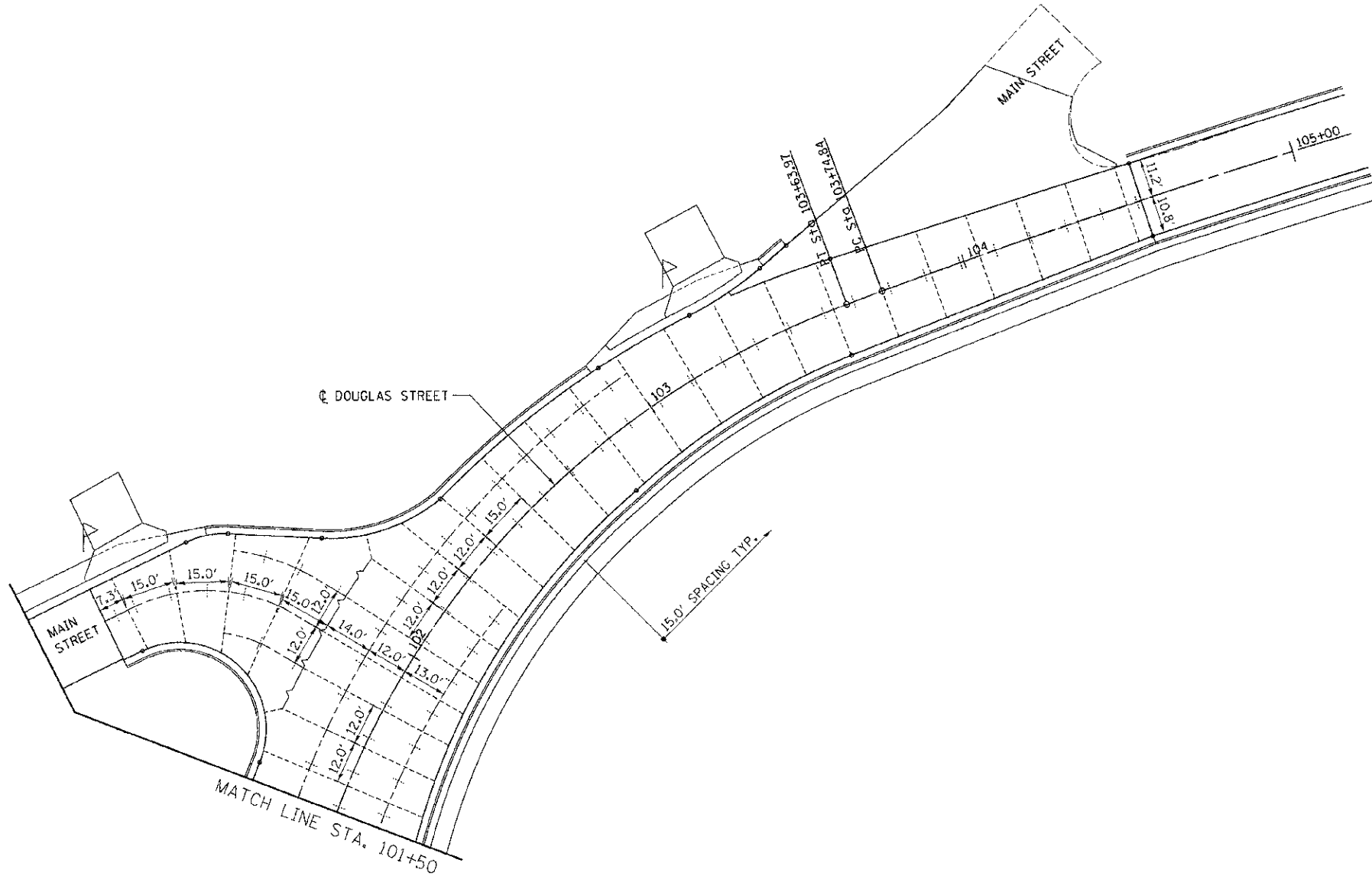
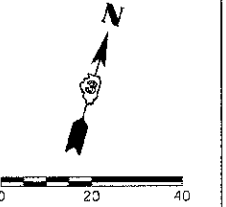
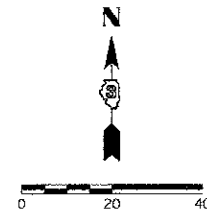
ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT JOINT LAYOUT
ORCHARD ROAD
STA 64+50 TO STA 71+30

SCALE: VERT. 1"=20'
 HORIZ. 1"=20'
 DATE 7/5/2012

DRAWN BY SAE
 CHECKED BY MED

TUG PROJ. #3105914
 PLOT DATE 7/5/2012
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F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1R)	KENDALL	514	319
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



- LEGEND**
- KEYED CONSTRUCTION JOINT
 - SAWED LONGITUDINAL JOINT OR LONGITUDINAL CONSTRUCTION JOINT
 - TRANSVERSE SAWED CONTRACTION JOINT

REVISIONS	
NAME	DATE

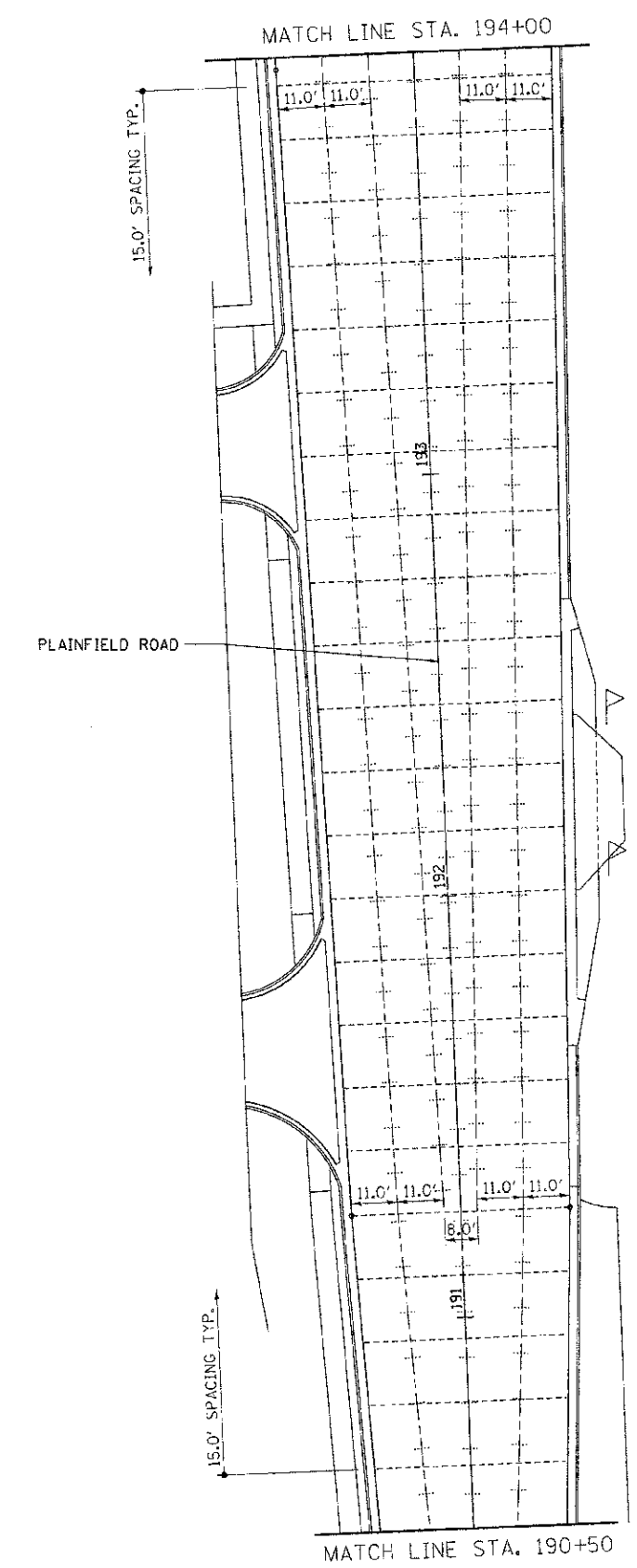
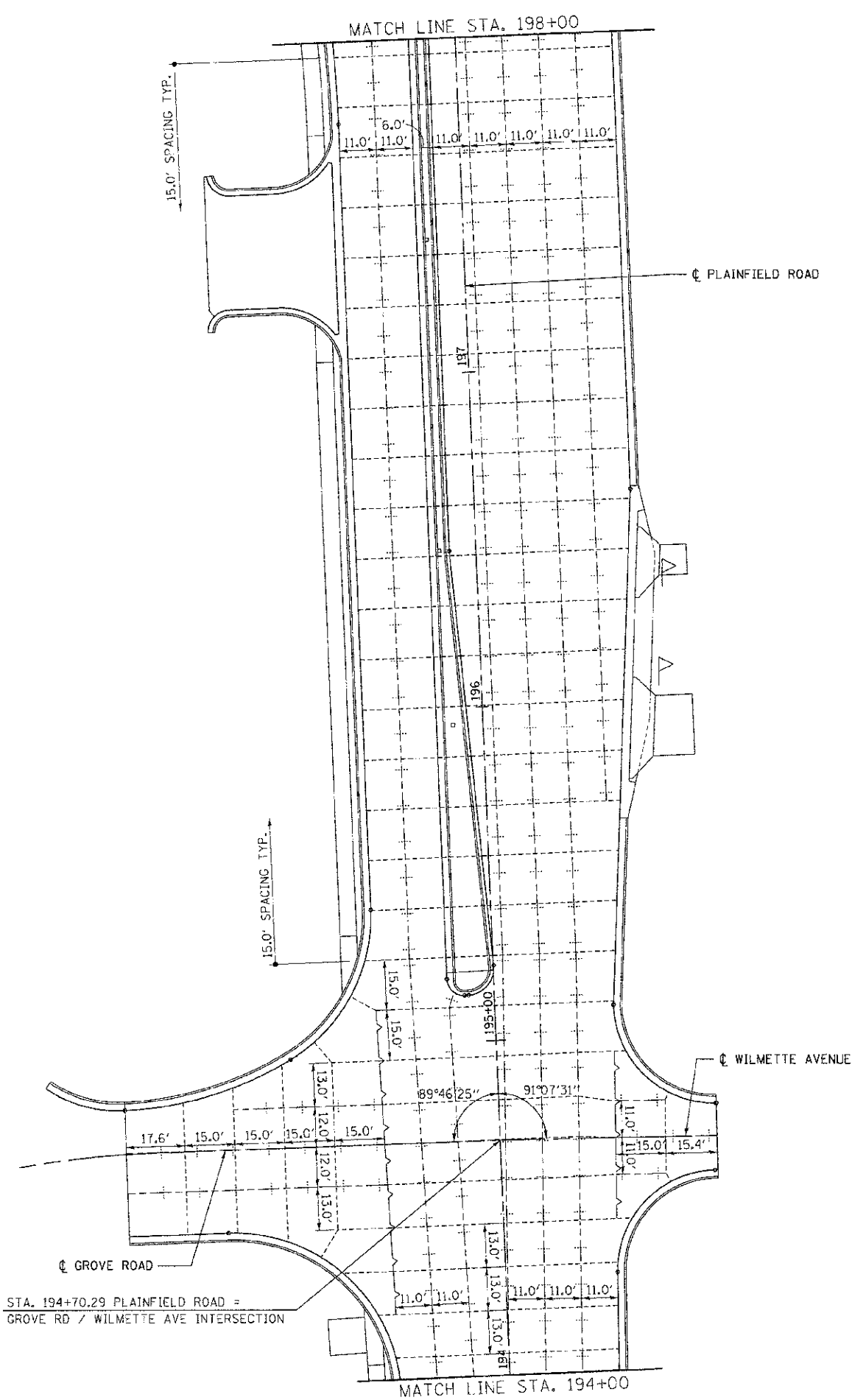
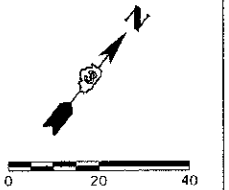
ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT JOINT LAYOUT
DOUGLAS STREET
FOREST AVENUE

SCALE: VERT. 1"=20'
 HORIZ. 1"=20'
 DATE 7/5/2012

DRAWN BY SAE
 CHECKED BY MED

TUG PROJ. #3105014
 PLOT DATE 7/5/2012
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R	KENDALL	514	320
STA. 189+00		TO STA. 198+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE		

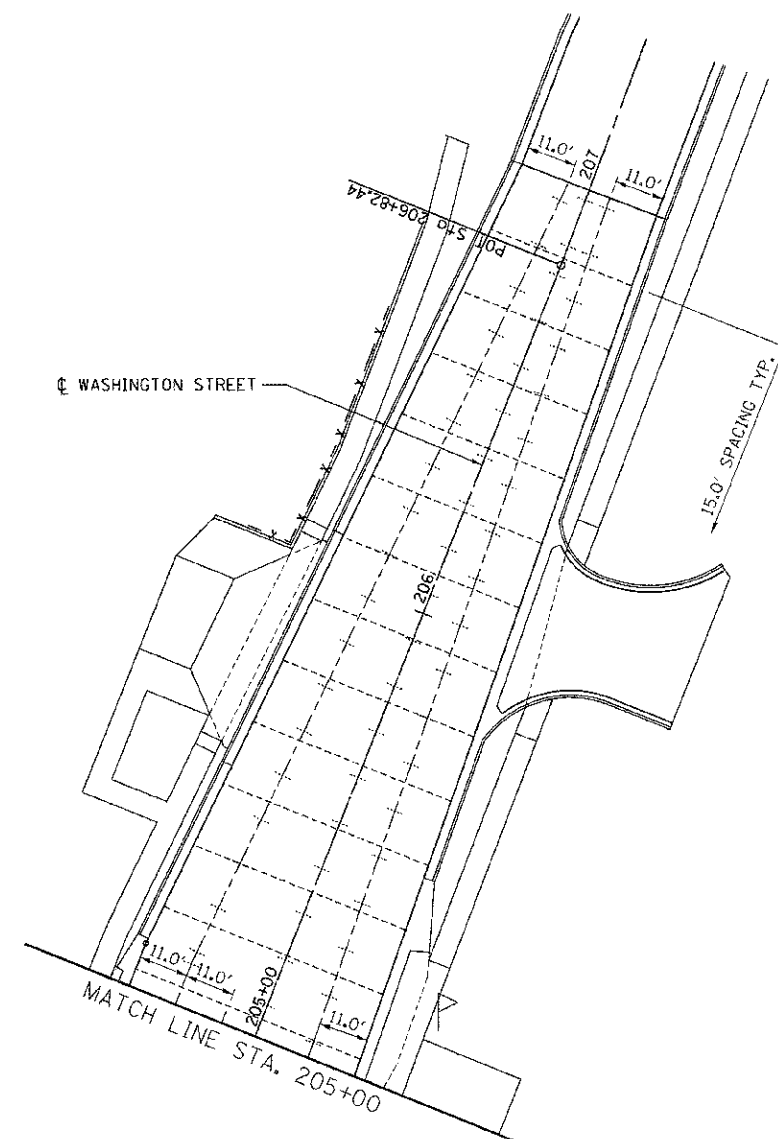
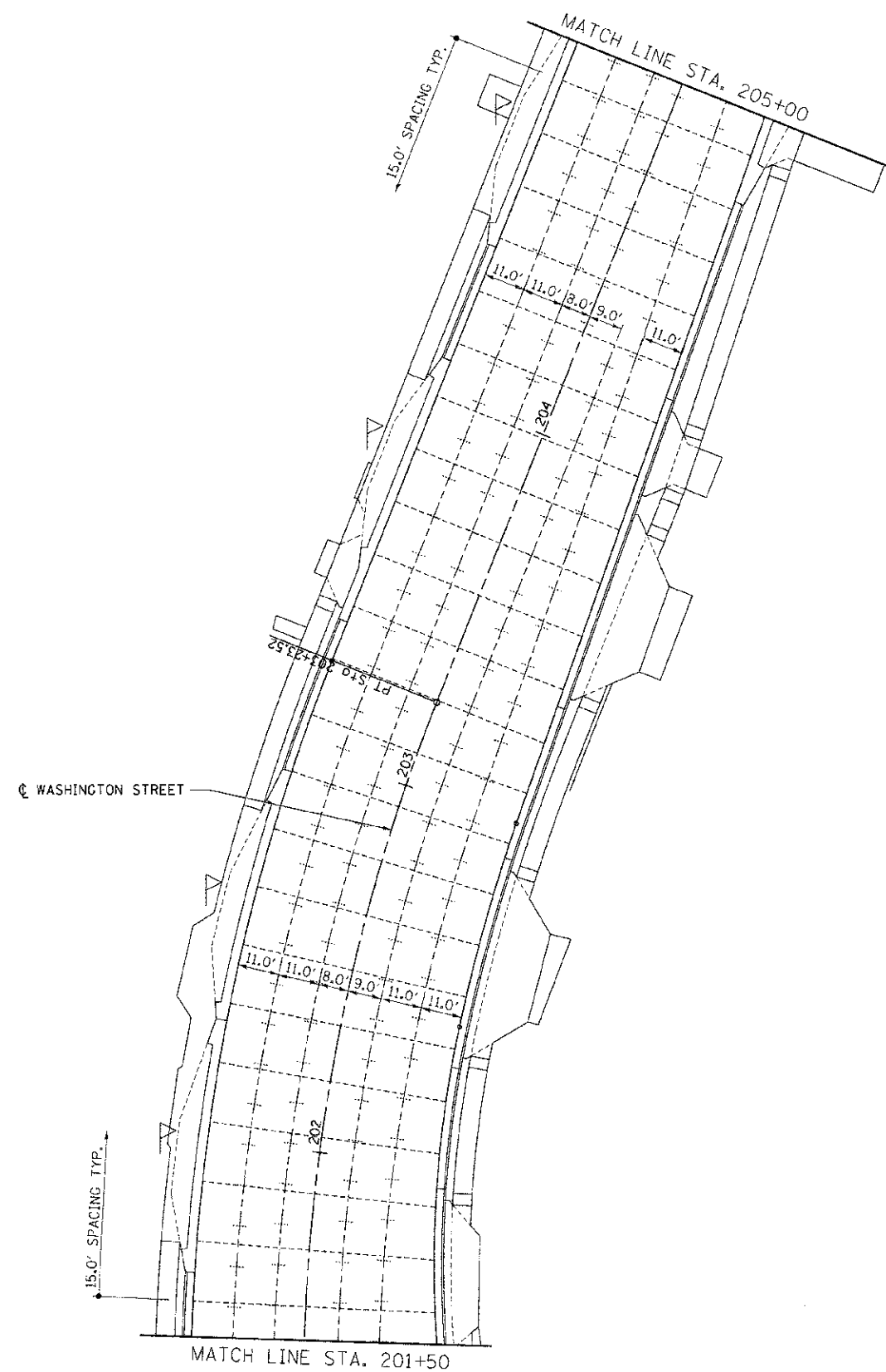
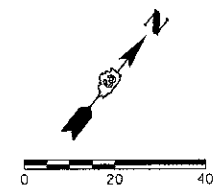
**PAVEMENT JOINT LAYOUT
PLAINFIELD ROAD
STA 189+00 TO STA 198+00**

SCALE: VERT. 1"=20'
HORIZ. 1"=20'
DATE 7/5/2012

DRAWN BY SAE
CHECKED BY MED

PLS. PROJ. # 118984
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	41-11R	KENDALL	514	321
STA. 201+50		TO STA. 207+00		
FED. ROAD DIST. NO.		ILL. INOIS FED. AID PROJECT		



LEGEND

- KEYED CONSTRUCTION JOINT
- SAWED LONGITUDINAL JOINT OR LONGITUDINAL CONSTRUCTION JOINT
- TRANSVERSE SAWED CONTRACTION JOINT

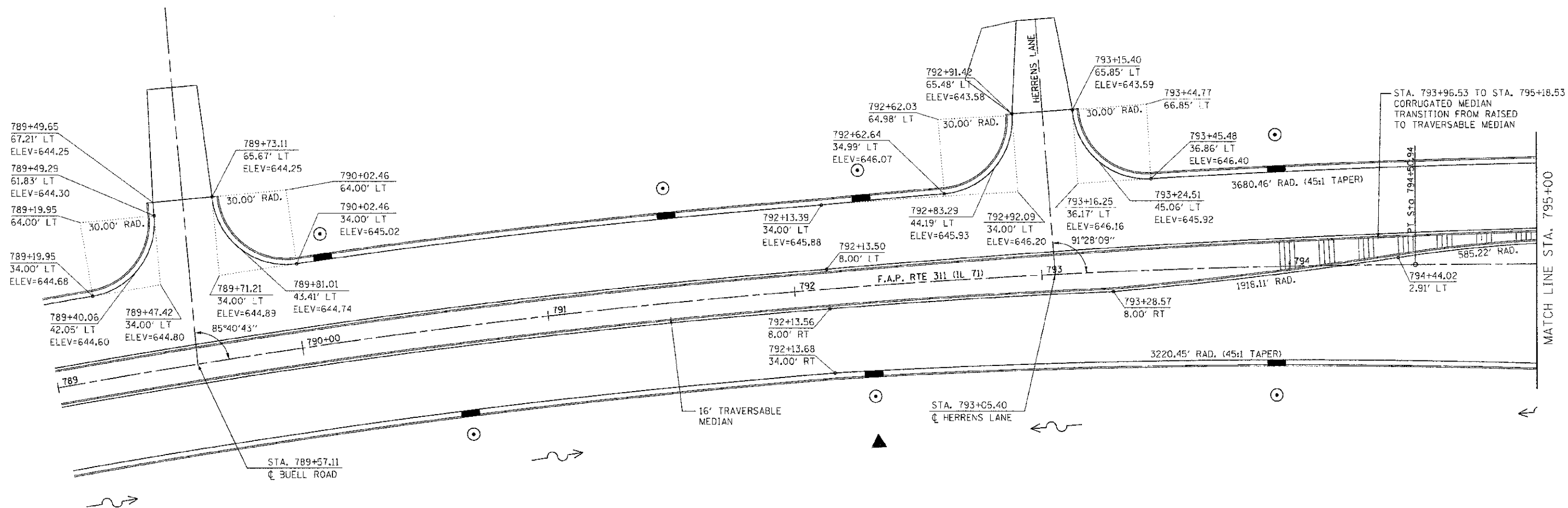
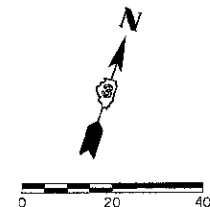
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT JOINT LAYOUT
WASHINGTON STREET
STA 201+50 TO STA 207+00

SCALE: VERT. 1"=20'
 HORIZ. 1"=20'
 DATE 7/5/2012
 DRAWN BY SAE
 CHECKED BY MED

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R	KENDALL	514	322
STA. 789+00		TO STA. 795+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



NOTES:

- FOR ADDITIONAL DETAILS, SEE JOINTING PLANS, SIGNING AND STRIPING PLANS, AND TRAFFIC SIGNAL PLANS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**INTERSECTION DETAIL
ORCHARD / MINKLER
STA. 789+00 TO STA. 795+00**

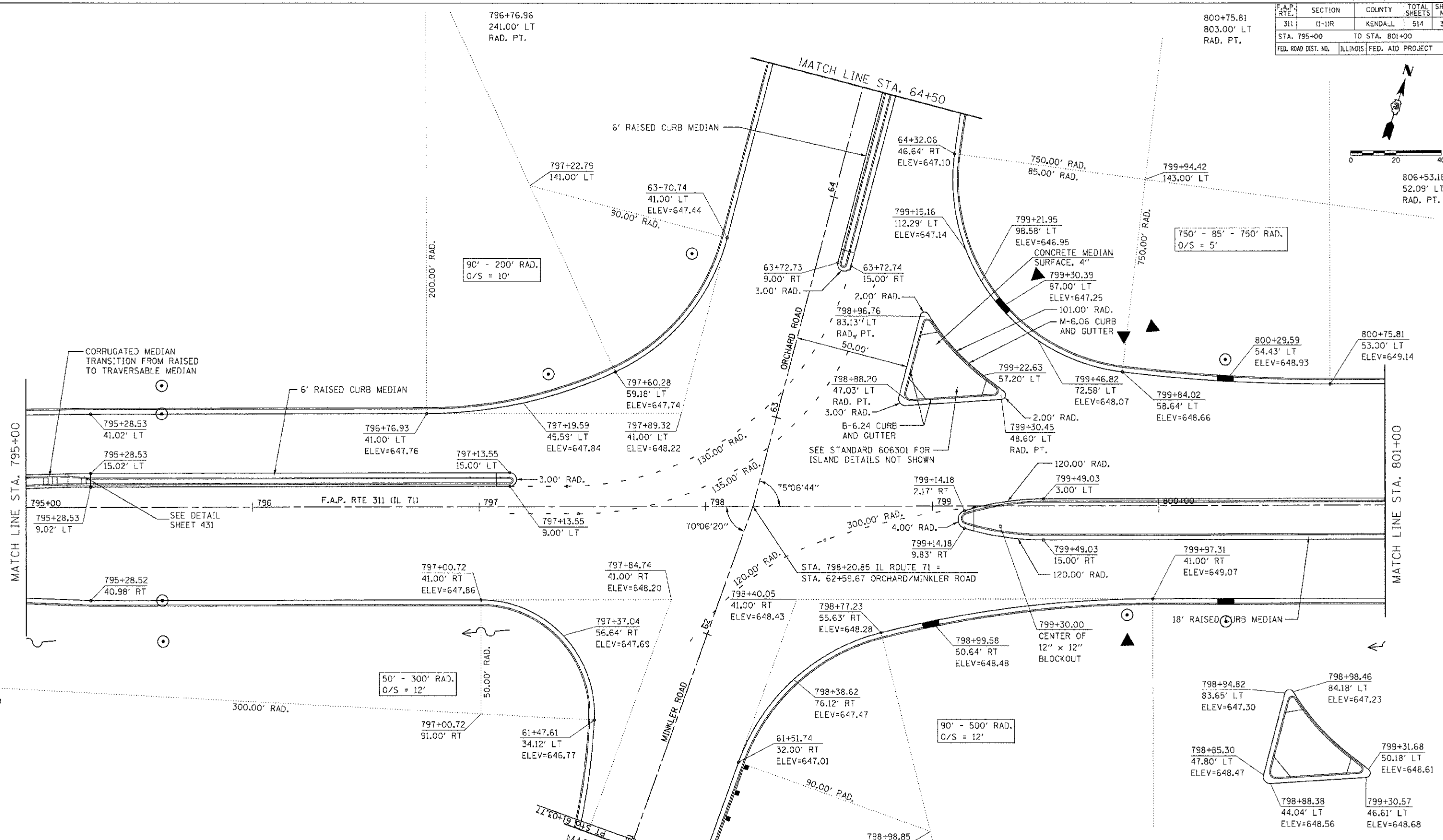
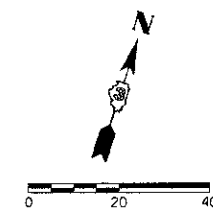
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HORIZ. 1"=20'
DATE 7/5/2012

DRAWN BY SAE
CHECKED BY MED

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-11R	KENDAL	514	323
STA. 795+00 TO STA. 801+00				
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

800+75.81
803.00' LT
RAD. PT.



NOTES:

- FOR ADDITIONAL DETAILS, SEE JOINTING PLANS, SIGNING AND STRIPING PLANS, AND TRAFFIC SIGNAL PLANS.

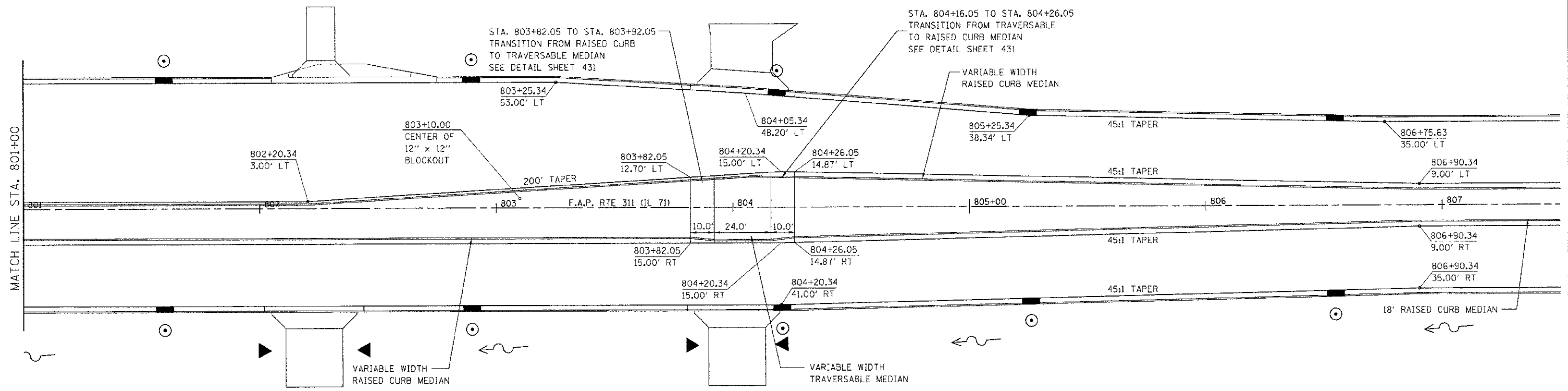
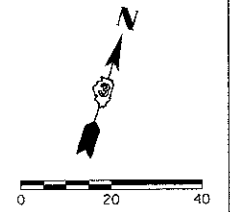
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAIL
ORCHARD / MINKLER
STA. 795 + 00 TO STA. 801 + 00

SCALE: VERT. 1"=20'
HORIZ. 1"=20'
DATE 7/5/2012
DRAWN BY SAE
CHECKED BY MED

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PLOT DATE = 7/5/2012
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R	KENDALL	514	324
STA. 801+00		TO STA. 807+50		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



NOTES:

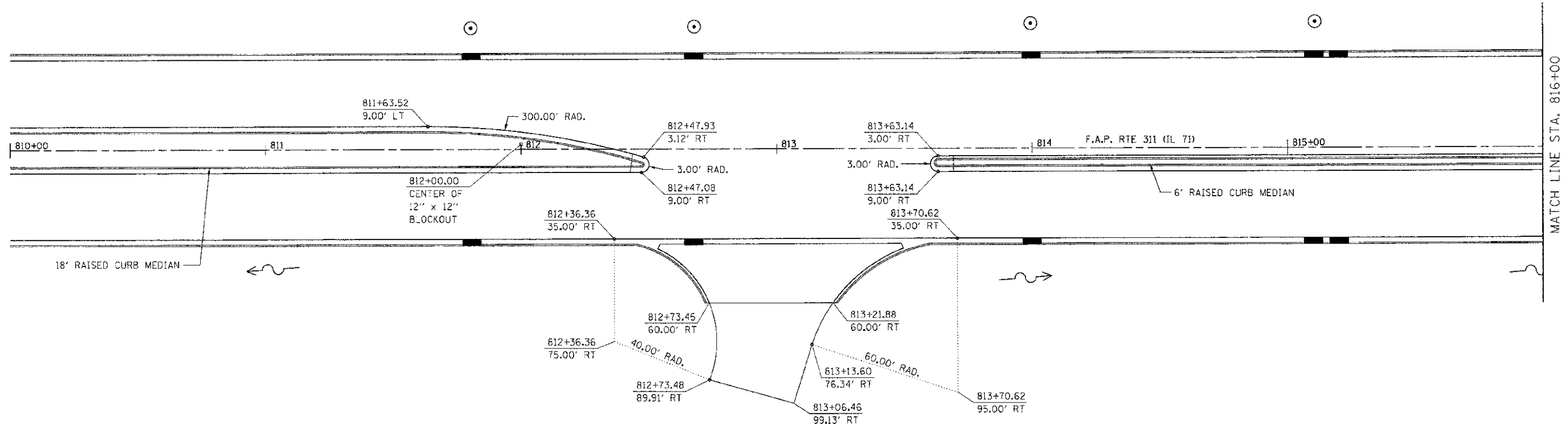
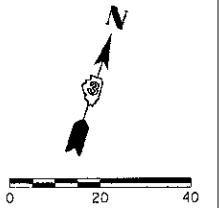
- FOR ADDITIONAL DETAILS, SEE JOINTING PLANS, SIGNING AND STRIPING PLANS, AND TRAFFIC SIGNAL PLANS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAIL
ORCHARD / MINKLER
STA. 801 + 00 TO STA. 807 + 50
 SCALE: VERT. 1"=20'
 HORIZ. 1"=20'
 DATE 7/5/2012
 DRAWN BY SAE
 CHECKED BY MED

TUC PROJ: 2106914
 PLOT DATE: 7/5/2012
 FILE NAME: p:\proj\11\dot_data\310\mego\phase 11\int-0-orchard-03.dgn

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	11-11R	KENDALL	514	325
STA. 810+00		TO STA. 816+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTES:

- FOR ADDITIONAL DETAILS, SEE JOINTING PLANS, SIGNING AND STRIPING PLANS, AND TRAFFIC SIGNAL PLANS.

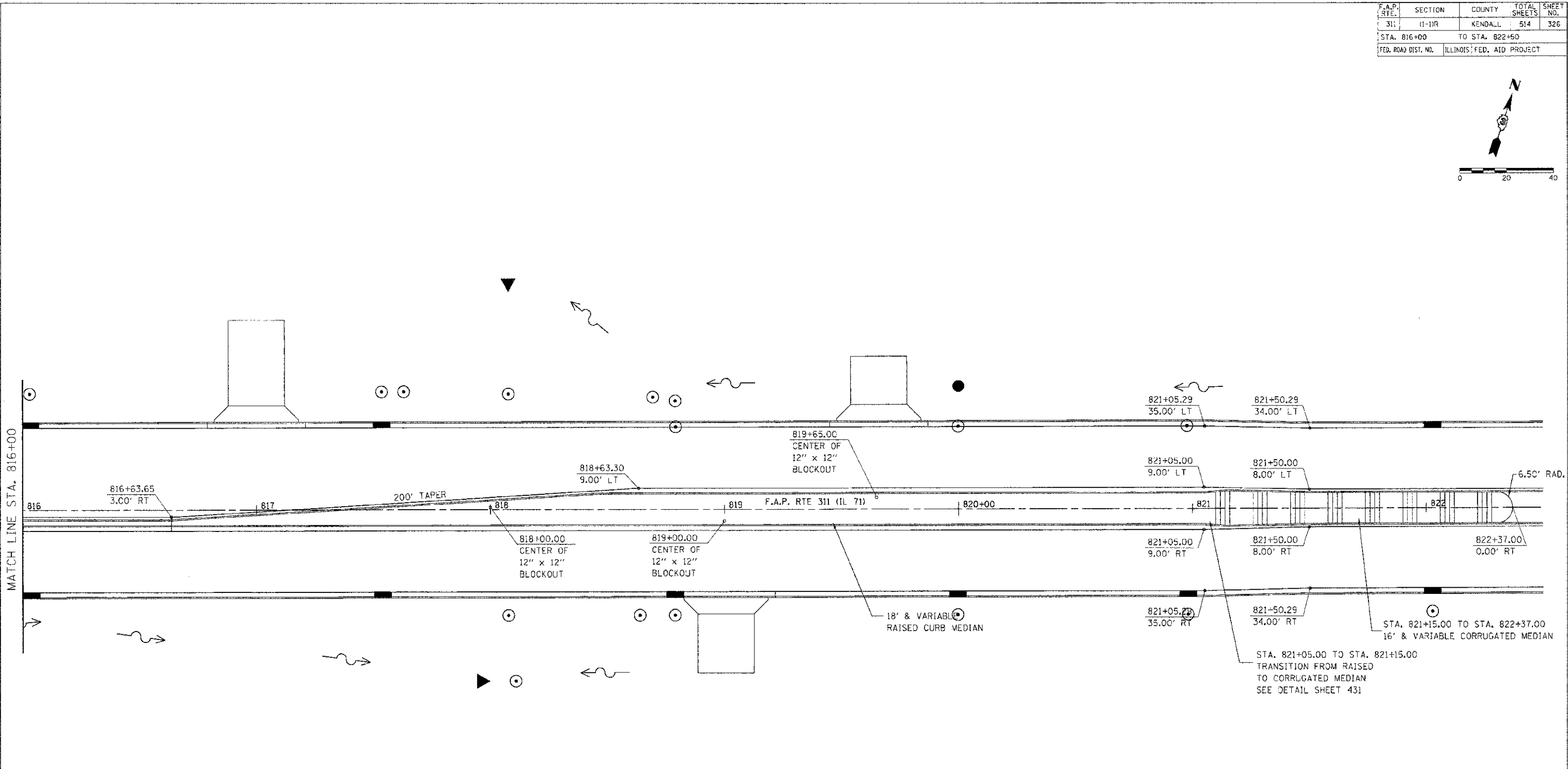
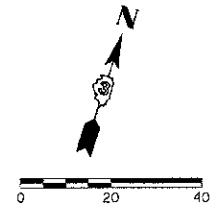
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAIL
COMMERCIAL ENTRANCE
STA. 810 + 00 TO STA. 816 + 00

SCALE: VERT. 1"=20'
 HORIZ. 1"=20'
 DATE 7/5/2012
 DRAWN BY SAE
 CHECKED BY MED

TUG PREL. *3105414
 PLOT DATE = 7/5/2012
 FILE NAME = p:\xv\11\ddot{ot}.dwt\ch2\oswego\phase 11\intc-trchard-2012.dgn

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R	KENDALL	514	326
STA. 816+00		TO STA. 822+50		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



NOTES:

- FOR ADDITIONAL DETAILS, SEE JOINTING PLANS, SIGNING AND STRIPING PLANS, AND TRAFFIC SIGNAL PLANS.

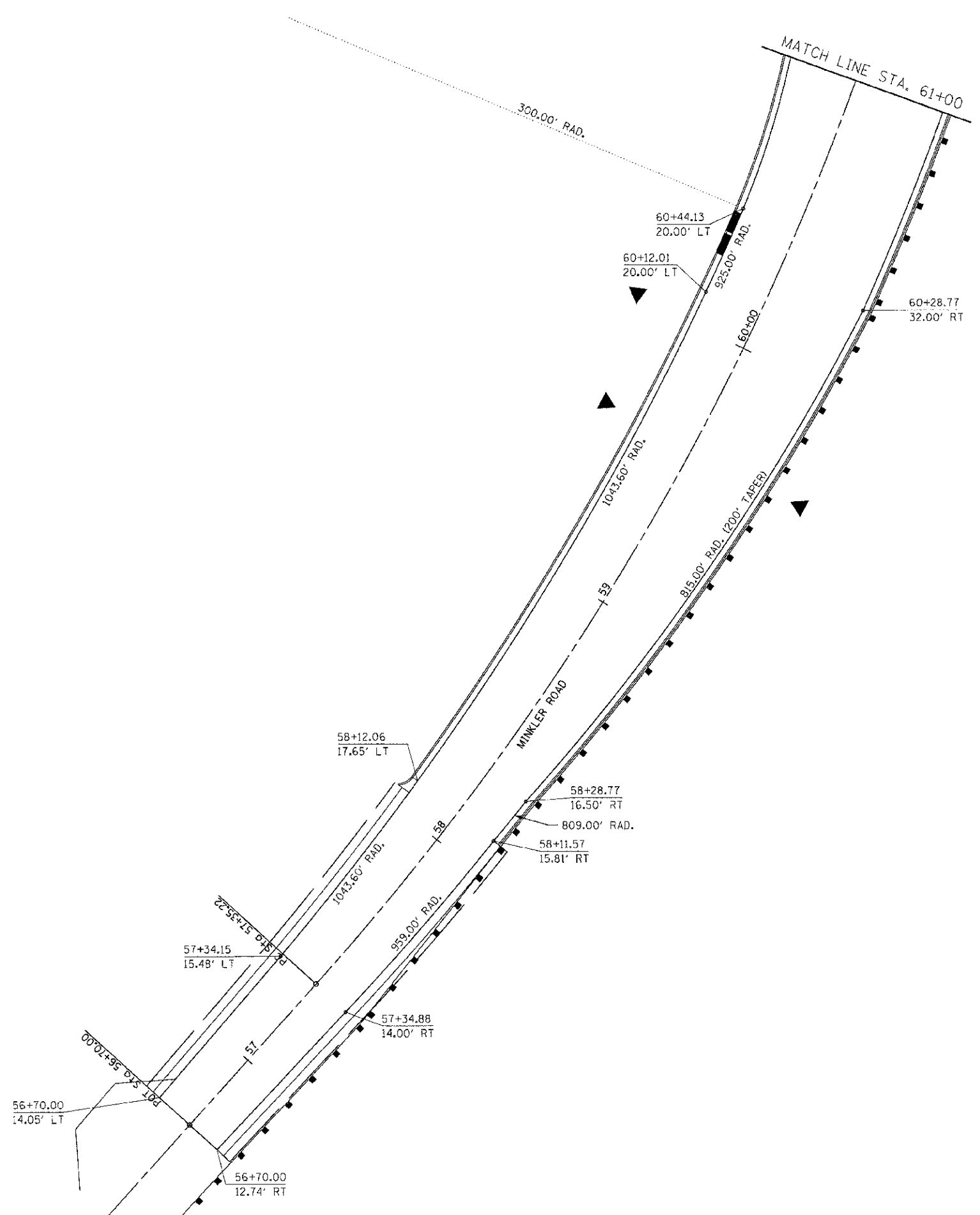
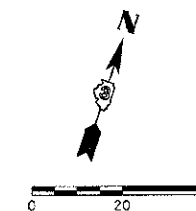
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAIL
COMMERCIAL ENTRANCE
STA. 816+00 TO STA. 822+50

SCALE: VERT. 1"=20'
 HORIZ. 1"=20'
 DATE 7/5/2012
 DRAWN BY SAE
 CHECKED BY MED

TUG PROJ: 13105814
 PLOT DATE: 7/5/2012
 FILE NAME: p:\nover\1\...doc.dwg

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R	KENDALL	514	327
STA. 56+70		TO STA. 61+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



NOTES:

- FOR ADDITIONAL DETAILS, SEE JOINTING PLANS, SIGNING AND STRIPING PLANS, AND TRAFFIC SIGNAL PLANS.

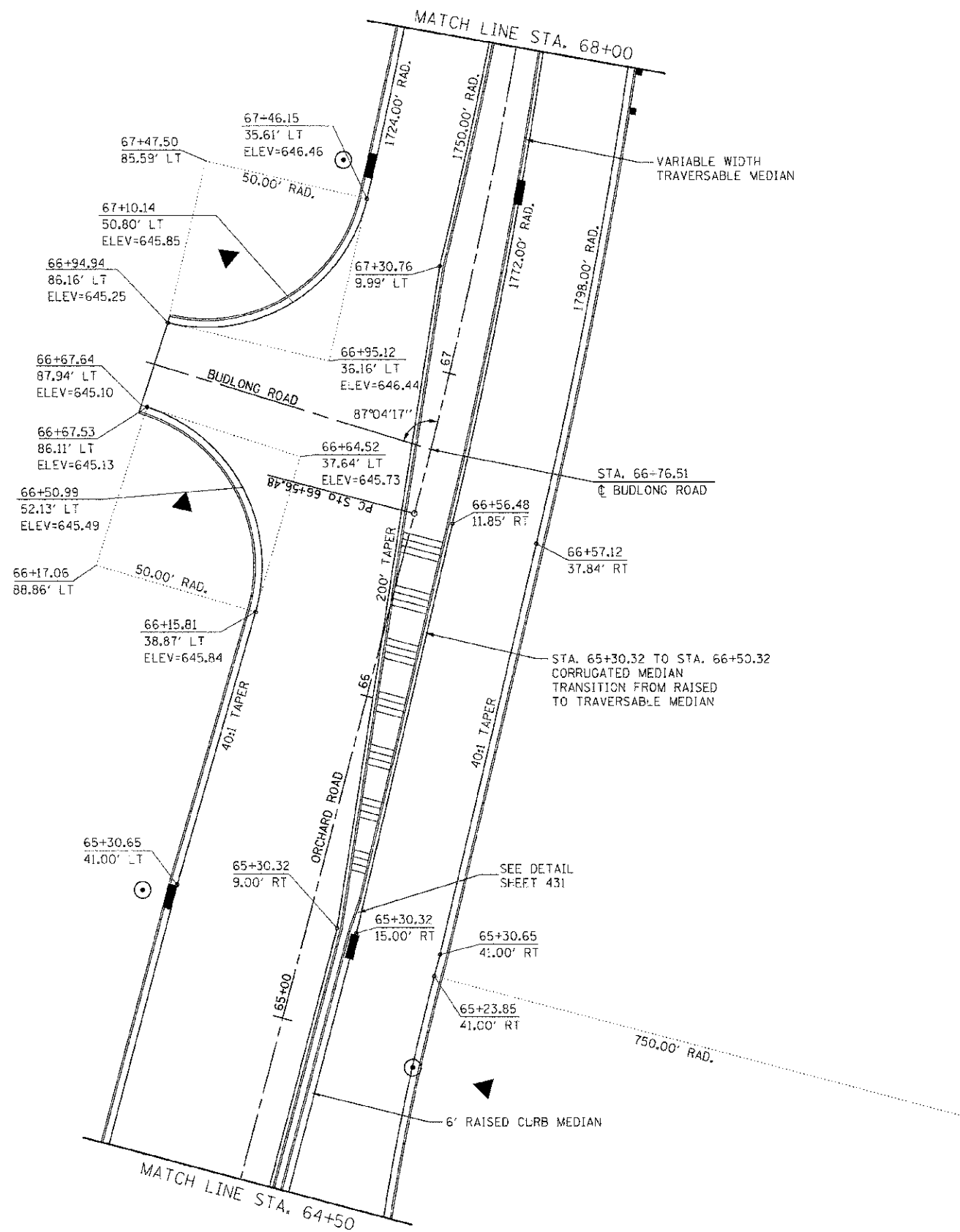
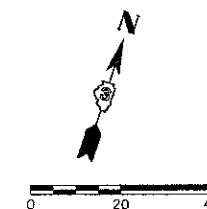
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAIL
MINKLER ROAD
STA. 56 + 70 TO STA. 61 + 00

SCALE: VERT. 1"=20'
 HORIZ. 1"=20'
 DATE 7/5/2012
 DRAWN BY SAE
 CHECKED BY MED

THIS PROJECT NUMBER IS 11085814
 PLOT DATE 7/5/2012
 FILE NAME p:\projects\11085814\11085814.dwg

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	11-11R	KENDALL	514	328
STA. 64+50		TO STA. 68+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



NOTES:

- FOR ADDITIONAL DETAILS, SEE JOINTING PLANS, SIGNING AND STRIPING PLANS, AND TRAFFIC SIGNAL PLANS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

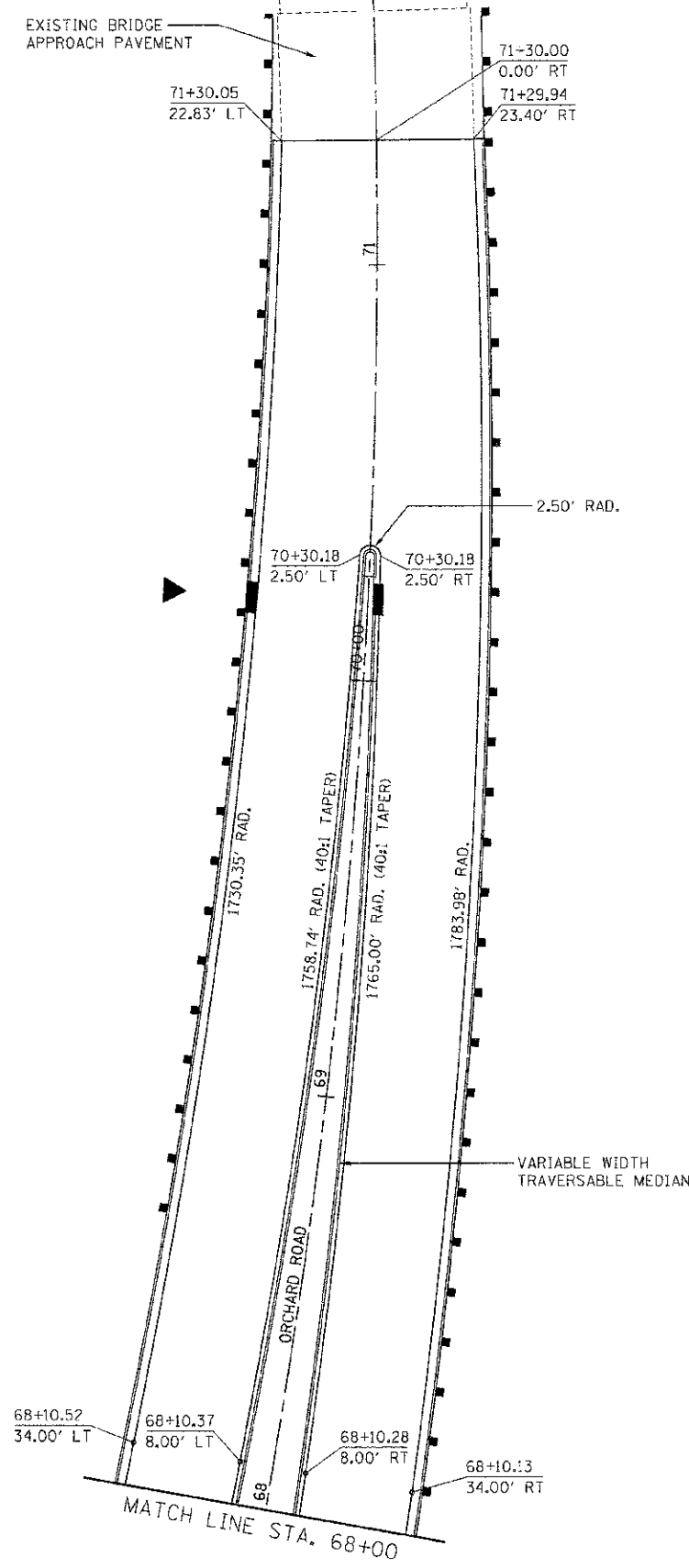
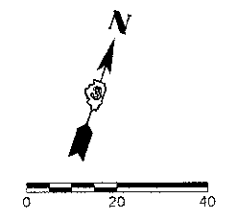
**INTERSECTION DETAIL
ORCHARD ROAD
STA. 64 + 50 TO STA. 68 + 00**

SCALE: VERT. 1"=20'
HORIZ. 1"=20'
DATE 7/5/2012

DRAWN BY SAE
CHECKED BY MED

TUG PROJ: 1305814
PLOT DATE: 7/5/2012
FILE NAME: p:\work\11\...ddc\dist3\orwaga\phase 11\Int-Orchard-85.dgn

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	41-1/R	KENDALL	514	329
STA. 68+00		TO STA. 71+30		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



NOTES:

- FOR ADDITIONAL DETAILS, SEE JOINTING PLANS, SIGNING AND STRIPING PLANS, AND TRAFFIC SIGNAL PLANS.

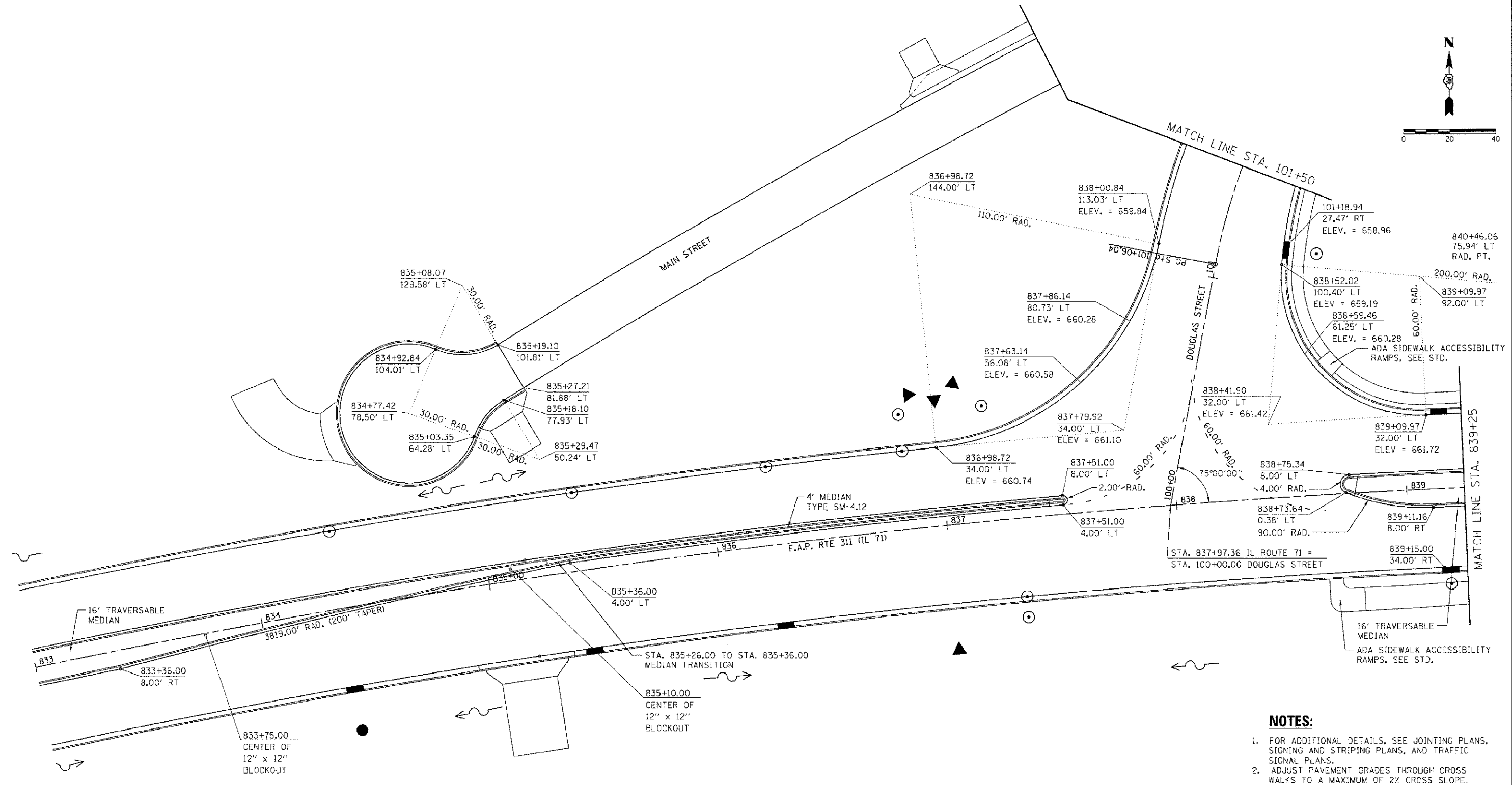
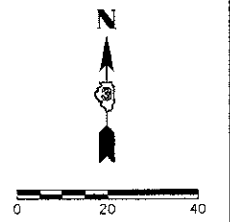
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAIL
ORCHARD ROAD
STA. 68+00 TO STA. 71+30

SCALE: VERT. 1"=20'
 HORIZ. 1"=20'
 DATE 7/5/2012
 DRAWN BY SAE
 CHECKED BY MED

TUG PROJ. *3105814
 PLOT DATE * 7/5/2012
 FILE NAME * p:\civ\1\edoc\dia3\opwsgo\ghaw 1\Int-2\chard-06.dgn

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	11-11R	KENDALL	514	330
STA. 833+00	TO STA. 839+25			
FED. ROAD DIST. NO. ILLINOIS, FED. AID PROJECT				



NOTES:

1. FOR ADDITIONAL DETAILS, SEE JOINTING PLANS, SIGNING AND STRIPING PLANS, AND TRAFFIC SIGNAL PLANS.
2. ADJUST PAVEMENT GRADES THROUGH CROSS WALKS TO A MAXIMUM OF 2% CROSS SLOPE.

REVISIONS	
NAME	DATE

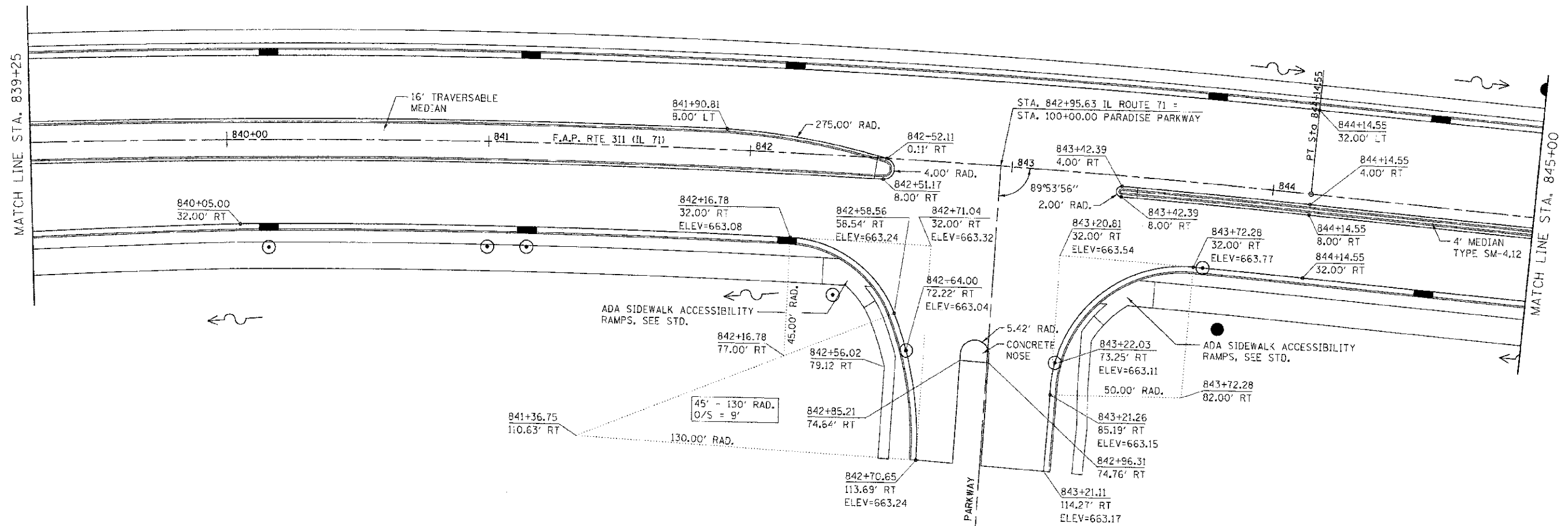
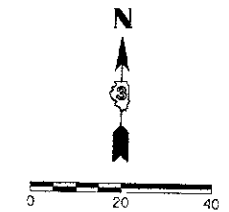
ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAIL
DOUGLAS STREET
STA. 833+00 TO STA. 839+25

SCALE: VERT. 1"=20'
 HORIZ. 1"=20'
 DATE 7/5/2012

DRAWN BY SAE
 CHECKED BY MED

TUG PROJ: 130858014
 PLOT DATE: 7/5/2012
 FILE NAME: p:\projects\130858014\int-Douglas-01.dwg

CONTRACT NO. 66420				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-2)R	KENDALL	514	331
STA. 839+25		TO STA. 845+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



- NOTES:**
- FOR ADDITIONAL DETAILS, SEE JOINTING PLANS, SIGNING AND STRIPING PLANS, AND TRAFFIC SIGNAL PLANS.
 - ADJUST PAVEMENT GRADES THROUGH CROSS WALKS TO A MAXIMUM OF 2% CROSS SLOPE.

REVISIONS	
NAME	DATE

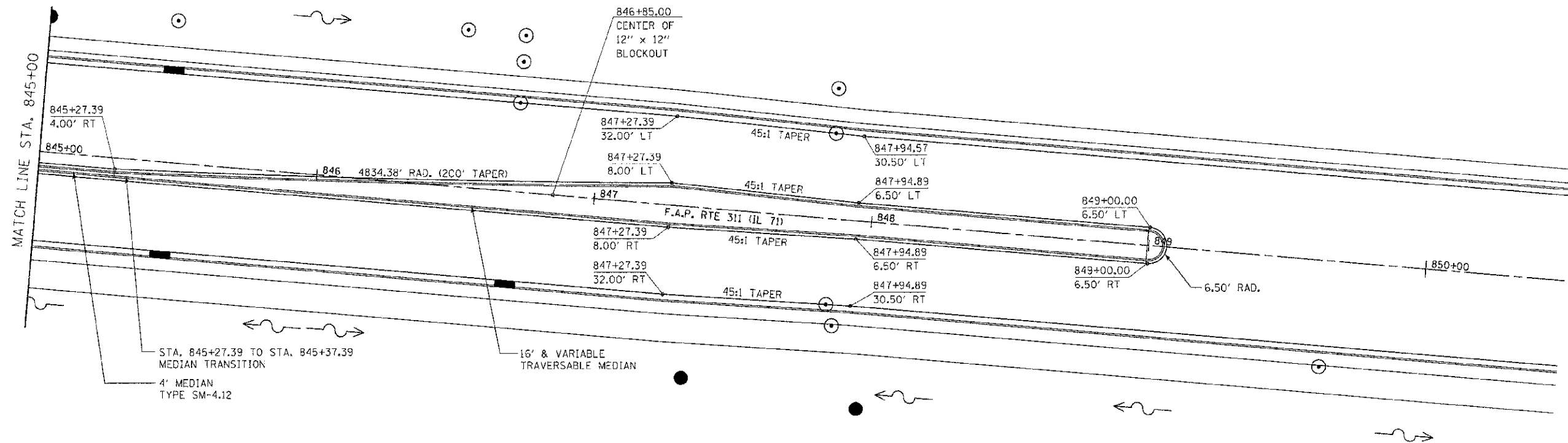
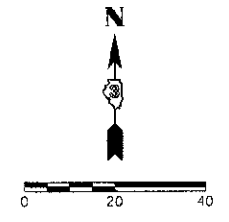
ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAIL
DOUGLAS STREET
STA. 839 + 25 TO STA. 845 + 00

SCALE: VERT. 1"=20'
 HORIZ. 1"=20'
 DATE 7/5/2012

DRAWN BY SAE
 CHECKED BY MED

TUG PROJ: 3105014
 PLOT DATE: 7/5/2012
 FILE NAME: p:\a\11\11\dca\sta3\voesego\phase 11\int-douglas-82.dgn

CONTRACT NO. 66420				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3:1	(1-1)R	KENDALL	514	332
STA.	845+00 TO STA.		850+50	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTES:

- FOR ADDITIONAL DETAILS, SEE JOINTING PLANS, SIGNING AND STRIPING PLANS, AND TRAFFIC SIGNAL PLANS.

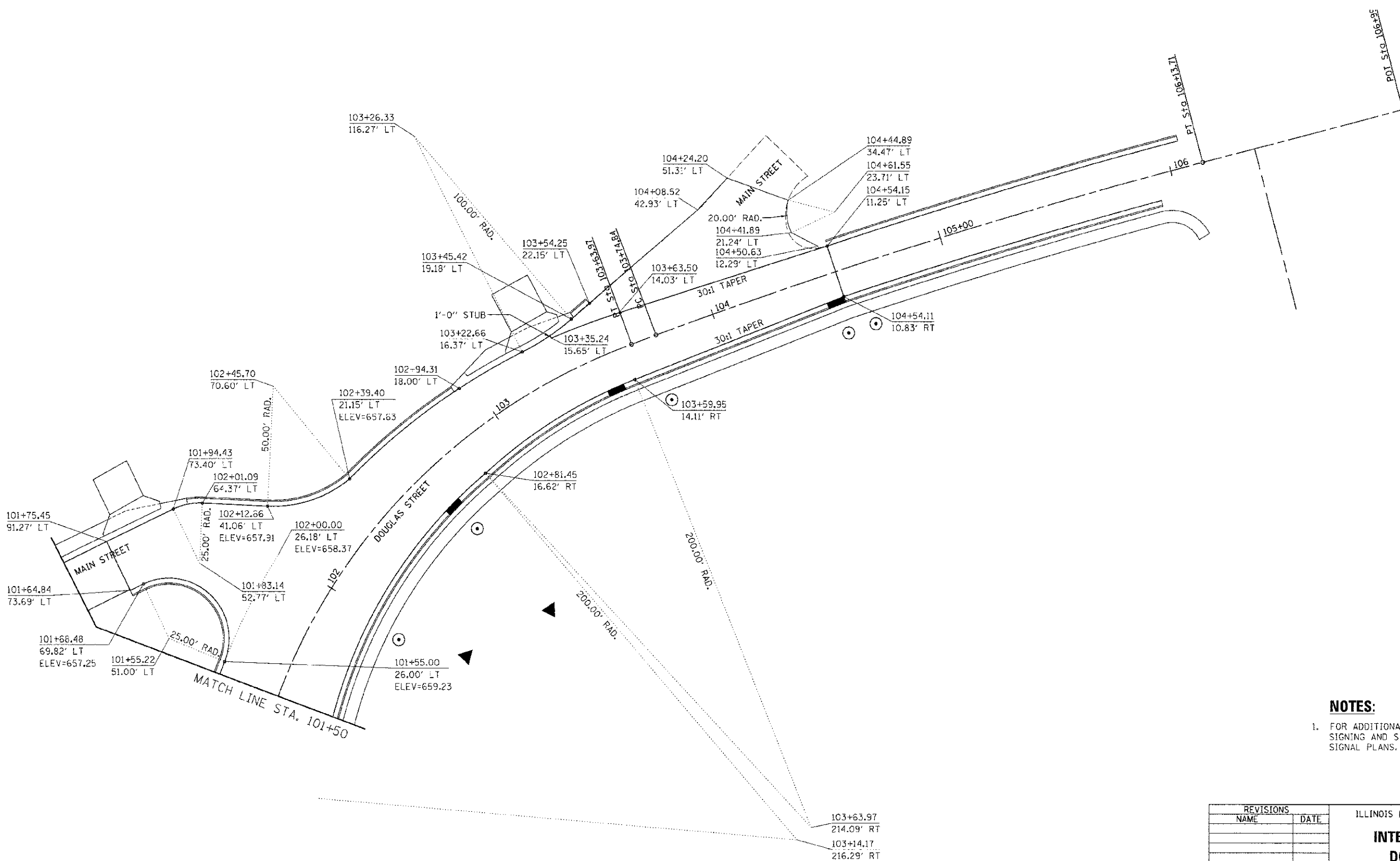
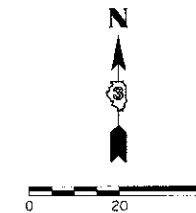
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAIL
DOUGLAS STREET
STA. 845 + 00 TO STA. 850 + 50

SCALE: VERT. 1"=20'
 HORIZ. 1"=20'
 DATE 7/5/2012
 DRAWN BY SAE
 CHECKED BY MED

TUG PROJ. #3185914
 PLOT DATE = 7/5/2012
 FILE NAME = p:\dvr\1\...ebn_hist\cons\gpa\shen 11\intc\Douglas-02.dgn

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R	KENDALL	514	333
STA. 101+50		TO STA. 106+99.89		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTES:

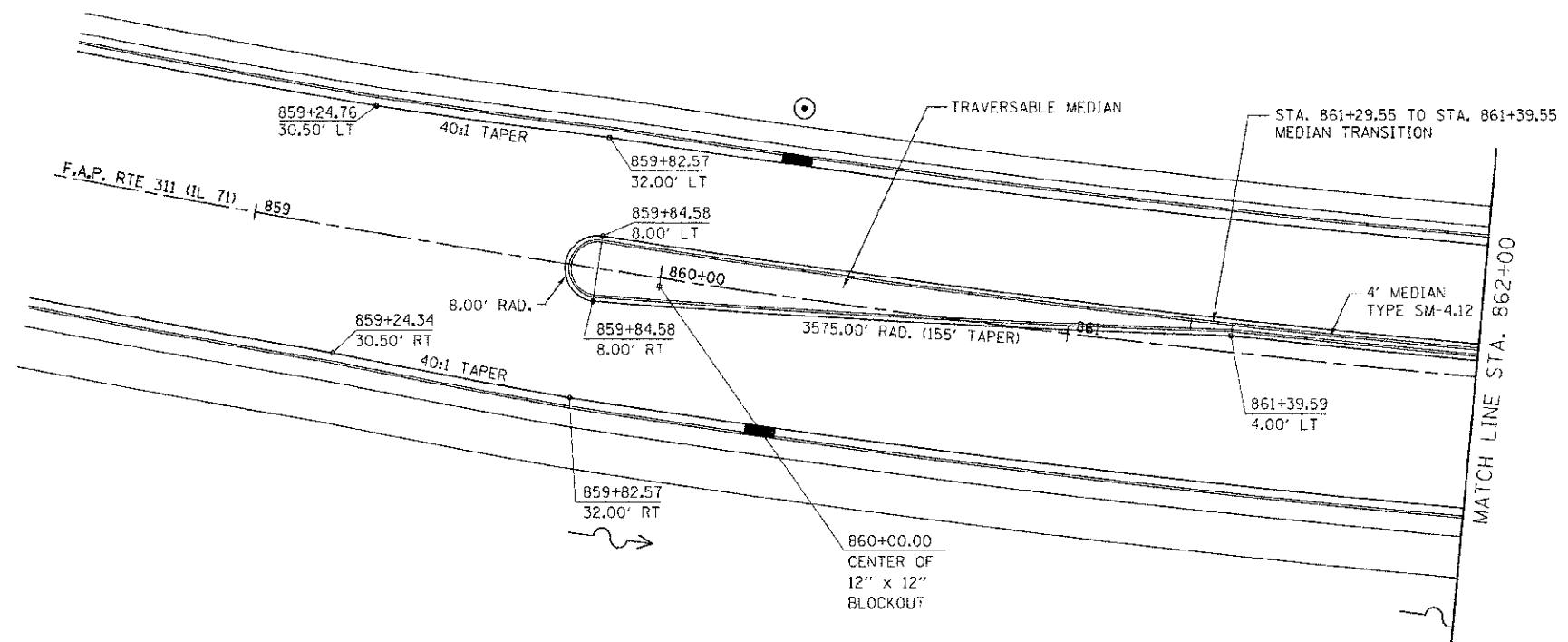
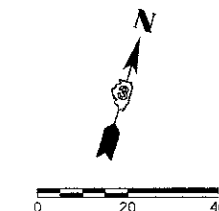
- FOR ADDITIONAL DETAILS, SEE JOINTING PLANS, SIGNING AND STRIPING PLANS, AND TRAFFIC SIGNAL PLANS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAIL
DOUGLAS STREET
STA. 101 + 50 TO STA. 106 + 99.89

SCALE: VERT. 1"=20'
 HORIZ. 1"=20'
 DATE: 7/5/2012
 DRAWN BY: SAE
 CHECKED BY: MED

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R	KENDALL	514	334
STA. 858+50		TO STA. 862+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTES:

- FOR ADDITIONAL DETAILS, SEE JOINTING PLANS, SIGNING AND STRIPING PLANS, AND TRAFFIC SIGNAL PLANS.

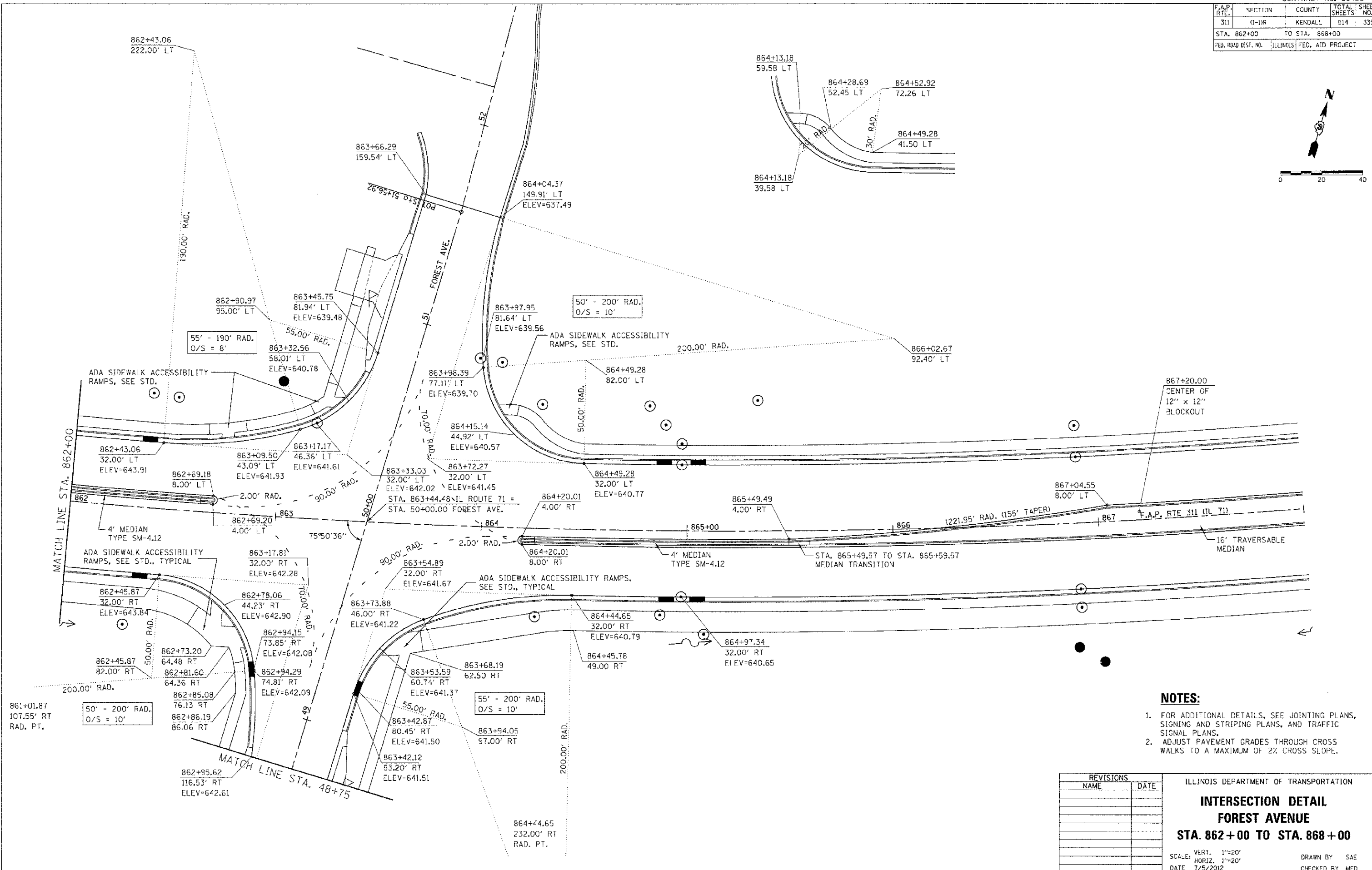
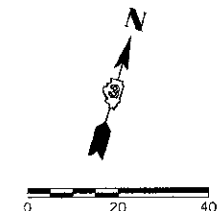
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAIL
FOREST AVENUE
STA. 858 + 50 TO STA. 862 + 00

SCALE: VERT. 1"=20'
 HORIZ. 1"=20'
 DATE 7/5/2012
 DRAWN BY SAE
 CHECKED BY MED

TUG PROJ. 3182814
 PLOT DATE 7/5/2012
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	0-1R	KENDALL	514	335
STA. 862+00		TO STA. 868+00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



NOTES:

1. FOR ADDITIONAL DETAILS, SEE JOINTING PLANS, SIGNING AND STRIPING PLANS, AND TRAFFIC SIGNAL PLANS.
2. ADJUST PAVEMENT GRADES THROUGH CROSS WALKS TO A MAXIMUM OF 2% CROSS SLOPE.

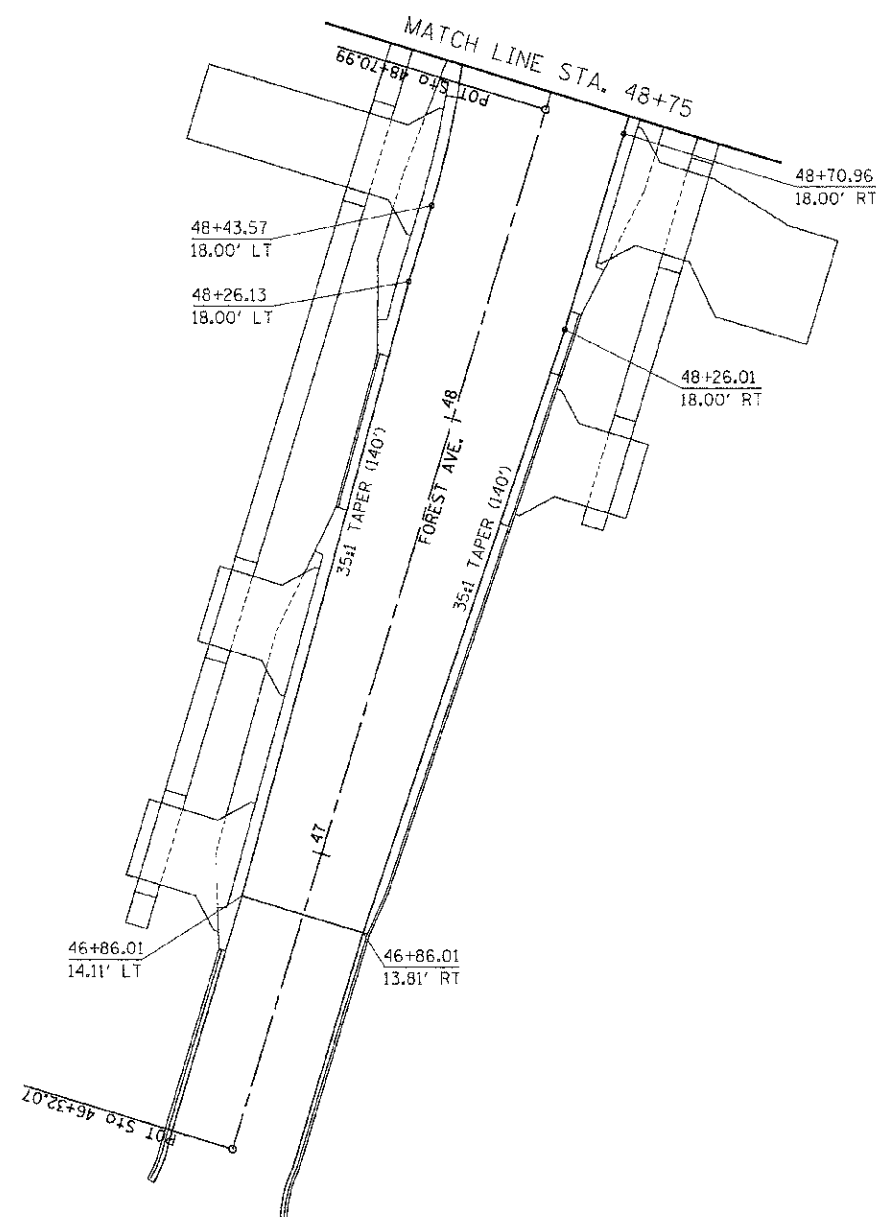
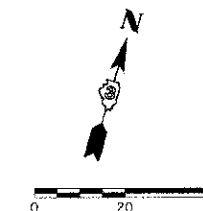
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAIL
FOREST AVENUE
STA. 862+00 TO STA. 868+00

SCALE: VERT. 1"=20'
 HORIZ. 1"=20'
 DATE 7/5/2012
 DRAWN BY SAE
 CHECKED BY MED

TUG PROJ. #3195814
 PLOT DATE = 7/5/2012
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R	KENDALL	514	336
STA. 46+86.01		TO STA. 48+75		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



NOTES:

- FOR ADDITIONAL DETAILS, SEE JOINTING PLANS, SIGNING AND STRIPING PLANS, AND TRAFFIC SIGNAL PLANS.

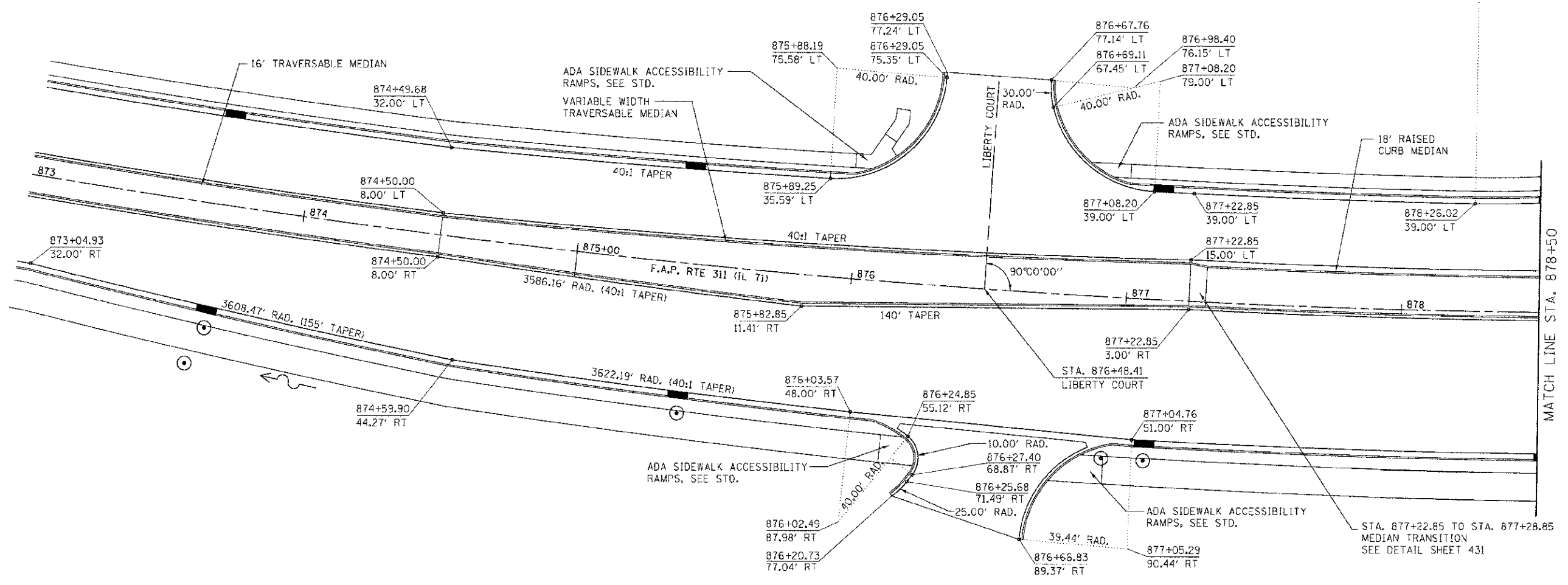
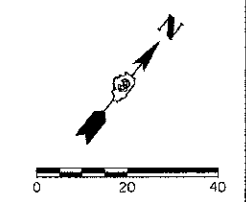
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAIL
FOREST AVENUE
STA. 46 + 86.01 TO STA. 48 + 75

SCALE: VERT. 1"=20'
 HORIZ. 1"=20'
 DATE 7/5/2012
 DRAWN BY SAF
 CHECKED BY MED

TUG PROJ. 13103904
 PLOT DATE 7/5/2012
 FILE NAME p:\civil\11\det.dwg\3\onwego\phase 11\Int-Forest-03.dgn

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R	KENDALL	514	337
STA. 873+00		TO STA. 878+50		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



NOTES:

- FOR ADDITIONAL DETAILS, SEE JOINTING PLANS, SIGNING AND STRIPING PLANS, AND TRAFFIC SIGNAL PLANS.
- ADJUST PAVEMENT GRADES THROUGH CROSS WALKS TO A MAXIMUM OF 2% CROSS SLOPE.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAIL
PLAINFIELD RD / WASHINGTON ST
STA. 873+00 TO STA. 878+50

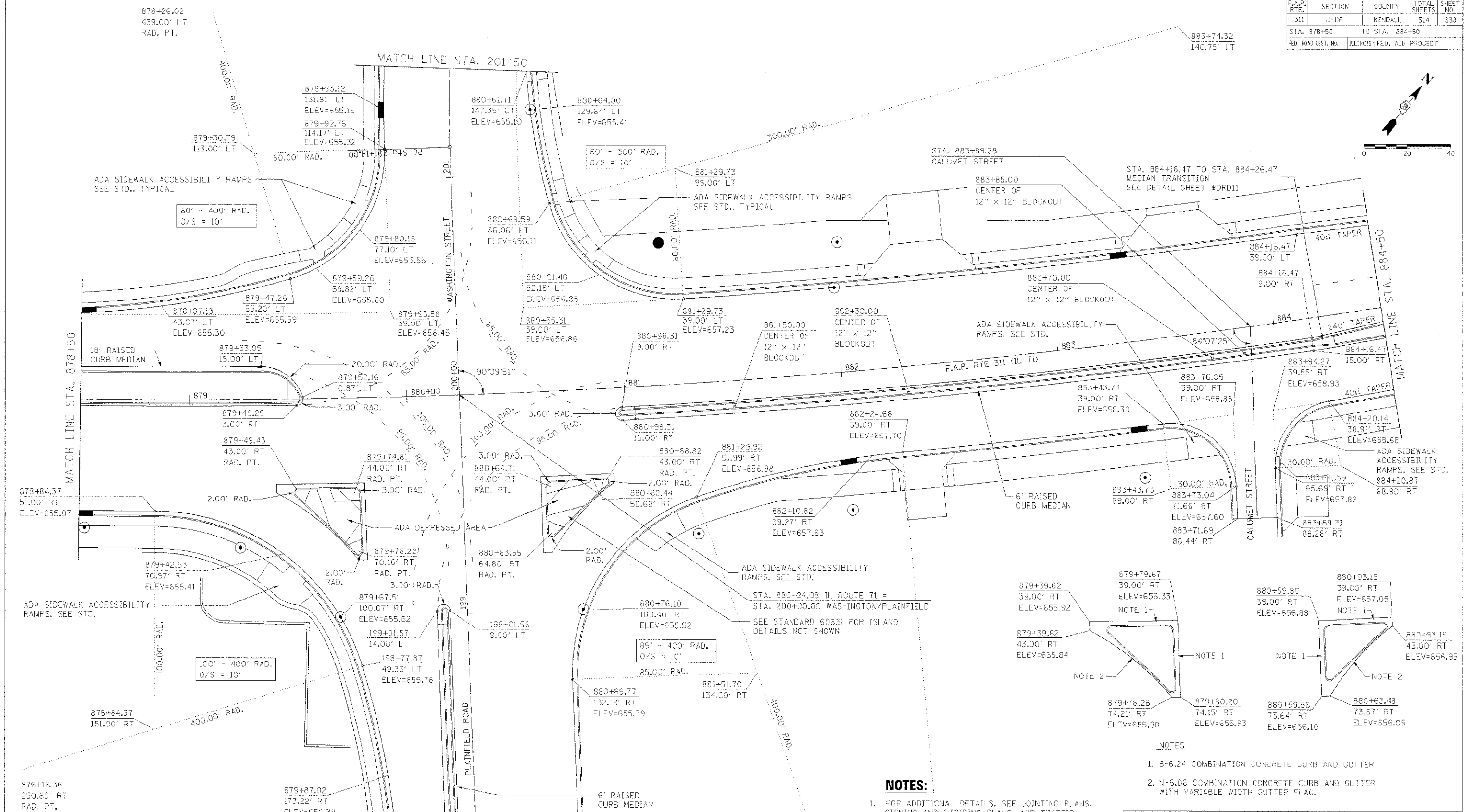
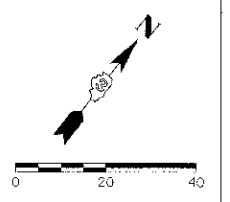
SCALE: VERT. 1"=20'
 HORIZ. 1"=20'

DATE 7/5/2012

DRAWN BY SAE
 CHECKED BY MED

TUB PROJ. #310384
 PLOT DATE = 7/5/2012
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	1-10R	KENDALL	54	338
STA. 878+50		TO STA. 884+50		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



NOTES:

- FOR ADDITIONAL DETAILS, SEE JOINTING PLANS, SIGNING AND STRIPING PLANS, AND TRAFFIC SIGNAL PLANS.
- ADJUST PAVEMENT GRADES THROUGH CROSS WALKS TO A MAXIMUM OF 2% CROSS SLOPE.

NOTES:

- B-6.24 COMBINATION CONCRETE CURB AND GUTTER
- M-6.06 COMBINATION CONCRETE CURB AND GUTTER WITH VARIABLE WIDTH GUTTER FLAG.

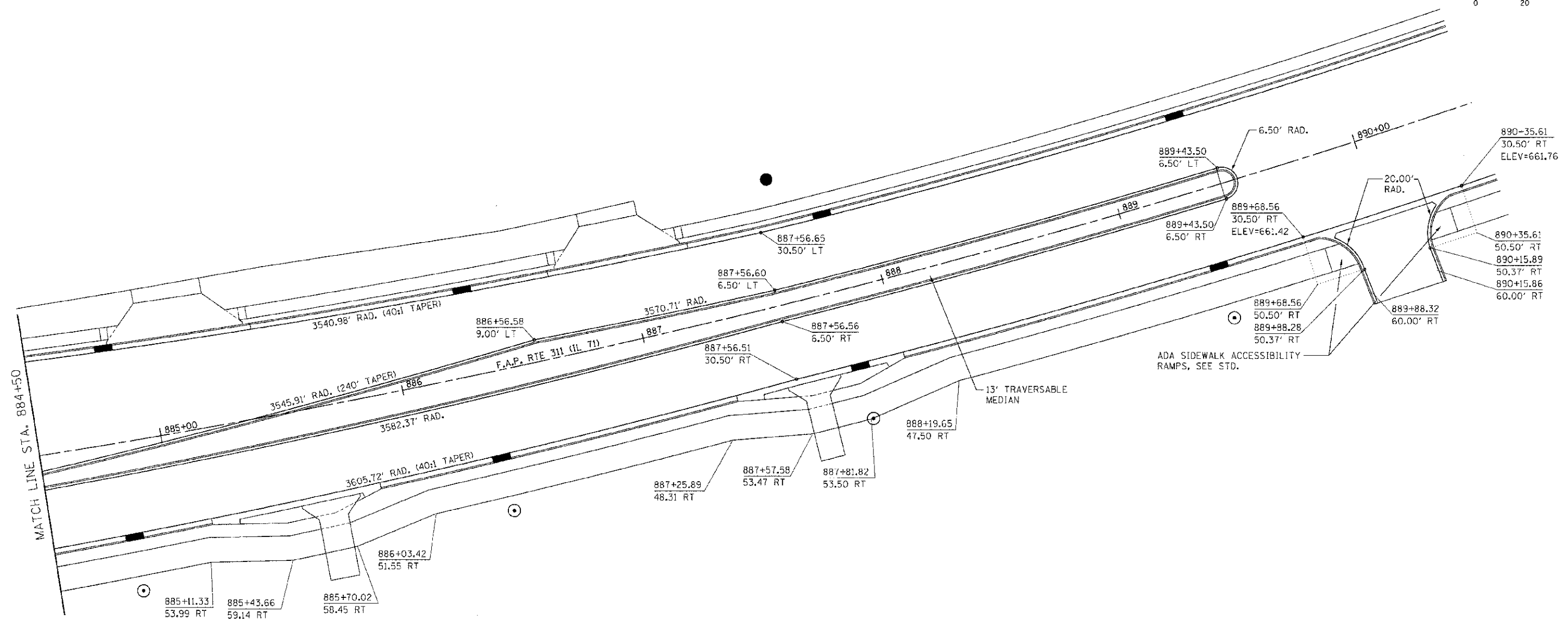
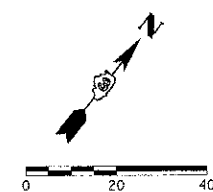
REVISIONS	
NAME	DATE
BDD	8-8-12

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAIL
PLAINFIELD RD / WASHINGTON ST
STA. 878 + 50 TO STA. 884 + 50

SCALE: VERT. 1"=20'
 HORIZ. 1"=20'
 DATE 7/5/2012
 DRAWN BY SAL
 CHECKED BY MED

THIS DESIGNED BY: J. W. B. / DATE: 8/2/12 / FILE NAME: C:\New York\pavement\drns\8265\1.ctb Washington-22e-revised.dgn

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	1-11R	KENDALL	514	339
STA. 884+50 TO STA. 890+50				
ILLINOIS FED. AID PROJECT				



ADA SIDEWALK ACCESSIBILITY RAMP, SEE STD.

NOTES:

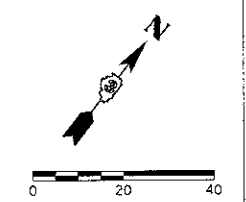
- FOR ADDITIONAL DETAILS, SEE JOINTING PLANS, SIGNING AND STRIPING PLANS, AND TRAFFIC SIGNAL PLANS.
- ADJUST PAVEMENT GRADES THROUGH CROSS WALKS TO A MAXIMUM OF 2% CROSS SLOPE.

REVISIONS	
NAME	DATE

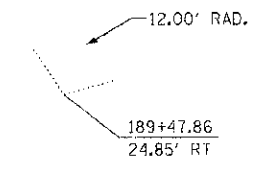
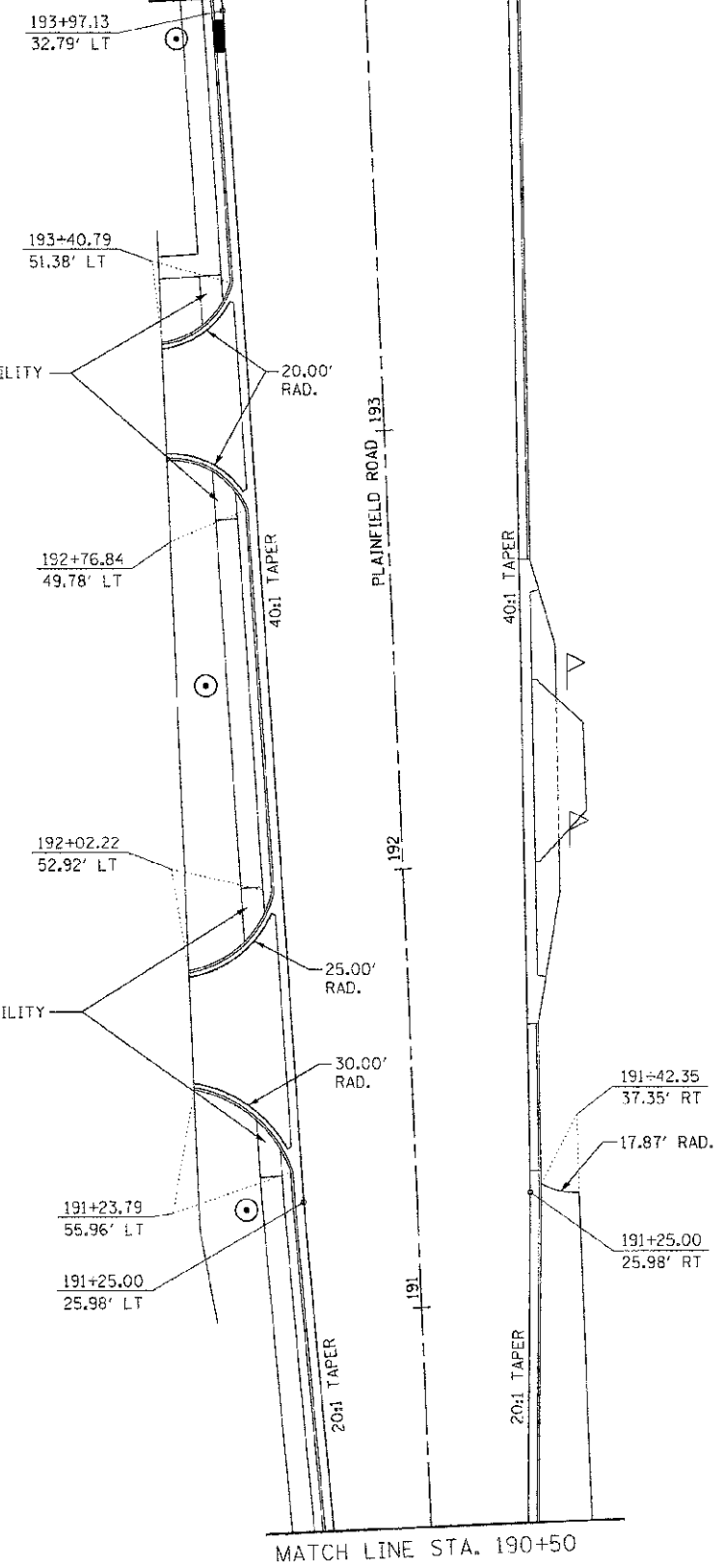
ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAIL
PLAINFIELD RD / WASHINGTON ST
STA. 884 + 50 TO STA. 890 + 50
 SCALE: VERT. 1"=20'
 HORIZ. 1"=20'
 DATE 7/5/2012
 DRAWN BY SAE
 CHECKED BY MED

THIS PROJECT NUMBER IS 108294
 PLOT DATE = 7/5/2012
 FILE NAME = p:\atv\1\108294\108294.dwg

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-D)	KENDALL	514	340
STA. 188+00		TO STA. 194+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



MATCH LINE STA. 194+00



ADA SIDEWALK ACCESSIBILITY RAMP, SEE STD.

ADA SIDEWALK ACCESSIBILITY RAMP, SEE STD.

NOTES:

1. FOR ADDITIONAL DETAILS, SEE JOINTING PLANS, SIGNING AND STRIPING PLANS, AND TRAFFIC SIGNAL PLANS.
2. ADJUST PAVEMENT GRADES THROUGH CROSS WALKS TO A MAXIMUM OF 2% CROSS SLOPE.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

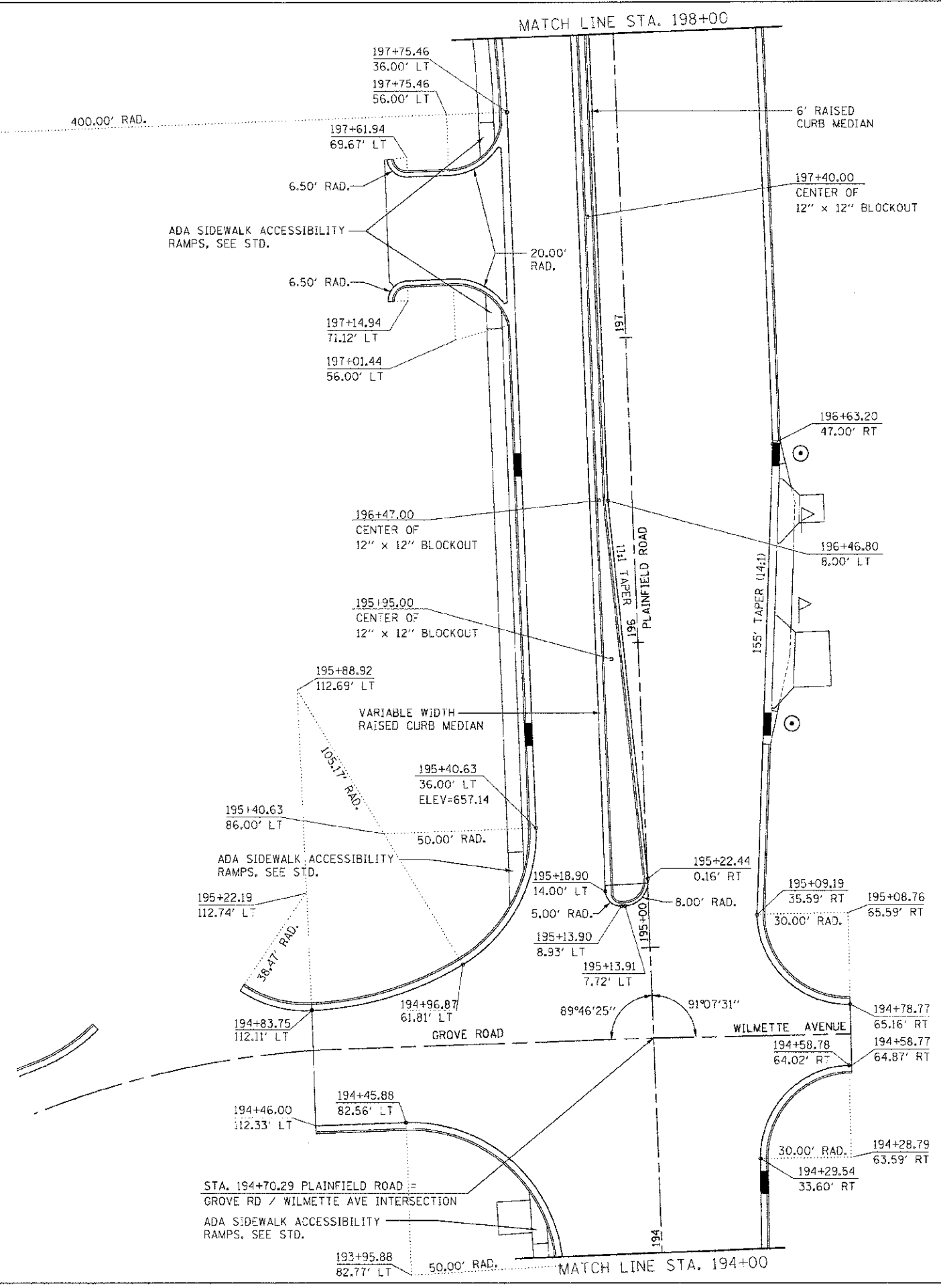
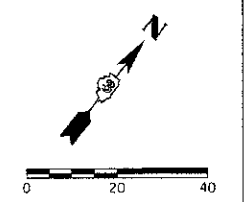
**INTERSECTION DETAIL
PLAINFIELD ROAD
STA. 188+00 TO STA. 194+00**

SCALE: VERT. 1"=20'
HORIZ. 1"=20'

DATE 7/5/2012 DRAWN BY SAE
CHECKED BY MED

TUG PROJ. # 1009314
 PLOT DATE = 7/5/2012
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F.A.P. R/E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-11R)	KENDALL	5:4	341
STA. 194+00		TO STA. 198+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



NOTES:

1. FOR ADDITIONAL DETAILS, SEE JOINTING PLANS, SIGNING AND STRIPING PLANS, AND TRAFFIC SIGNAL PLANS.
2. ADJUST PAVEMENT GRADES THROUGH CROSS WALKS TO A MAXIMUM OF 2% CROSS SLOPE.

REVISIONS	
NAME	DATE

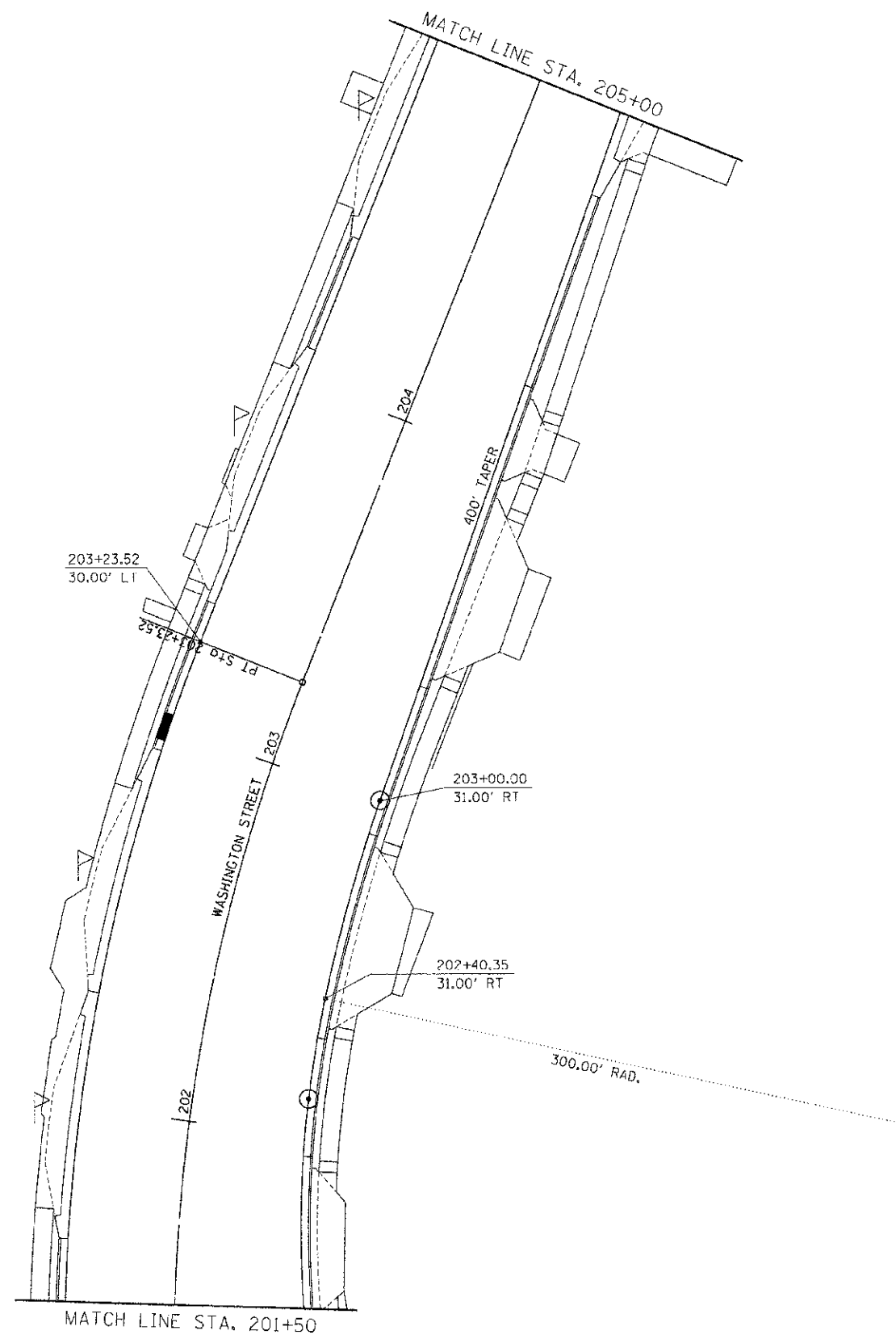
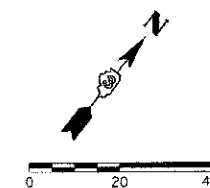
ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAIL
PLAINFIELD RD / GROVE RD
STA. 194 + 00 TO STA. 198 + 00

SCALE: VERT. 1"=20'
 HORIZ. 1"=20'
 DATE 7/5/2012

DRAWN BY SAE
 CHECKED BY MED

AUG PROJ. #310584
 PLOT DATE = 7/5/2012
 FILE NAME = p:\nrcv\1\...dbt.dwg\kewego\phase_1\Int-Wilmette\08.dwg

F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R	KENDALL	514	342
STA. 201+50		TO STA. 207+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



NOTES:

1. FOR ADDITIONAL DETAILS, SEE JOINTING PLANS, SIGNING AND STRIPING PLANS, AND TRAFFIC SIGNAL PLANS.
2. ADJUST PAVEMENT GRADES THROUGH CROSS WALKS TO A MAXIMUM OF 2% CROSS SLOPE.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

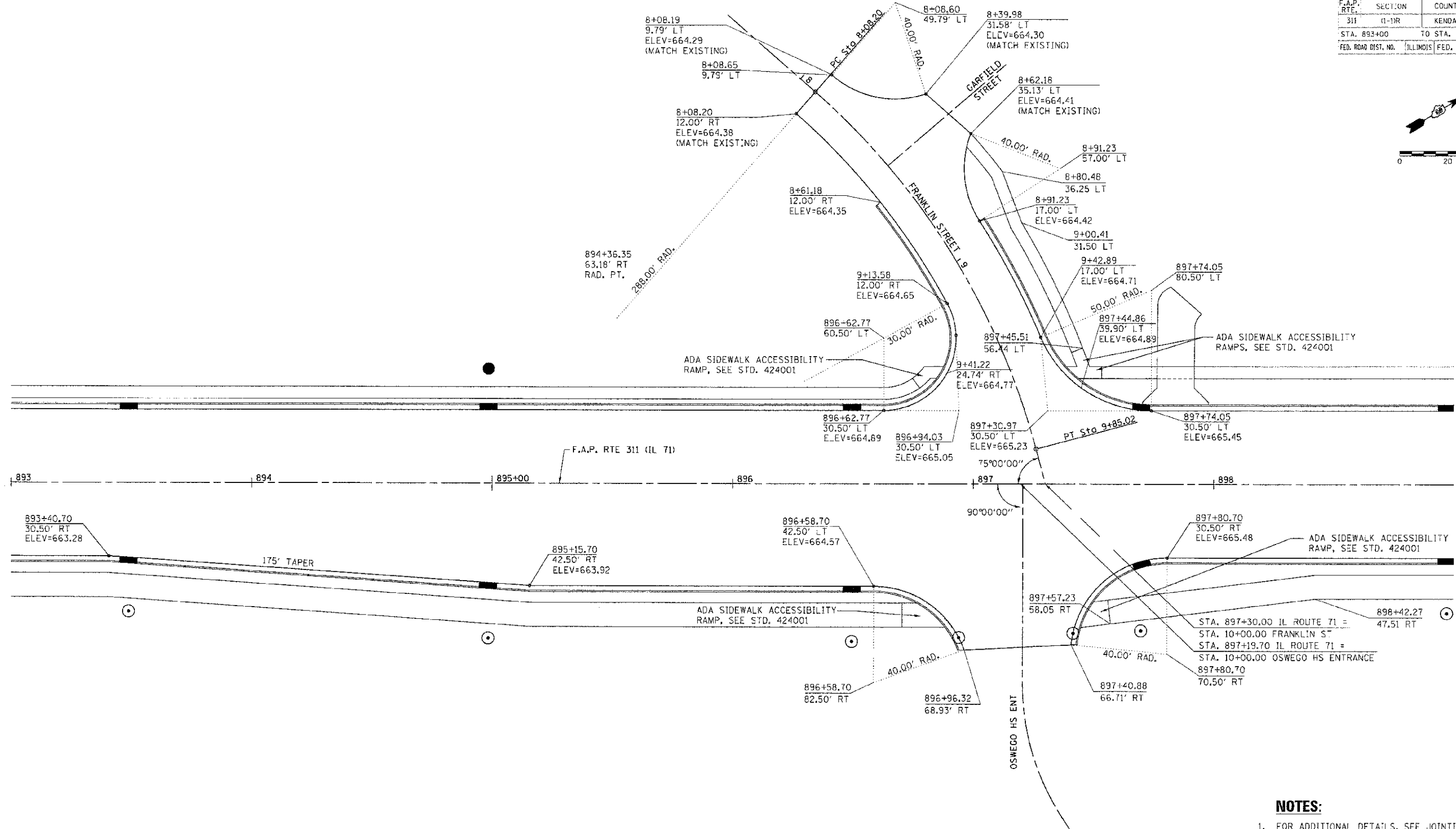
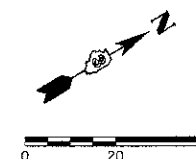
**INTERSECTION DETAIL
WASHINGTON ST
STA. 201 + 50 TO STA. 207 + 00**

SCALE: VERT. 1"=20'
HORIZ. 1"=20'
DATE 7/5/2012

DRAWN BY SAE
CHECKED BY MED

TUC PROJ: 2006014
PLOT DATE: 7/5/2012
FILE NAME: p:\atv1\jdec\dst2\wage\phase 1\int-washington-06.dgn

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	01-11R	KENDALL	514	343
STA. 893+00		TO STA. 899+00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

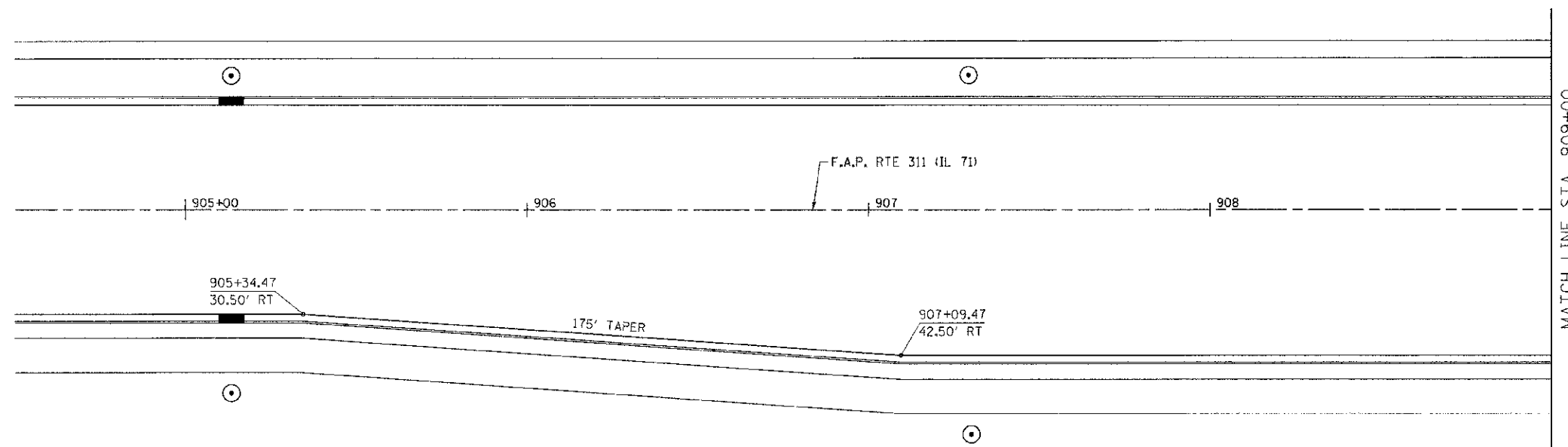
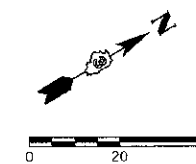


- NOTES:**
- FOR ADDITIONAL DETAILS, SEE JOINTING PLANS, SIGNING AND STRIPING PLANS, AND TRAFFIC SIGNAL PLANS.
 - ADJUST PAVEMENT GRADES THROUGH CROSS WALKS TO A MAXIMUM OF 2% CROSS SLOPE.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<p align="center">INTERSECTION DETAIL FRANKLIN ST / OSWEGO HS ENT STA. 893+00 TO STA. 899+00</p> <p>SCALE: VERT. 1"=20' HORIZ. 1"=20' DATE 7/5/2012</p> <p>DRAWN BY SAE CHECKED BY MED</p>

TUG PROJ. #100914
 DATE = 7/5/2012
 FILE NAME = p:\work\100914\100914.dwg

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R	KENDALL	514	344
STA. 904+50		TO STA. 909+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTES:

1. FOR ADDITIONAL DETAILS, SEE JOINTING PLANS, SIGNING AND STRIPING PLANS, AND TRAFFIC SIGNAL PLANS.

REVISIONS	
NAME	DATE

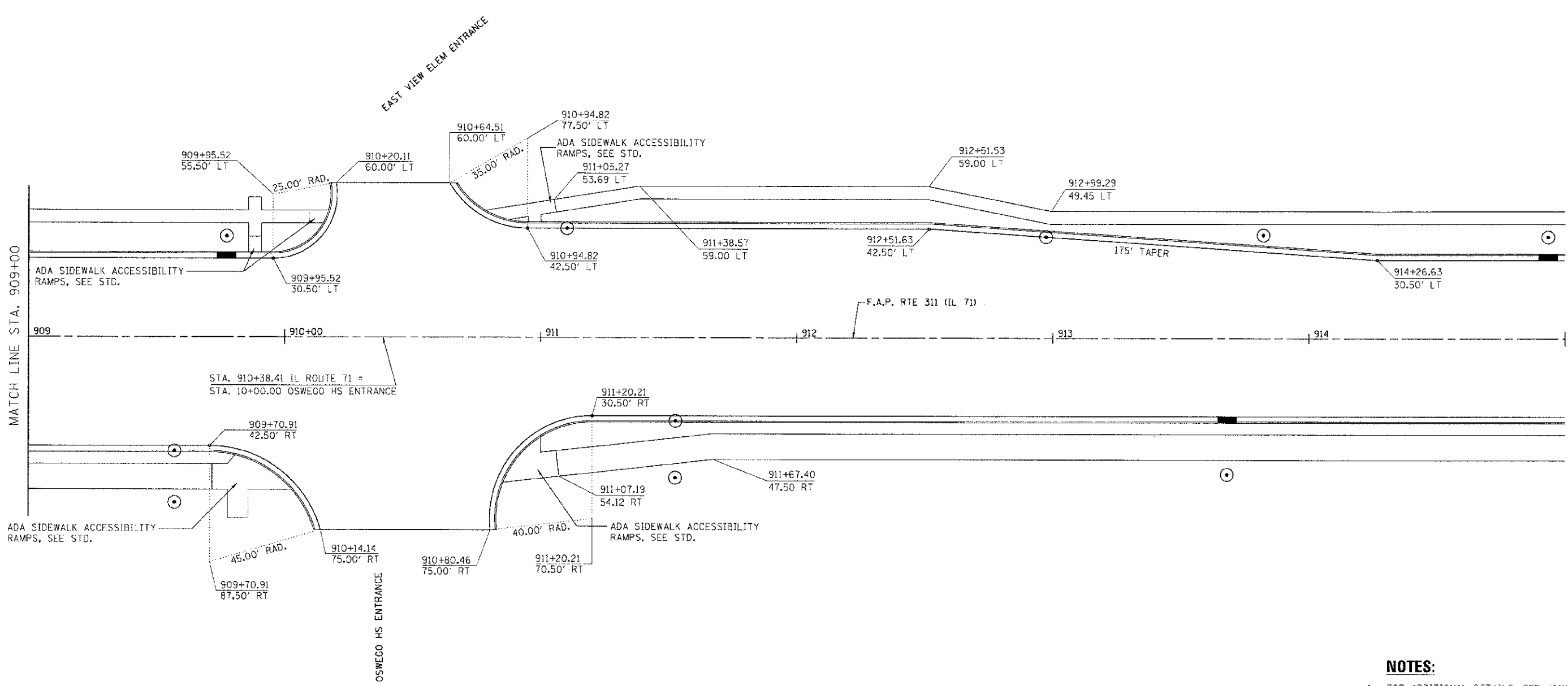
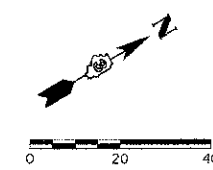
ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAIL
OSWEGO HS ENTRANCE
STA. 904 + 50 TO STA. 909 + 00

SCALE: VERT. 1"=20'
 HORIZ. 1"=20'
 DATE 7/5/2012

DRAWN BY SAE
 CHECKED BY MED

TUG PROJ: 13105814
 PLOT DATE: 7/5/2012
 FILE NAME: p:\projects\13105814\drawings\oswego\phase 1\int-0swego05-01.dwg

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R	KENDALL	514	345
STA. 909+00		TO STA. 915+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTES:

1. FOR ADDITIONAL DETAILS, SEE JOINTING PLANS, SIGNING AND STRIPING PLANS, AND TRAFFIC SIGNAL PLANS.
2. ADJUST PAVEMENT GRADES THROUGH CROSS WALKS TO A MAXIMUM OF 2% CROSS SLOPE.

REVISIONS	
NAME	DATE

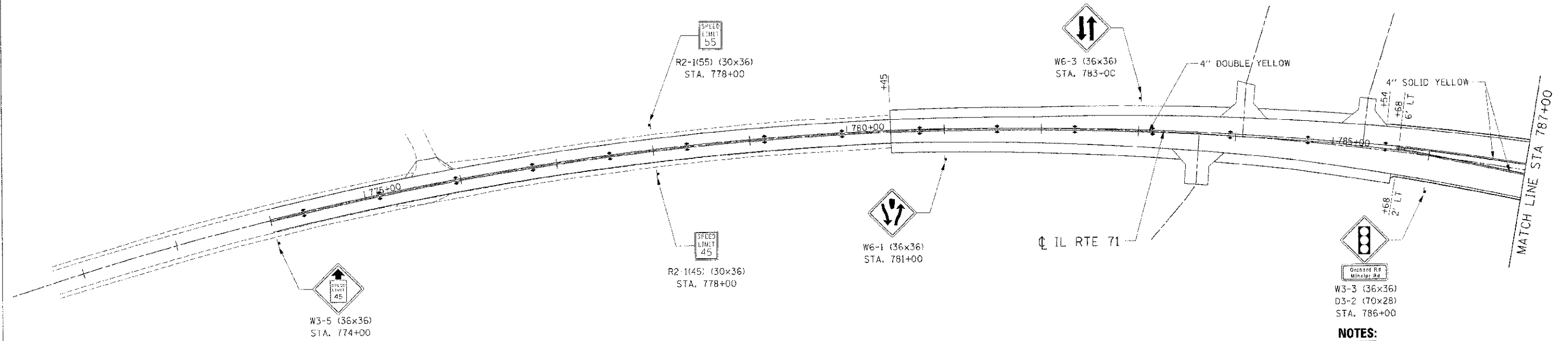
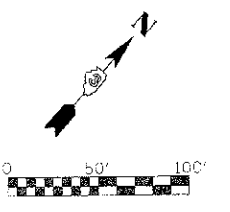
ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAIL
OSWEGO HS ENTRANCE
STA. 909 + 00 TO STA. 915 + 00

SCALE: VERT. 1"=20'
 HORIZ. 1"=20'
 DATE 7/5/2012

DRAWN BY SAE
 CHECKED BY MED

TUG PROJ: 0310504
 PLOT DATE: 7/5/2012
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F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1) R	KENDALL	514	346
STA. 771+00.50		TO STA. 787+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



NOTES:

1. CONTRACTOR SHALL REPLACE WOOD POSTS FOR RELOCATED SIGNS AS DIRECTED BY THE ENGINEER.
2. ALL PERMANENT PAVEMENT MARKING SHALL BE URETHANE PAVEMENT MARKING, EXCEPT FOR THE 6" WHITE SKIP-DASHED LINE, 24" STOP BAR, LETTERS & SYMBOLS SHALL BE PREFORMED PLASTIC PAVEMENT MARKING, TYPE-B, INLAID.
3. LONGITUDINAL PAVEMENT MARKING SHALL FOLLOW PAVEMENT CONSTRUCTION JOINTS UNLESS OTHERWISE NOTED. (SEE JOINTING PLANS)
4. ALL UN-USED ROADWAY SIGNS ARE TO BE RETURNED TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION YORKVILLE MAINTENANCE FACILITY ON ILLINOIS ROUTE 47.

REVISIONS	NAME	DATE

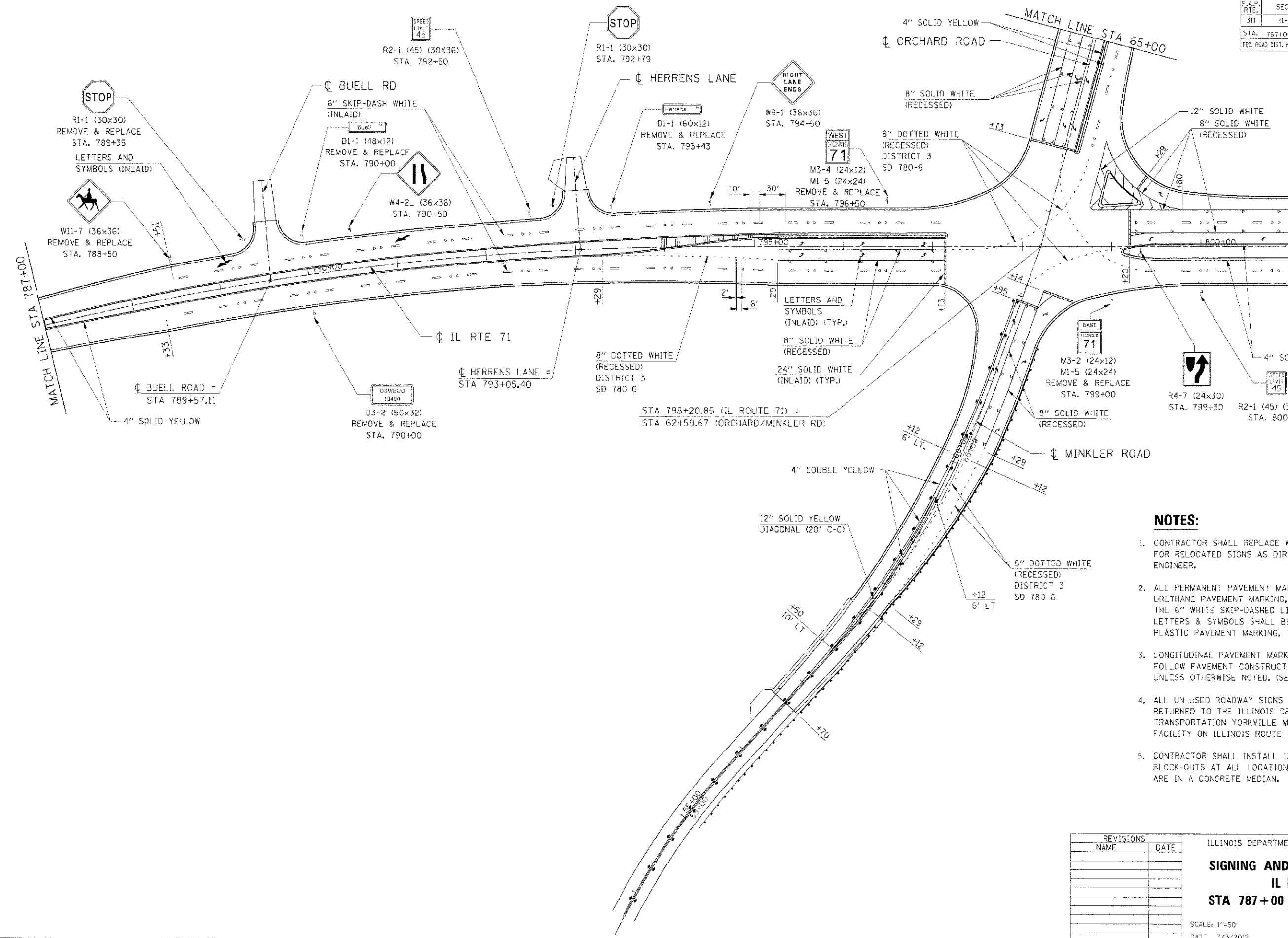
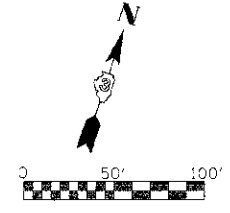
ILLINOIS DEPARTMENT OF TRANSPORTATION
SIGNING AND STRIPING PLAN
IL RTE 71
STA 771+70.50 TO STA 787+00

SCALE: 1"=50'
 DATE: 7/3/2012
 DRAWN BY: _____
 CHECKED BY: RG

IE PROJ: 66420
 PLOT DATE: 7/3/2012
 FILE NAME: 66420R0257AR01171.PMBLUSH1

S.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1) R	KENDALL	514	347

STA. 787+00 TO STA. 801+00
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT



NOTES:

1. CONTRACTOR SHALL REPLACE WOOD POSTS FOR RELOCATED SIGNS AS DIRECTED BY THE ENGINEER.
2. ALL PERMANENT PAVEMENT MARKING SHALL BE URETHANE PAVEMENT MARKING, EXCEPT FOR THE 6" WHITE SKIP-DASHED LINE, 24" STOP BAR, LETTERS & SYMBOLS SHALL BE PERFORMED PLASTIC PAVEMENT MARKING, TYPE-B, INLAID.
3. LONGITUDINAL PAVEMENT MARKING SHALL FOLLOW PAVEMENT CONSTRUCTION JOINTS UNLESS OTHERWISE NOTED. (SEE JOINTING PLANS)
4. ALL UN-USED ROADWAY SIGNS ARE TO BE RETURNED TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION YORKVILLE MAINTENANCE FACILITY ON ILLINOIS ROUTE 47.
5. CONTRACTOR SHALL INSTALL 12"x12" SIGN BLOCK-OUTS AT ALL LOCATIONS WHERE SIGNS ARE IN A CONCRETE MEDIAN.

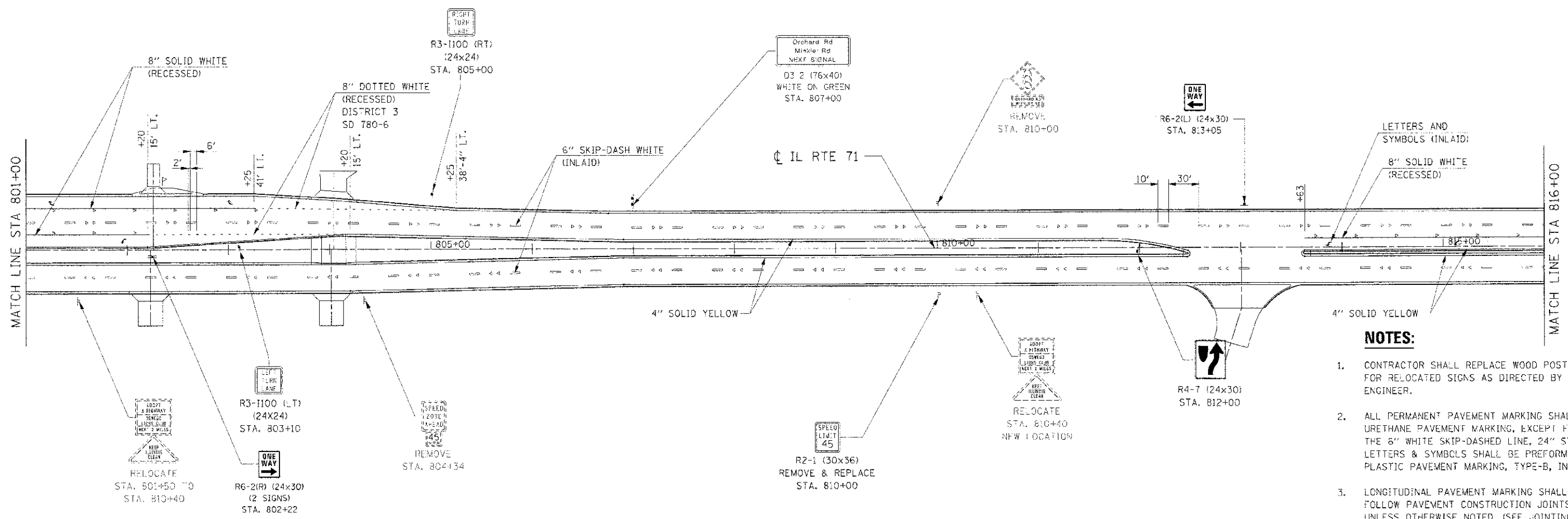
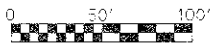
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SIGNING AND STRIPING PLAN
IL RTE 71
STA 787+00 TO STA 801+00

SCALE: 1"=50'
DATE: 7/3/2012
DRAWN BY: _____
CHECKED BY: RG

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET
311	(E-1) R	KENDALL	514
STA. 801+00		TO STA.	816+00
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	



NOTES:

1. CONTRACTOR SHALL REPLACE WOOD POSTS FOR RELOCATED SIGNS AS DIRECTED BY THE ENGINEER.
2. ALL PERMANENT PAVEMENT MARKING SHALL BE URETHANE PAVEMENT MARKING, EXCEPT FOR THE 6" WHITE SKIP-DASHED LINE, 24" STOP BAR, LETTERS & SYMBOLS SHALL BE PERFORMED PLASTIC PAVEMENT MARKING, TYPE-B, INLAID.
3. LONGITUDINAL PAVEMENT MARKING SHALL FOLLOW PAVEMENT CONSTRUCTION JOINTS UNLESS OTHERWISE NOTED. (SEE JOINTING PLANS)
4. ALL UN-USED ROADWAY SIGNS ARE TO BE RETURNED TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION YORKVILLE MAINTENANCE FACILITY ON ILLINOIS ROUTE 47.
5. CONTRACTOR SHALL INSTALL 12"x12" SIGN BLOCK-OUTS AT ALL LOCATIONS WHERE SIGNS ARE IN A CONCRETE MEDIAN.

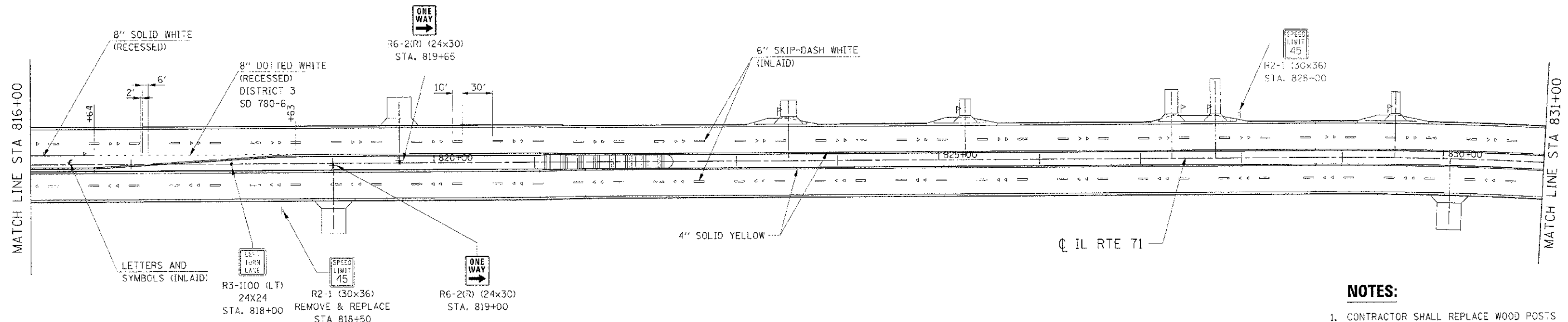
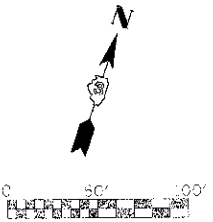
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SIGNING AND STRIPING PLAN
IL RTE 71
STA 801+00 TO STA 816+00

SCALE: 1"=50'
 DATE: 7/3/2012
 DRAWN BY:
 CHECKED BY: RG

IF PROJ. #599325
 FILE NAME: 7/3/2012
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1) R	KENDAL	514	349
STA. 816+00		TO STA. 831+00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



NOTES:

1. CONTRACTOR SHALL REPLACE WOOD POSTS FOR RELOCATED SIGNS AS DIRECTED BY THE ENGINEER.
2. ALL PERMANENT PAVEMENT MARKING SHALL BE URETHANE PAVEMENT MARKING, EXCEPT FOR THE 6" WHITE SKIP-DASHED LINE, 24" STOP BAR, LETTERS & SYMBOLS SHALL BE PREFORMED PLASTIC PAVEMENT MARKING, TYPE-B, INLAID.
3. LONGITUDINAL PAVEMENT MARKING SHALL FOLLOW PAVEMENT CONSTRUCTION JOINTS UNLESS OTHERWISE NOTED. (SEE JOINTING PLANS)
4. ALL UN-USED ROADWAY SIGNS ARE TO BE RETURNED TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION YORKVILLE MAINTENANCE FACILITY ON ILLINOIS ROUTE 47.
5. CONTRACTOR SHALL INSTALL 12"x12" SIGN BLOCK-OUTS AT ALL LOCATIONS WHERE SIGNS ARE IN A CONCRETE MEDIUM.

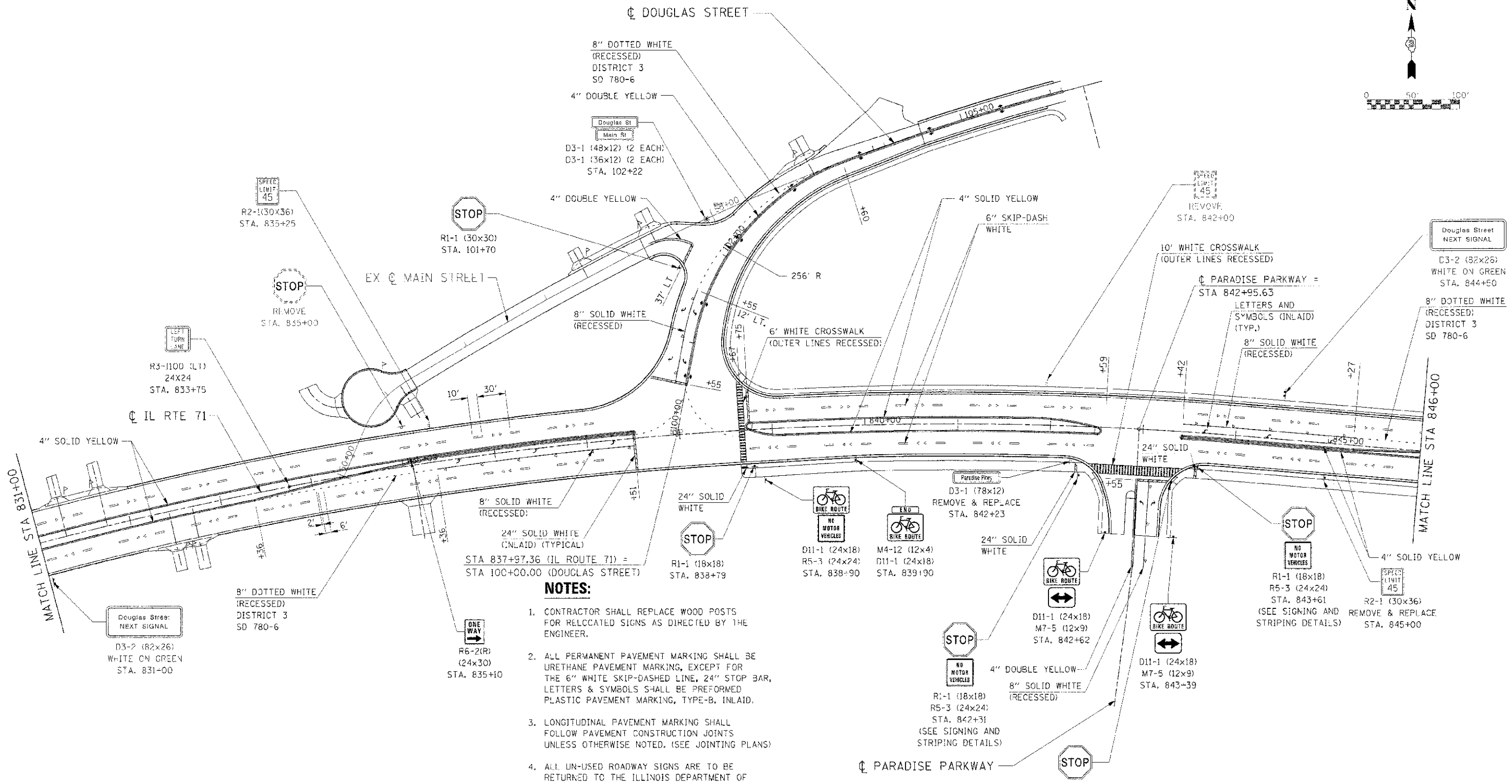
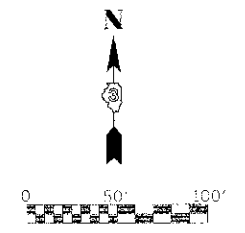
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SIGNING AND STRIPING PLAN
IL RTE 71
STA 816+00 TO STA 831+00

SCALE: 1"=50'
 DATE 7/3/2012
 DRAWN BY
 CHECKED BY RG

IE PROJ: 66420
 PLOT DATE: 7/3/2012
 FILE NAME: G:\66420\AL\001\71.PWA.SHT

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1) R	KENDALL	514	350
STA. 831+00 TO STA. 846+00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



- NOTES:**
1. CONTRACTOR SHALL REPLACE WOOD POSTS FOR RELOCATED SIGNS AS DIRECTED BY THE ENGINEER.
 2. ALL PERMANENT PAVEMENT MARKING SHALL BE URETHANE PAVEMENT MARKING, EXCEPT FOR THE 6" WHITE SKIP-DASHED LINE, 24" STOP BAR, LETTERS & SYMBOLS SHALL BE PREFORMED PLASTIC PAVEMENT MARKING, TYPE-B, INLAID.
 3. LONGITUDINAL PAVEMENT MARKING SHALL FOLLOW PAVEMENT CONSTRUCTION JOINTS UNLESS OTHERWISE NOTED. (SEE JOINTING PLANS)
 4. ALL UN-USED ROADWAY SIGNS ARE TO BE RETURNED TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION YORKVILLE MAINTENANCE FACILITY ON ILLINOIS ROUTE 47.
 5. CONTRACTOR SHALL INSTALL 12"x12" SIGN BLOCK-OUTS AT ALL LOCATIONS WHERE SIGNS ARE IN A CONCRETE MEDIAN.

REVISIONS	
NAME	DATE

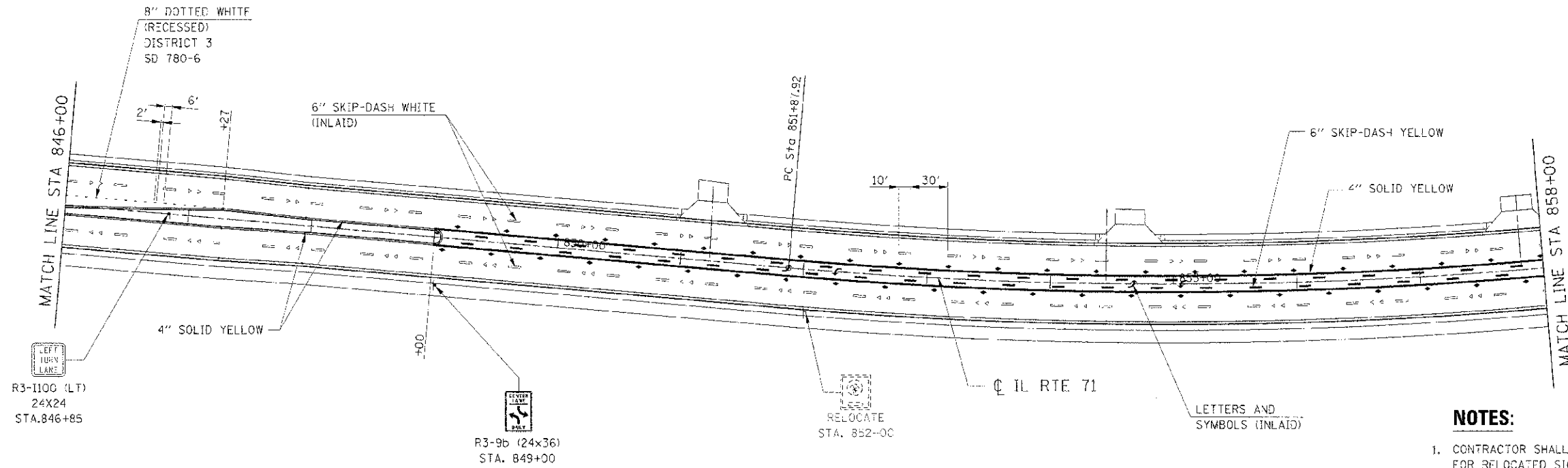
ILLINOIS DEPARTMENT OF TRANSPORTATION
SIGNING AND STRIPING PLAN
IL RTE 71
STA 831+00 TO STA 846+00

SCALE: 1"=50'
 DATE: 7/3/2012

DRAWN BY:
 CHECKED BY: RG

IE PROJ: 666625
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 FILE DATE: 7/3/2012

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-D) R	KENDALL	574	351
STA. 846+00		TO STA. 858+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



NOTES:

1. CONTRACTOR SHALL REPLACE WOOD POSTS FOR RELOCATED SIGNS AS DIRECTED BY THE ENGINEER.
2. ALL PERMANENT PAVEMENT MARKING SHALL BE URETHANE PAVEMENT MARKING, EXCEPT FOR THE 6" WHITE SKIP-DASHED LINE, 24" STOP BAR, LETTERS & SYMBOLS SHALL BE PERFORMED PLASTIC PAVEMENT MARKING, TYPE-G, INLAID.
3. LONGITUDINAL PAVEMENT MARKING SHALL FOLLOW PAVEMENT CONSTRUCTION JOINTS UNLESS OTHERWISE NOTED. (SEE JOINTING PLANS)
4. ALL UN-USED ROADWAY SIGNS ARE TO BE RETURNED TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION YORKVILLE MAINTENANCE FACILITY ON ILLINOIS ROUTE 47.
5. CONTRACTOR SHALL INSTALL 12"x12" SIGN BLOCK-OUTS AT ALL LOCATIONS WHERE SIGNS ARE IN A CONCRETE MEDIAN.

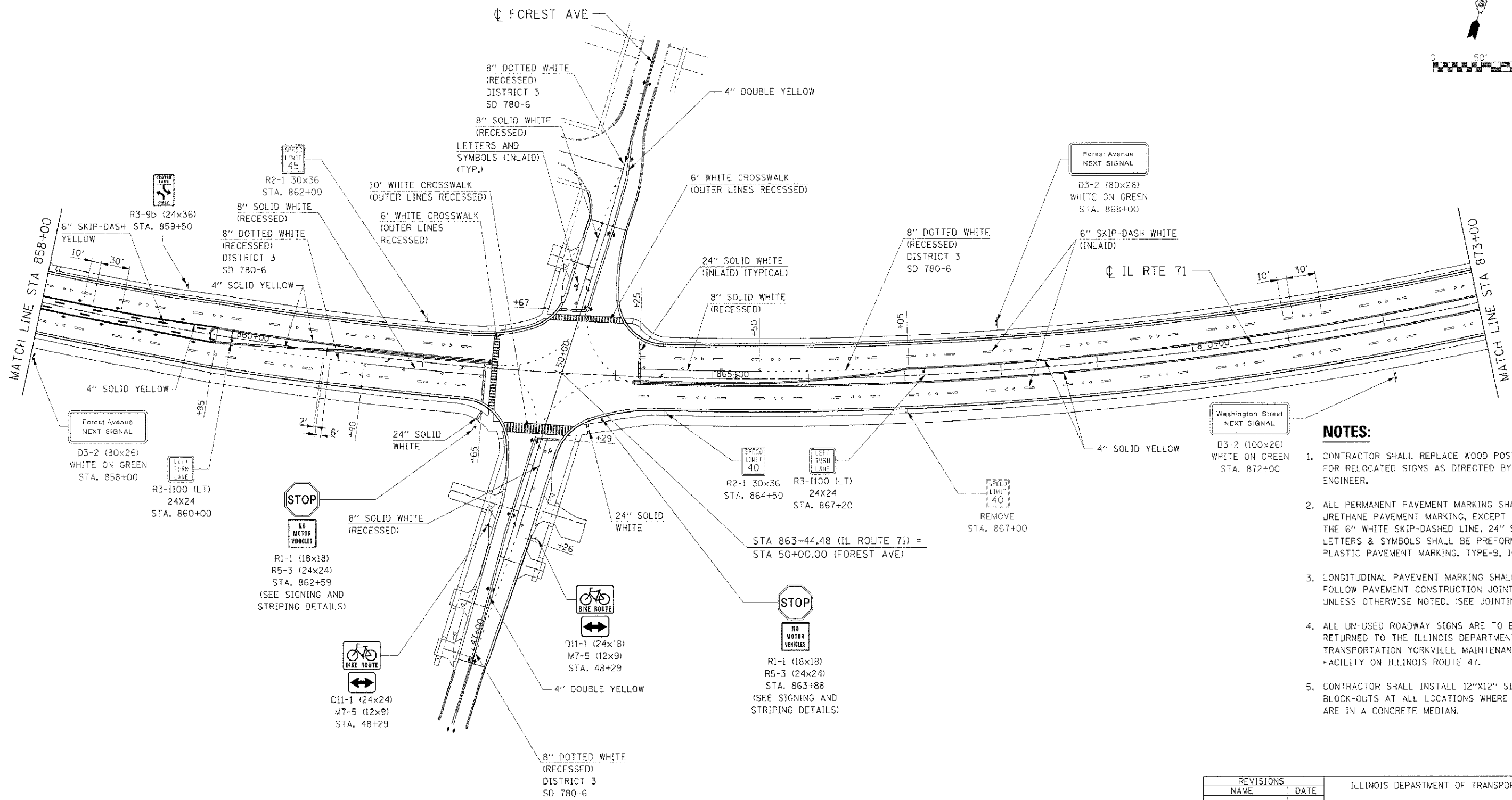
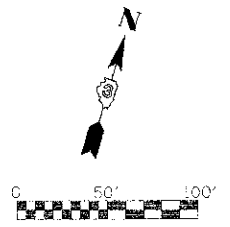
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SIGNING AND STRIPING PLAN
IL RTE 71
STA 846+00 TO STA 858+00

SCALE: 1"=50'
 DATE: 7/3/2012
 DRAWN BY:
 CHECKED BY: RG

IE PROJ: 66420
 PLOT DATE: 7/3/2012
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	11-11 R	KENDALL	514	352
STA. 858+00	TO STA. 873+00			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



- NOTES:**
1. CONTRACTOR SHALL REPLACE WOOD POSTS FOR RELOCATED SIGNS AS DIRECTED BY THE ENGINEER.
 2. ALL PERMANENT PAVEMENT MARKING SHALL BE JRETHANE PAVEMENT MARKING, EXCEPT FOR THE 6" WHITE SKIP-DASHED LINE, 24" STOP BAR, LETTERS & SYMBOLS SHALL BE PREFORMED PLASTIC PAVEMENT MARKING, TYPE-B, INLAID.
 3. LONGITUDINAL PAVEMENT MARKING SHALL FOLLOW PAVEMENT CONSTRUCTION JOINTS UNLESS OTHERWISE NOTED. (SEE JOINTING PLANS)
 4. ALL UN-USED ROADWAY SIGNS ARE TO BE RETURNED TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION YORKVILLE MAINTENANCE FACILITY ON ILLINOIS ROUTE 47.
 5. CONTRACTOR SHALL INSTALL 12"x12" SIGN BLOCK-OUTS AT ALL LOCATIONS WHERE SIGNS ARE IN A CONCRETE MEDIAN.

REVISIONS	
NAME	DATE

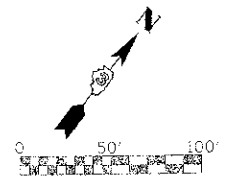
ILLINOIS DEPARTMENT OF TRANSPORTATION
SIGNING AND STRIPING PLAN
IL RTE 71
STA 858+00 TO STA 873+00

SCALE: 1"=50'
 DATE: 7/3/2012

DRAWN BY:
 CHECKED BY: RG

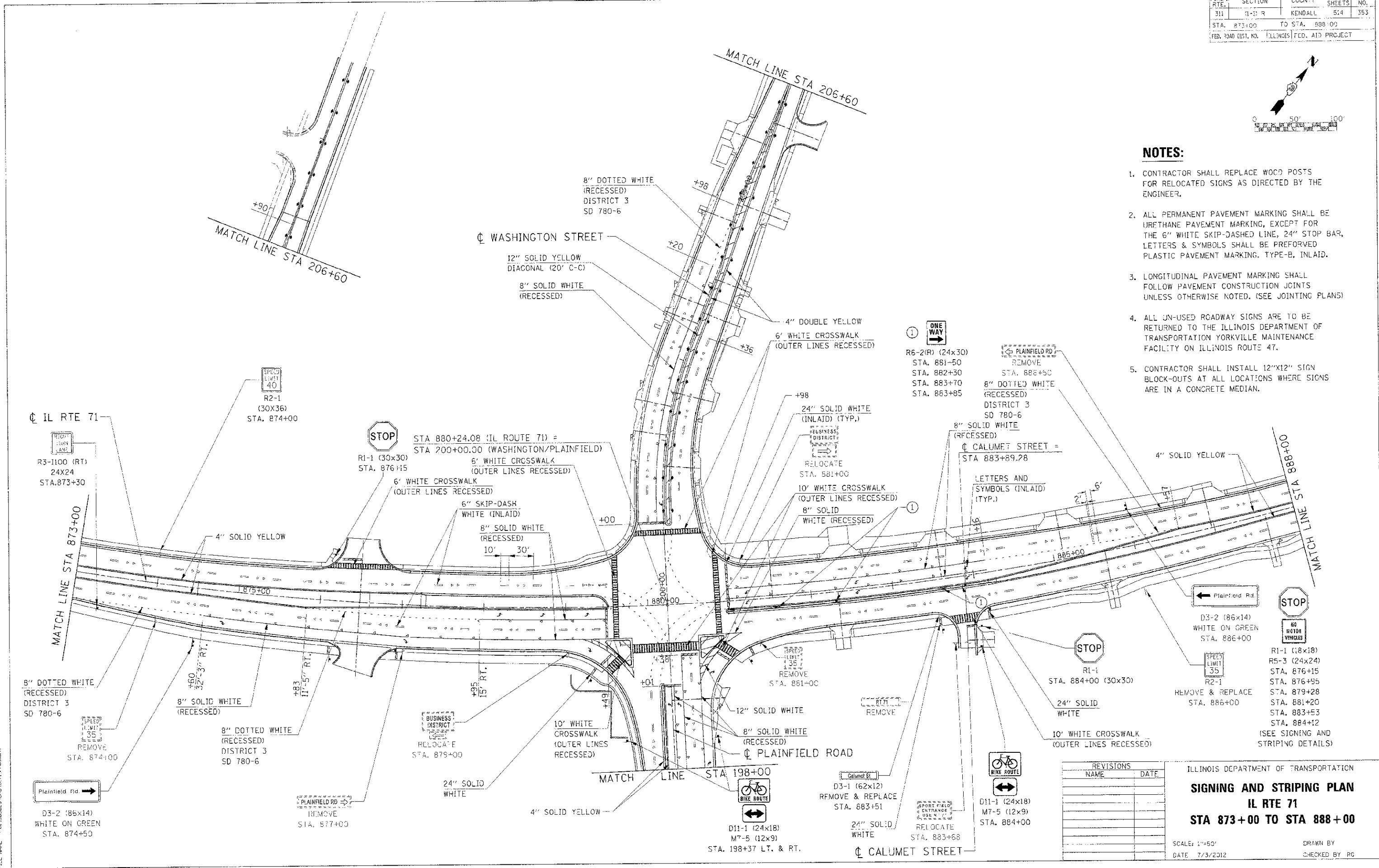
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	1-3 R	KENDALL	514	353
STA. 873+00		TO STA. 888+00		
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT



NOTES:

1. CONTRACTOR SHALL REPLACE WOOD POSTS FOR RELOCATED SIGNS AS DIRECTED BY THE ENGINEER.
2. ALL PERMANENT PAVEMENT MARKING SHALL BE URETHANE PAVEMENT MARKING, EXCEPT FOR THE 6" WHITE SKIP-DASHED LINE, 24" STOP BAR, LETTERS & SYMBOLS SHALL BE PREFORMED PLASTIC PAVEMENT MARKING, TYPE-B, INLAID.
3. LONGITUDINAL PAVEMENT MARKING SHALL FOLLOW PAVEMENT CONSTRUCTION JOINTS UNLESS OTHERWISE NOTED. (SEE JOINTING PLANS)
4. ALL UN-USED ROADWAY SIGNS ARE TO BE RETURNED TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION YORKVILLE MAINTENANCE FACILITY ON ILLINOIS ROUTE 47.
5. CONTRACTOR SHALL INSTALL 12"x12" SIGN BLOCK-OUTS AT ALL LOCATIONS WHERE SIGNS ARE IN A CONCRETE MEDIAN.



REVISIONS	
NAME	DATE

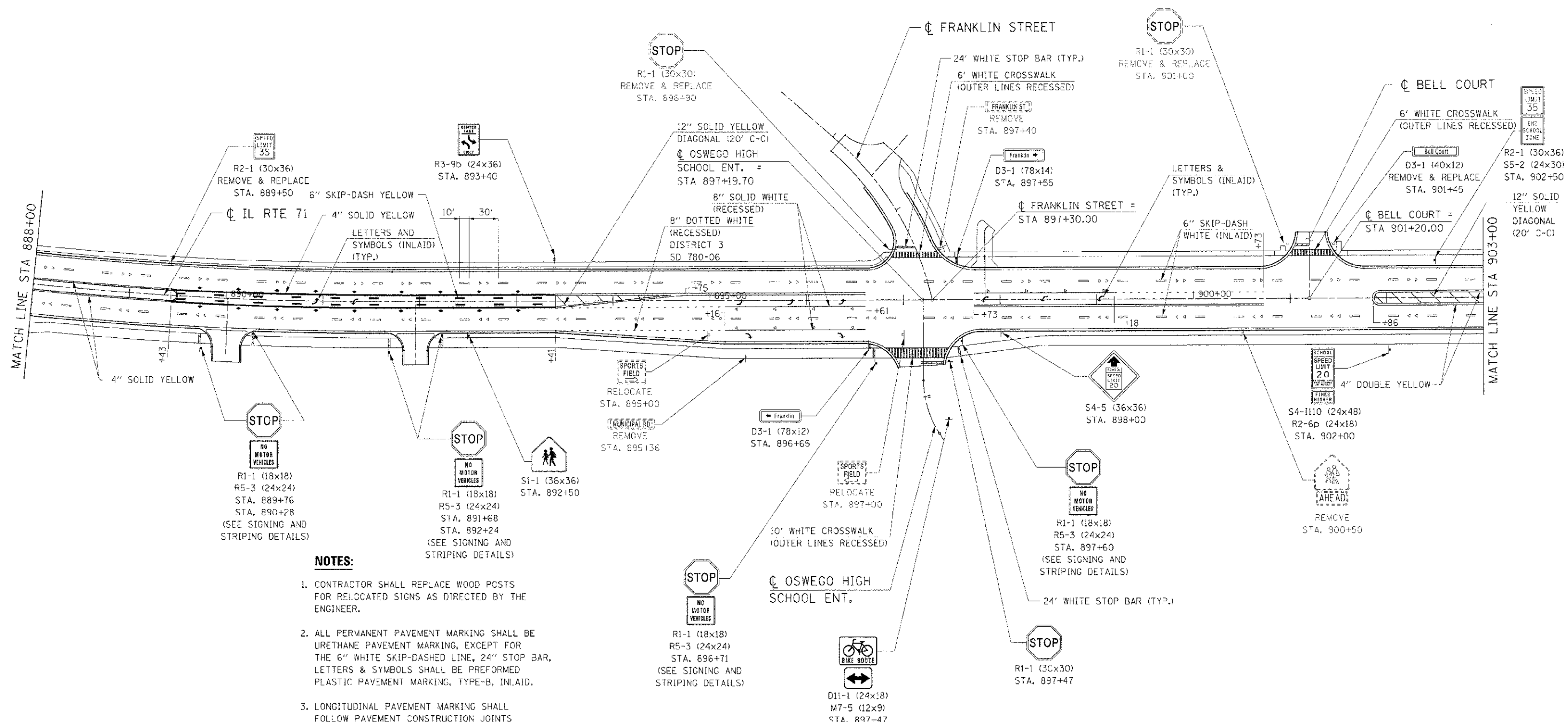
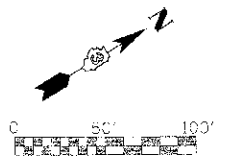
ILLINOIS DEPARTMENT OF TRANSPORTATION
SIGNING AND STRIPING PLAN
IL RTE 71
STA 873+00 TO STA 888+00

SCALE: 1"=50'
 DATE: 7/3/2012

DRAWN BY:
 CHECKED BY: PG

IFC PROJ: 66420-025
 PLOT DATE: 7/3/2012
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F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17E	(1-1) R	KENDALL	54	354
STA. 888+00	TO STA. 903+00			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



- NOTES:**
1. CONTRACTOR SHALL REPLACE WOOD POSTS FOR RELOCATED SIGNS AS DIRECTED BY THE ENGINEER.
 2. ALL PERMANENT PAVEMENT MARKING SHALL BE URETHANE PAVEMENT MARKING, EXCEPT FOR THE 6" WHITE SKIP-DASHED LINE, 24" STOP BAR, LETTERS & SYMBOLS SHALL BE PREFORMED PLASTIC PAVEMENT MARKING, TYPE-B, INLAID.
 3. LONGITUDINAL PAVEMENT MARKING SHALL FOLLOW PAVEMENT CONSTRUCTION JOINTS UNLESS OTHERWISE NOTED. (SEE JOINTING PLANS)
 4. SEE TRAFFIC SIGNAL PLANS FOR ADDITIONAL SIGN LOCATIONS AND QUANTITIES
 5. ALL UN-USED ROADWAY SIGNS ARE TO BE RETURNED TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION YORKVILLE MAINTENANCE FACILITY ON ILLINOIS ROUTE 47.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING AND STRIPING PLAN

IL RTE 71

STA 888+00 TO STA 903+00

SCALE: 1"=50'

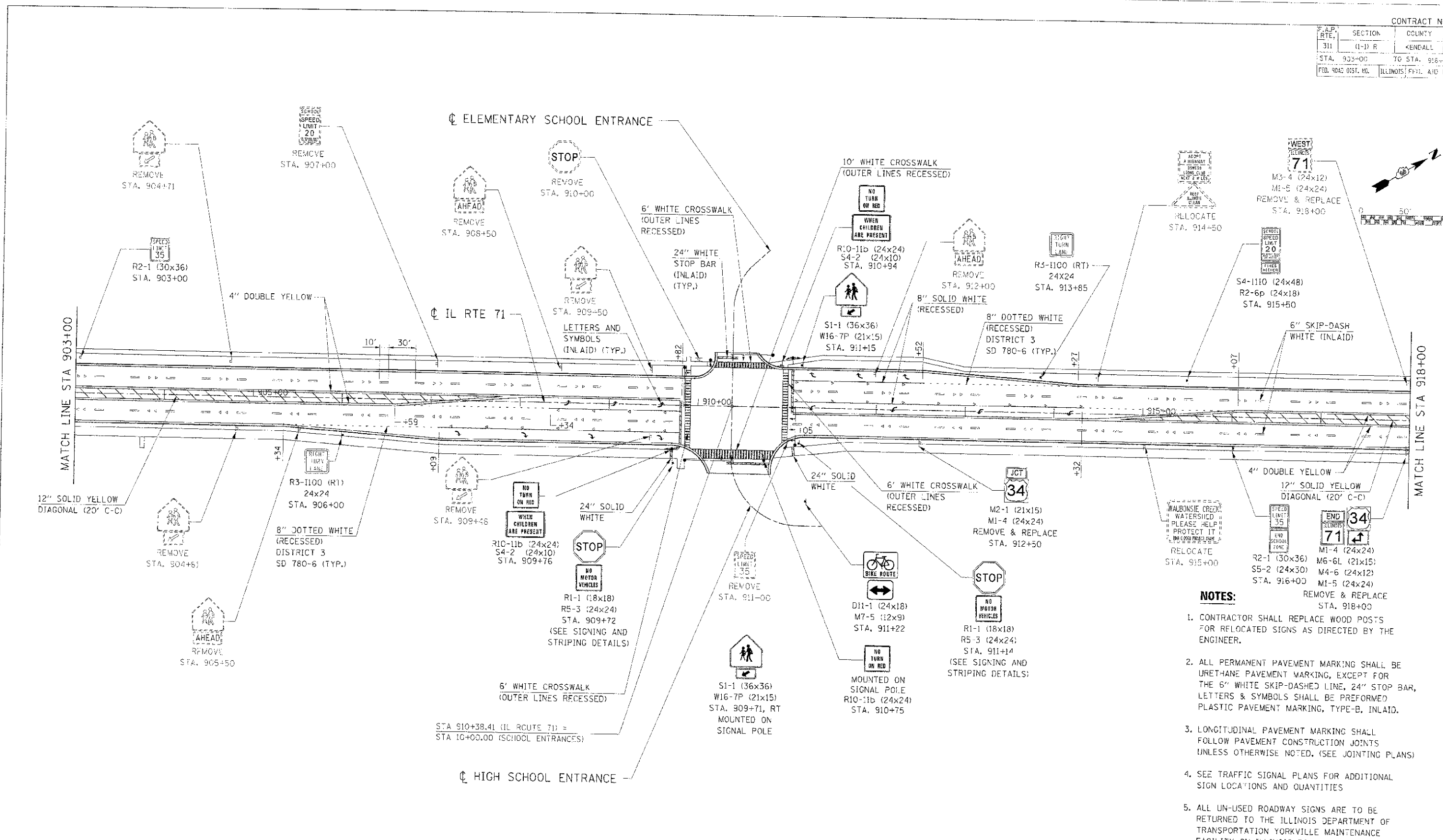
DATE 7/3/2012

DRAWN BY

CHECKED BY RD

IE CONSULTANTS, INC. 6420 SOUTH 6th STREET, SPRINGFIELD, ILLINOIS 62712, (217) 529-8027
 FILE NAME: G:\ASB6620\CAD\17_P\WPL171

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1) R	KENDALL	514	355
STA. 903+00		TO STA. 918+00		
FED. ROAD DIST. NO.		ILLINOIS FH-1, A10 PROJECT		



- NOTES:**
- CONTRACTOR SHALL REPLACE WOOD POSTS FOR RELOCATED SIGNS AS DIRECTED BY THE ENGINEER.
 - ALL PERMANENT PAVEMENT MARKING SHALL BE URETHANE PAVEMENT MARKING, EXCEPT FOR THE 6\"/>

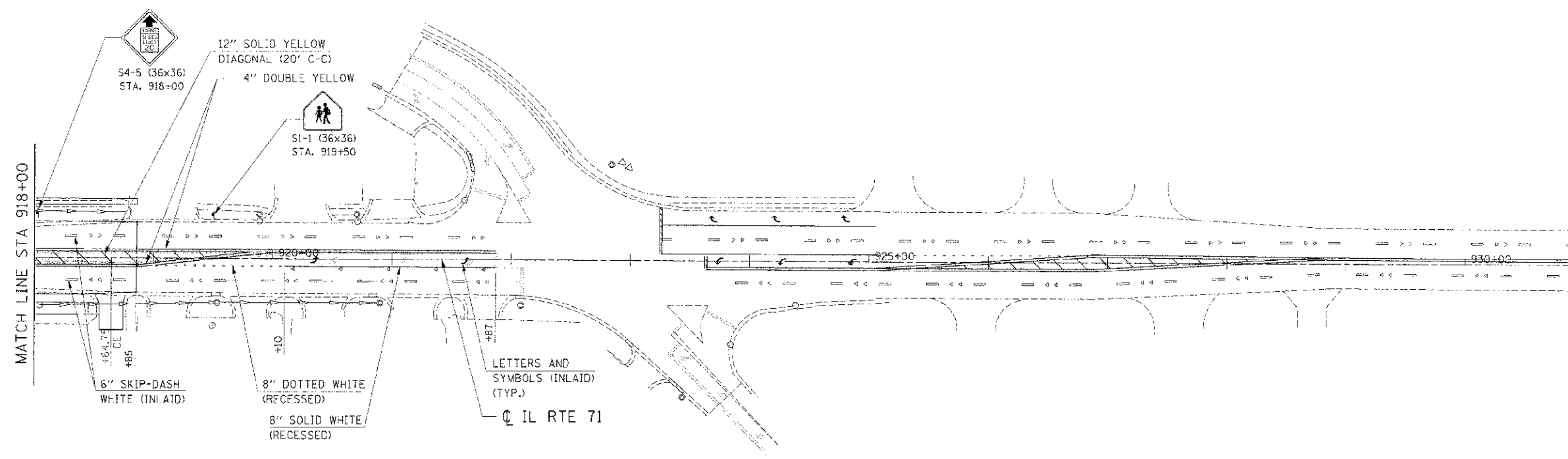
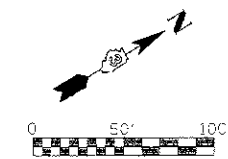
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SIGNING AND STRIPING PLAN
IL RTE 71
STA 903+00 TO STA 918+00

SCALE: 1"=50'
 DATE: 7/3/2012
 DRAWN BY: _____
 CHECKED BY: RG

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 PLOT DATE: 7/3/2012
 FILE NAME: 66420\71\71101.DWG

C.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
211	(1-1) R	KENDALL	514	356
STA. 918+00	TO STA.		921+00	
F.D. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



NOTES:

1. CONTRACTOR SHALL REPLACE WOOD POSTS FOR RELOCATED SIGNS AS DIRECTED BY THE ENGINEER.
2. ALL PERMANENT PAVEMENT MARKING SHALL BE URETHANE PAVEMENT MARKING, EXCEPT FOR THE 6" WHITE SKIP-DASHED LINE, 24" STOP BAR, LETTERS & SYMBOLS SHALL BE PREFORMED PLASTIC PAVEMENT MARKING, TYPE-B, INLAID.
3. LONGITUDINAL PAVEMENT MARKING SHALL FOLLOW PAVEMENT CONSTRUCTION JOINTS UNLESS OTHERWISE NOTED. (SEE JOINTING PLANS)

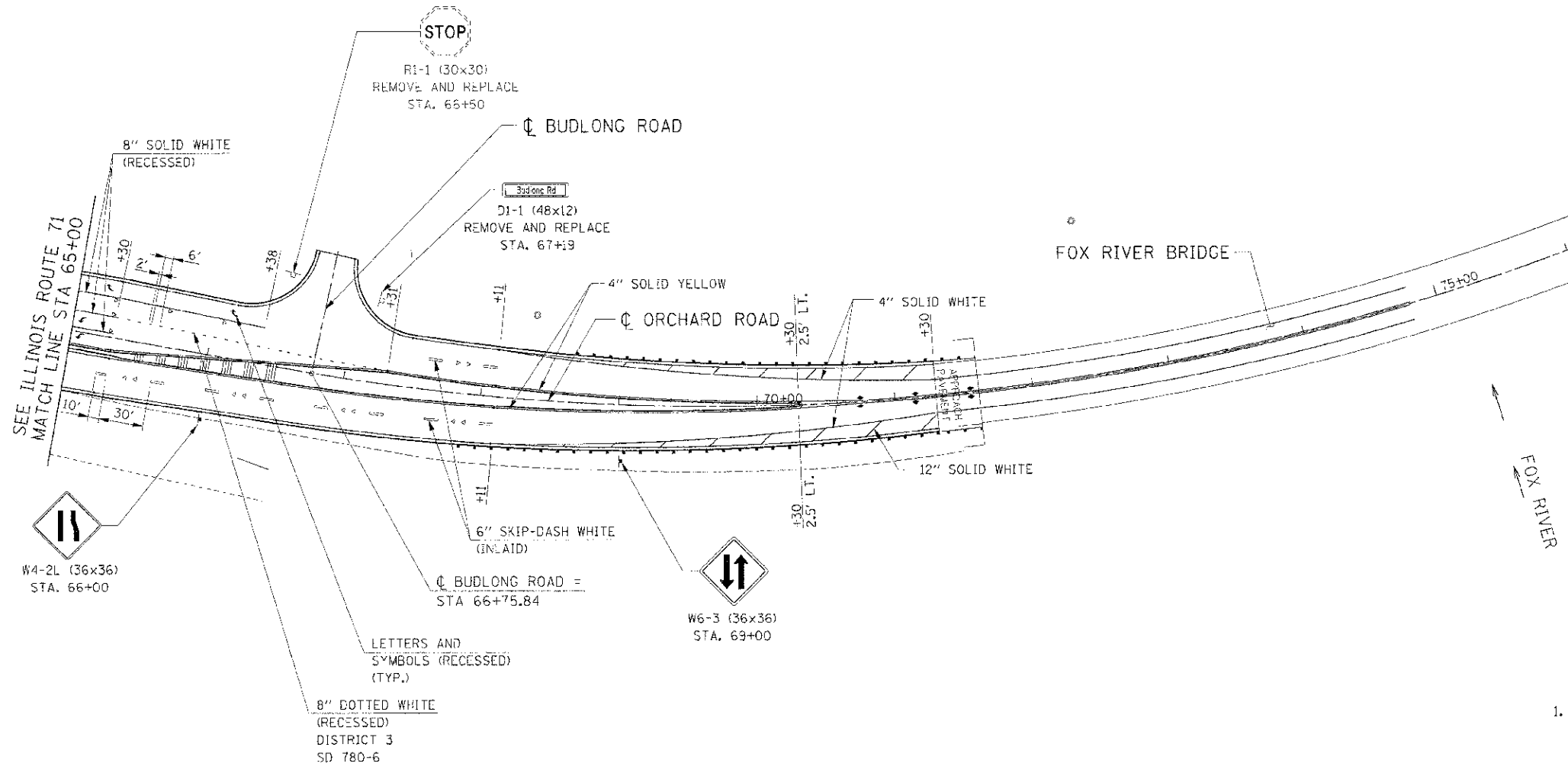
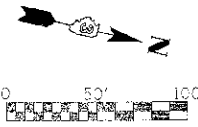
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SIGNING AND STRIPING PLAN
IL RTE 71
STA 918+00 TO STA 921+00

SCALE: 1"=50'
 DATE: 7/3/2012
 DRAWN BY:
 CHECKED BY: RG

IE PROJ: 66420
 PLOT DATE: 7/3/2012
 FILE NAME: G:\ASSETS\66420\IL RTE 71\PLANS\

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
311	(1-1) R	KENDALL	514 357
STA. 65+00	TO STA.	78+00	78+00
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	



NOTES:

1. CONTRACTOR SHALL REPLACE WOOD POSTS FOR RELOCATED SIGNS AS DIRECTED BY THE ENGINEER.
2. ALL PERMANENT PAVEMENT MARKING SHALL BE URETHANE PAVEMENT MARKING, EXCEPT FOR THE 6" WHITE SKIP-DASHED LINE SHALL BE PREFORMED PLASTIC PAVEMENT MARKING, TYPE-B, INLAID.
3. LONGITUDINAL PAVEMENT MARKING SHALL FOLLOW PAVEMENT CONSTRUCTION JOINTS UNLESS OTHERWISE NOTED. (SEE JOINTING PLANS)

REVISIONS	
NAME	DATE

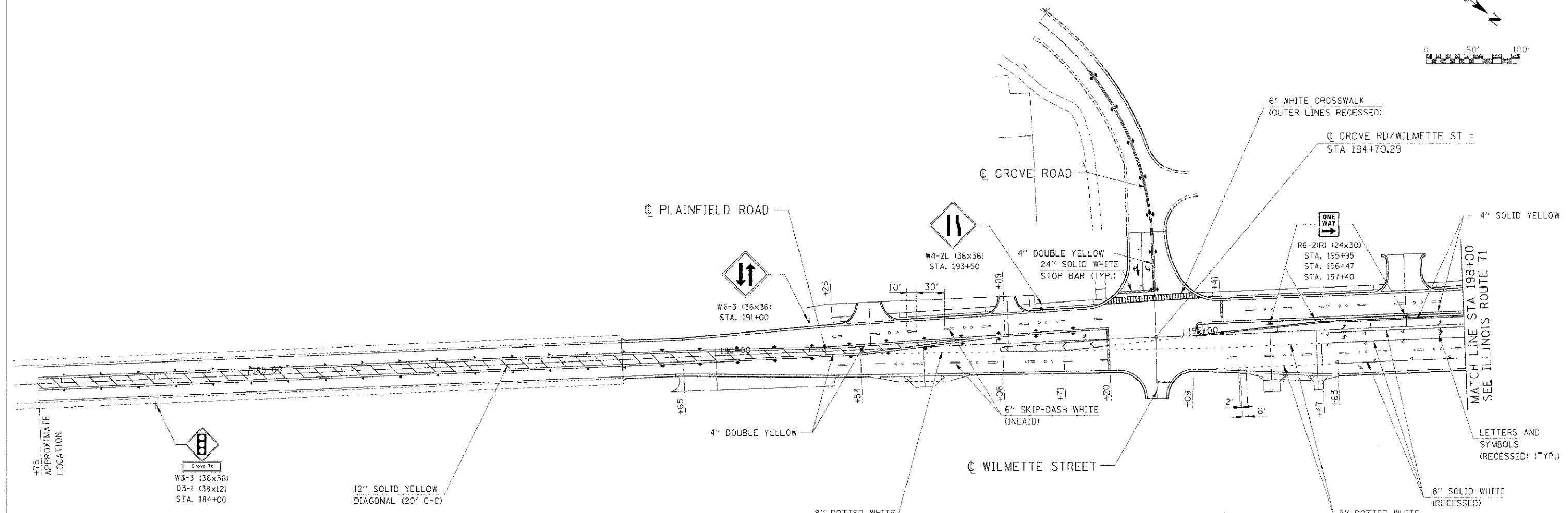
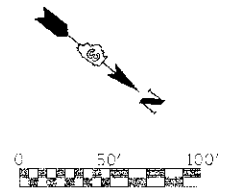
ILLINOIS DEPARTMENT OF TRANSPORTATION
SIGNING AND STRIPING PLAN
ORCHARD ROAD
STA 65+00 TO STA 78+00

SCALE: 1"=50'
 DATE: 7/3/2012

DRAWN BY:
 CHECKED BY: RG

IE PROJ. #095005
 DATE: 7/3/2012
 FILE NAME: G:\S2626\CD\01\11230.DWG

F.A.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	11-1: R	KENDALL	514	358
STA. 188+00		TO STA.	198+25	
REG. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



NOTES:

1. CONTRACTOR SHALL REPLACE WOOD POSTS FOR RELOCATED SIGNS AS DIRECTED BY THE ENGINEER.
2. ALL PERMANENT PAVEMENT MARKING SHALL BE URETHANE PAVEMENT MARKING, EXCEPT FOR THE 6" WHITE SKIP-DASHED LINE SHALL BE PREFORMED PLASTIC PAVEMENT MARKING, TYPE-B, INLAID.
3. LONGITUDINAL PAVEMENT MARKING SHALL FOLLOW PAVEMENT CONSTRUCTION JOINTS UNLESS OTHERWISE NOTED. (SEE JOINTING PLANS)
4. ALL UN-USED ROADWAY SIGNS ARE TO BE RETURNED TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION YORKVILLE MAINTENANCE FACILITY ON ILLINOIS ROUTE 47.
5. CONTRACTOR SHALL INSTALL 12"x12" SIGN BLOCK-OUTS AT ALL LOCATIONS WHERE SIGNS ARE IN A CONCRETE MEDIAN.

REVISIONS	
NAME	DATE

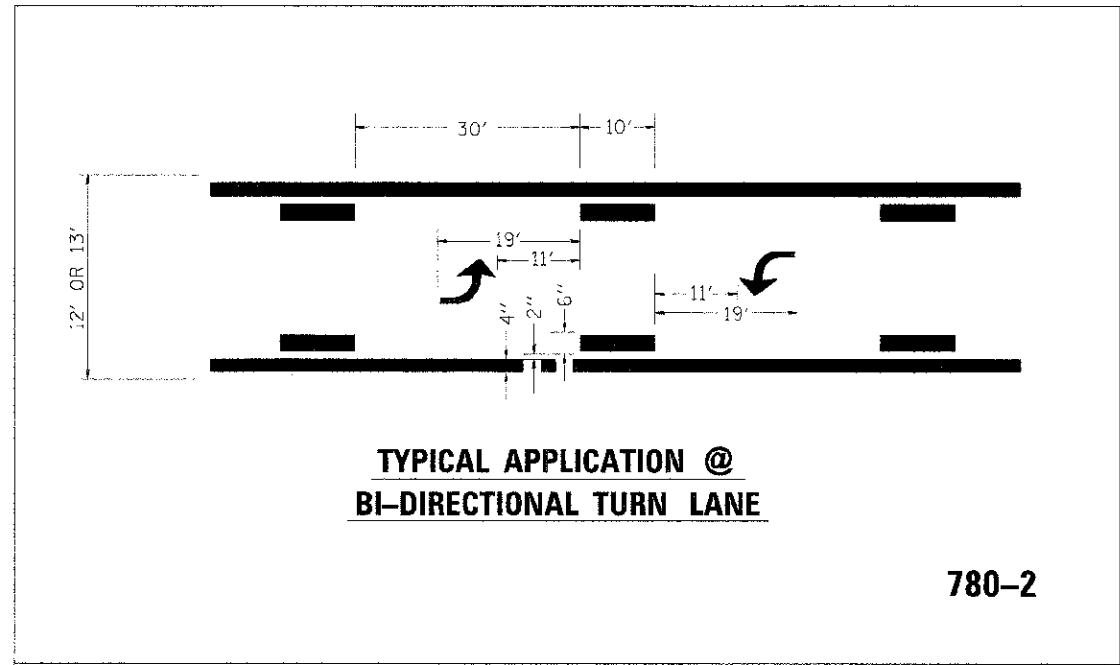
ILLINOIS DEPARTMENT OF TRANSPORTATION
SIGNING AND STRIPING PLAN
PLAINFIELD ROAD
STA 188+00 TO STA 198+00

SCALE: 1"=50'
 DATE: 7/3/2012

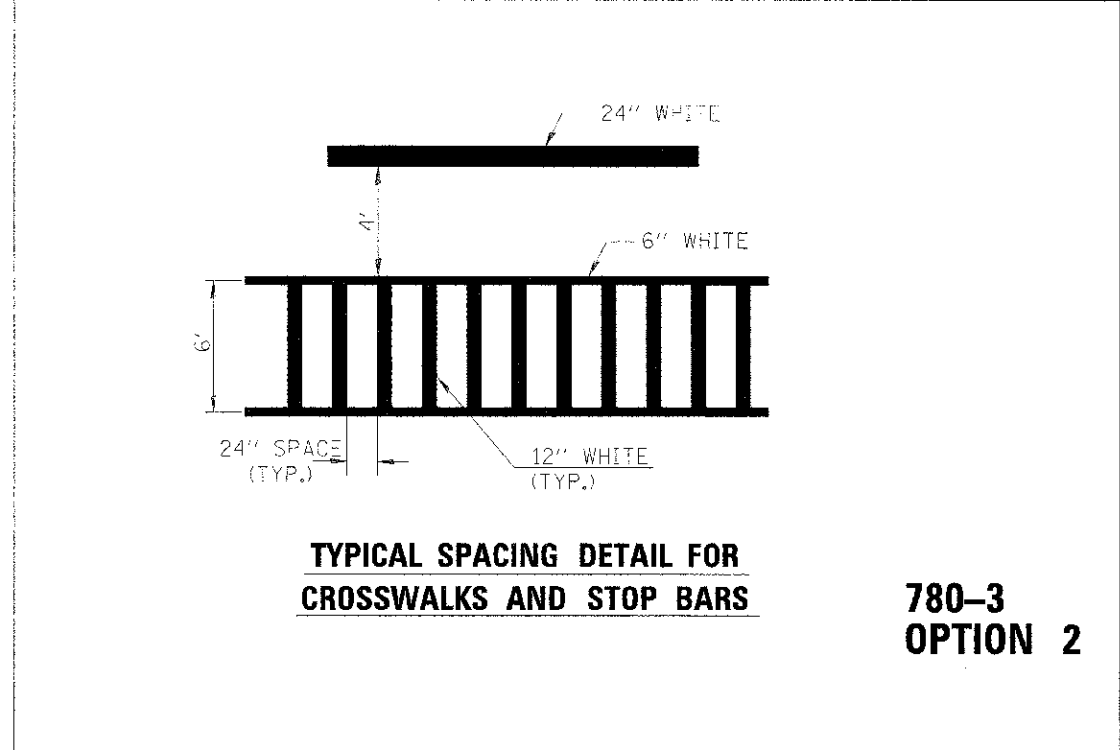
DRAWN BY: _____
 CHECKED BY: RG

BE PROJ. SURVIZ
 FILE NAME: 7/3/2012
 FILE NAME: 66420B01A.CAD/PL71.PW21.DWT

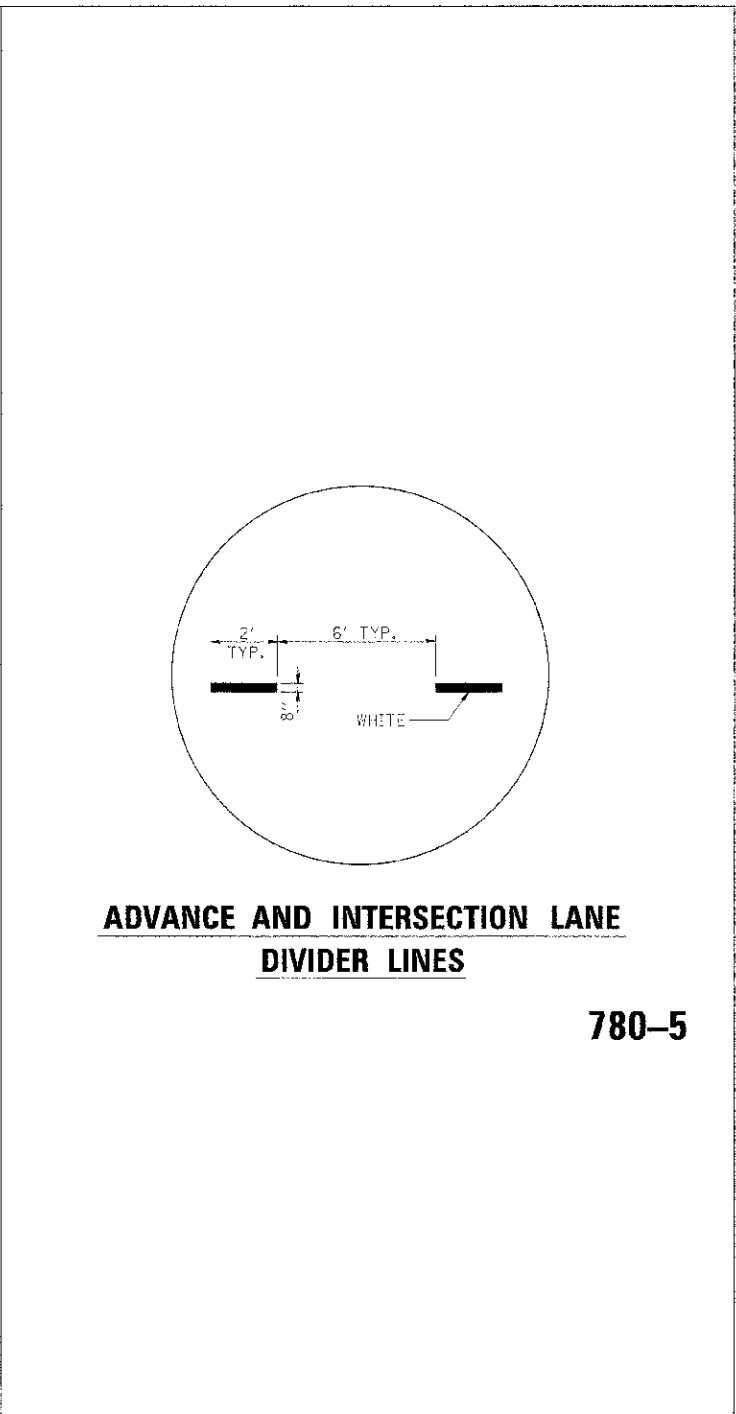
F.A.P. RFE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1) R	KENDALL	514	359
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



780-2



**780-3
OPTION 2**



780-5

IE 03031-0000025
 PLOT DATE 7/24/2012
 FILE NAME I:\AS\66420\CAD\171.PK DETAIL.DWG

REVISIONS	
NAME	DATE

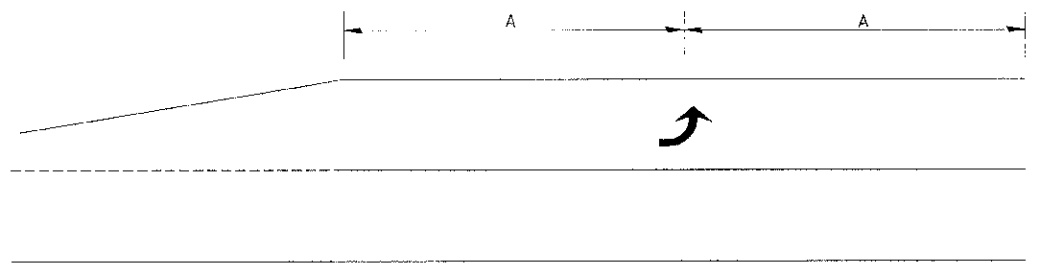
ILLINOIS DEPARTMENT OF TRANSPORTATION

**SIGNING AND STRIPING
DETAILS**

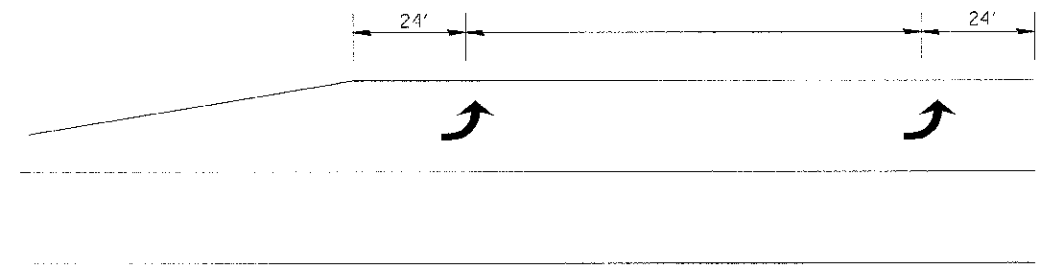
SCALE: NONE
DATE: 7/25/2012

DRAWN BY: JLB
CHECKED BY: RC

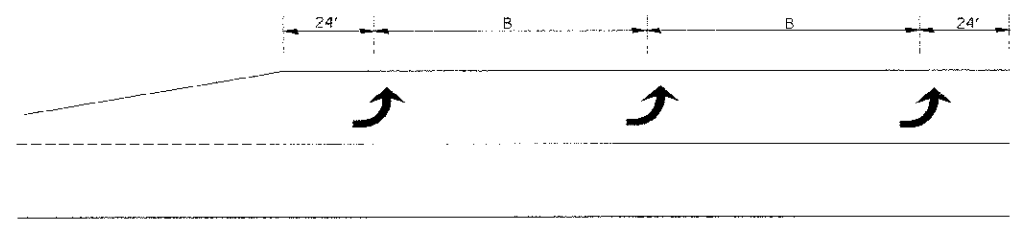
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3:1	11-11 R	KENDALL	514	360
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



99' AND UNDER



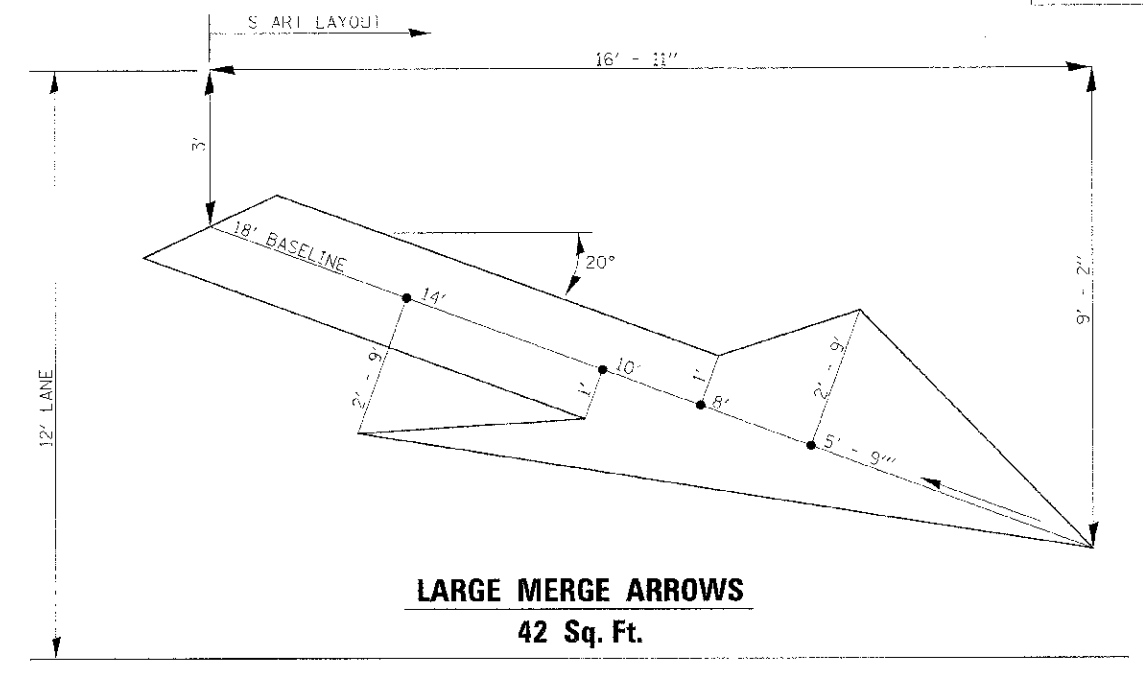
100' TO 149'



150' AND LONGER

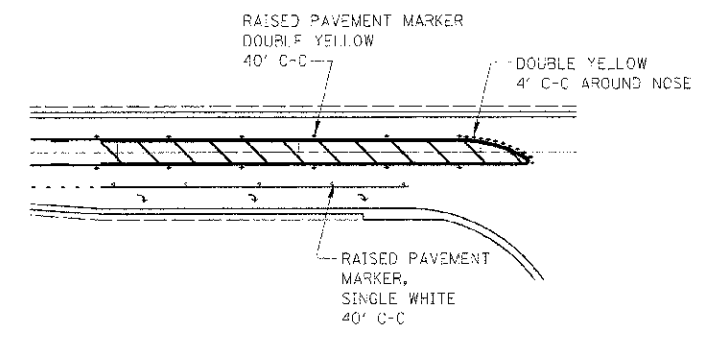
**TYPICAL PLACEMENT OF ARROWS
IN TURN LANES**

780-10



**LARGE MERGE ARROWS
42 Sq. Ft.**

780-17



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

781-1

IE PROJ. 583025
PLOT DATE 7/3/2012
FILE NAME I:\583025\CAD\11-71.PM OCT02.2017

REVISIONS	
NAME	DATE

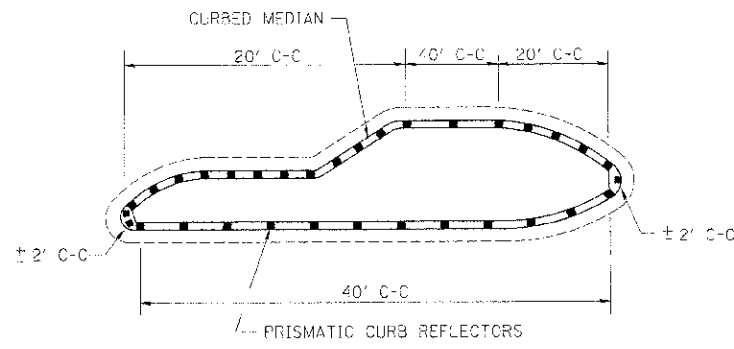
ILLINOIS DEPARTMENT OF TRANSPORTATION

**SIGNING AND STRIPING
DETAILS**

SCALE: DATE 7/3/2012

DRAWN BY JLB
CHECKED BY RG

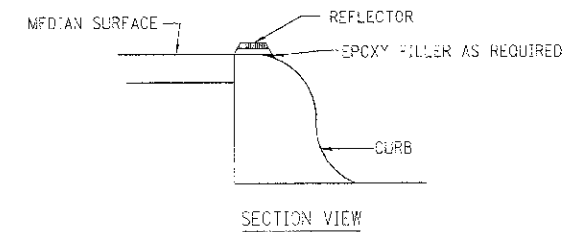
F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-D) R	KENDAL	514	361
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



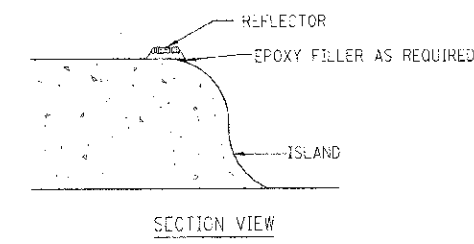
1. PRISMATIC REFLECTORS SHALL BE BI-DIRECTIONAL.
2. PRISMATIC REFLECTORS SHALL BE SECURED IN PLACE WITH AN EPOXY ADHESIVE.
3. PRISMATIC REFLECTORS SHALL BE AMBER IN COLOR.

PRISMATIC CURB REFLECTORS AT CURB MEDIANS

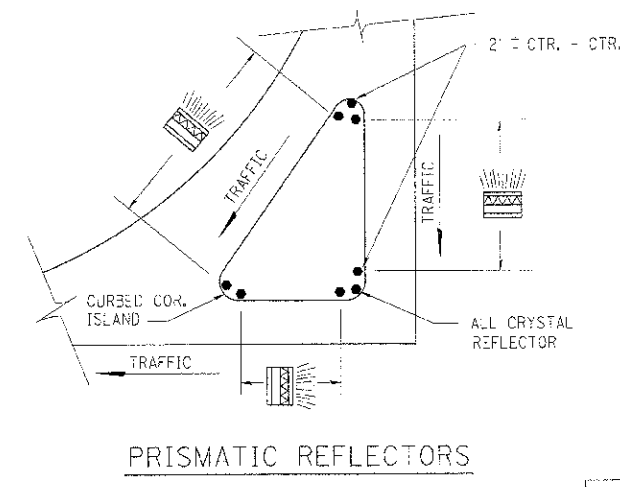
782-1



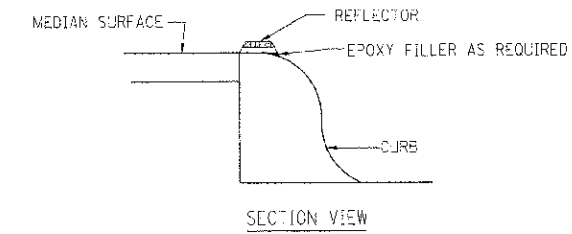
OPTION 1



OPTION 2



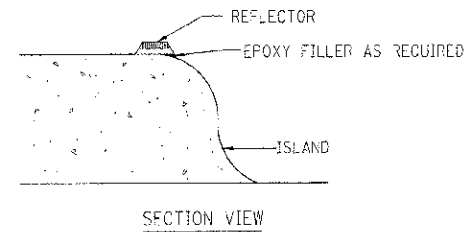
782-2



NOTES

1. PRISMATIC REFLECTORS SHALL BE MONO-DIRECTIONAL AND POSITIONED SO THAT THE REFLECTIVE FACE IS FACING THE APPROACHING TRAFFIC.
2. PRISMATIC REFLECTORS SHALL BE SECURED IN PLACE WITH AN EPOXY ADHESIVE.
3. PRISMATIC REFLECTORS SHALL BE EITHER AMBER OR CRYSTAL IN COLOR.

OPTION 1



NOTES

1. PRISMATIC REFLECTORS SHALL BE MONO-DIRECTIONAL AND POSITIONED SO THAT THE REFLECTIVE FACE IS FACING THE APPROACHING TRAFFIC.
2. PRISMATIC REFLECTORS SHALL BE SECURED IN PLACE WITH AN EPOXY ADHESIVE.
3. PRISMATIC REFLECTORS SHALL BE EITHER AMBER OR CRYSTAL IN COLOR.

OPTION 2

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING AND STRIPING DETAILS

SCALE: _____

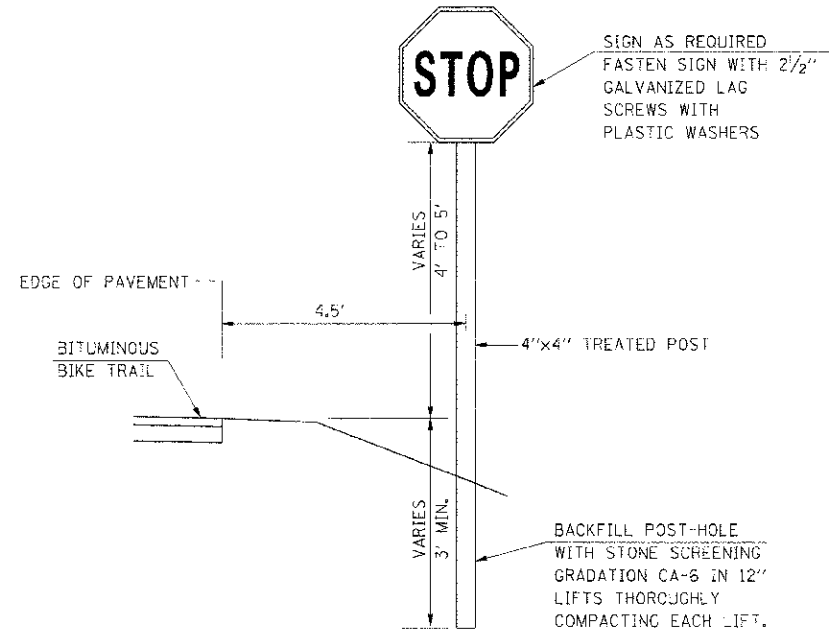
DATE: 7/3/2012

DRAWN BY: JIB

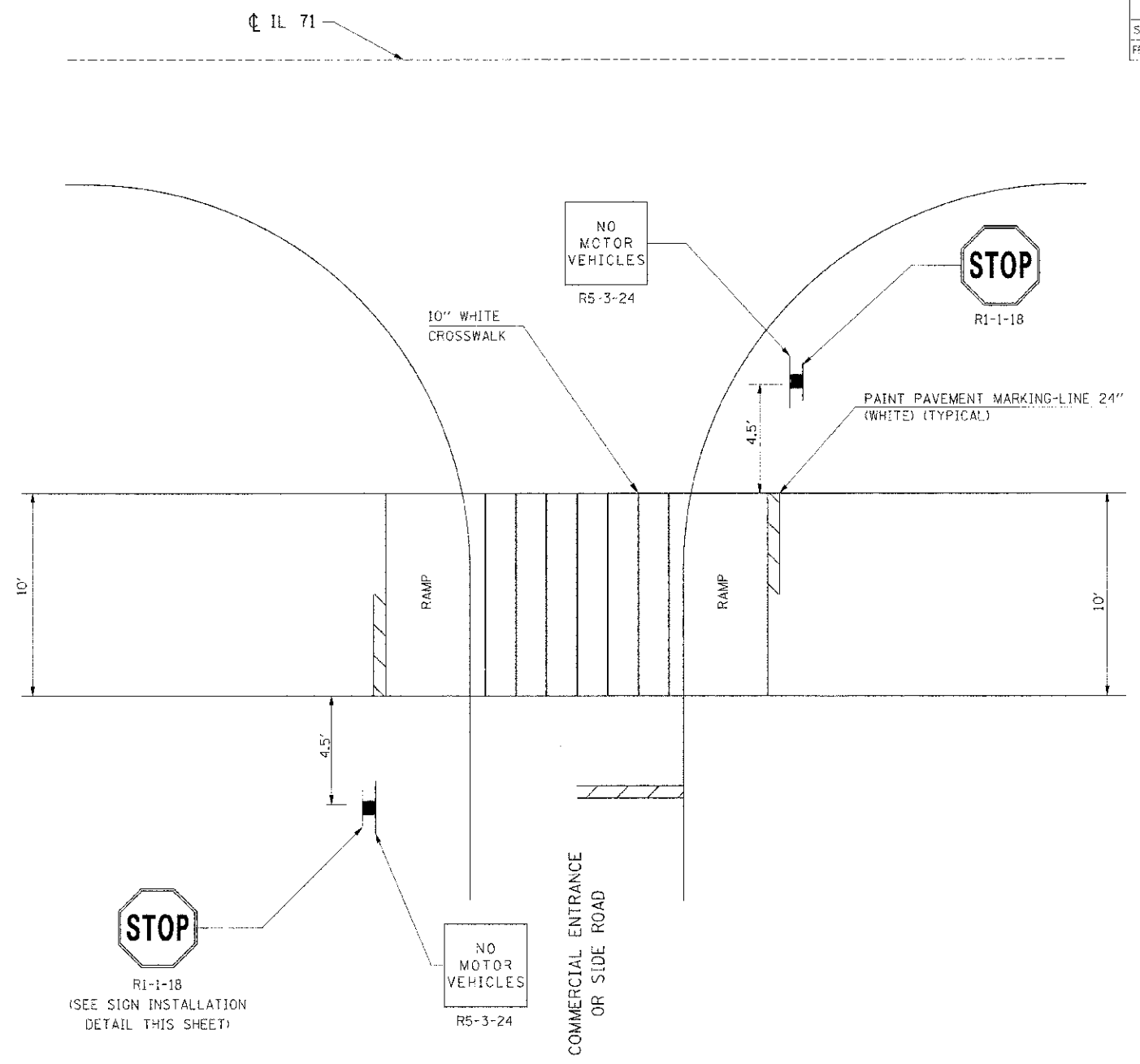
CHECKED BY: RC

IE PROJ: S910/25
 PLOT DATE: 7/3/2012
 FILE NAME: G:\S910\25\CAD\17L\PI\DT08.SHT

F.A.P. RTEL	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	11-11 R	KENDALL	524	362
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TYPICAL SIGN INSTALLATION
NOT TO SCALE



SHARED USE PATH AT COMMERCIAL ENTRANCE OR SIDE ROAD CROSSING DETAIL
NOT TO SCALE

IE PROJ: 608025
 PLOT DATE: 7/3/2012
 FILE NAME: G:\608025\DRAWING\11\11M_0676A.SHT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING AND STRIPING DETAILS

SCALE: 1"=50'

DATE: 7/3/2012

DRAWN BY: _____

CHECKED BY: RG

F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R	KENDALL	514	363
STA.	TO STA.			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

GENERAL NOTES FOR TRAFFIC SIGNALS

- THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION. (I.U.L.I.E. 800-892-0123) A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS.
- ALL WORK PERFORMED RELATIVE TO THIS IMPROVEMENT SHALL COMPLY WITH ALL APPLICABLE RULES AND REGULATIONS OF O.S.A.A.
- 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.
- 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.
- 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.
- ALL TRAFFIC SIGNAL HEADS SHALL BE 12-INCH POLYCARBONATE.
- 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.
- 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.
- 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.
- 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.
- NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT A GREATER THAN 2' MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
- ALL MAST ARM MOUNTED SIGNAL HEADS ON AN INDIVIDUAL MAST ARM SHALL BE MOUNTED SO THAT THE RED INDICATIONS ARE LEVEL WITH EACH OTHER.
- THE ELECTRICAL CONDUCTORS FOR ALL TRAFFIC SIGNAL HEADS SHALL BE SOLID, SOFT COPPER.
- DETECTOR LOOP INSTALLATION SHALL BE COMPLETED AFTER PLACEMENT OF THE LEVELING BINDER AND PRIOR TO THE PLACEMENT OF THE SURFACE COURSE.
- 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 HARDWARE SHALL BE TIGHTENED AND WELL SECURED. CABLES SHALL BE NEATLY WOUND IN HANDHOLES. CABLES SHALL BE NEATLY TRAINED IN THE CONTROLLER CABINET.
- ALL SIGNAL BASES SHALL BE LOCATED A MINIMUM OF 6' FROM THE FACE OF CURB UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- ALL TRAFFIC SIGNAL WIRING SHALL EXTEND FROM CONTROLLER TO SIGNAL. SPLICES IN JUNCTION BOXES WILL NOT BE ALLOWED.
- DETECTOR LOOPS IN THE SAME LANE SHALL BE WOUND CLOCKWISE AND COUNTERCLOCKWISE IN ALTERNATING ORDER. LOOPS IN ADJACENT LANES SHALL BE WOUND ALL THE SAME.
- 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 PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET SHALL BE FURNISHED WITH A MANUAL CONTROL SWITCH AND MANUAL CONTROL CHORD WITHIN THE POICE DOOR COMPARTMENT. THIS WORK SHALL BE INCLUDED IN THE COST OF THE CONTROLLER CABINET PAY ITEM.
- THE CONTRACTOR SHALL PROVIDE A SELF-ADHERED PHASE DIAGRAM ON THE INSIDE OF THE CONTROLLER CABINET DOOR.
- 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.
- ALL DETECTOR LOOP AMPLIFIERS SHALL BE CARD RACK MOUNTED AND FURNISHED WITH PLASTIC TAGS LABELED WITH RESPECTIVE PHASES AND DIRECTION AS LISTED IN THE DETECTOR LOOP CHART. A MINIMUM TAG SIZE OF 3/8" X 3/4" IS REQUIRED. TAGS SHALL BE MADE OF MATERIAL THAT DOES NOT ALLOW WRITING TO FADE OVER TIME.
- THE LENGTH OF DETECTOR LOOP CABLE FROM THE CURB TO THE JUNCTION BOX OR HANDHOLE IS INCLUDED IN THE DETECTOR LOOP PAY ITEM.
- BACKPLATES SHALL BE POLYCARBONATE WITH DEEP BACK FLANGE.
- DOUBLE HANDHOLES SHALL BE FURNISHED WITH RECESSED, INTEGRAL HINGED LIDS.
- THE ELEVATION OF THE TOP OF THE DOUBLE HANDHOLE SHALL BE LESS THAN THE ELEVATION OF THE TOP OF THE CONTROLLER FOUNDATION.
- ALL GROUNDING MATERIALS FOR THE TRAFFIC SIGNAL CONCRETE FOUNDATIONS SHALL REFER TO SECTION 806 OF THE STANDARD SPECIFICATIONS.
- 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.
- AT ALL LOCATIONS WHERE DETECTOR LOOPS ARE TO BE INSTALLED OVER EXISTING DETECTOR LOOPS, THE CONTRACTOR SHALL BE REQUIRED TO MAKE TWO SEPARATE SAW CUTS THROUGH EACH EXISTING DETECTOR LOOP TO PREVENT THE POSSIBILITY OF THE EXISTING LOOP SHORTING TO CREATE A CLOSED CIRCUIT. THIS WORK SHALL BE INCIDENTAL TO THE DETECTOR LOOP PAY ITEM.

- THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. INCIDENTAL TO THE CONDUIT PAY ITEM.
- LIGHT FIXTURES ARE TO BE 250 WATT OR 400 WATT HIGH PRESSURE SODIUM.
- ALL TRAFFIC SIGNAL CONTROL EQUIPMENT SHALL BE ECONOLITE.
- ALL PUSHBUTTONS SHALL BE THE CAMPBELL COMPANY 4EVR PUSHBUTTONS.
- THE CONTRACTOR SHALL CONTACT WARREN NORRIS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION (815-434-8506) 72 HOURS PRIOR TO LOOP DETECTOR PLACEMENT SO THAT HE MAY BE PRESENT WHEN THEY ARE LAID OUT.
- ALL UNINTERRUPTIBLE POWER SUPPLIES SHALL BE EQUIPPED WITH ALPHA GUARD MONITORS.
- 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.
- THE FIBER OPTIC CABLE SHALL BE LABELED WITH DIRECTION AND ASSIGNMENT NUMBER.
- THE SURGE PROTECTOR IN THE CONTROLLER CABINET SHALL HAVE AN INDICATOR LIGHT.
- 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.
- AT LOCATIONS WHERE NEW TRAFFIC SIGNALS ARE BEING PLACED WHERE SIGNALS WERE NOT PREVIOUSLY PRESENT, CHANGEABLE MESSAGE SIGNS ARE REQUIRED FOR BOTH DIRECTIONS. ONE WEEK PRIOR TO TURN-ON, THE MESSAGE SHOULD READ "NEW SIGNAL AHEAD/TURN ON DATE." FOR THREE WEEKS AFTER THE MESSAGE SHOULD READ "NEW SIGNAL AHEAD/BE PREPARED TO STOP."

NOTES FOR TEMPORARY TRAFFIC SIGNALS

- ALL CONTROL EQUIPMENT FOR THE TEMPORARY TRAFFIC SIGNALS SHALL BE FURNISHED BY THE CONTRACTOR UNLESS OTHERWISE STATED IN 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.
- ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED INSTALLED IN CABINETS WITH 8 PHASE BACK PANELS, CAPABLE OF SUPPLYING 255 SECONDS OF CYCLE LENGTH AND INDIVIDUAL PHASE LENGTH AND INDIVIDUAL PHASE LENGTH SETTINGS UP TO 99 SECONDS.
- 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.
- ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE OF THE 12 INCH TYPE. THE TEMPORARY TRAFFIC SIGNAL HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. 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.
- ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED, AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE.
- ALL LABOR AND MATERIAL REQUIRED TO COMPLY WITH THESE REQUIREMENTS SHALL BE CONSIDERED AS INCLUDED IN THE COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION.
- ALL SIGNAL HEADS ON AN INDIVIDUAL SPAN WIRE SHALL BE MOUNTED SO THAT THE "RED" INDICATIONS ARE LEVEL WITH EACH OTHER.
- THE CONTRACTOR SHALL PROVIDE 3 FEET OF SLACK CABLE IN THE CONTROLLER AND WOOD POLES. THE SLACK IS IN ADDITION TO THE VERTICAL LENGTH OF CABLE DEFINED IN THE STANDARD SPECIFICATIONS.
- 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.
- ALL TEMPORARY WOOD POLES SHALL BE INSTALLED SO THAT A MINIMUM OF 30' 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 70 M.P.H. SUSTAINED WIND LOADING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING THE WOOD POLE LOCATIONS BEFORE ORDERING TO DETERMINE IF LONGER POLES ARE REQUIRED.
- THE CONTRACTOR SHALL PLACE ADDITIONAL POLES IF NEEDED TO KEEP TEMPORARY SIGNALS IN FRONT OF PROPOSED MAST ARMS.
- THE CONTRACTOR SHALL MOVE SIGNAL HEADS DURING EACH STAGE OF CONSTRUCTION.
- INSTALL SIGNAL HEADS ON THE PROPOSED MAST ARMS IN THE LATE STAGES OF CONSTRUCTION.
- THE CONTRACTOR SHALL CONTACT THE SIGNAL SECTION AT IDOT 1-815-434-8506 BEFORE INSTALLING THE TEMPORARY SIGNALS.

PLOT DATE: 7/9/2012
 PLOT SCALE: 1/8"=1'-0"
 PLOT SIZE: 24"X36"

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**TRAFFIC SIGNAL
GENERAL NOTES**

SCALE: N.T.S.
DATE: 7/9/2012

DRAWN BY: NMR
CHECKED BY: D.J.

F.A.P. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	0-11R	KENDALL	514	364
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PAY ITEM NO.	ITEM	UNIT	INTERSECTION						INTERCONNECT	TOTAL
			IL RTE 71 @ ORCARD RD./ MINKLER RD.	IL RTE 71 @ DOUGLAS STREET	IL RTE 71 @ FOREST AVENUE	IL RTE 71 @ WASHINGTON ST./ PLAINFIELD RD.	PLAINFIELD RD @ GROVE RD./ WILMETTE AVE.	IL RTE 71 @ OSWEGO HIGH SCHOOL ENT.		
* 70106800	CHANGEABLE MESSAGE SIGN	CAL MO		2						2
72000100	SIGN PANEL - TYPE 1	SQ FT	38	14	38	38	23			151
72000200	SIGN PANEL - TYPE 2	SQ FT	50	25	23	60	55			213
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1	1	1	1	1			5
80500010	SERVICE INSTALLATION- GROUND MOUNTED	EACH	1	1	1	1	1			5
81028320	UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	1,257	289	688	1,318	391	58		4,001
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	2,214	1,004	1,086	1,120	765		8,739	14,928
81028360	UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	55	20	60	100	16			251
81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	94	44	113	71	88			410
81028390	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	1,007	597	702	995	563			3,864
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	7	6	5	10	5	19		52
81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	3	1	1	1	1			7
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	3,423	1,359	2,787	2,993	2,262			12,824
82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH		2	4		3			9
82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	4			4				8
82500330	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240 VOLT- 60 AMP	EACH	1	1	1	1	1			5
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1		1	1	1	1		5
* 85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1	1	1	1	1			5
* 86000300	MASTER CONTROLLER IN TYPE V CABINET	EACH						1		1
86200300	UNINTERRUPTIBLE POWER SUPPLY, EXTENDED	EACH	1	1	1	1	1	1		6
86400100	TRANSCEIVER - FIBER OPTIC	EACH	1	1	1	1	1	1		6
87100160	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, 24F	FOOT						14,379		14,379
87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT						14,379		14,379
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT		205	885	2,757	204			4,051
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,223	983	1,906	3,859	1,041			9,012
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3,211	2,290	1,733	4,430	2,034			13,698
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	3,261	274	1,671	1,151	474			6,831
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	8,094	2,664	3,486	6,420	2,193	2,342		25,199
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	100	100	100	100	20			420
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	973	625	774	987	559			3,918
87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH				1				1
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4	1	4	6	2			17
87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH		1						1
87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH					1			1
87702890	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 32 FT.	EACH					1			1
87702900	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT.	EACH					1			1
87702950	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH								0
87702960	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	EACH								0
87702970	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.	EACH		1						1
87702980	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.	EACH		1	2					3
87702985	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 52 FT.	EACH				1				1
87702990	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT.	EACH			1					1
87703000	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT.	EACH			1					1
87703020	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 56 FT.	EACH					1			1
87703050	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 64 FT.	EACH					1			1
87703070	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 66 FT.	EACH					1			1
87703090	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 70 FT.	EACH	4							4
87703120	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 75 FT.	EACH					1			1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16	4	16	28	8			72
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	8	8	8	8	8			40
* 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT		45	66	17	39			167
* 87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	100			71	21			192
87900200	DRILL EXISTING HANDHOLE	EACH						1		1
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3	2	2	6	3			16
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	10	7	6	14	7			44
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	5	1	4	2	1			13
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	5	1	4	2	2			14
88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH		2	6	12	2			22
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	23	11	16	24	13			87
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	23	8	14	24	9	4		82
88600100	DETECTOR LOOP, TYPE I	FOOT	3,712	1,215	2,091	3,802	1,311	1,522		13,653
88700200	LIGHT DETECTOR	EACH	4	3	4	4	4			19
88700300	LIGHT DETECTOR AMPLIFIER	EACH	1	1	1	1	1			5
88800100	PEDESTRIAN PUSH-BUTTON	EACH		2	6	12	2			22
* 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1		1	1	1	1		5
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1	1	1			4
* 89502380	REMOVE EXISTING HANDHOLE	EACH	8		4	4	4			20
* 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9		1	6	4			20
* *	ELECTRIC CABLE IN CONDUIT, NO. 20 3/4 TWISTED SHIELD	FOOT	1,223	761	963	978	819			4,744
* *	TEMPORARY TRAFFIC SIGNAL INTERCONNECT SYSTEM	LSUM								1
* X8410105	TEMPORARY LIGHTING SYSTEM	EACH	1		1	1	1			4
* Z0033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH						1		1

* DENOTES SPECIALTY ITEM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**TRAFFIC SIGNAL
SUMMARY OF QUANTITIES**

SCALE: N.T.S.
DATE: 7/9/2012

DRAWN BY: NMR
CHECKED BY: D.J.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R	KENDALL	514	365
STA.		TO S1A.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



SOIL BORING LOG

ROUTE	IL 71	DESCRIPTION	IL 71 & Minkler 12'E of existing pole CL 17' W of 933091 100' CL	LOGGED BY	Larry Myers
SECTION	(1-1)R	LOCATION	NE 1/4 SEC. 24 TWP. 37N. R9E Q7E	COUNTY	Kendall
DRILLING METHOD	Hollow Stem Auger	HAMMER TYPE	CMG Automatic	DATE	5/25/09
STRUCT. NO.		STATION		SURFACE WATER ELEV.	ft
BORING NO.	#7 SW Quad	STATION		STREAM BED ELEV.	ft
GROUND SURFACE ELEV.	ft	GROUNDWATER ELEV. FIRST ENCOUNTER UPON COMPLETION	ft	GROUNDWATER ELEV. AFTER	ft
OFFSET	ft	DEPTH	ft	DEPTHS	ft
SOIL DESCRIPTION	Augered, black, Silty Clay #1	TESTS		UCS	
	Very stiff, black, Silty Clay #1				
	Medium brown, loamy, fine, Sand to coarse, Gravel				
	Loose, brown, loamy, fine, Sand to medium, Gravel with 1/2" Silty Clay to Silty Loam layers at 8.5' free water @ 15'				
	Dense, brown, slightly loamy, fine, Sand to coarse, Gravel				
	Hard, gray, Clay Loam to Loam #1 with large, Gravel pieces Auger refusal @ 22', cobble or boulder				

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 (ASTM D 1586) BBS, from 137 (Rev. 8-99)

ILLINOIS ROUTE 71 @ ORCHARD ROAD/MINKLER ROAD



SOIL BORING LOG

ROUTE	IL 71	DESCRIPTION	IL 71 & Main 50'E of Box 133 S. of IL 71 CL	LOGGED BY	Larry Myers
SECTION	(1-1)R	LOCATION	NE 1/4 SEC. 19 TWP. 37N. R9E Q7E	COUNTY	Kendall
DRILLING METHOD	Hollow Stem Auger	HAMMER TYPE	CMG Automatic	DATE	5/25/09
STRUCT. NO.		STATION		SURFACE WATER ELEV.	ft
BORING NO.	#4 West-pole	STATION		STREAM BED ELEV.	ft
GROUND SURFACE ELEV.	ft	GROUNDWATER ELEV. FIRST ENCOUNTER UPON COMPLETION	ft	GROUNDWATER ELEV. AFTER	ft
OFFSET	ft	DEPTH	ft	DEPTHS	ft
SOIL DESCRIPTION	Augered, brown, Silty Clay Loam to Sandy Loam #1	TESTS		UCS	
	Very loose, brown, loamy, medium, Sand #1				
	Medium brown, slightly loamy, fine to coarse, Gravel with potential cobbles				
	Medium, brown, medium, Sand to coarse, 3' and slightly loamy with cobble esp +				

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 (ASTM D 1586) BBS, from 137 (Rev. 8-99)

ILLINOIS ROUTE 71 @ DOUGLAS STREET



SOIL BORING LOG

ROUTE	IL 71	DESCRIPTION	IL 71 & Forest 91'W of Forest CL 133'E of IL 71	LOGGED BY	Larry Myers
SECTION	(1-1)R	LOCATION	NW 1/4 SEC. 29 TWP. 37N. R9E Q7E	COUNTY	Kendall
DRILLING METHOD	Hollow Stem Auger	HAMMER TYPE	CMG Automatic	DATE	5/27/09
STRUCT. NO.		STATION		SURFACE WATER ELEV.	ft
BORING NO.	#6 SW Quad	STATION		STREAM BED ELEV.	ft
GROUND SURFACE ELEV.	ft	GROUNDWATER ELEV. FIRST ENCOUNTER UPON COMPLETION	ft	GROUNDWATER ELEV. AFTER	ft
OFFSET	ft	DEPTH	ft	DEPTHS	ft
SOIL DESCRIPTION	Augered, brown, Clay Loam #1	TESTS		UCS	
	Very stiff, brown, Gray Loam #1				
	Very stiff, brown, Silty Clay				
	Gray, loamy, fine, Sand to coarse, Gravel and Silty				
	Loose, loamy, fine, Sand to coarse Gravel with fine Sand layers				
	Very stiff, gray, loamy with large, Gravel pieces cobble size @ 1.8'				
	Very hard to drill last 6" (boulder or cobble?)				

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 (ASTM D 1586) BBS, from 137 (Rev. 8-99)

ILLINOIS ROUTE 71 @ FOREST AVENUE



SOIL BORING LOG

ROUTE	IL 71	DESCRIPTION	IL 71 & Orchard 12'E of existing pole CL 10' N of 933091 100' CL	LOGGED BY	Larry Myers
SECTION	(1-1)R	LOCATION	NE 1/4 SEC. 24 TWP. 37N. R9E Q7E	COUNTY	Kendall
DRILLING METHOD	Hollow Stem Auger	HAMMER TYPE	CMG Automatic	DATE	5/25/09
STRUCT. NO.		STATION		SURFACE WATER ELEV.	ft
BORING NO.	#8 NE Quad	STATION		STREAM BED ELEV.	ft
GROUND SURFACE ELEV.	ft	GROUNDWATER ELEV. FIRST ENCOUNTER UPON COMPLETION	ft	GROUNDWATER ELEV. AFTER	ft
OFFSET	ft	DEPTH	ft	DEPTHS	ft
SOIL DESCRIPTION	Augered, black, Silty Clay and brown, Sandy Loam #1	TESTS		UCS	
	Very soft, brown, Silty Clay Loam				
	Medium, brown, loamy, fine, Sand to coarse, Gravel with layers of coarse, Sand at 7.5'				
	Hard, gray, Loam #1				

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 (ASTM D 1586) BBS, from 137 (Rev. 8-99)

ILLINOIS ROUTE 71 @ ORCHARD ROAD/MINKLER ROAD



SOIL BORING LOG

ROUTE	IL 71	DESCRIPTION	IL 71 & Main 40'E of Box 148 S. of IL 71 CL	LOGGED BY	Larry Myers
SECTION	(1-1)R	LOCATION	NE 1/4 SEC. 19 TWP. 37N. R9E Q7E	COUNTY	Kendall
DRILLING METHOD	Hollow Stem Auger	HAMMER TYPE	CMG Automatic	DATE	5/25/09
STRUCT. NO.		STATION		SURFACE WATER ELEV.	ft
BORING NO.	#3 East-pole	STATION		STREAM BED ELEV.	ft
GROUND SURFACE ELEV.	ft	GROUNDWATER ELEV. FIRST ENCOUNTER UPON COMPLETION	ft	GROUNDWATER ELEV. AFTER	ft
OFFSET	ft	DEPTH	ft	DEPTHS	ft
SOIL DESCRIPTION	Augered, black, Silty Clay	TESTS		UCS	
	Very stiff, brown, Silty Clay				
	Medium, brown, loamy, fine, Sand to coarse, Gravel with potential cobbles				
	Dense, brown, loamy, fine, Sand to coarse, Gravel with cobble size				
	Loose, brown, loamy, fine, Sand to coarse, Gravel with cobble size				
	Medium, brown, loamy, fine, Sand to coarse, Gravel with cobbles				

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 (ASTM D 1586) BBS, from 137 (Rev. 8-99)

ILLINOIS ROUTE 71 @ DOUGLAS STREET



SOIL BORING LOG

ROUTE	IL 71	DESCRIPTION	IL 71 & Forest 48'E of Forest CL 133'E of IL 71 CL	LOGGED BY	Larry Myers
SECTION	(1-1)R	LOCATION	NW 1/4 SEC. 29 TWP. 37N. R9E Q7E	COUNTY	Kendall
DRILLING METHOD	Hollow Stem Auger	HAMMER TYPE	CMG Automatic	DATE	5/27/09
STRUCT. NO.		STATION		SURFACE WATER ELEV.	ft
BORING NO.	#9 SE Quad	STATION		STREAM BED ELEV.	ft
GROUND SURFACE ELEV.	ft	GROUNDWATER ELEV. FIRST ENCOUNTER UPON COMPLETION	ft	GROUNDWATER ELEV. AFTER	ft
OFFSET	ft	DEPTH	ft	DEPTHS	ft
SOIL DESCRIPTION	Augered, dark brown, Clay Loam #1 with Gravel pieces	TESTS		UCS	
	Soft, gray, Silty Clay to Silt				
	Medium, gray, loamy, fine, Sand to coarse, Gravel				
	Soft, gray, Clay Loam #1				
	Very dense, loamy, fine, Sand to coarse, Gravel some cobbles collapsed				
	Loose, gray, loamy, fine, Sand to coarse, Gravel with 1/2" yellow pieces				

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 (ASTM D 1586) BBS, from 137 (Rev. 8-99)

ILLINOIS ROUTE 71 @ FOREST AVENUE

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SIGNAL SOIL BORING LOGS SHEET 1 OF 2	SCALE: N.T.S. DATE: 7/9/2012	DRAWN BY: NMR CHECKED BY: DJL
NAME	DATE			

PLT DATE = 7/9/2012
FILE NAME = p:\civ\111\jobs\div\3\osw\gph\shere\1\df\016_15.B..B1.dwg
PLT SCALE = 28/2000 = 1/75

Illinois Department of Transportation **SOIL BORING LOG** Page 1 of 1

ROUTE IL 71 DESCRIPTION IL 71 & WASHINGTON ST. LOGGED BY Larry Means Date 5/22/08

SECTION (1-1) R LOCATION NW/4, SEC. 20, TWP. 37N, R.14E, S.8E

COUNTY Kendall DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. Station

BORING NO. #1 SE Quad

Station 810652

Offset 32.00 ft

Ground Surface Elev. 666.31 ft (M) (67) (147) (%)

DEPTH (ft)	BLOW COUNT	SOIL DESCRIPTION	WATER	REMARKS
0		Augered Black Silty Clay Loam Fill		
1	3	Med. to grayish brown, coarse sand with layers of fine to coarse sand (continues)		
2	3	Very stiff, brown, silty clay loam till with gravel layers at 7'		
3	5			
4	3			
5	3			
6	3			
7	3			
8	3			
9	3			
10	3			
11	3			
12	3			
13	3			
14	3			
15	3			
16	3			
17	3			
18	3			
19	3			
20	3			
21	3			
22	3			
23	3			
24	3			
25	3			
26	3			
27	3			
28	3			
29	3			
30	3			
31	3			
32	3			
33	3			
34	3			
35	3			
36	3			
37	3			
38	3			
39	3			
40	3			

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 (ASTM D 1586) BBS from 137 (Rev. 8-99)

ILLINOIS ROUTE 71 @ WASHINGTON ST/PLAINFIELD RD

Illinois Department of Transportation **SOIL BORING LOG** Page 1 of 1

ROUTE IL 71 DESCRIPTION Plainfield & Grove, 4230 of Plainfield CL 162S of Grove CL

SECTION (1-1) R LOCATION NW/4, SEC. 20, TWP. 37N, R.14E, S.8E

COUNTY Kendall DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. Station

BORING NO. #3 SW Quad

Station 810652

Offset 32.00 ft

Ground Surface Elev. 666.31 ft (M) (67) (147) (%)

DEPTH (ft)	BLOW COUNT	SOIL DESCRIPTION	WATER	REMARKS
0		Augered black Silty Clay fill		
1	3	Medium, brown, fine sand to coarse sand, gravel with bumpy layers at 21' (continues)		
2	3	Med. brown, silty clay loam fill		
3	3			
4	3			
5	3			
6	3			
7	3			
8	3			
9	3			
10	3			
11	3			
12	3			
13	3			
14	3			
15	3			
16	3			
17	3			
18	3			
19	3			
20	3			
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23	3			
24	3			
25	3			
26	3			
27	3			
28	3			
29	3			
30	3			
31	3			
32	3			
33	3			
34	3			
35	3			
36	3			
37	3			
38	3			
39	3			
40	3			

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 (ASTM D 1586) BBS from 137 (Rev. 8-99)

PLAINFIELD RD @ GROVE RD/WILMETTE AVE

Illinois Department of Transportation **SOIL BORING LOG** Page 1 of 1

ROUTE FAP 311 (IL 71) DESCRIPTION 37' South of IL 71 & 42' East of School Entrance

SECTION (1-1) R LOCATION SEC. 20, TWP. 37N, R.14E, S.8E

COUNTY Kendall DRILLING METHOD Push HAMMER TYPE

STRUCT. NO. Station

BORING NO. 2 N.E. Quad

Station 810652

Offset 32.00 ft

Ground Surface Elev. 666.31 ft (M) (67) (147) (%)

DEPTH (ft)	BLOW COUNT	SOIL DESCRIPTION	WATER	REMARKS
0		Med. brown, silty clay loam fill		
1	3			
2	3			
3	3			
4	3			
5	3			
6	3			
7	3			
8	3			
9	3			
10	3			
11	3			
12	3			
13	3			
14	3			
15	3			
16	3			
17	3			
18	3			
19	3			
20	3			
21	3			
22	3			
23	3			
24	3			
25	3			
26	3			
27	3			
28	3			
29	3			
30	3			
31	3			
32	3			
33	3			
34	3			
35	3			
36	3			
37	3			
38	3			
39	3			
40	3			

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 (ASTM D 1586) BBS from 137 (Rev. 8-99)

ILLINOIS ROUTE 71 @ OSWEGO HIGH SCHOOL ENTRANCE

Illinois Department of Transportation **SOIL BORING LOG** Page 1 of 1

ROUTE FAP 311 (IL 71) DESCRIPTION 38' North of IL 71 & 79' West of School Entrance

SECTION (1-1) R LOCATION SEC. 20, TWP. 37N, R.14E, S.8E

COUNTY Kendall DRILLING METHOD Push HAMMER TYPE

STRUCT. NO. Station

BORING NO. 4 S.W. Quad

Station 810652

Offset 32.00 ft

Ground Surface Elev. 666.31 ft (M) (67) (147) (%)

DEPTH (ft)	BLOW COUNT	SOIL DESCRIPTION	WATER	REMARKS
0		Med. brown, silty clay loam fill		
1	3			
2	3			
3	3			
4	3			
5	3			
6	3			
7	3			
8	3			
9	3			
10	3			
11	3			
12	3			
13	3			
14	3			
15	3			
16	3			
17	3			
18	3			
19	3			
20	3			
21	3			
22	3			
23	3			
24	3			
25	3			
26	3			
27	3			
28	3			
29	3			
30	3			
31	3			
32	3			
33	3			
34	3			
35	3			
36	3			
37	3			
38	3			
39	3			
40	3			

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 (ASTM D 1586) BBS from 137 (Rev. 8-99)

ILLINOIS ROUTE 71 @ OSWEGO HIGH SCHOOL ENTRANCE

Illinois Department of Transportation **SOIL BORING LOG** Page 1 of 1

ROUTE IL 71 DESCRIPTION Plainfield & Wilmette, 66 E of Plainfield CL 162S of Wilmette CL

SECTION (1-1) S LOCATION NE/4, SEC. 20, TWP. 37N, R.14E, S.8E

COUNTY Kendall DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. Station

BORING NO. #1 SE Quad

Station 810652

Offset 32.00 ft

Ground Surface Elev. 666.31 ft (M) (67) (147) (%)

DEPTH (ft)	BLOW COUNT	SOIL DESCRIPTION	WATER	REMARKS
0		Augered, black, silty clay fill		
1	3	Medium, gray, fine sand to coarse sand, gravel with silty clay layers (hole collapsed @ 12' AAR)		
2	3			
3	3			
4	3			
5	3			
6	3			
7	3			
8	3			
9	3			
10	3			
11	3			
12	3			
13	3			
14	3			
15	3			
16	3			
17	3			
18	3			
19	3			
20	3			
21	3			
22	3			
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26	3			
27	3			
28	3			
29	3			
30	3			
31	3			
32	3			
33	3			
34	3			
35	3			
36	3			
37	3			
38	3			
39	3			
40	3			

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 (ASTM D 1586) BBS from 137 (Rev. 8-99)

PLAINFIELD RD @ GROVE RD/WILMETTE AVE

Illinois Department of Transportation **SOIL BORING LOG** Page 1 of 1

ROUTE FAP 311 (IL 71) DESCRIPTION 47' South of IL 71 & 48' West of School Entrance

SECTION (1-1) R LOCATION SEC. 20, TWP. 37N, R.14E, S.8E

COUNTY Kendall DRILLING METHOD Push HAMMER TYPE

STRUCT. NO. Station

BORING NO. 1 S.E. Quad

Station 810652

Offset 32.00 ft

Ground Surface Elev. 666.31 ft (M) (67) (147) (%)

DEPTH (ft)	BLOW COUNT	SOIL DESCRIPTION	WATER	REMARKS
0		Med. brown, silty clay loam fill		
1	3			
2	3			
3	3			
4	3			
5	3			
6	3			
7	3			
8	3			
9	3			
10	3			
11	3			
12	3			
13	3			
14	3			
15	3			
16	3			
17	3			
18	3			
19	3			
20	3			
21	3			
22	3			
23	3			
24	3			
25	3			
26	3			
27	3			
28	3			
29	3			
30	3			
31	3			
32	3			
33	3			
34	3			
35	3			
36	3			
37	3			
38	3			
39	3			
40	3			

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 (ASTM D 1586) BBS from 137 (Rev. 8-99)

ILLINOIS ROUTE 71 @ OSWEGO HIGH SCHOOL ENTRANCE

Illinois Department of Transportation **SOIL BORING LOG** Page 1 of 1

ROUTE FAP 311 (IL 71) DESCRIPTION 39' North of IL 71 & 37' East of School Entrance

SECTION (1-1) R LOCATION SEC. 20, TWP. 37N, R.14E, S.8E

COUNTY Kendall DRILLING METHOD Push HAMMER TYPE

STRUCT. NO. Station

BORING NO. 3 N.W. Quad

Station 810652

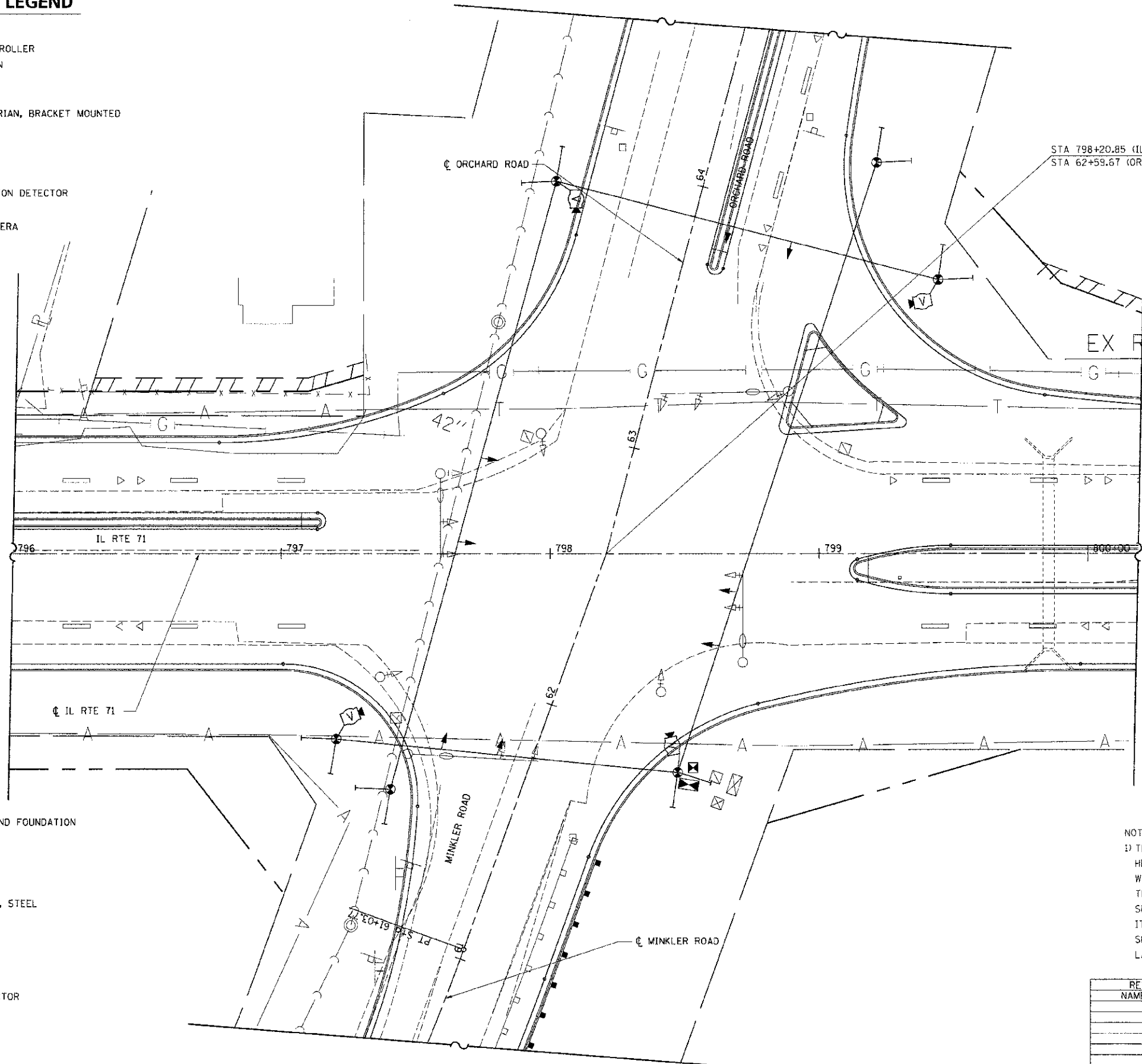
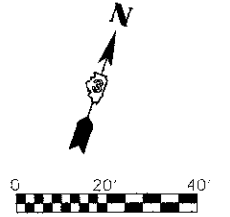
Offset 32.00 ft

Ground Surface Elev. 66

F.A.P. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R	KENDALL	514	367
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

TEMPORARY TRAFFIC SIGNAL LEGEND

- TEMPORARY TRAFFIC SIGNAL CONTROLLER
- TEMPORARY SERVICE INSTALLATION
- LIGHTING CONTROLLER
- TEMPORARY SIGNAL HEAD
- TEMPORARY SIGNAL HEAD, PEDESTRIAN, BRACKET MOUNTED
- TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT MINIMUM
- TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
- TEMPORARY PEDESTRIAN PUSHBUTTON DETECTOR
- TEMPORARY VIDEO DETECTION CAMERA



TRAFFIC SIGNAL REMOVAL NOTES

- THE FOLLOWING EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE STATE:
- 1 EACH - CONTROLLER IN CABINET (COMPLETE) INCLUDING AMPLIFIER CONFLICT MONITOR AND CONTROLLER
 - 1 EACH - LIGHTING CONTROLLER
 - 8 EACH - HANDHOLE COVERS
- THE FOLLOWING EQUIPMENT SHALL BE STOCKPILED IN A SECURE LOCATION BY THE CONTRACTOR FOR PICKUP BY THE VILLAGE:
- 3 EACH - SIGNAL HEAD, 1-FACE 3-SECTION
 - 10 EACH - SIGNAL HEAD, 1-FACE 5-SECTION
 - 13 EACH - TRAFFIC SIGNAL BACKPLATE
- THE FOLLOWING EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE.
- 4 EACH - COMBINATION STEEL MAST ARM ASSEMBLY AND POLE
 - 4 EACH - LUMINAIRE
 - 3 EACH - SIGNAL POST
 - 8 EACH - HANDHOLE
 - 9 EACH - CONCRETE FOUNDATION
 - 1 EACH - SERVICE INSTALLATION
 - 1 EACH - ELECTRIC SERVICE INSTALLATION

EXISTING EQUIPMENT TO BE REMOVED LEGEND

- EXISTING TRAFFIC SIGNAL CONTROLLER AND FOUNDATION
- EXISTING SERVICE INSTALLATION
- EXISTING SIGNAL HEAD WITH BACKPLATE
- EXISTING SIGNAL HEAD, PEDESTRIAN
- EXISTING SIGNAL POST
- EXISTING MAST ARM ASSEMBLY AND POLE, STEEL
- EXISTING MAST ARM ASSEMBLY AND POLE, STEEL WITH LUMINAIRE
- EXISTING HANDHOLE
- EXISTING HEAVY DUTY HANDHOLE
- EXISTING DOUBLE HANDHOLE
- EXISTING PEDESTRIAN PUSHBUTTON DETECTOR
- EXISTING WOOD POLE
- EXISTING LUMINAIRE
- EXISTING LIGHTING CONTROLLER
- EXISTING EMERGENCY VEHICLE LIGHT DETECTOR
- EXISTING LIGHTING CONTROLLER








NOTE:
 1) 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 INCIDENTAL TO 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.

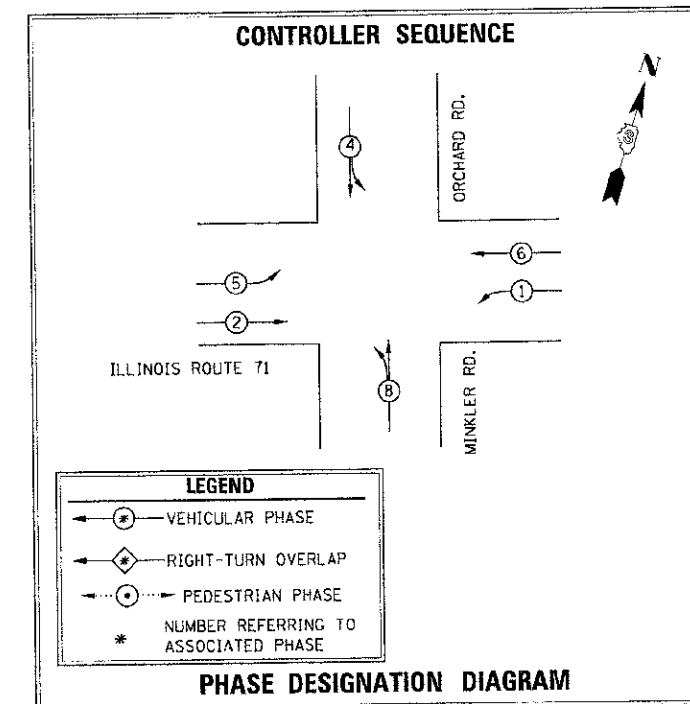
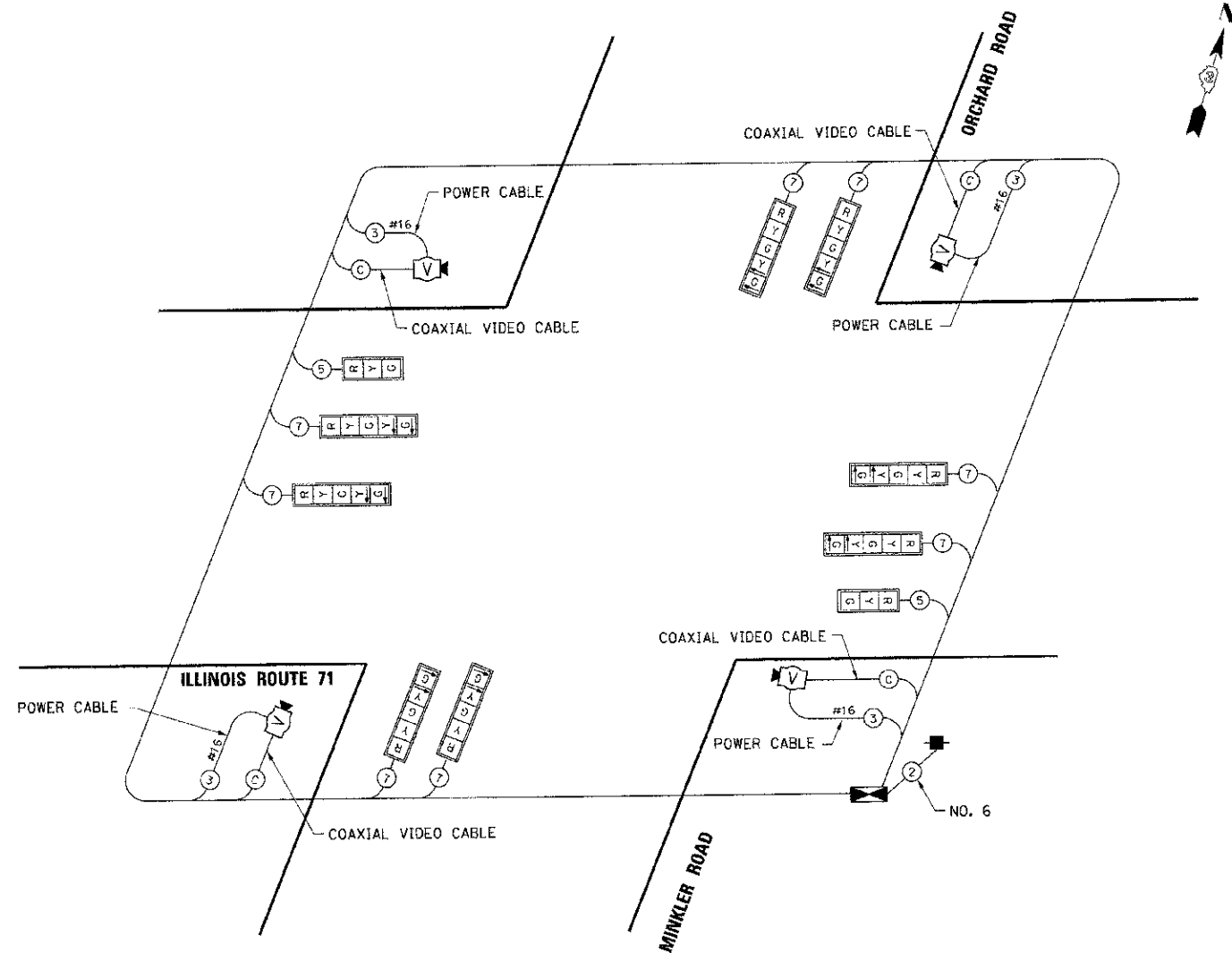
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TEMPORARY TRAFFIC SIGNAL PLAN
IL RTE 71
ORCHARD RD./MINKLER RD.
 SCALE: 1"=20'
 DATE: 7/9/2012
 DRAWN BY NMR
 CHECKED BY DJL

DATE: 7/9/2012
 FILE: 11-1101016-ORCHARD-MINKLER-TT-01.dwg
 PLOT SCALE: 1/8"=20'

TEMPORARY CABLE DIAGRAM LEGEND

-  TEMPORARY 12" TRAFFIC SIGNAL SECTION
-  TEMPORARY CONTROLLER CABINET
-  TEMPORARY SERVICE INSTALLATION
-  TEMPORARY SIGNAL HEAD, PEDESTRIAN
-  DENOTES NUMBER OF CONDUCTORS, ALL CABLE NO. 14 EXCEPT AS INDICATED
-  TEMPORARY PEDESTRIAN PUSH-BUTTON DETECTOR
-  TEMPORARY VIDEO DETECTION CAMERA



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

TEMPORARY TRAFFIC SIGNAL INSTALLATION		
DESCRIPTION	QUANTITY	UNITS
WOOD POLES, CLASS 5, 45' W/ GUY WIRE AND ANCHORS	4	EACH
ELECTRIC CABLE, AERIAL SUSPENDED SIGNAL NO. 14, 7C, WITH SPAN WIRE & TETHER	2404	FOOT
ELECTRIC CABLE, AERIAL SUSPENDED SIGNAL NO. 14, 5C, WITH SPAN WIRE & TETHER	1500	FOOT
ELECTRIC CABLE, AERIAL SUSPENDED SIGNAL NO. 2, 1/C, WITH SPAN WIRE & TETHER	100	FOOT
TEMPORARY TRAFFIC SIGNAL CONTROLLER	1	EACH
SIGNAL HEAD, 1 FACE, 5 SECTION, 12" LENSES	8	EACH
SIGNAL HEAD, 1 FACE, 3 SECTION, 12" LENSES	2	EACH
ELECTRIC CABLE, AERIAL SUSPENDED SIGNAL NO. 6, 1/C WITH SPAN WIRE & TETHER	100	FOOT
TEMPORARY VIDEO DETECTION SYSTEM	1	EACH
400 W HPS COBRAHEAD LUMINARIES MOUNTED TO MAST ARMS ON TEMP. POLES CLOSEST TO INTERSECTION	4	EACH

TEMPORARY VIDEO DETECTION SYSTEM BILL OF MATERIALS		
DESCRIPTION	QUANTITY	UNITS
MACHINE VISION PROCESSOR	1	EACH
AUTOSCOPE IMAGE SENSOR	4	EACH
VIDEO ELECTRIC CABLE IN CONDUIT, NO. 16 3/C	905	FOOT
VIDEO BFLDEN 8281 COAXIAL CABLE IN CONDUIT	905	FOOT
15 FT MAST ARM MOUNTED TO TEMP. WOOD POLES FOR CONNECTION OF VIDEO CAMERA & LIGHTING	4	EACH

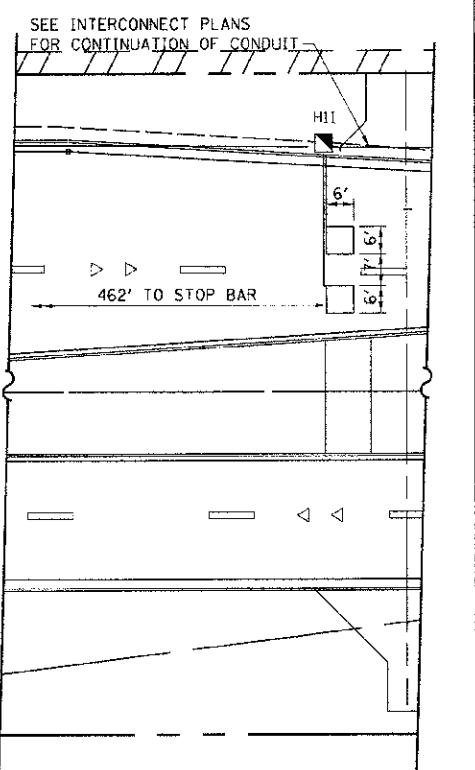
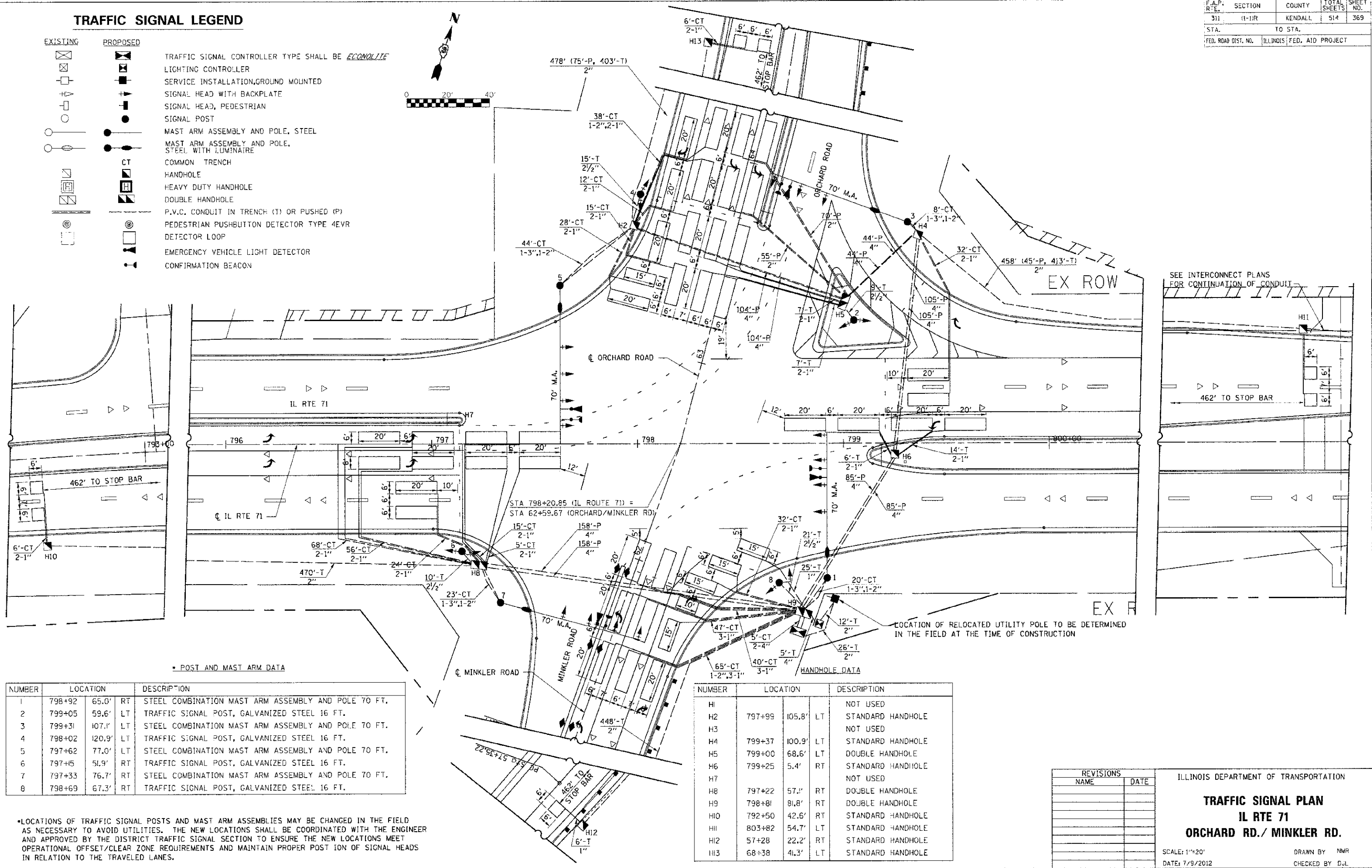
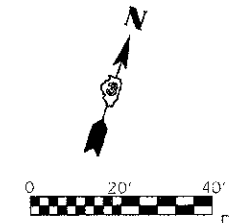
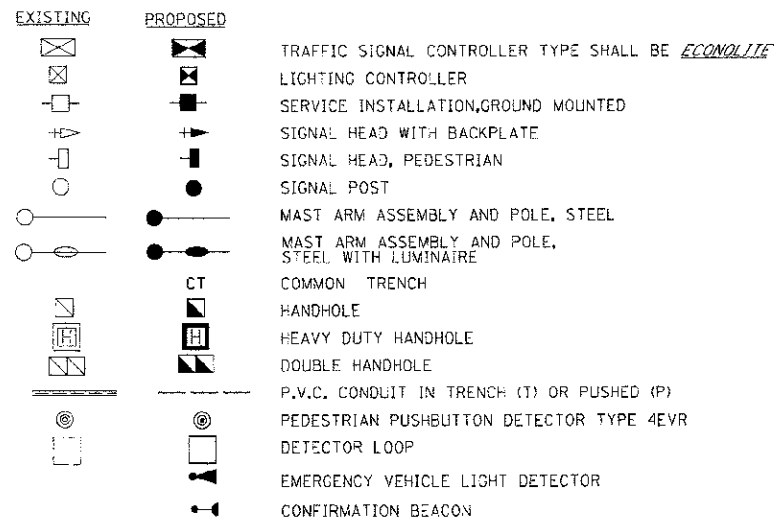
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**TEMPORARY TRAFFIC SIGNAL
 CABLE PLAN
 IL RTE 71
 ORCHARD RD./MINKLER RD.**

SCALE: N.T.S. DRAWN BY NMR
 DATE: 7/9/2012 CHECKED BY DJL

F.A.P. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R	KENDALL	514	369
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

TRAFFIC SIGNAL LEGEND



POST AND MAST ARM DATA

NUMBER	LOCATION	DESCRIPTION
1	798+92 65.0'	RT STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 70 FT.
2	799+05 59.6'	LT TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
3	799+31 107.1'	LT STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 70 FT.
4	798+02 120.9'	LT TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
5	797+62 77.0'	LT STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 70 FT.
6	797+45 51.9'	RT TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
7	797+33 76.7'	RT STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 70 FT.
8	798+69 67.3'	RT TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.

HANDHOLE DATA

NUMBER	LOCATION	DESCRIPTION
H1		NOT USED
H2	797+99 105.8'	LT STANDARD HANDHOLE
H3		NOT USED
H4	799+37 100.9'	LT STANDARD HANDHOLE
H5	799+00 68.6'	LT DOUBLE HANDHOLE
H6	799+25 5.4'	RT STANDARD HANDHOLE
H7		NOT USED
H8	797+22 57.1'	RT DOUBLE HANDHOLE
H9	798+81 81.8'	RT DOUBLE HANDHOLE
H10	792+50 42.6'	RT STANDARD HANDHOLE
H11	803+82 54.7'	LT STANDARD HANDHOLE
H12	57+28 22.2'	RT STANDARD HANDHOLE
H13	68+38 41.3'	LT STANDARD HANDHOLE

*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 TRAVELED LANES.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN

IL RTE 71 ORCHARD RD./ MINKLER RD.

SCALE: 1"=20'
DATE: 7/9/2012

DRAWN BY: NMR
CHECKED BY: DJL

PLOT DATE = 7/9/2012
 PLOT NAME = p:\work\11111\dms\dms3\vegaga\phase 1\11111111\ORCHARD.MINKLER.T11111.dgn
 PLOT SCALE = 20:1

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-11R)	KENDALL	514	370
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS' FED. AID PROJECT		

ILLINOIS ROUTE 71 AT ORCHARD RD./MINKLER RD. ELECTRICAL LOAD CHART

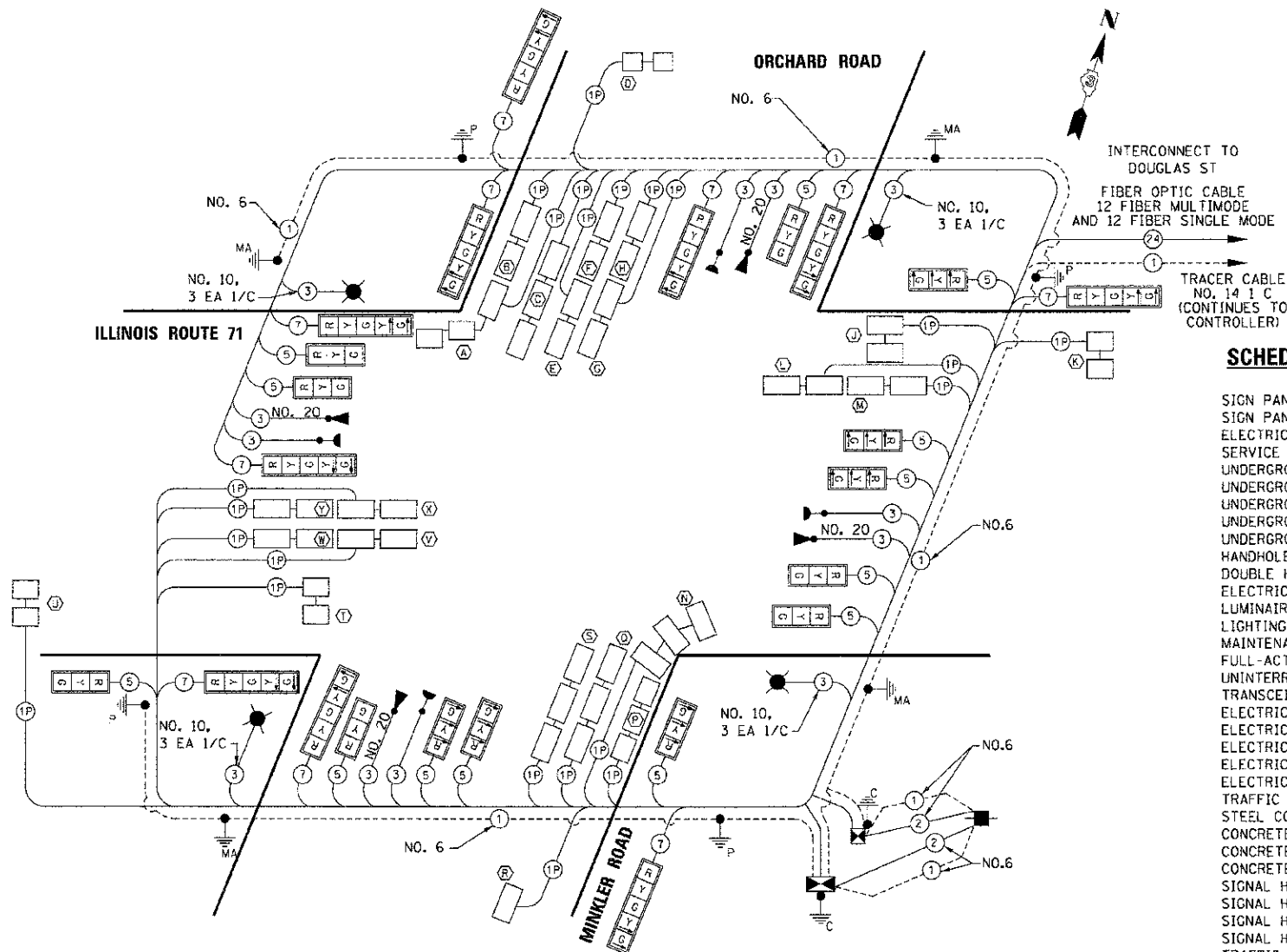
ILLINOIS ROUTE 71			
INDICATION	NUMBER	WATTAGE EACH	BURN TIME (%)
RED	9	10	40
YELLOW	9	22	5
GREEN	9	12	45
RED ARROW	3	10	75
YELLOW ARROW	7	10	5
GREEN ARROW	7	5	15

ORCHARD RD. / MINKLER RD.			
INDICATION	NUMBER	WATTAGE EACH	BURN TIME (%)
RED	8	10	60
YELLOW	8	22	5
GREEN	8	12	35
RED ARROW	3	10	70
YELLOW ARROW	9	10	5
GREEN ARROW	9	5	25

TRAFFIC SIGNAL CABINET			
ITEM	NUMBER	WATTAGE EACH	BURN TIME (%)
CONTROLLER	1	6	100
LOOP DETECTORS	23	4	100
UPS	1	50	100

HIGHWAY LIGHTING			
ITEM	NUMBER	WATTAGE EACH	BURN TIME (%)
CONTROLLER	1	6	100
LUMINAIRE	4	400	360 HRS/MONTH

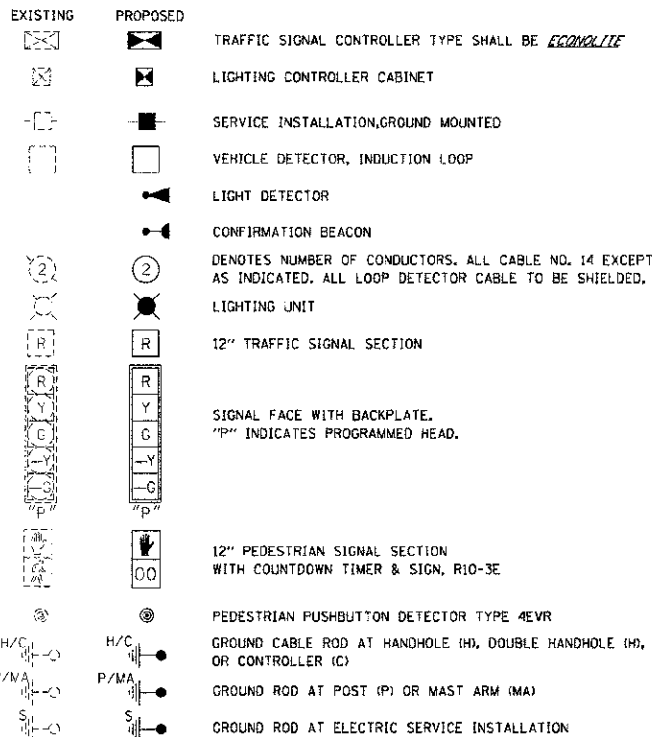
AGENCY RESPONSIBLE FOR ENERGY CHARGES: VILLAGE OF OSWEGO
 (NOTE: SEPERATE ENERGY BILLS FOR HIGHWAY LIGHTING AND TRAFFIC SIGNALS SHALL BE SUBMITTED TO THE VILLAGE OF OSWEGO)



SCHEDULE OF QUANTITIES

SIGN PANEL - TYPE 1	38	SQ FT
SIGN PANEL - TYPE 2	50	SQ FT
ELECTRIC SERVICE INSTALLATION	1	EACH
SERVICE INSTALLATION-GROUND MOUNTED	1	EACH
UNDERGROUND CONDUIT, PVC, 1" DIA.	1,257	FOOT
UNDERGROUND CONDUIT, PVC, 2" DIA.	2,214	FOOT
UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	55	FOOT
UNDERGROUND CONDUIT, PVC, 3" DIA.	94	FOOT
UNDERGROUND CONDUIT, PVC, 4" DIA.	1,007	FOOT
HANDHOLE, PORTLAND CEMENT CONCRETE	7	EACH
DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	3	EACH
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	3,423	FOOT
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	4	EACH
LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240 VOLT, 60 AMP	1	EACH
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	1	EACH
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL UNINTERRUPTIBLE POWER SUPPLY, EXTENDED	1	EACH
TRANSCEIVER - FIBER OPTIC	1	EACH
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	1,223	FOOT
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	3,211	FOOT
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	3,261	FOOT
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	8,094	FOOT
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	100	FOOT
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	4	EACH
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 70 FT.	4	EACH
CONCRETE FOUNDATION, TYPE A	16	FOOT
CONCRETE FOUNDATION, TYPE C	8	FOOT
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	100	FOOT
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	3	EACH
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	10	EACH
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	5	EACH
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	5	EACH
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	23	EACH
INDUCTIVE LOOP DETECTOR	23	EACH
DETECTOR LOOP, TYPE I	3,712	FOOT
LIGHT DETECTOR	4	EACH
LIGHT DETECTOR AMPLIFIER	1	EACH
TEMPORARY TRAFFIC SIGNAL INSTALLATION	1	EACH
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	1	EACH
REMOVE EXISTING HANDHOLE	8	EACH
REMOVE EXISTING CONCRETE FOUNDATION	9	EACH
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	973	FOOT
ELECTRIC CABLE IN CONDUIT, NO. 20 3/C TWISTED SHIELD	1,223	FOOT
TEMPORARY LIGHTING SYSTEM	1	EACH

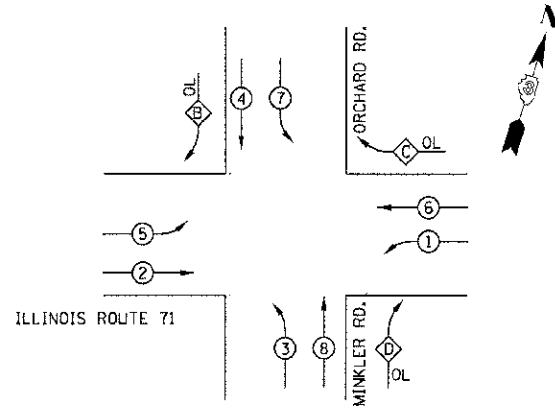
CABLE DIAGRAM LEGEND



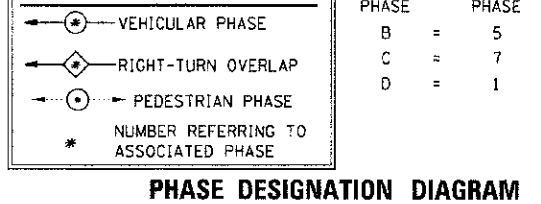
ILLINOIS ROUTE 71 AT ORCHARD RD./MINKLER RD. DETECTOR LOOP INDUCTANCE CHART

LOOP SYSTEM	PHASE	LABEL	NO. OF TURNS	INDUCTANCE (MICROHENRIES)	FREQUENCY (HERTZ)	J PIN STATUS
A	B	SBRT FR	4	819	21,327	ON
B	B	SBRT BK	4	611	24,691	ON
C	4	SBTH	4	871	20,680	ON
D	4	SB FAR	6	693	23,184	ON
E	7	SBLT W FR	4	588	25,169	ON
F	7	SBLT W BK	4	588	25,169	ON
G	7	SBLT E FR	4	588	25,169	ON
H	7	SBLT E BK	4	588	25,169	ON
J	6	WB STBR	4	578	25,386	OFF
K	6	WB FAR	6	661	23,739	ON
L	1	WBLT FR	4	546	26,120	ON
M	1	WBLT BK	4	553	25,954	ON
N	D	NBRT FR	4	645	24,032	ON
P	D	NBRT BK	4	652	23,902	ON
Q	8	NBTH	4	802	21,551	ON
R	8	NB FAR	6	372	31,644	ON
S	3	NBLT	4	802	21,551	ON
T	2	EB STBR	4	568	25,609	OFF
U	2	EB FAR	6	652	23,902	ON
V	5	EBLT S FR	4	579	25,364	ON
W	5	EBLT S BK	4	579	25,364	ON
X	5	EBLT N FR	4	579	25,364	ON
Y	5	EBLT N BK	4	579	25,364	ON

CONTROLLER SEQUENCE



LEGEND



NOTES:

- A SELF ADHERING PHASING DIAGRAM SHALL BE PLACED INSIDE THE CABINET DOOR.
- FIBER OPTIC CABLE NEEDS DIRECTION AND ASSIGNMENT NUMBER ON EACH FIBER CABLE.
- LIGHTING CABLES SHALL BE RUN IN CONDUIT THAT IS SEPARATE FROM THE TRAFFIC SIGNAL CONDUIT.
- THE CONTRACTOR SHALL CONTACT DAN DEVINE OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION (815-434-8505) TO IN ADVANCE OF ORDERING TRAFFIC CONTROLLER AND CABINET TO DISCUSS THE POSSIBILITY OF ANTI-BACKUP MEASURES IN SITUATIONS WHERE THERE IS A PROTECTED LEFT TURN IN ONE DIRECTION AND A PERMITTED LEFT TURN IN THE OPPOSITE DIRECTION.

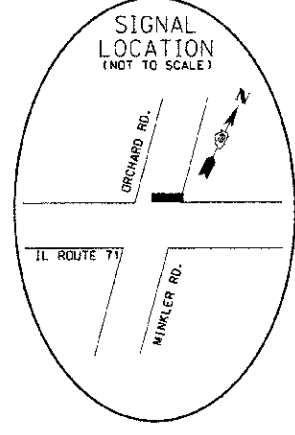
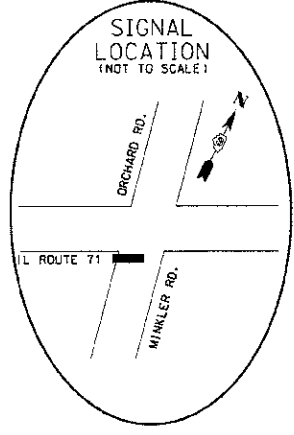
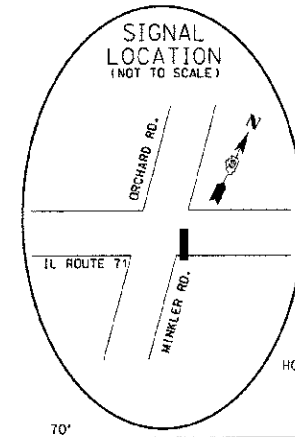
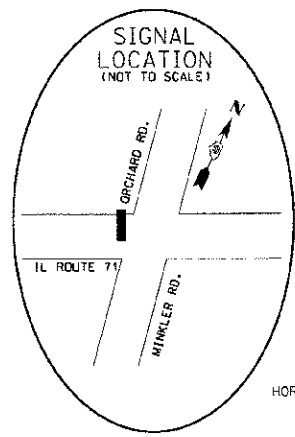
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL CABLE PLAN
IL RTE 71
ORCHARD RD./MINKLER RD.

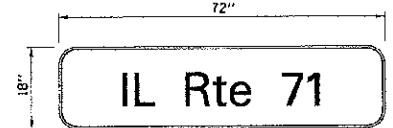
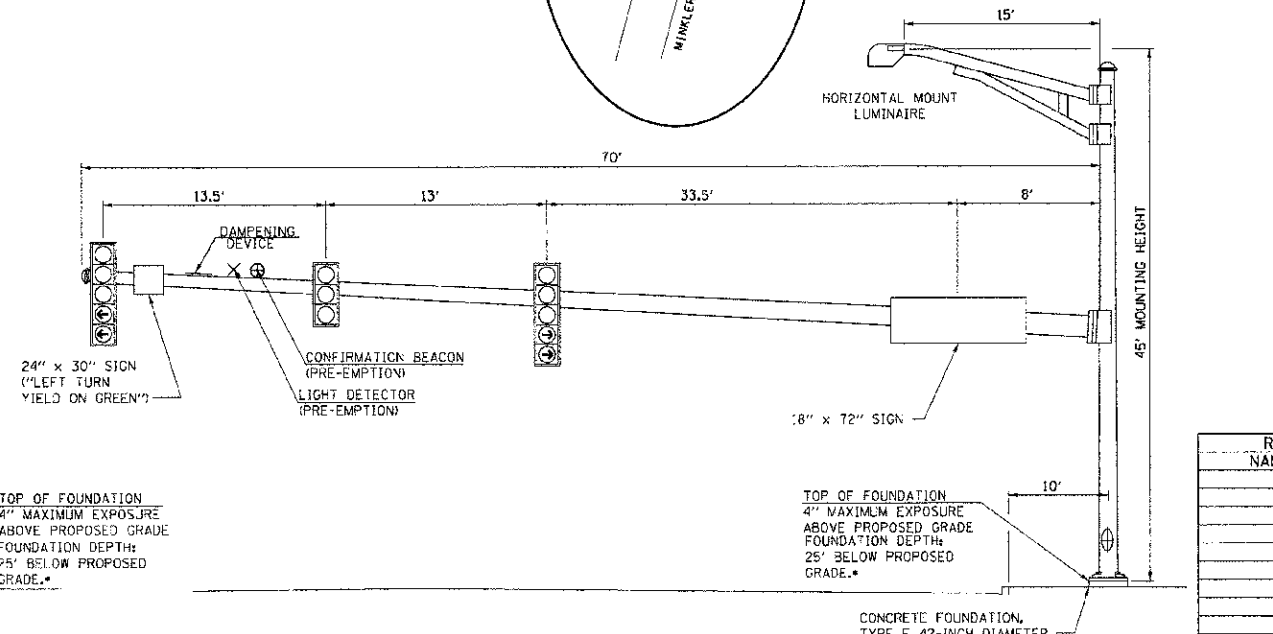
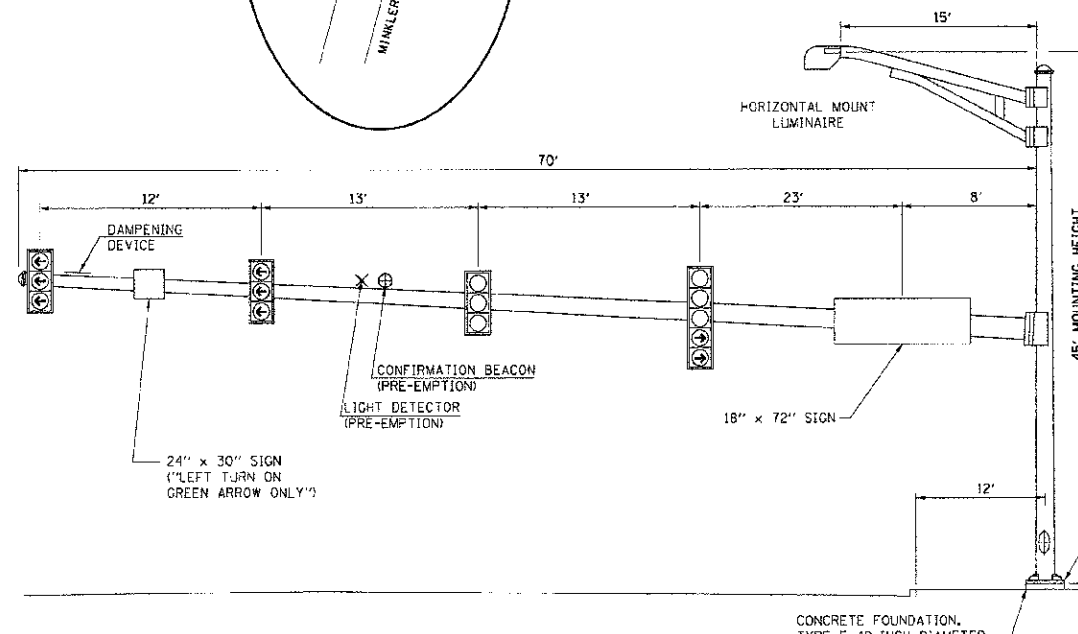
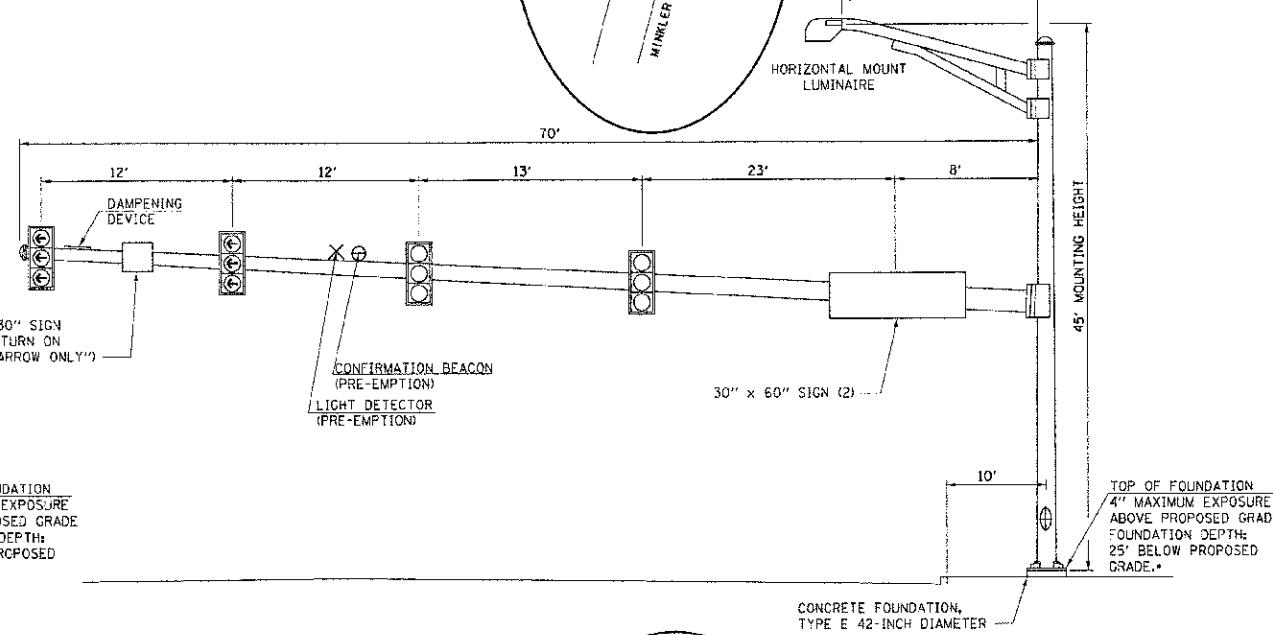
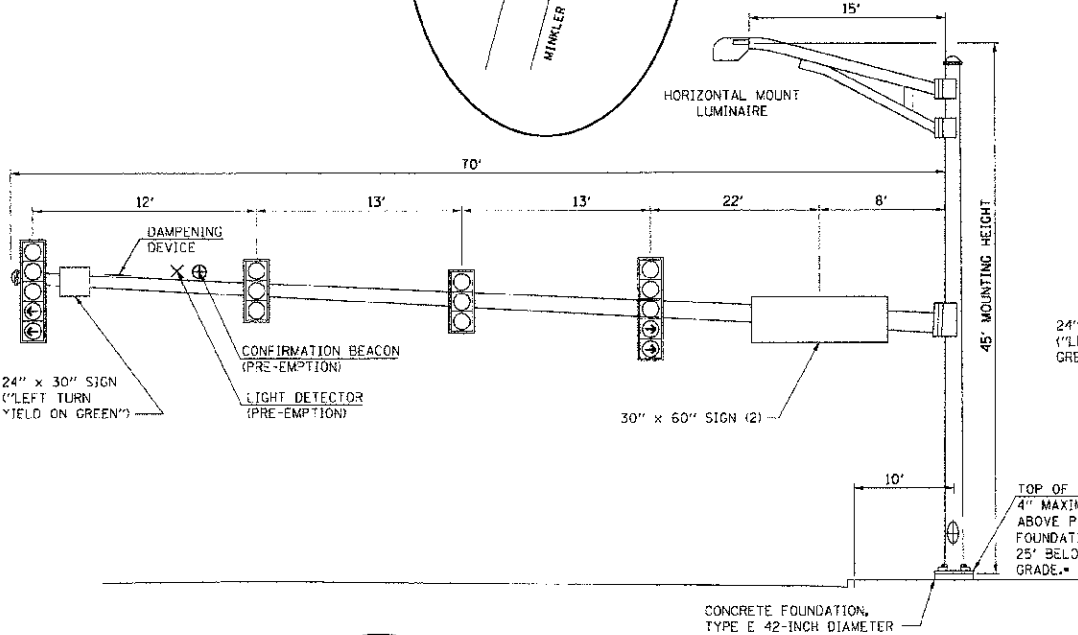
SCALE: N.T.S. DRAWN BY: NMR
 DATE: 7/9/2012 CHECKED BY: DJL

PLT DATE: 7/9/2012
 PLOT SCALE: 1/8"=1'-0"
 PLOT: 2020087 / IN.

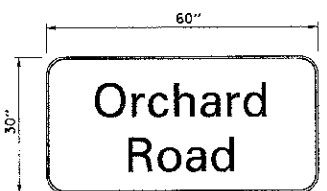
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R	KENDALL	514	371
STA.		TO STA.		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



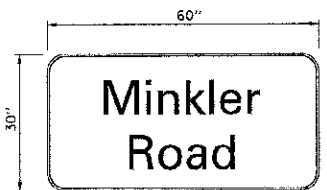
*FOUNDATION DEPTHS ARE BASED ON THE TABLE INCLUDED IN HIGHWAY STANDARD 878001 WHICH ARE DESIGNED FOR SOILS WITH AN AVERAGE UNCONFINED COMPRESSIVE STRENGTH GREATER THAN 1.0 TSF. PRIOR TO FOUNDATION INSTALLATION, THE CONTRACTOR SHALL VERIFY THE SOIL STRENGTH TO THE DEPTH OF THE FOUNDATION AT EACH PROPOSED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



9.0 SQ. FT. EACH
2 REQUIRED
DESIGN SERIES D
8" HIGH LETTERS



12.5 SQ. FT. EACH
2 REQUIRED
DESIGN SERIES D
8" HIGH LETTERS



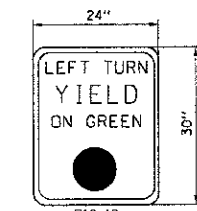
12.5 SQ. FT. EACH
2 REQUIRED
DESIGN SERIES D
8" HIGH LETTERS

STREET NAME SIGN DETAIL

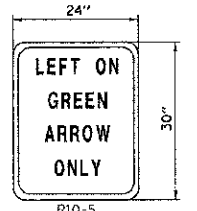
THESE STREET NAME SIGNS SHALL BE PLACED ON THE MAST ARMS PARALLEL TO THE RESPECTIVE ROUTE AS DIRECTED BY THE ENGINEER.

STREET NAME SIGNS

1. TYPE Z2 SHEETING REQUIRED
2. WHITE LETTERING ON GREEN BACKGROUND
3. 3/4" WHITE BORDER



TYPE "A" SHEETING REQUIRED
5.0 SQ. FT. EACH
2 REQUIRED



TYPE "A" SHEETING REQUIRED
5.0 SQ. FT. EACH
2 REQUIRED

LEFT TURN CONTROL SIGN DETAIL

THIS SIGN SHALL BE LOCATED 6 TO 12 INCHES TO THE RIGHT OF THE MAST ARM MOUNTED LEFT TURN SIGNAL HEAD.

NOTES

1. ALL SIGNAL HEADS HAVE BACKPLATES.
2. ALL MAST ARM FOUNDATIONS TO BE 42" DIAMETER.
3. DAMPENING DEVICE SHALL CONSIST OF A 24" X 30" TYPE-I, UNPAINTED ALUMINUM SIGN STOCK MOUNTED HORIZONTALLY ON TOP OF MAST ARM WITH THE 30" LENGTH PERPENDICULAR TO THE ARM. COST OF THE DAMPENING DEVICE SHALL BE INCLUDED IN THE MAST ARM PAY ITEM.
4. ARM SUPPORT FOR LUMINAIRE SHALL BE PARALLEL TO MAST ARM.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
MAST ARM LOADING DIAGRAMS
IL ROUTE 71
ORCHARD RD./MINKLER RD.

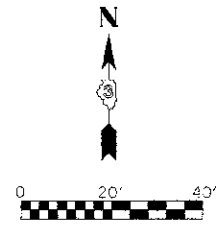
SCALE: N.T.S.
DATE: 7/9/2012

DRAWN BY NMR
CHECKED BY DJL

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-11R	KENDALL	514	372
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

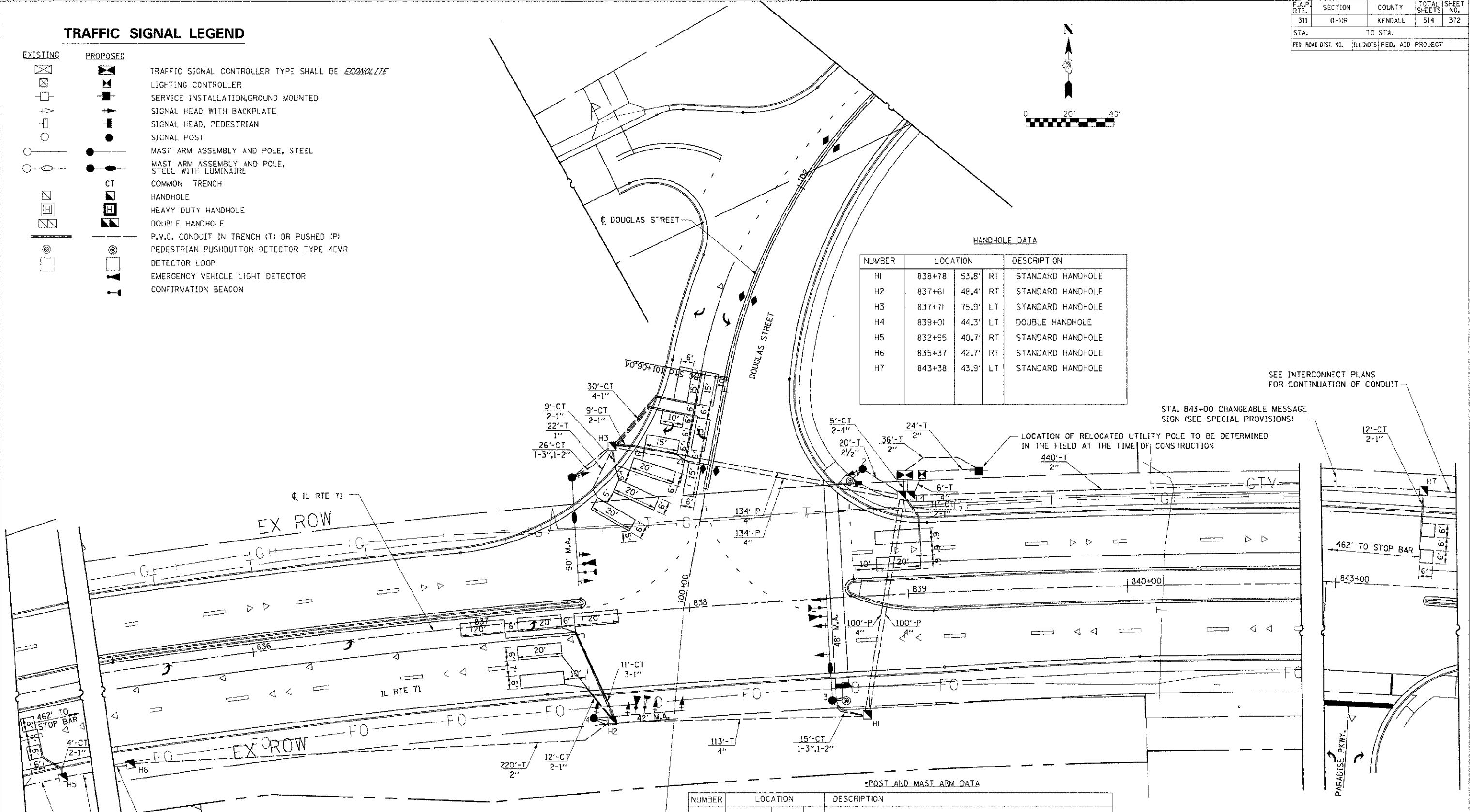
TRAFFIC SIGNAL LEGEND

EXISTING	PROPOSED	
		TRAFFIC SIGNAL CONTROLLER TYPE SHALL BE <i>ECONOLITE</i>
		LIGHTING CONTROLLER
		SERVICE INSTALLATION, GROUND MOUNTED
		SIGNAL HEAD WITH BACKPLATE
		SIGNAL HEAD, PEDESTRIAN
		SIGNAL POST
		MAST ARM ASSEMBLY AND POLE, STEEL
		MAST ARM ASSEMBLY AND POLE, STEEL WITH LUMINAIRE
		COMMON TRENCH
		HANDHOLE
		HEAVY DUTY HANDHOLE
		DOUBLE HANDHOLE
		P.V.C. CONDUIT IN TRENCH (T) OR PUSHED (P)
		PEDESTRIAN PUSHBUTTON DETECTOR TYPE 4CVR
		DETECTOR LOOP
		EMERGENCY VEHICLE LIGHT DETECTOR
		CONFIRMATION BEACON



HANDHOLE DATA

NUMBER	LOCATION	DESCRIPTION
H1	838+78 53.8' RT	STANDARD HANDHOLE
H2	837+61 48.4' RT	STANDARD HANDHOLE
H3	837+71 75.9' LT	STANDARD HANDHOLE
H4	839+01 44.3' LT	DOUBLE HANDHOLE
H5	832+95 40.7' RT	STANDARD HANDHOLE
H6	835+37 42.7' RT	STANDARD HANDHOLE
H7	843+38 43.9' LT	STANDARD HANDHOLE



*POST AND MAST ARM DATA

NUMBER	LOCATION	DESCRIPTION
1	837+52 63.2' LT	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.
2	838+82 57.7' LT	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
3	838+63 46.5' RT	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.
4	837+52 46.5' RT	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.

*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 TRAVELED LANES.

SEE INTERCONNECT PLANS FOR CONTINUATION OF CONDUIT

STA. 843+00 CHANGEABLE MESSAGE SIGN (SEE SPECIAL PROVISIONS)

LOCATION OF RELOCATED UTILITY POLE TO BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION

STA. 833+00 CHANGEABLE MESSAGE SIGN (SEE SPECIAL PROVISIONS)

SEE INTERCONNECT PLANS FOR CONTINUATION OF CONDUIT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL PLAN
IL RTE 71
DOUGLAS STREET

SCALE: 1"=20'
 DATE: 7/9/2012

DRAWN BY: NMR
 CHECKED BY: DJL

DATE: 7/9/2012
 FILE NAME: I:\projects\66420\66420\plans\11\111111\111111\111111.dwg
 PLOT SCALE: 1"=20'

F.A.P. RYE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1R)	KENDALL	514	373
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

ILLINOIS ROUTE 71 AT DOUGLAS STREET ELECTRICAL LOAD CHART

ILLINOIS ROUTE 71			
INDICATION	NUMBER	WATTAGE EACH	BURN TIME (%)
RED	6	10	30
YELLOW	6	22	5
GREEN	6	12	65
YELLOW ARROW	2	10	5
GREEN ARROW	2	5	10
PED. SIGNAL	2	25	100

DOUGLAS STREET			
INDICATION	NUMBER	WATTAGE EACH	BURN TIME (%)
RED	5	10	60
YELLOW ARROW	5	10	5
GREEN ARROW	5	5	35

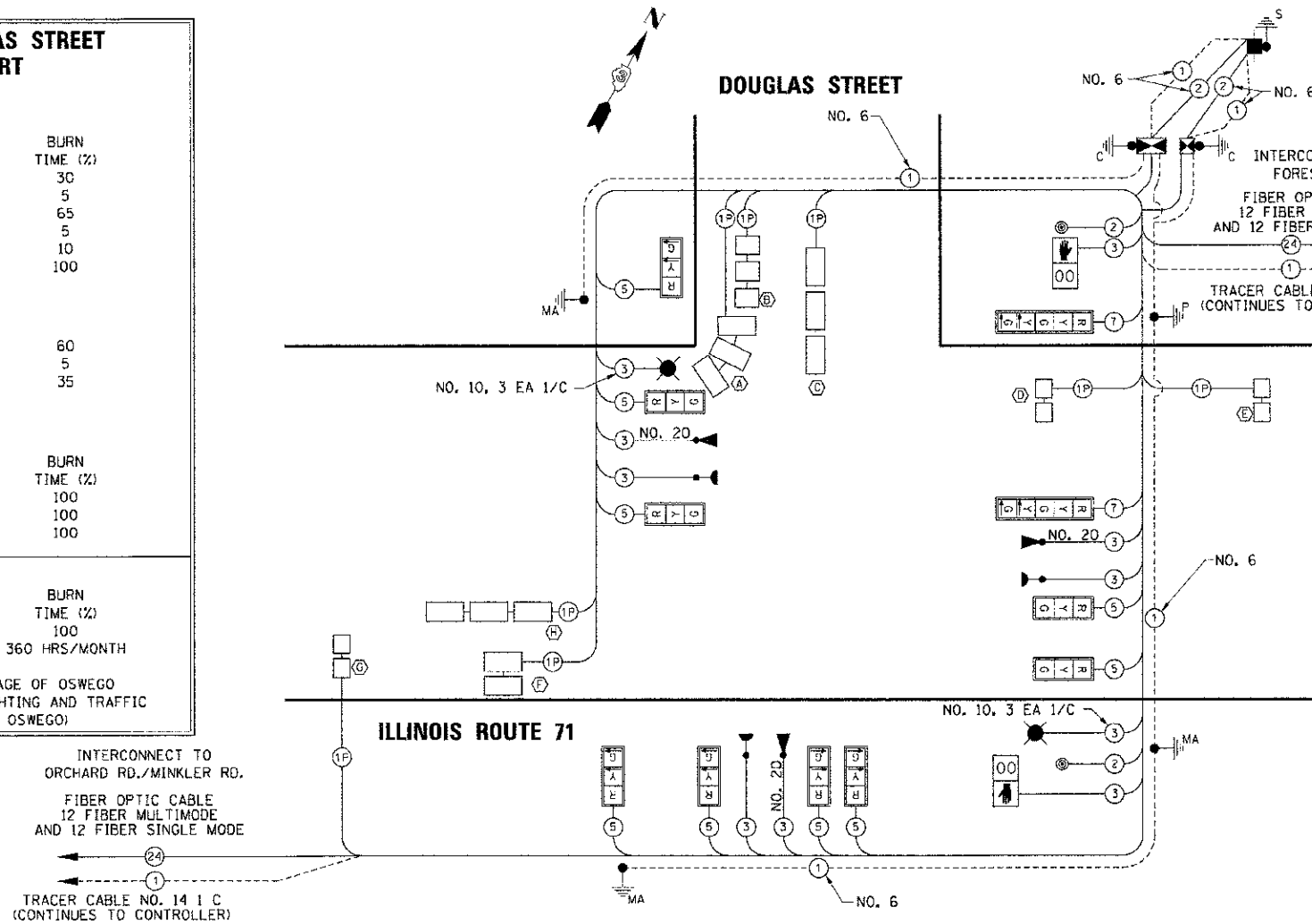
TRAFFIC SIGNAL CABINET			
ITEM	NUMBER	WATTAGE EACH	BURN TIME (%)
CONTROLLER	1	6	100
LOOP DETECTORS	7	4	100
UPS	1	50	100

HIGHWAY LIGHTING			
ITEM	NUMBER	WATTAGE EACH	BURN TIME (%)
CONTROLLER	1	6	100
LUMINAIRE	2	250	360 HRS/MONTH

AGENCY RESPONSIBLE FOR ENERGY CHARGES: VILLAGE OF OSWEGO
 (NOTE: SEPERATE ENERGY BILLS FOR HIGHWAY LIGHTING AND TRAFFIC SIGNALS SHALL BE SUBMITTED TO THE VILLAGE OF OSWEGO)

SCHEDULE OF QUANTITIES

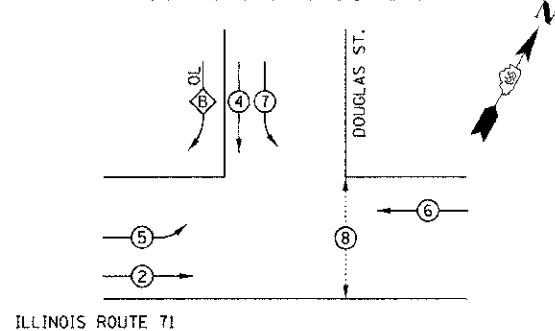
CHANGEABLE MESSAGE SIGN	CAL MO 2
SIGN PANEL - TYPE 1	SO FT 14
SIGN PANEL - TYPE 2	SO FT 25
ELECTRIC SERVICE INSTALLATION	EACH 1
SERVICE INSTALLATION-GROUND MOUNTED	EACH 1
UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT 289
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT 1004
UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT 20
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT 44
UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT 597
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH 6
DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH 1
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT 1,359
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH 2
LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240 VOLT, 60 AMP	EACH 1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL UNINTERRUPTIBLE POWER SUPPLY, EXTENDED	EACH 1
TRANSCEIVER - FIBER OPTIC	EACH 1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT 205
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT 983
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT 2,290
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT 274
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT 2,664
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT 100
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH 1
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH 1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.	EACH 1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.	EACH 1
CONCRETE FOUNDATION, TYPE A	FOOT 4
CONCRETE FOUNDATION, TYPE C	FOOT 8
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT 45
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH 2
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH 7
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH 1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH 1
PEDESTRIAN SIGNAL HEAD, LED 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH 2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH 11
INDUCTIVE LOOP DETECTOR	EACH 8
DETECTOR LOOP, TYPE I	FOOT 1,215
LIGHT DETECTOR	EACH 3
LIGHT DETECTOR AMPLIFIER	EACH 1
PEDESTRIAN PUSH-BUTTON	EACH 2
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT 625
ELECTRIC CABLE IN CONDUIT, NO. 20 3/C TWISTED SHIELD	FOOT 761



CABLE DIAGRAM LEGEND

EXISTING	PROPOSED	DESCRIPTION
[Symbol]	[Symbol]	TRAFFIC SIGNAL CONTROLLER TYPE SHALL BE <i>ECONOMILITE</i>
[Symbol]	[Symbol]	LIGHTING CONTROLLER CABINET
[Symbol]	[Symbol]	SERVICE INSTALLATION, GROUND MOUNTED
[Symbol]	[Symbol]	VEHICLE DETECTOR, INDUCTION LOOP
[Symbol]	[Symbol]	LIGHT DETECTOR
[Symbol]	[Symbol]	CONFIRMATION BEACON
[Symbol]	[Symbol]	DENOTES NUMBER OF CONDUCTORS, ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
[Symbol]	[Symbol]	LIGHTING UNIT
[Symbol]	[Symbol]	12" TRAFFIC SIGNAL SECTION
[Symbol]	[Symbol]	SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD.
[Symbol]	[Symbol]	12" PEDESTRIAN SIGNAL SECTION WITH COUNTDOWN TIMER & SIGN R10-3E
[Symbol]	[Symbol]	PEDESTRIAN PUSHBUTTON DETECTOR TYPE 4EVR
[Symbol]	[Symbol]	GROUND CABLE ROD AT HANDHOLE (H), DOUBLE HANDHOLE (HH), OR CONTROLLER (C)
[Symbol]	[Symbol]	GROUND ROD AT POST (P) OR MAST ARM (MA)
[Symbol]	[Symbol]	GROUND ROD AT ELECTRIC SERVICE INSTALLATION

CONTROLLER SEQUENCE



LEGEND

[Symbol]	VEHICULAR PHASE
[Symbol]	RIGHT-TURN OVERLAP
[Symbol]	PEDESTRIAN PHASE
[Symbol]	NUMBER REFERRING TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM

OVERLAP PHASE
 PROTECTED PHASE
 B = 5

ILLINOIS ROUTE 71 AT DOUGLAS STREET DETECTOR LOOP INDUCTANCE CHART

LOOP SYSTEM	PHASE	LABEL	NO. OF TURNS	INDUCTANCE (MICROHENRIES)	FREQUENCY (HERTZ)	J PIN STATUS
A	B	SBRT FR	4	822	21,288	ON
B	B	SBRT BK	4	624	24,433	ON
C	7	SBLT	4	675	23,492	ON
D	6	WB STBR	4	530	26,511	OFF
E	6	WB FAR	6	611	24,691	ON
F	2	EB STBR	4	575	25,452	OFF
G	2	EB FAR	6	664	23,685	ON
H	5	EBLT	4	835	21,121	ON

NOTES:

- A SELF ADHERING PHASING DIAGRAM SHALL BE PLACED INSIDE THE CABINET DOOR.
- FIBER OPTIC CABLE NEEDS DIRECTION AND ASSIGNMENT NUMBER ON EACH FIBER CABLE.
- LIGHTING CABLES SHALL BE RUN IN CONDUIT THAT IS SEPARATE FROM THE TRAFFIC SIGNAL CONDUIT.

REVISIONS	
NAME	DATE

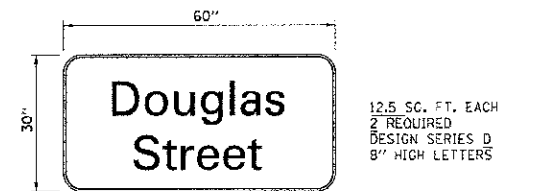
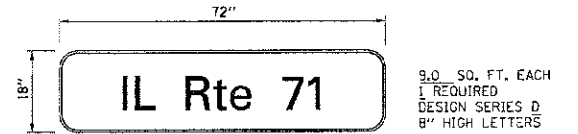
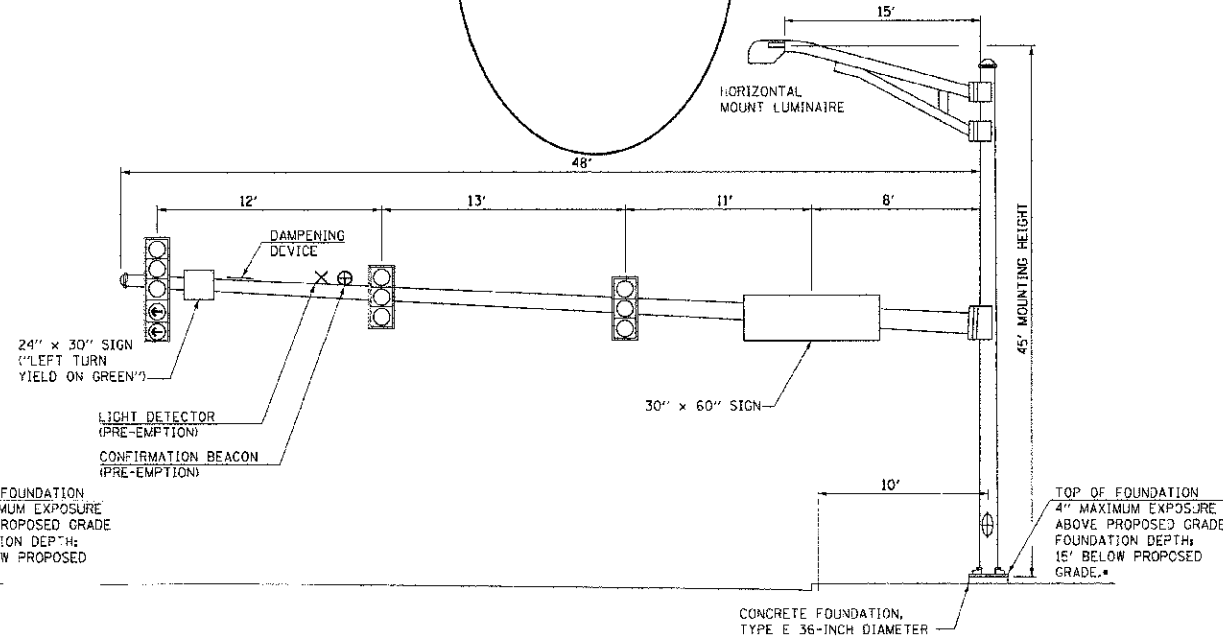
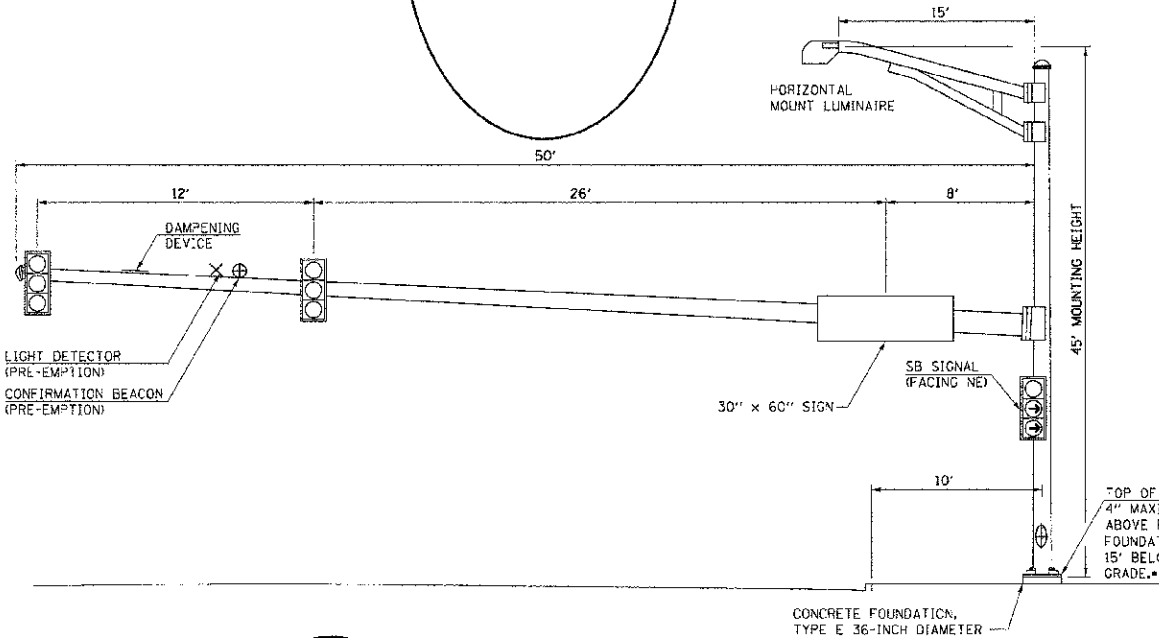
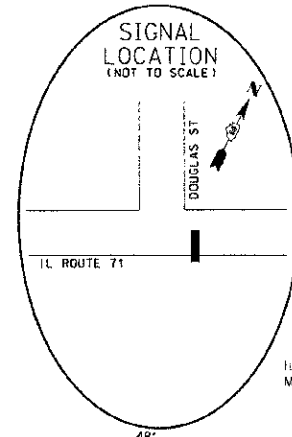
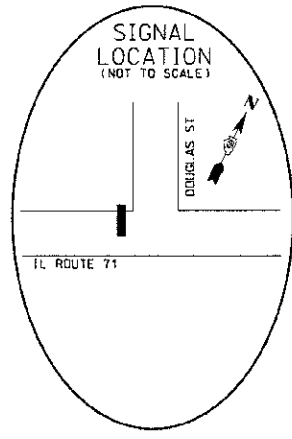
ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN IL RTE 71 DOUGLAS STREET

SCALE: N.T.S.
 DATE: 7/9/2012

DRAWN BY: NMR
 CHECKED BY: DJL

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R	KENDALL	514	374
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

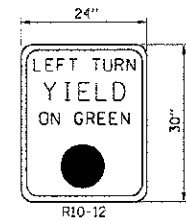


STREET NAME SIGN DETAIL

THESE STREET NAME SIGNS SHALL BE PLACED ON THE MAST ARMS PARALLEL TO THE RESPECTIVE ROUTE AS DIRECTED BY THE ENGINEER.

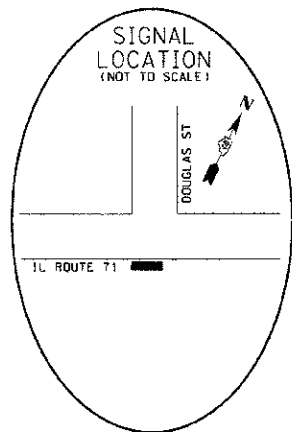
STREET NAME SIGNS

1. TYPE 22 SHEETING REQUIRED
2. WHITE LETTERING ON GREEN BACKGROUND
3. 3/4" WHITE BORDER

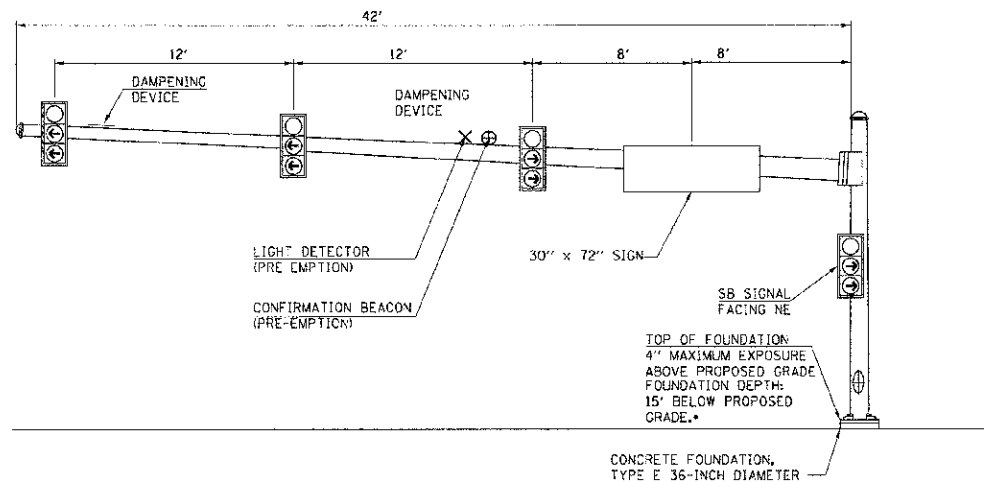


LEFT TURN CONTROL SIGN DETAIL

THIS SIGN SHALL BE LOCATED 6 TO 12 INCHES TO THE RIGHT OF THE MAST ARM MOUNTED LEFT TURN SIGNAL HEAD.



*FOUNDATION DEPTHS ARE BASED ON THE TABLE INCLUDED IN HIGHWAY STANDARD 876001 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.



NOTES

1. ALL SIGNAL HEADS HAVE BACKPLATES.
2. ALL MAST ARM FOUNDATIONS TO BE 36" DIAMETER.
3. DAMPENING DEVICE SHALL CONSIST OF A 24" X 30" TYPE-I, UNPAINTED ALUMINUM SIGN STOCK MOUNTED HORIZONTALLY ON TOP OF MAST ARM WITH THE 30" LENGTH PERPENDICULAR TO THE ARM. COST OF THE DAMPENING DEVICE SHALL BE INCLUDED IN THE MAST ARM PAY ITEM.
4. ARM SUPPORT FOR LUMINAIRE SHALL BE PARALLEL TO MAST ARM.

REVISIONS	
NAME	DATE









ILLINOIS DEPARTMENT OF TRANSPORTATION
MAST ARM LOADING DIAGRAMS
IL ROUTE 71
DOUGLAS STREET

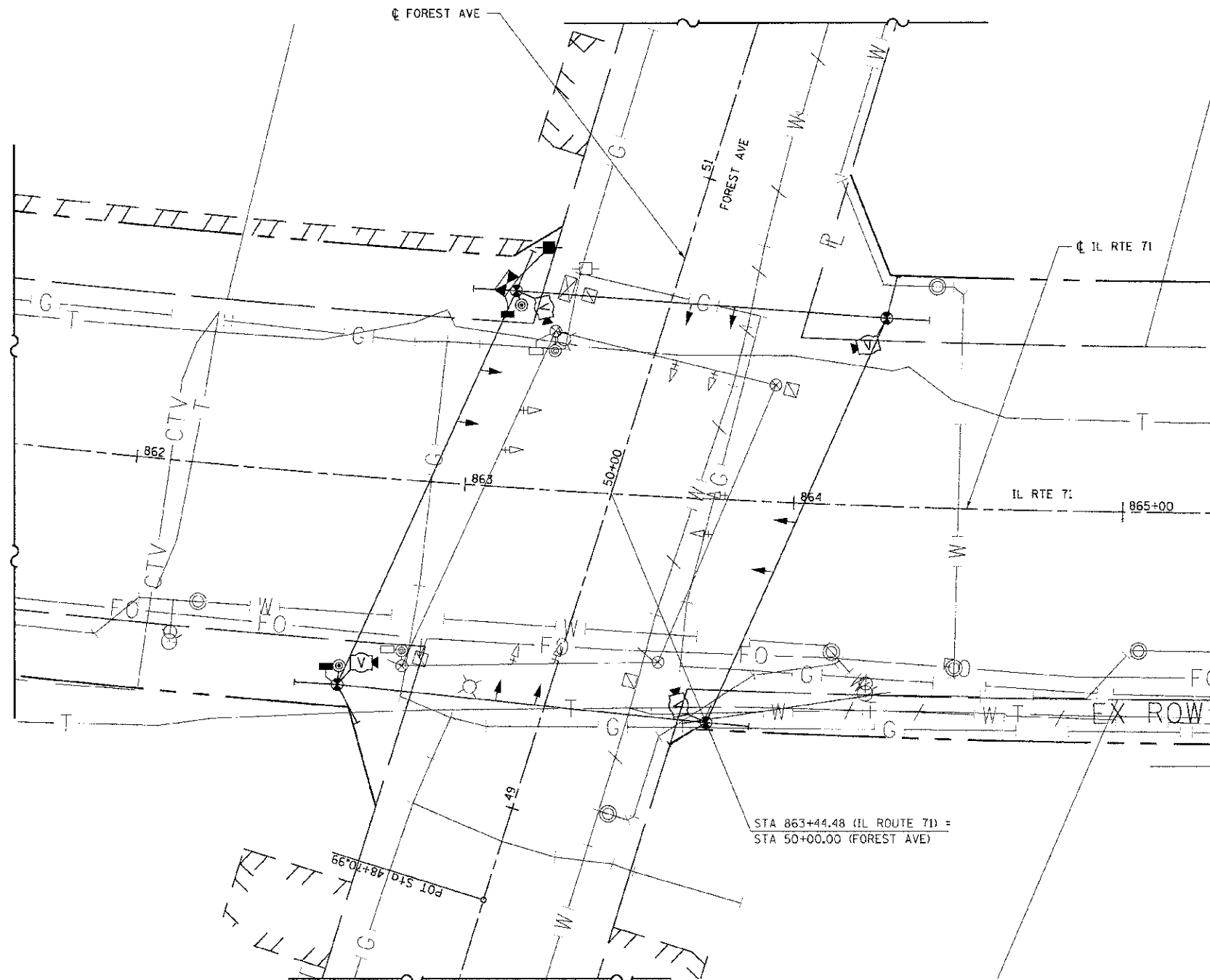
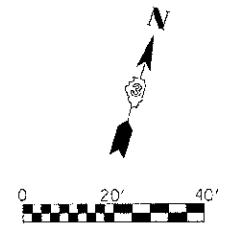
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 DATE: 7/9/2012

DRAWN BY NMR
 CHECKED BY DJL

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R	KENDALL	514	375
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TEMPORARY TRAFFIC SIGNAL LEGEND

-  TEMPORARY TRAFFIC SIGNAL CONTROLLER
-  TEMPORARY SERVICE INSTALLATION
-  TEMPORARY SIGNAL HEAD
-  TEMPORARY SIGNAL HEAD, PEDESTRIAN, BRACKET MOUNTED
-  TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT MINIMUM
-  TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
-  TEMPORARY PEDESTRIAN PUSHBUTTON DETECTOR
-  TEMPORARY VIDEO DETECTION CAMERA



TRAFFIC SIGNAL REMOVAL NOTES

















THE FOLLOWING EQUIPMENT SHALL BE STOCKPILED IN A SECURE LOCATION BY THE CONTRACTOR FOR PICKUP BY THE VILLAGE:

- 1 EACH - CONTROLLER CABINET (COMPLETE)
- 8 EACH - SIGNAL HEAD, 1-FACE 3-SECTION
- 8 EACH - TRAFFIC SIGNAL BACKPLATE
- 2 EACH - PEDESTRIAN SIGNAL HEAD, 1-FACE, 2 SECTION
- 2 EACH - PEDESTRIAN PUSHBUTTON
- 4 EACH - HANDHOLE COVERS

THE FOLLOWING EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE.

- 4 EACH - WOOD POLE
- 4 EACH - HANDHOLE
- 1 EACH - CONCRETE FOUNDATION
- 1 EACH - SERVICE INSTALLATION

EXISTING EQUIPMENT TO BE REMOVED LEGEND

-  EXISTING TRAFFIC SIGNAL CONTROLLER AND FOUNDATION
-  EXISTING SERVICE INSTALLATION
-  EXISTING SIGNAL HEAD WITH BACKPLATE
-  EXISTING SIGNAL HEAD, PEDESTRIAN
-  EXISTING SIGNAL POST
-  EXISTING MAST ARM ASSEMBLY AND POLE, STEEL
-  EXISTING MAST ARM ASSEMBLY AND POLE, STEEL WITH LUMINAIRE
-  EXISTING HANDHOLE
-  EXISTING HEAVY DUTY HANDHOLE
-  EXISTING DOUBLE HANDHOLE
-  EXISTING PEDESTRIAN PUSHBUTTON DETECTOR
-  EXISTING WOOD POLE
-  EXISTING LUMINAIRE
-  EXISTING LIGHTING CONTROLLER
-  EXISTING EMERGENCY VEHICLE LIGHT DETECTOR
-  EXISTING LIGHTING CONTROLLER

NOTE:

1) 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 INCIDENTAL TO 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.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION








**TEMPORARY TRAFFIC SIGNAL PLAN
IL RTE 71
FOREST AVE**

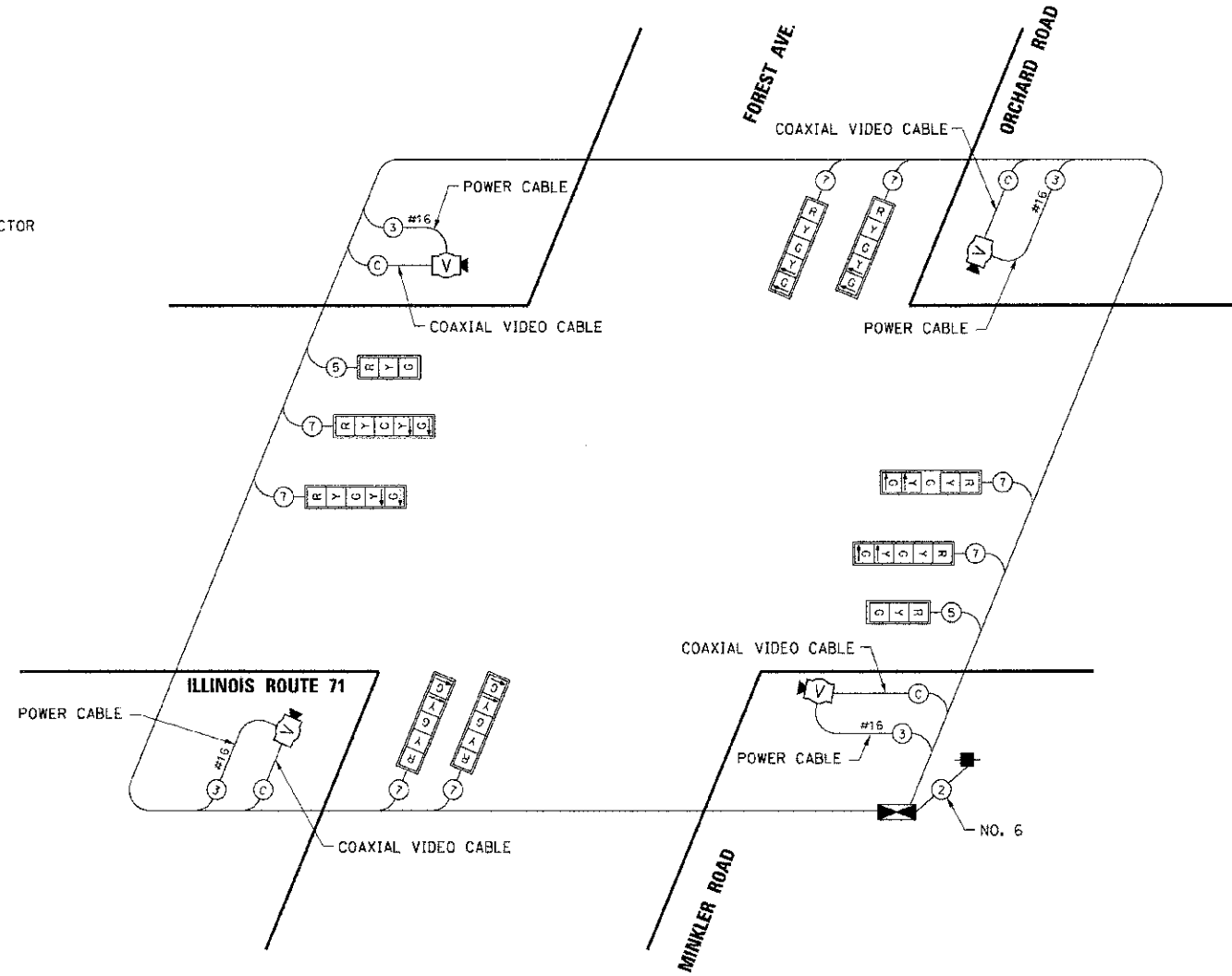
SCALE: 1"=20'
DATE: 7/9/2012

DRAWN BY NMR
CHECKED BY D.J.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	01-11R	KENDALL	514	376
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TEMPORARY CABLE DIAGRAM LEGEND

-  TEMPORARY 12" TRAFFIC SIGNAL SECTION
-  TEMPORARY CONTROLLER CABINET
-  TEMPORARY SERVICE INSTALLATION
-  TEMPORARY SIGNAL HEAD, PEDESTRIAN
-  DENOTES NUMBER OF CONDUCTORS, ALL CABLE NO. 14 EXCEPT AS INDICATED
-  TEMPORARY PEDESTRIAN PUSH-BUTTON DETECTOR
-  TEMPORARY VIDEO DETECTION CAMERA



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

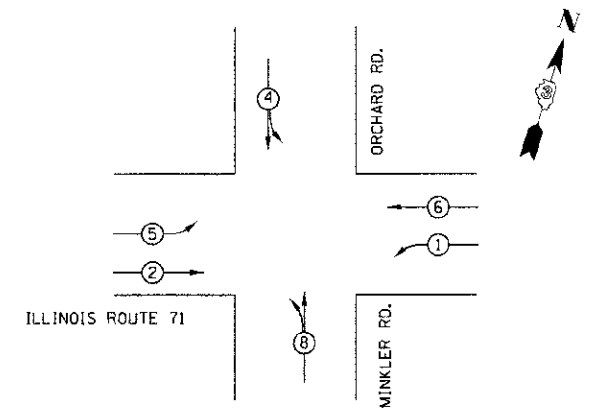
TEMPORARY TRAFFIC SIGNAL INSTALLATION

DESCRIPTION	QUANTITY	UNITS
WOOD POLES, CLASS 5, 45' W/ GUY WIRE AND ANCHORS	4	EACH
ELECTRIC CABLE, AERIAL SUSPENDED SIGNAL NO. 14, 2C, WITH SPAN WIRE & TETHER	191	FOOT
ELECTRIC CABLE, AERIAL SUSPENDED SIGNAL NO. 14, 3C, WITH SPAN WIRE & TETHER	181	FOOT
ELECTRIC CABLE, AERIAL SUSPENDED SIGNAL NO. 14, 5C, WITH SPAN WIRE & TETHER	1200	FOOT
ELECTRIC CABLE, AERIAL SUSPENDED SIGNAL NO. 14, 7C, WITH SPAN WIRE & TETHER	1666	FOOT
ELECTRIC CABLE, AERIAL SUSPENDED SIGNAL NO. 2, 1/C, WITH SPAN WIRE & TETHER	100	FOOT
TEMPORARY TRAFFIC SIGNAL CONTROLLER	1	EACH
SIGNAL HEAD, 1 FACE, 3 SECTION, 12" LENSES	2	EACH
SIGNAL HEAD, 1 FACE, 5 SECTION, 12" LENSES	8	EACH
PEDESTRIAN SIGNAL HEAD, 2 FACE	2	EACH
PEDESTRIAN PUSH-BUTTON	2	EACH
ELECTRIC CABLE, AERIAL SUSPENDED SIGNAL NO. 6, 1/C WITH SPAN WIRE & TETHER	100	FOOT
TEMPORARY VIDEO DETECTION SYSTEM	1	EACH
400 W HPS COBRAHEAD LUMINARIES MOUNTED TO MAST ARMS ON TEMP. POLES CLOSEST TO INTERSECTION	4	EACH





TEMPORARY VIDEO DETECTION SYSTEM BILL OF MATERIALS

DESCRIPTION	QUANTITY	UNITS
MACHINE VISION PROCESSOR	1	EACH
AUTOSCOPE IMAGE SENSOR	4	EACH
VIDEO ELECTRIC CABLE IN CONDUIT, NO. 16 3/C	645	FOOT
VIDEO BELDEN 8281 COAXIAL CABLE IN CONDUIT	645	FOOT
15 FT MAST ARM MOUNTED TO TEMP. WOOD POLES FOR CONNECTION OF VIDEO CAMERA	4	EACH

CONTROLLER SEQUENCE



LEGEND

-  VEHICULAR PHASE
-  RIGHT-TURN OVERLAP
-  PEDESTRIAN PHASE
-  NUMBER REFERRING TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TEMPORARY TRAFFIC SIGNAL CABLE PLAN
IL RTE 71
FOREST AVE.

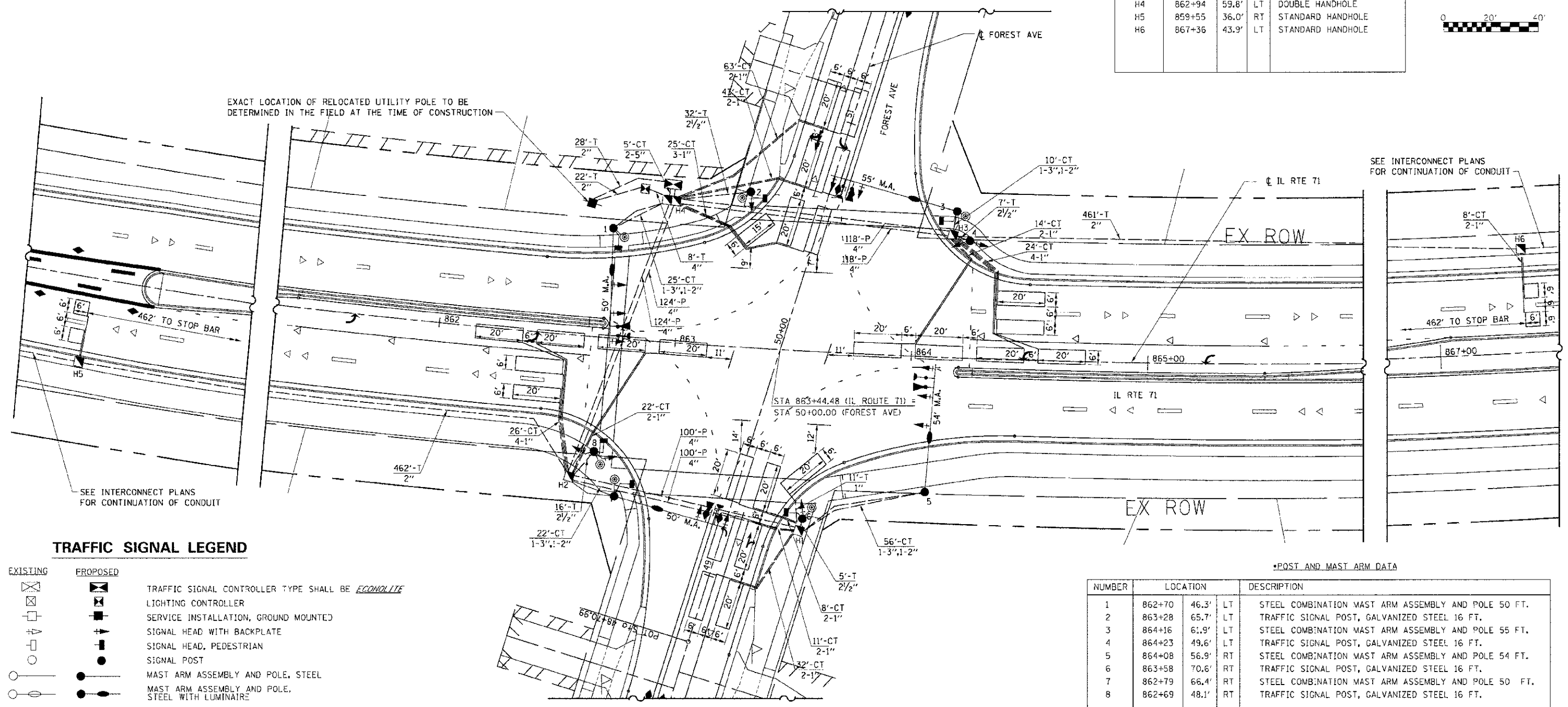
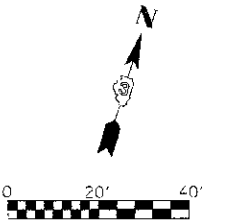
SCALE: N.T.S.
 DATE: 7/9/2012

DRAWN BY NMR
 CHECKED BY DJL

F.A.P. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311 41-DR	KENDALL	514	377
STA.	TO STA.		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			

HANDHOLE DATA

NUMBER	LOCATION	DESCRIPTION
H1	863+57 75.8'	RT STANDARD HANDHOLE
H2	862+60 59.6'	RT STANDARD HANDHOLE
H3	864+16 51.7'	LT STANDARD HANDHOLE
H4	862+94 59.8'	LT DOUBLE HANDHOLE
H5	859+55 36.0'	RT STANDARD HANDHOLE
H6	867+36 43.9'	LT STANDARD HANDHOLE



SEE INTERCONNECT PLANS FOR CONTINUATION OF CONDUIT

SEE INTERCONNECT PLANS FOR CONTINUATION OF CONDUIT

TRAFFIC SIGNAL LEGEND

EXISTING	PROPOSED	
		TRAFFIC SIGNAL CONTROLLER TYPE SHALL BE <i>ECONOLITE</i>
		LIGHTING CONTROLLER
		SERVICE INSTALLATION, GROUND MOUNTED
		SIGNAL HEAD WITH BACKPLATE
		SIGNAL HEAD, PEDESTRIAN
		SIGNAL POST
		MAST ARM ASSEMBLY AND POLE, STEEL
		MAST ARM ASSEMBLY AND POLE, STEEL WITH LUMINAIRE
		COMMON TRENCH
		HANDHOLE
		HEAVY DUTY HANDHOLE
		DOUBLE HANDHOLE
		P.V.C. CONDUIT IN TRENCH (T) OR PUSHED (P)
		PEDESTRIAN PUSHBUTTON DETECTOR TYPE 4EVR
		DETECTOR LOOP
		EMERGENCY VEHICLE LIGHT DETECTOR
		CONFIRMATION BEACON

*POST AND MAST ARM DATA

NUMBER	LOCATION	DESCRIPTION
1	862+70 46.3'	LT STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.
2	863+28 65.7'	LT TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
3	864+16 61.9'	LT STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT.
4	864+23 49.6'	LT TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
5	864+08 56.9'	RT STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT.
6	863+58 70.6'	RT TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
7	862+79 66.4'	RT STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.
8	862+69 48.1'	RT TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.

*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 TRAVELED LANES.

REVISIONS

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN
IL RTE 71
FOREST AVE

SCALE: 1"=20'
DATE: 7/9/2012

DRAWN BY: NMR
CHECKED BY: DJL

PLOT DATE = 7/9/2012
 PLOT SCALE = 20/2000 = 1/100
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F.A.P. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	01-11R	KENDALL	E14	378
STA. TO STA.			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

ILLINOIS ROUTE 71 AT FOREST AVE. ELECTRICAL LOAD CHART

ILLINOIS ROUTE 71	INDICATION	NUMBER	WATTAGE EACH	BURN TIME (%)
RED	10	10	10	35
YELLOW	10	22	22	5
GREEN	10	12	12	60
YELLOW ARROW	4	10	10	5
GREEN ARROW	4	5	5	10
PED. SIGNAL	4	25	25	100

FOREST AVE.	INDICATION	NUMBER	WATTAGE EACH	BURN TIME (%)
RED	6	10	10	75
YELLOW	6	22	22	5
GREEN	6	12	12	15
YELLOW ARROW	4	10	10	5
GREEN ARROW	4	5	5	10
PED. SIGNAL	2	25	25	100

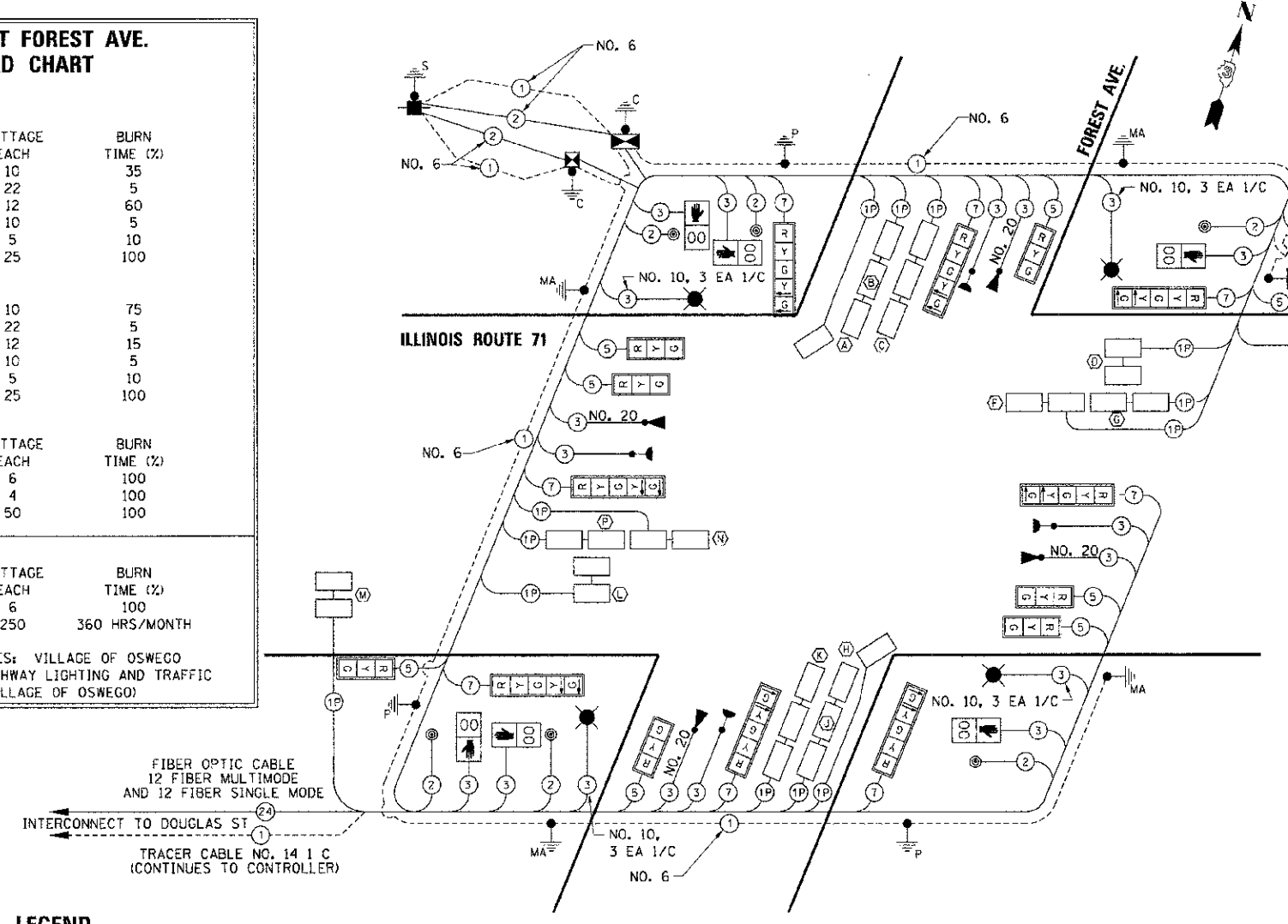
TRAFFIC SIGNAL CABINET	ITEM	NUMBER	WATTAGE EACH	BURN TIME (%)
CONTROLLER	1	6	6	100
LOOP DETECTORS	14	4	4	100
UPS	1	50	50	100

HIGHWAY LIGHTING	ITEM	NUMBER	WATTAGE EACH	BURN TIME (%)
CONTROLLER	1	6	6	100
LUMINAIRE	4	250	250	360 HRS/MONTH

AGENCY RESPONSIBLE FOR ENERGY CHARGES: VILLAGE OF OSWEGO
(NOTE: SEPERATE ENERGY BILLS FOR HIGHWAY LIGHTING AND TRAFFIC SIGNALS SHALL BE SUBMITTED TO THE VILLAGE OF OSWEGO)

SCHEDULE OF QUANTITIES

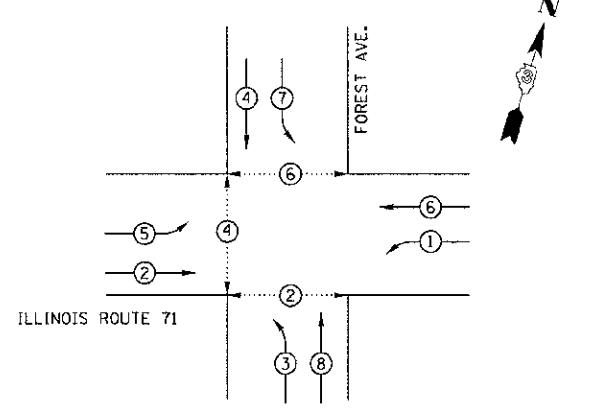
SIGN PANEL - TYPE 1	SQ FT	38
SIGN PANEL - TYPE 2	SQ FT	23
ELECTRIC SERVICE INSTALLATION	EACH	1
SERVICE INSTALLATION-GROUND MOUNTED	EACH	1
UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	688
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	1086
UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	60
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	113
UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	702
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	5
DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	2,787
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	4
LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240 VOLT, 60 AMP	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTIBLE POWER SUPPLY, EXTENDED	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	885
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,906
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,733
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,671
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	3,486
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	100
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE C	FOOT	8
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	66
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, LED 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	16
INDUCTIVE LOOP DETECTOR	EACH	14
DETECTOR LOOP, TYPE I	FOOT	2,091
LIGHT DETECTOR	EACH	4
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	6
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	4
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	774
ELECTRIC CABLE IN CONDUIT, NO. 20 3/C TWISTED SHIELD	FOOT	963



CABLE DIAGRAM LEGEND

EXISTING	PROPOSED	DESCRIPTION
[Symbol]	[Symbol]	TRAFFIC SIGNAL CONTROLLER TYPE SHALL BE <i>ECONOLITE</i>
[Symbol]	[Symbol]	LIGHTING CONTROLLER CABINET
[Symbol]	[Symbol]	SERVICE INSTALLATION, GROUND MOUNTED
[Symbol]	[Symbol]	VEHICLE DETECTOR, INDUCTION LOOP
[Symbol]	[Symbol]	LIGHT DETECTOR
[Symbol]	[Symbol]	CONFIRMATION BEACON
[Symbol]	[Symbol]	DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
[Symbol]	[Symbol]	LIGHTING UNIT
[Symbol]	[Symbol]	12" TRAFFIC SIGNAL SECTION
[Symbol]	[Symbol]	SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD.
[Symbol]	[Symbol]	12" PEDESTRIAN SIGNAL SECTION WITH COUNTDOWN TIMER & SIGN R10-3E
[Symbol]	[Symbol]	PEDESTRIAN PUSHBUTTON DETECTOR TYPE 4EVR
[Symbol]	[Symbol]	GROUND CABLE ROD AT HANDHOLE (H), DOUBLE HANDHOLE (HD), OR CONTROLLER (C)
[Symbol]	[Symbol]	GROUND ROD AT POST (P) OR MAST ARM (MA)
[Symbol]	[Symbol]	GROUND ROD AT ELECTRIC SERVICE INSTALLATION

CONTROLLER SEQUENCE



LEGEND

[Symbol]	VEHICULAR PHASE
[Symbol]	RIGHT-TURN OVERLAP
[Symbol]	PEDESTRIAN PHASE
[Symbol]	NUMBER REFERRING TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM

ILLINOIS ROUTE 71 AT FOREST AVE. DETECTOR LOOP INDUCTANCE CHART

LOOP SYSTEM	PHASE	LABEL	NO. OF TURNS	INDUCTANCE (MICROHENRIES)	FREQUENCY (HERTZ)	J PIN STATUS
A	4	SB TH-RT FR	4	484	27.742	ON
B	4	SB TH-RT BK	4	542	26.216	ON
C	7	SBLT	4	802	21.551	ON
D	6	WB STBR	4	559	25.814	OFF
E	6	WB FAR	6	610	24.711	ON
F	1	WBLT FR	4	557	25.860	ON
G	1	WBLT BK	4	559	25.814	ON
H	8	WB TH-RT FR	4	581	25.321	ON
J	8	NB TH-RT BK	4	585	25.234	ON
K	3	NBLT	4	845	20.996	ON
L	2	EB STBR	4	561	25.768	OFF
M	2	EB FAR	6	608	24.752	ON
N	5	EBLT FR	4	558	25.837	ON
P	5	EBLT BK	4	561	25.768	ON

NOTES:

- A SELF ADHERING PHASING DIAGRAM SHALL BE PLACED INSIDE THE CABINET DOOR.
- FIBER OPTIC CABLE NEEDS DIRECTION AND ASSIGNMENT NUMBER ON EACH FIBER CABLE.
- LIGHTING CABLES SHALL BE RUN IN CONDUIT THAT IS SEPARATE FROM THE TRAFFIC SIGNAL CONDUIT.

REVISIONS

NAME	DATE

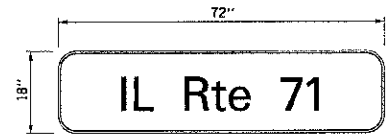
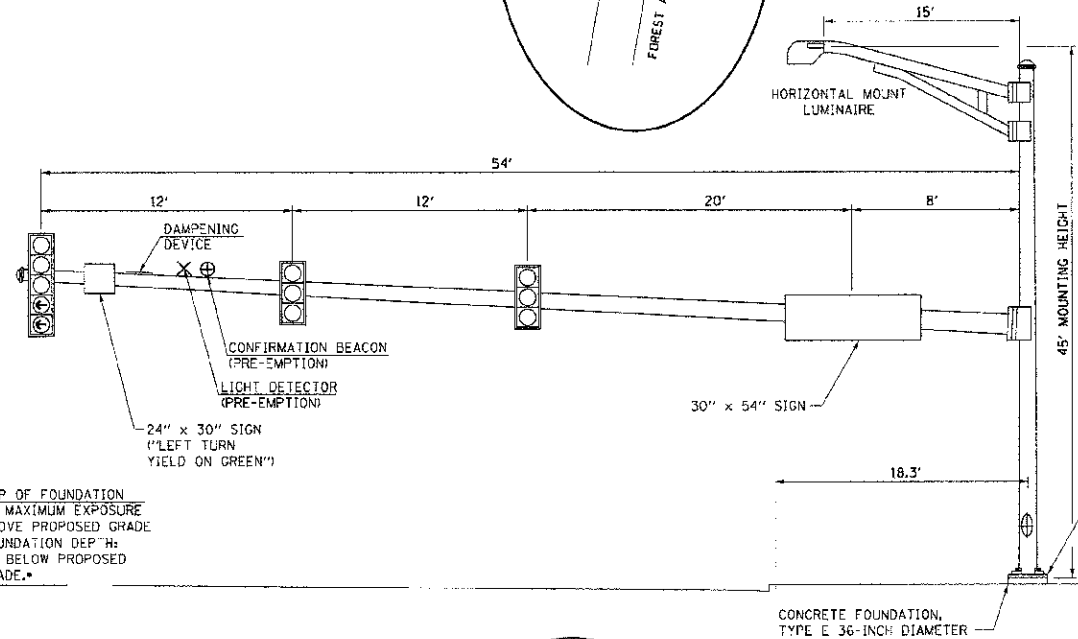
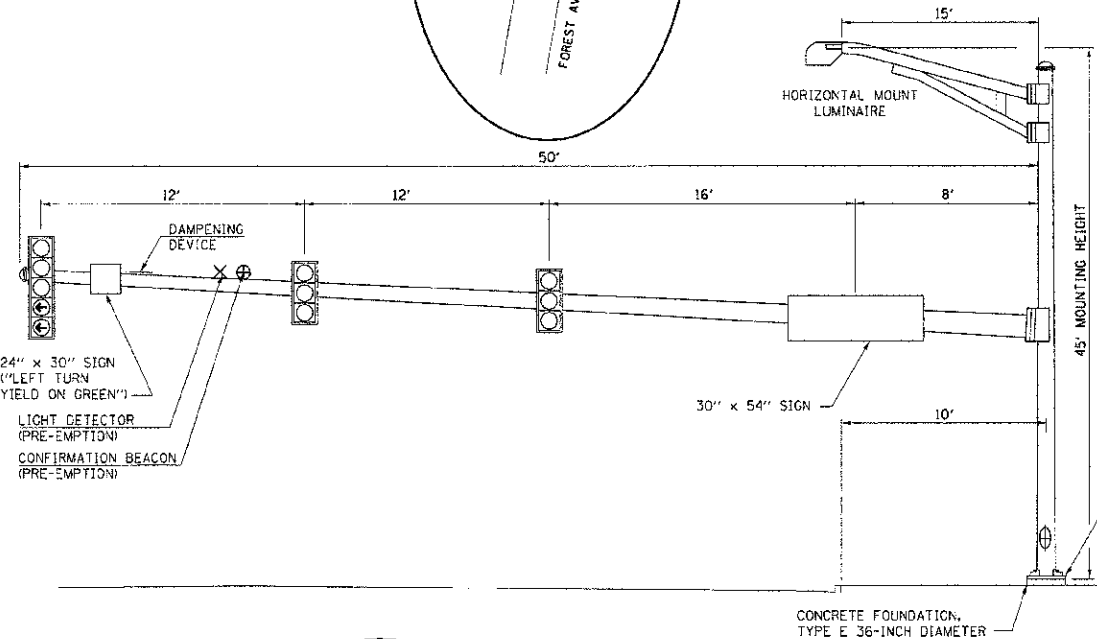
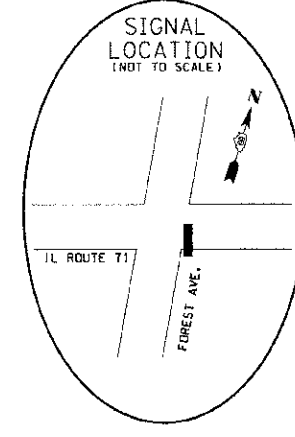
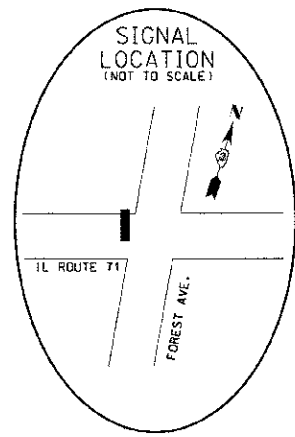
ILLINOIS DEPARTMENT OF TRANSPORTATION

**TRAFFIC SIGNAL CABLE PLAN
IL RTE 71
FOREST AVE.**

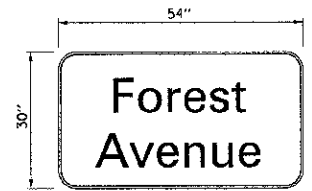
SCALE: N.T.S.
DATE: 7/9/2012

DRAWN BY: NMR
CHECKED BY: DJL

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	1-11R	KENDALL	514	375
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



3.0 SO. FT. EACH
2 REQUIRED
DESIGN SERIES D
8" HIGH LETTERS



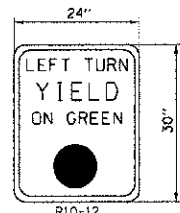
1.25 SO. FT. EACH
2 REQUIRED
DESIGN SERIES D
8" HIGH LETTERS

STREET NAME SIGN DETAIL

THESE STREET NAME SIGNS SHALL BE PLACED ON THE MAST ARMS PARALLEL TO THE RESPECTIVE ROUTE AS DIRECTED BY THE ENGINEER.

STREET NAME SIGNS

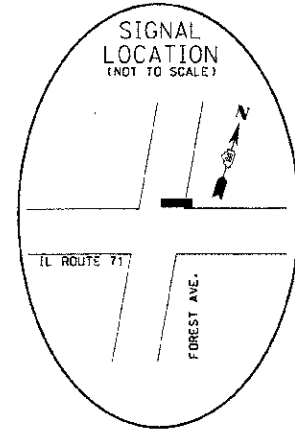
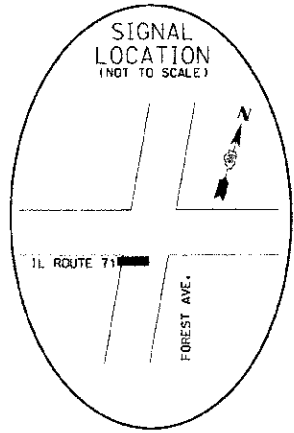
1. TYPE Z2 SHEETING REQUIRED
2. WHITE LETTERING ON GREEN BACKGROUND
3. 3/4" WHITE BORDER



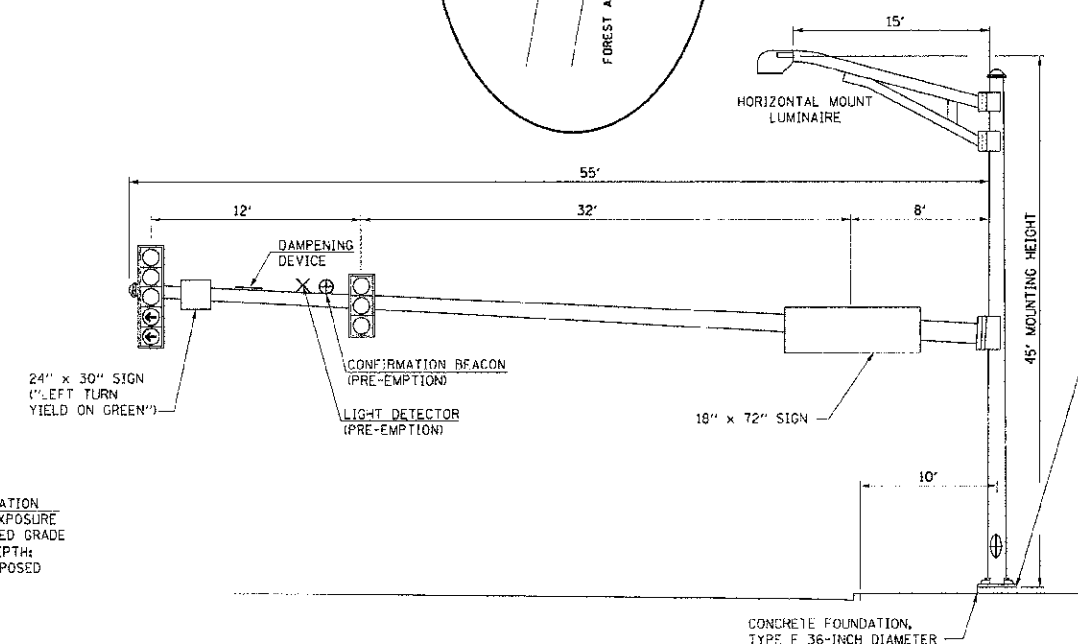
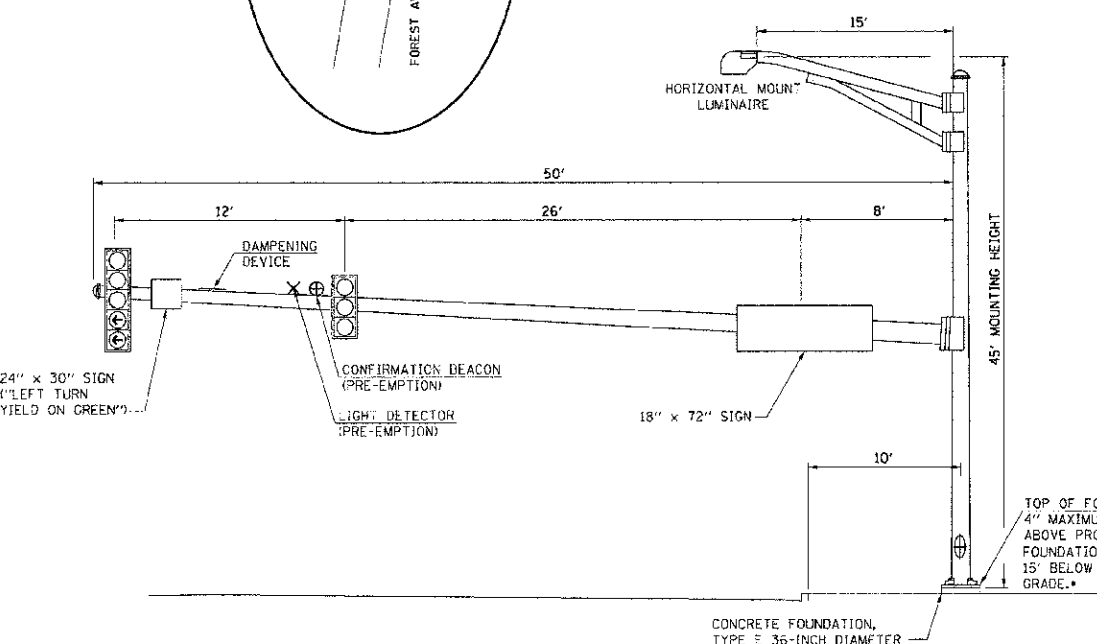
R10-12
TYPE "A" SHEETING REQUIRED
5.0 SO. FT. EACH
4 REQUIRED

LEFT TURN CONTROL SIGN DETAIL

THIS SIGN SHALL BE LOCATED 6 TO 12 INCHES TO THE RIGHT OF THE MAST ARM MOUNTED LEFT TURN SIGNAL HEAD.



*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.



NOTES

1. ALL SIGNAL HEADS HAVE BACKPLATES.
2. ALL MAST ARM FOUNDATIONS TO BE 36" DIAMETER.
3. DAMPENING DEVICE SHALL CONSIST OF A 24" X 30" TYPE-I, UNPAINTED ALUMINUM SIGN STOCK MOUNTED HORIZONTALLY ON TOP OF MAST ARM WITH THE 30" LENGTH PERPENDICULAR TO THE ARM. COST OF THE DAMPENING DEVICE SHALL BE INCLUDED IN THE MAST ARM PAY ITEM.
4. ARM SUPPORT FOR LUMINAIRE SHALL BE PARALLEL TO MAST ARM.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
MAST ARM LOADING DIAGRAMS
IL ROUTE 71
FOREST AVE.

SCALE: N.T.S.
DATE: 7/9/2012

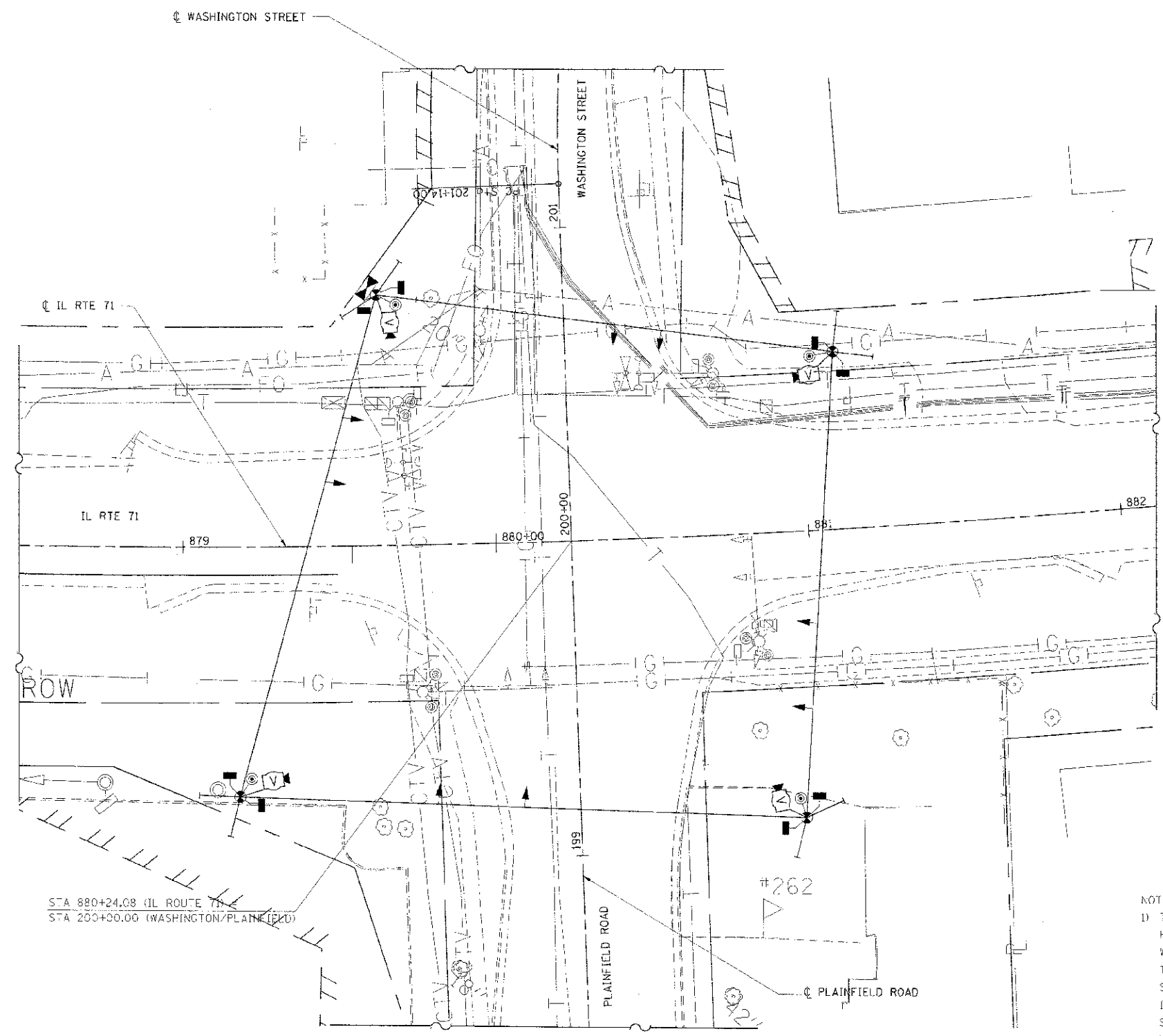
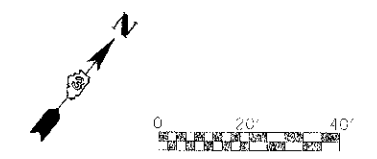
DRAWN BY NMR
CHECKED BY DJL

PLOT DATE = 7/9/2012
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 PLOT SCALE = 3/8" = 1'-0"

F.A.P. NO.	SECTION	COUNTY	TOTAL SHEET NO.
311	(1-1)R	KENDALL	514 / 380
STA.	10 STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

TEMPORARY TRAFFIC SIGNAL LEGEND

- TEMPORARY TRAFFIC SIGNAL CONTROLLER
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY SIGNAL HEAD
- TEMPORARY SIGNAL HEAD, PEDESTRIAN, BRACKET MOUNTED
- TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT MINIMUM
- TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
- TEMPORARY PEDESTRIAN PUSHBUTTON DETECTOR
- TEMPORARY VIDEO DETECTION CAMERA



TRAFFIC SIGNAL REMOVAL NOTES

- THE FOLLOWING EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE STATE:
- 1 EACH - CONTROLLER CABINET (COMPLETE)
 - 2 EACH - LIGHT DETECTORS (WITH CONFIRMATION BEACONS)
 - 1 EACH - LIGHT DETECTOR AMPLIFIER
 - 4 EACH - HANDHOLE COVERS
- THE FOLLOWING EQUIPMENT SHALL BE STOCKPILED IN A SECURE LOCATION BY THE CONTRACTOR FOR PICKUP BY THE VILLAGE:
- 4 EACH - SIGNAL HEAD, 1-FACE 3-SECTION
 - 10 EACH - SIGNAL HEAD, 1-FACE 5-SECTION
 - 14 EACH - TRAFFIC SIGNAL BACKPLATE
 - 8 EACH - PEDESTRIAN SIGNAL HEAD, 1-FACE, 2 SECTION
 - 8 EACH - PEDESTRIAN PUSHBUTTON
- THE FOLLOWING EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE.
- 4 EACH - STEEL MAST ARM AND POLE
 - 1 EACH - SIGNAL POST
 - 4 EACH - HANDHOLE
 - 6 EACH - CONCRETE FOUNDATION
 - 1 EACH - SERVICE INSTALLATION

EXISTING EQUIPMENT TO BE REMOVED LEGEND

- EXISTING TRAFFIC SIGNAL CONTROLLER AND FOUNDATION
- EXISTING SERVICE INSTALLATION
- EXISTING SIGNAL HEAD WITH BACKPLATE
- EXISTING SIGNAL HEAD, PEDESTRIAN
- EXISTING SIGNAL POST
- EXISTING MAST ARM ASSEMBLY AND POLE, STEEL
- EXISTING MAST ARM ASSEMBLY AND POLE, STEEL WITH LUMINAIRE
- EXISTING HANDHOLE
- EXISTING HEAVY DUTY HANDHOLE
- EXISTING DOUBLE HANDHOLE
- EXISTING PEDESTRIAN PUSHBUTTON DETECTOR
- EXISTING WOOD POLE
- EXISTING LUMINAIRE
- EXISTING LIGHTING CONTROLLER
- EXISTING EMERGENCY VEHICLE LIGHT DETECTOR
- EXISTING LIGHTING CONTROLLER

NOTE:
 1) 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 INCIDENTAL TO 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.

REVISIONS	
NAME	DATE
BDD	8-6-12

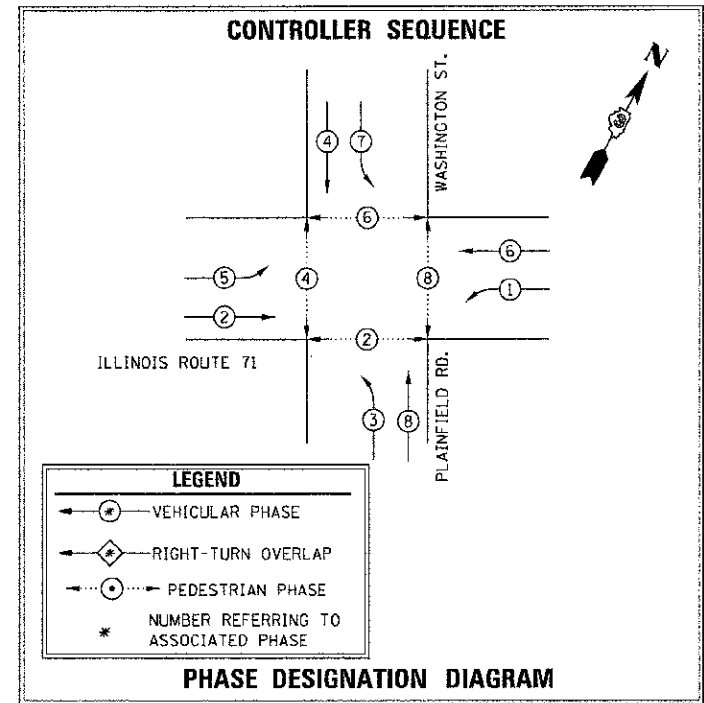
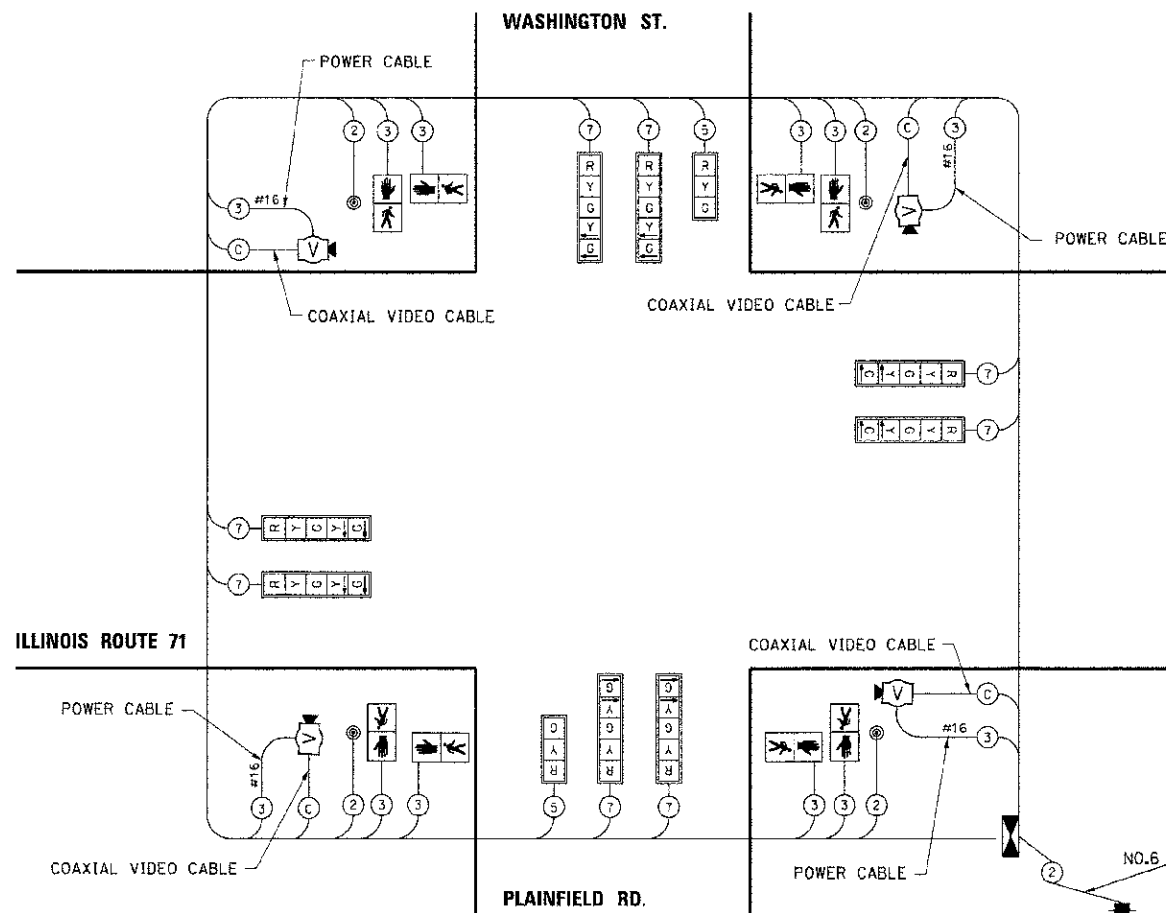
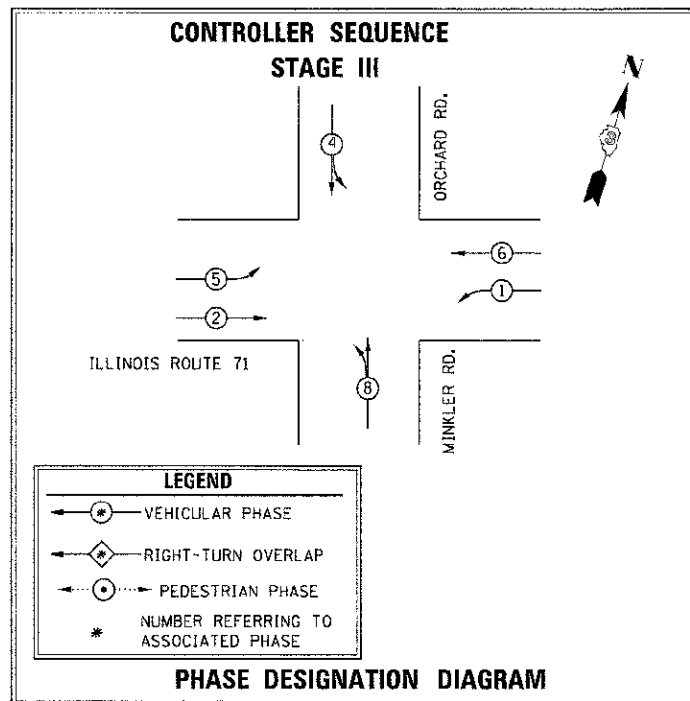
ILLINOIS DEPARTMENT OF TRANSPORTATION
TEMPORARY TRAFFIC SIGNAL PLAN
IL RTE 71
WASHINGTON ST./ PLAINFIELD RD
 SCALE: 1"=20'
 DATE: 7/9/2012
 DRAWN BY: NMR
 CHECKED BY: DJL

PLOT DATE: 8/7/2012
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 PLOT SCALE: 1"=20'

F.A.P. RTE. 1	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R	KENDALL	514	381
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TEMPORARY CABLE DIAGRAM LEGEND

- TEMPORARY 12" TRAFFIC SIGNAL SECTION
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY SIGNAL HEAD, PEDESTRIAN
- DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED
- TEMPORARY PEDESTRIAN PUSH-BUTTON DETECTOR
- TEMPORARY VIDEO DETECTION CAMERA



NOTE:

- 1) DURING MAINTENANCE OF TRAFFIC STAGES THAT DO NOT REQUIRE A PROTECTED LEFT TURN PHASE, THE ASSOCIATED LEFT TURN ARROW SECTIONS SHALL BE DISABLED AND APPROPRIATELY BAGGED.
- 2) THE TEMPORARY PEDESTRIAN TRAFFIC SIGNALS CONTROLLING PEDESTRIAN MOVEMENT CROSSING THE SCHOOL ENTRANCES SHALL BE PRE-TIMED.
- 3) BAG PEDESTRIAN HEADS DURING STAGES IN WHICH NO SIDEWALK TRAFFIC IS ALLOWED.
- 4) SPLIT PHASE TIMING ON SIDE ROADS YELLOW ARROW TIME SHALL BE THE SAME TIME AS THE YELLOW BALL TIME.

TEMPORARY TRAFFIC SIGNAL INSTALLATION

DESCRIPTION	QUANTITY	UNITS
WOOD POLES, CLASS 5, 45' W/ GUY WIRE AND ANCHORS	4	EACH
ELECTRIC CABLE, AERIAL SUSPENDED SIGNAL NO. 14, 2C, WITH SPAN WIRE & TETHER	778	FOOT
ELECTRIC CABLE, AERIAL SUSPENDED SIGNAL NO. 14, 3C, WITH SPAN WIRE & TETHER	1556	FOOT
ELECTRIC CABLE, AERIAL SUSPENDED SIGNAL NO. 14, 5C, WITH SPAN WIRE & TETHER	1500	FOOT
ELECTRIC CABLE, AERIAL SUSPENDED SIGNAL NO. 14, 7C, WITH SPAN WIRE & TETHER	2092	FOOT
ELECTRIC CABLE, AERIAL SUSPENDED SIGNAL NO. 2, 1/C, WITH SPAN WIRE & TETHER	100	FOOT
TEMPORARY TRAFFIC SIGNAL CONTROLLER	1	EACH
SIGNAL HEAD, 1 FACE, 3 SECTION, 12" LENSES	2	EACH
SIGNAL HEAD, 1 FACE, 5 SECTION, 12" LENSES	8	EACH
PEDESTRIAN SIGNAL HEAD, 2 FACE	8	EACH
PEDESTRIAN PUSH-BUTTON	4	EACH
ELECTRIC CABLE, AERIAL SUSPENDED SIGNAL NO. 6, 1/C WITH SPAN WIRE & TETHER	100	FOOT
TEMPORARY VIDEO DETECTION SYSTEM	1	EACH
400 W HPS COBRAHEAD LUMINARIES MOUNTED TO MAST ARMS ON TEMP. POLES CLOSEST TO INTERSECTION	4	EACH

TEMPORARY VIDEO DETECTION SYSTEM BILL OF MATERIALS

DESCRIPTION	QUANTITY	UNITS
MACHINE VISION PROCESSOR	1	EACH
AUTOSCOPE IMAGE SENSOR	4	EACH
VIDEO ELECTRIC CABLE IN CONDUIT, NO. 16 3/C	778	FOOT
VIDEO BELDEN B281 COAXIAL CABLE IN CONDUIT	778	FOOT
15 FT MAST ARM MOUNTED TO TEMP. WOOD POLES FOR CONNECTION OF VIDEO CAMERA	4	EACH

PLOT DATE = 7/9/2012
 FILE NAME = \\sds3\oswego\chase\11\016\IL71\WSPH_Plan_TFB.dgn
 PLOT SCALE = 20:1000 1"=100'

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION TEMPORARY TRAFFIC SIGNAL CABLE PLAN IL RTE 71 WASHINGTON/PLAINFIELD
NAME	DATE	
		SCALE: N.T.S. DATE: 7/9/2012

DRAWN BY NMR
CHECKED BY DJL

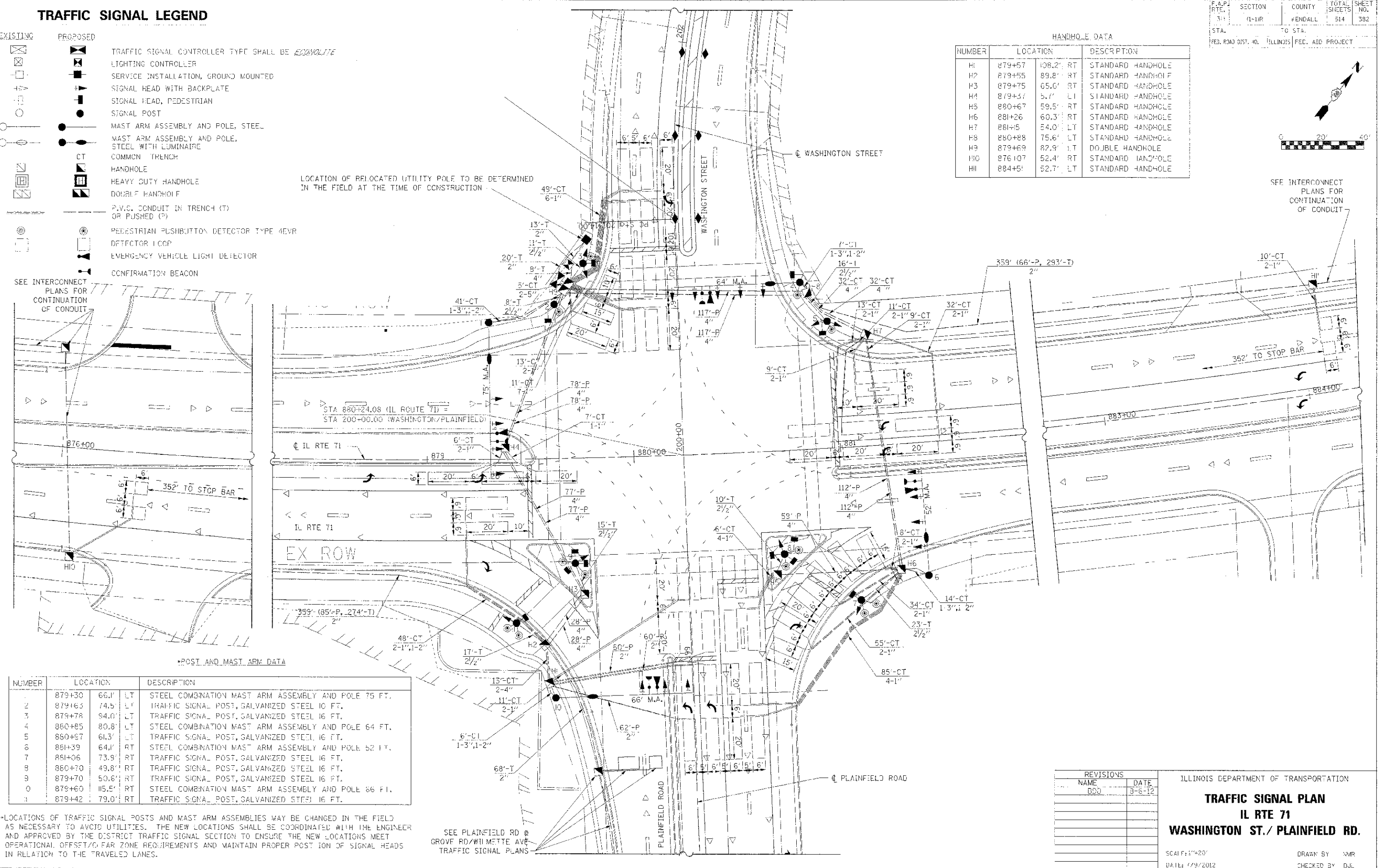
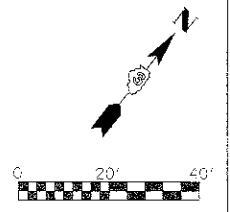
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
31	01-11R	KENDALL	514	382
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

TRAFFIC SIGNAL LEGEND

- | | | |
|--|--|--|
| | | TRAFFIC SIGNAL CONTROLLER TYPE SHALL BE <i>ECOVOLITE</i> |
| | | LIGHTING CONTROLLER |
| | | SERVICE INSTALLATION, GROUND MOUNTED |
| | | SIGNAL HEAD WITH BACKPLATE |
| | | SIGNAL HEAD, PEDESTRIAN |
| | | SIGNAL POST |
| | | MAST ARM ASSEMBLY AND POLE, STEEL |
| | | MAST ARM ASSEMBLY AND POLE, STEEL WITH LUMINAIRE |
| | | COMMON TRENCH |
| | | HANDHOLE |
| | | HEAVY DUTY HANDHOLE |
| | | DOUBLE HANDHOLE |
| | | P.V.C. CONDUIT IN TRENCH (T) OR PUSHED (P) |
| | | PEDESTRIAN PUSHBUTTON DETECTOR TYPE 4EVR |
| | | DETECTOR LOOP |
| | | EMERGENCY VEHICLE LIGHT DETECTOR |
| | | CONFIRMATION BEACON |

HANDHOLE DATA

NUMBER	LOCATION	DESCRIPTION
H1	879+57 108.2' RT	STANDARD HANDHOLE
H2	879+55 89.8' RT	STANDARD HANDHOLE
H3	879+75 65.6' RT	STANDARD HANDHOLE
H4	879+37 5.7' LT	STANDARD HANDHOLE
H5	880+67 59.5' RT	STANDARD HANDHOLE
H6	881+26 60.3' RT	STANDARD HANDHOLE
H7	881+5 34.0' LT	STANDARD HANDHOLE
H8	880+88 75.6' LT	STANDARD HANDHOLE
H9	879+69 82.9' LT	DOUBLE HANDHOLE
H10	876+07 52.4' RT	STANDARD HANDHOLE
H11	884+51 52.7' LT	STANDARD HANDHOLE



*POST AND MAST ARM DATA

NUMBER	LOCATION	DESCRIPTION
1	879+30 66.1' LT	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 75 FT.
2	879+63 74.5' LT	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.
3	879+78 94.0' LT	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
4	880+85 80.8' LT	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 64 FT.
5	880+87 61.3' LT	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
6	881+39 64.1' RT	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 52 FT.
7	881+06 73.9' RT	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
8	880+70 49.8' RT	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
9	879+70 50.6' RT	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
10	879+60 115.5' RT	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 66 FT.
11	879+42 79.0' RT	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.

*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 TRAVELED LANES.

SEE PLAINFIELD RD @ GROVE RD/WILMETTE AVE TRAFFIC SIGNAL PLANS

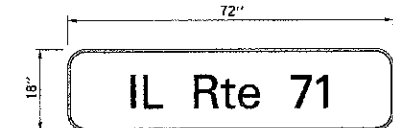
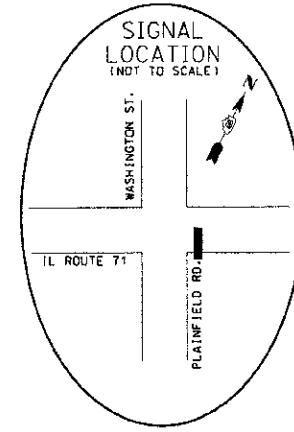
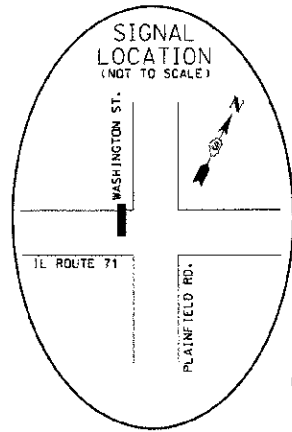
REVISIONS

NAME	DATE
DDJ	8-8-12

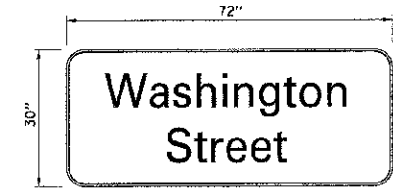
ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL PLAN
IL RTE 71
WASHINGTON ST./PLAINFIELD RD.
 SCALE: 1"=20'
 DATE: 6/9/2012
 DRAWN BY: NWR
 CHECKED BY: DJL

ILL. STATE ROAD & BRIDGE DIST. 11/14/2012
 PROJECT NO. 66420
 SHEET NO. 382 OF 514

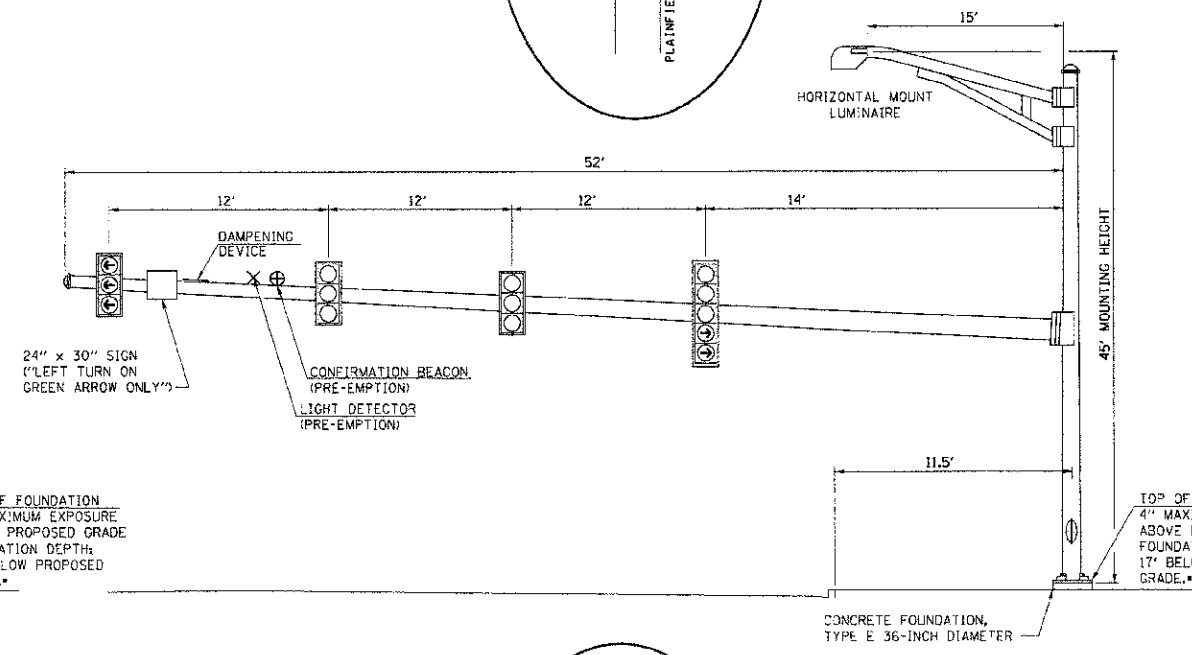
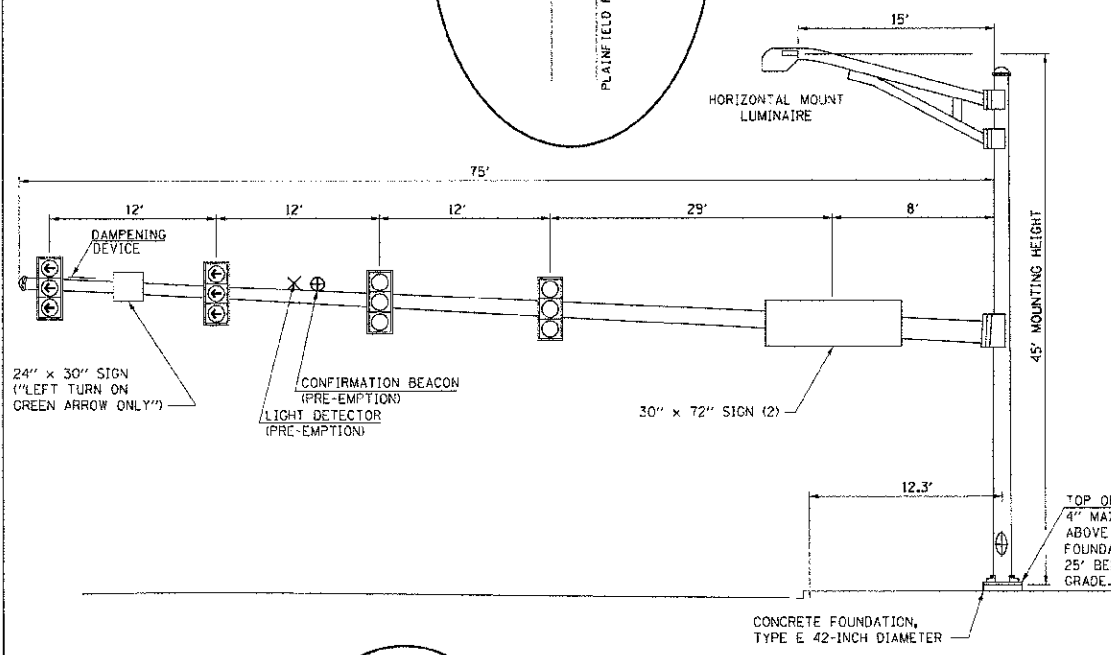
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R	KENDALL	514	384
STA.	TO STA.			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



9.0 SQ. FT. EACH
2 REQUIRED
DESIGN SERIES D
8" HIGH LETTERS



15.0 SQ. FT. EACH
2 REQUIRED
DESIGN SERIES D
8" HIGH LETTERS

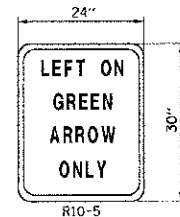


STREET NAME SIGN DETAIL

THESE STREET NAME SIGNS SHALL BE PLACED ON THE MAST ARMS PARALLEL TO THE RESPECTIVE ROUTE AS DIRECTED BY THE ENGINEER.

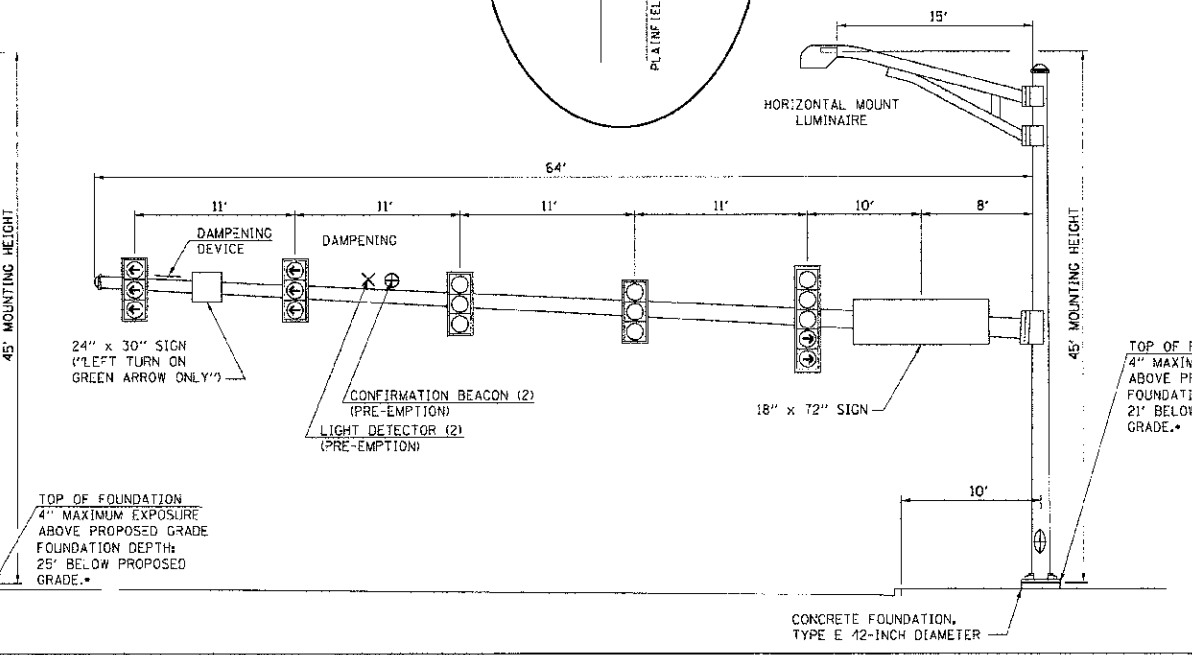
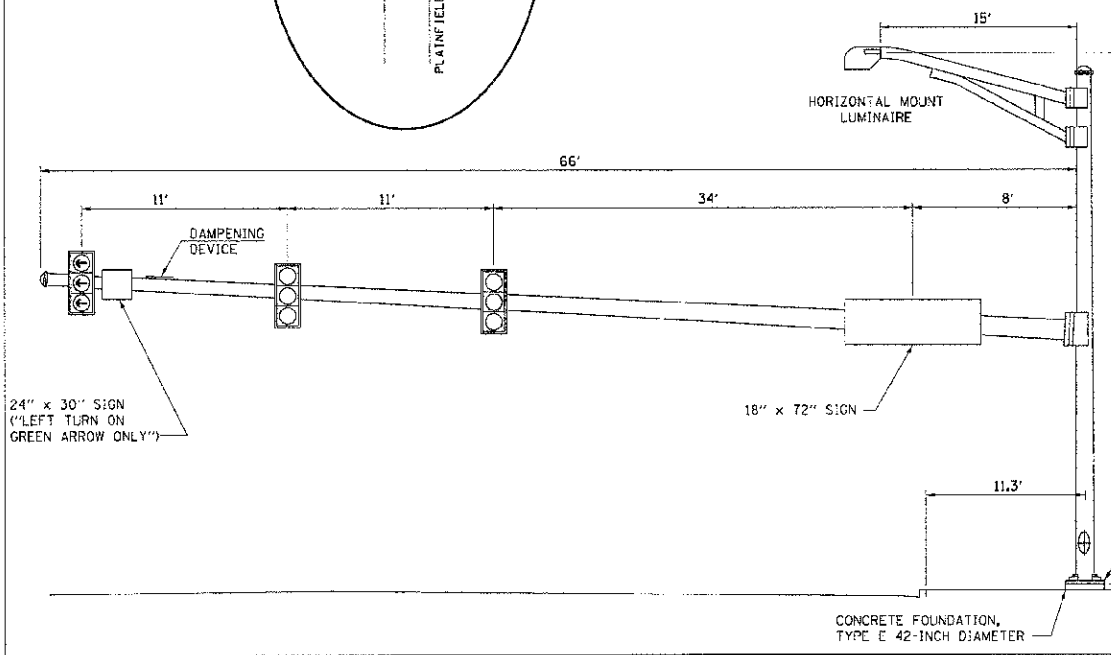
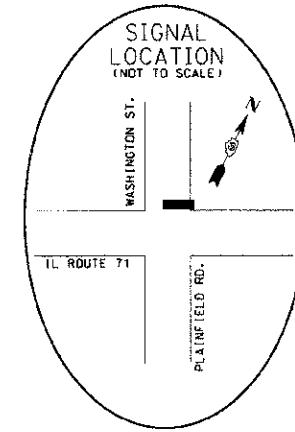
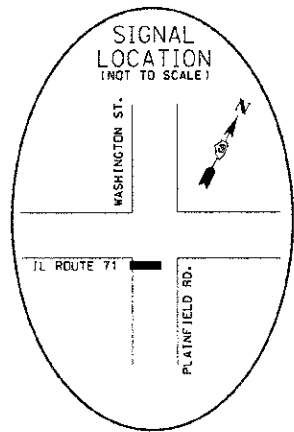
STREET NAME SIGNS

1. TYPE 22 SHEETING REQUIRED
2. WHITE LETTERING ON GREEN BACKGROUND
3. 3/4" WHITE BORDER



TYPE "A" SHEETING REQUIRED
5.0 SQ. FT. EACH
4 REQUIRED

*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 TSP. PRIOR TO FOUNDATION INSTALLATION, THE CONTRACTOR SHALL VERIFY THE SOIL STRENGTH TO THE DEPTH OF THE FOUNDATION AT EACH PROPOSED LOCATION.



LEFT TURN CONTROL SIGN DETAIL

THIS SIGN SHALL BE LOCATED 6 TO 12 INCHES TO THE RIGHT OF THE MAST ARM MOUNTED LEFT TURN SIGNAL HEAD.

NOTES

1. ALL SIGNAL HEADS HAVE BACKPLATES.
2. ALL MAST ARM FOUNDATIONS TO BE 36" OR 42" DIAMETER.
3. DAMPENING DEVICE SHALL CONSIST OF A 24" X 30" TYPE-1, UNPAINTED ALUMINUM SIGN STOCK MOUNTED HORIZONTALLY ON TOP OF MAST ARM WITH THE 30" LENGTH PERPENDICULAR TO THE ARM. COST OF THE DAMPENING DEVICE SHALL BE INCLUDED IN THE MAST ARM PAY ITEM.
4. ARM SUPPORT FOR LUMINAIRE SHALL BE PARALLEL TO MAST ARM.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
MAST ARM LOADING DIAGRAMS
IL ROUTE 71
WASHINGTON ST./PLAINFIELD RD.

SCALE: N.T.S.
DATE: 7/9/2012

DRAWN BY NMR
CHECKED BY DJL

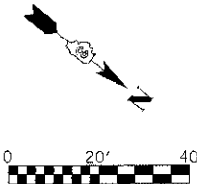
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-10R)	KENDALL	514	387
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TRAFFIC SIGNAL LEGEND

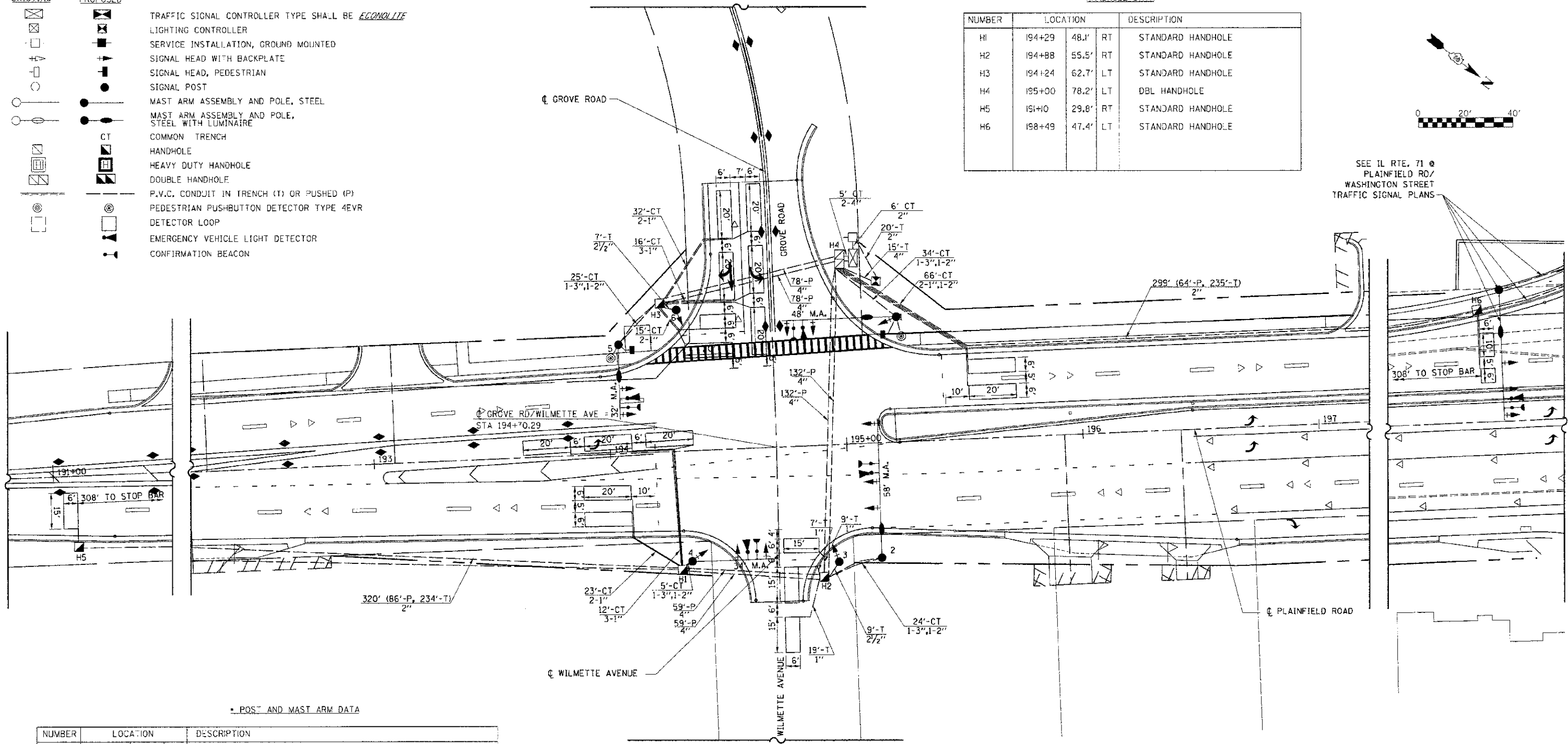
EXISTING	PROPOSED	DESCRIPTION
		TRAFFIC SIGNAL CONTROLLER TYPE SHALL BE <i>EGONOLITE</i>
		LIGHTING CONTROLLER
		SERVICE INSTALLATION, GROUND MOUNTED
		SIGNAL HEAD WITH BACKPLATE
		SIGNAL HEAD, PEDESTRIAN
		SIGNAL POST
		MAST ARM ASSEMBLY AND POLE, STEEL
		MAST ARM ASSEMBLY AND POLE, STEEL WITH LUMINAIRE
		COMMON TRENCH
		HANDHOLE
		HEAVY DUTY HANDHOLE
		DOUBLE HANDHOLE
		P.V.C. CONDUIT IN TRENCH (T) OR PUSHED (P)
		PEDESTRIAN PUSHBUTTON DETECTOR TYPE 4EVR
		DETECTOR LOOP
		EMERGENCY VEHICLE LIGHT DETECTOR
		CONFIRMATION BEACON

HANDHOLE DATA

NUMBER	LOCATION	DESCRIPTION
H1	194+29 48.1' RT	STANDARD HANDHOLE
H2	194+88 55.5' RT	STANDARD HANDHOLE
H3	194+24 62.7' LT	STANDARD HANDHOLE
H4	195+00 78.2' LT	DBL HANDHOLE
H5	194+10 29.8' RT	STANDARD HANDHOLE
H6	198+49 47.4' LT	STANDARD HANDHOLE



SEE IL RTE. 71 @
PLAINFIELD RD/
WASHINGTON STREET
TRAFFIC SIGNAL PLANS



POST AND MAST ARM DATA

NUMBER	LOCATION	DESCRIPTION
1	195+23 52.8' LT	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.
2	195+3 48.3' RT	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 58 FT.
3	194+95 49.4' RT	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
4	194+33 46.5' RT	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT.
5	194+05 46.0' LT	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 32 FT.
6	194+30 59.7' LT	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.

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 TRAVELED LANES.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL PLAN
PLAINFIELD ROAD
GROVE RD./WILMETTE AVE.









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DATE: 7/9/2012

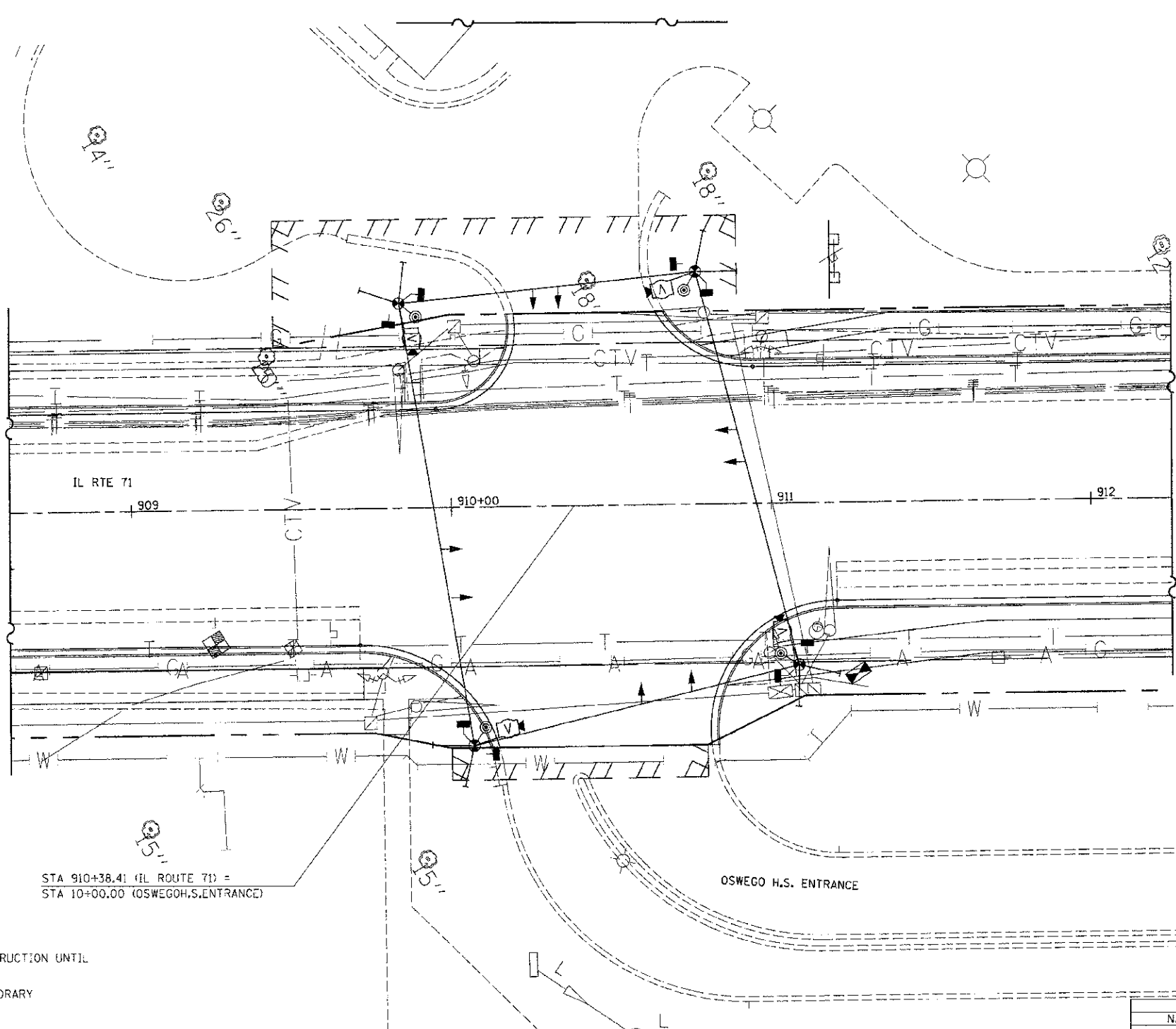
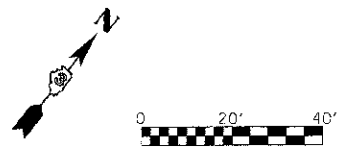
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CHECKED BY: DJL

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	C-11R	KENDALL	514	390
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

TEMPORARY TRAFFIC SIGNAL LEGEND

-  TEMPORARY TRAFFIC SIGNAL CONTROLLER
-  TEMPORARY SERVICE INSTALLATION
-  TEMPORARY SIGNAL HEAD
-  TEMPORARY SIGNAL HEAD, PEDESTRIAN, BRACKET MOUNTED
-  TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT MINIMUM
-  TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
-  TEMPORARY PEDESTRIAN PUSHBUTTON DETECTOR
-  TEMPORARY VIDEO DETECTION CAMERA



TRAFFIC SIGNAL REMOVAL NOTES

THE EXISTING SIGNAL LOCATIONS WERE INSTALLED WITH CONSIDERATION GIVEN TO THE PROPOSED ROADWAY IMPROVEMENTS. NO REMOVAL OF EXISTING SIGNAL EQUIPMENT IS REQUIRED AT THIS LOCATION.

NOTE:

- 1) 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 INCIDENTAL TO 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.
- 2) EXISTING SIGNAL HEADS AND CONFLICTING SIGNAGE SHALL BE BAGGED OR DISABLED DURING TEMPORARY SIGNAL OPERATIONS.
- 3) THE EXISTING LIGHTING SHALL REMAIN ON AND MAINTAINED DURING CONSTRUCTION UNTIL THE PERMANENT SIGNALS ARE BACK ON AND THE TEMPORARY SIGNALS ARE TAKEN DOWN. THIS COST WILL BE INCLUDED IN THE PAY ITEM FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.

STA 910+38.41 (IL ROUTE 71) =
STA 10+00.00 (OSWEGO H.S. ENTRANCE)

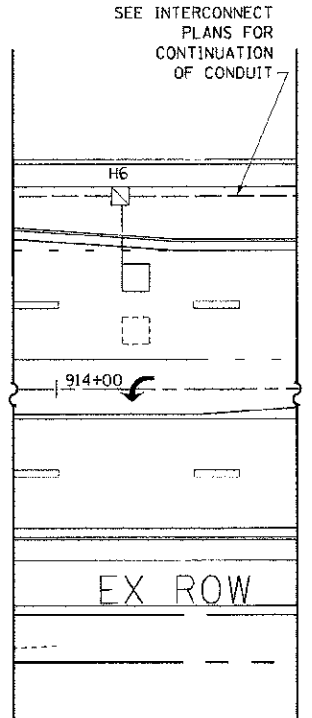
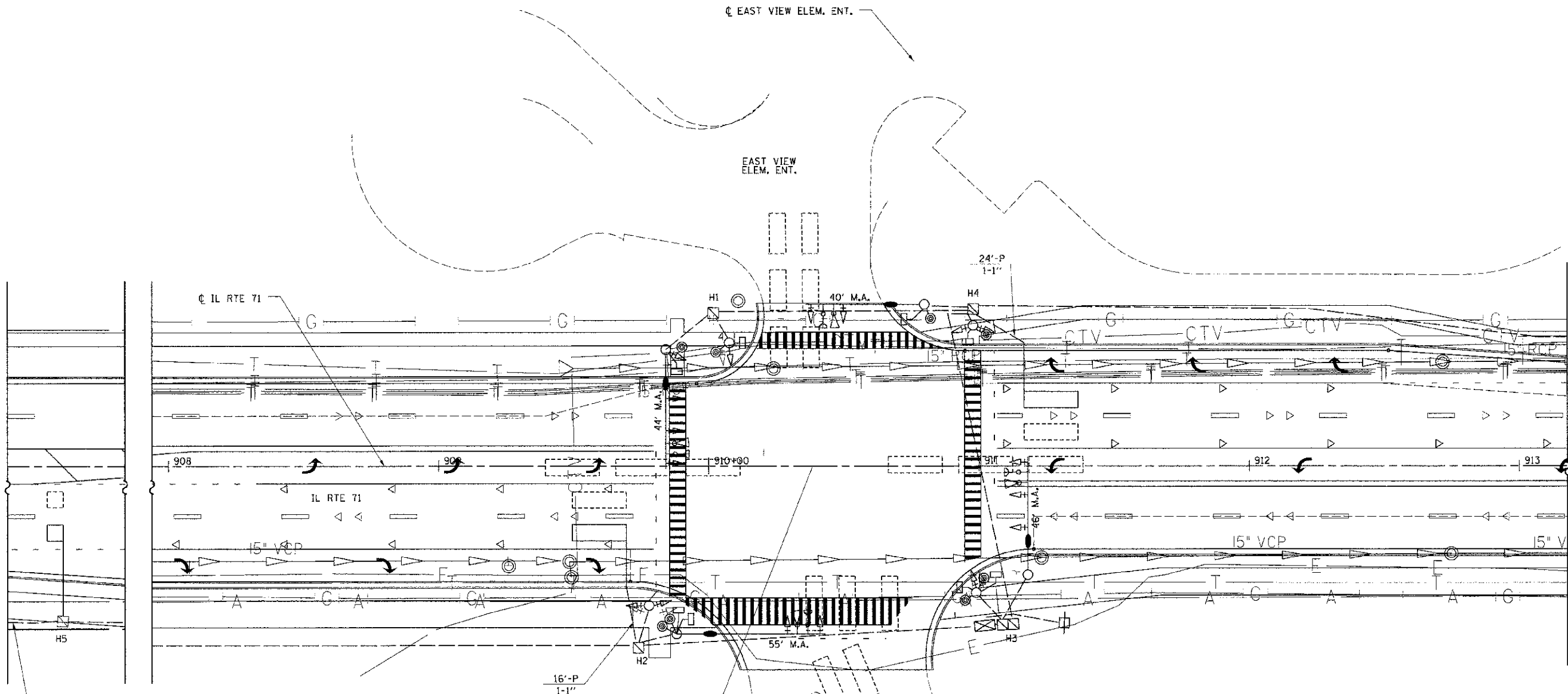
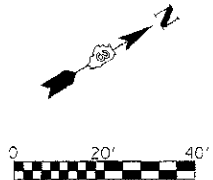
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TEMPORARY TRAFFIC SIGNAL PLAN
IL RTE 71
OSWEGO H.S. ENTRANCE

SCALE: 1"=20'
 DATE: 7/9/2012
 DRAWN BY: NMR
 CHECKED BY: DJL

PLOT DATE = 7/9/2012
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 PLOT SCALE = 2600000 / 1"

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R	KENDALL	514	392
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



SEE INTERCONNECT PLANS FOR CONTINUATION OF CONDUIT

TRAFFIC SIGNAL LEGEND

EXISTING	PROPOSED	
		TRAFFIC SIGNAL CONTROLLER <i>ECONOLITE</i>
		LIGHTING CONTROLLER
		SERVICE INSTALLATION
		SIGNAL HEAD WITH BACKPLATE
		SIGNAL HEAD, PEDESTRIAN
		SIGNAL POST
		MAST ARM ASSEMBLY AND POLE, STEEL
		MAST ARM ASSEMBLY AND POLE, STEEL WITH LUMINAIRE
		COMMON TRENCH
		HANDHOLE
		HEAVY DUTY HANDHOLE
		DOUBLE HANDHOLE
		P.V.C. CONDUIT IN TRENCH (T) OR PUSHED (P)
		PEDESTRIAN PUSHBUTTON DETECTOR TYPE AEVR
		DETECTOR LOOP
		EMERGENCY VEHICLE LIGHT DETECTOR
		CONFIRMATION BEACON

STA 910+38.41 (IL ROUTE 71) =
STA 10+00.00 (OSWEGO H.S. ENT.)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL PLAN
IL RTE 71
OSWEGO H.S. ENTRANCE

SCALE: 1"=20'
DATE: 7/9/2012

DRAWN BY: NMR
CHECKED BY: DJL

PLOT DATE = 7/9/2012
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-11R)	KENDALL	514	393
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

ILLINOIS ROUTE 71 AT OSWEGO H.S. ENTRANCE ELECTRICAL LOAD CHART

ILLINOIS ROUTE 71			
INDICATION	NUMBER	WATTAGE EACH	BURN TIME (%)
RED	12	10	30
YELLOW	12	22	5
GREEN	12	12	65
YELLOW ARROW	6	10	5
GREEN ARROW	6	5	10
PED. SIGNAL	4	25	100

OSWEGO H.S. ENT.			
INDICATION	NUMBER	WATTAGE EACH	BURN TIME (%)
RED	6	10	60
YELLOW	6	22	5
GREEN	6	12	35
YELLOW ARROW	4	10	5
GREEN ARROW	4	5	10
PED. SIGNAL	4	25	100

TRAFFIC SIGNAL CABINET			
ITEM	NUMBER	WATTAGE EACH	BURN TIME (%)
CONTROLLER	1	6	100
LOOP DETECTORS	13	4	100
UPS	1	50	100

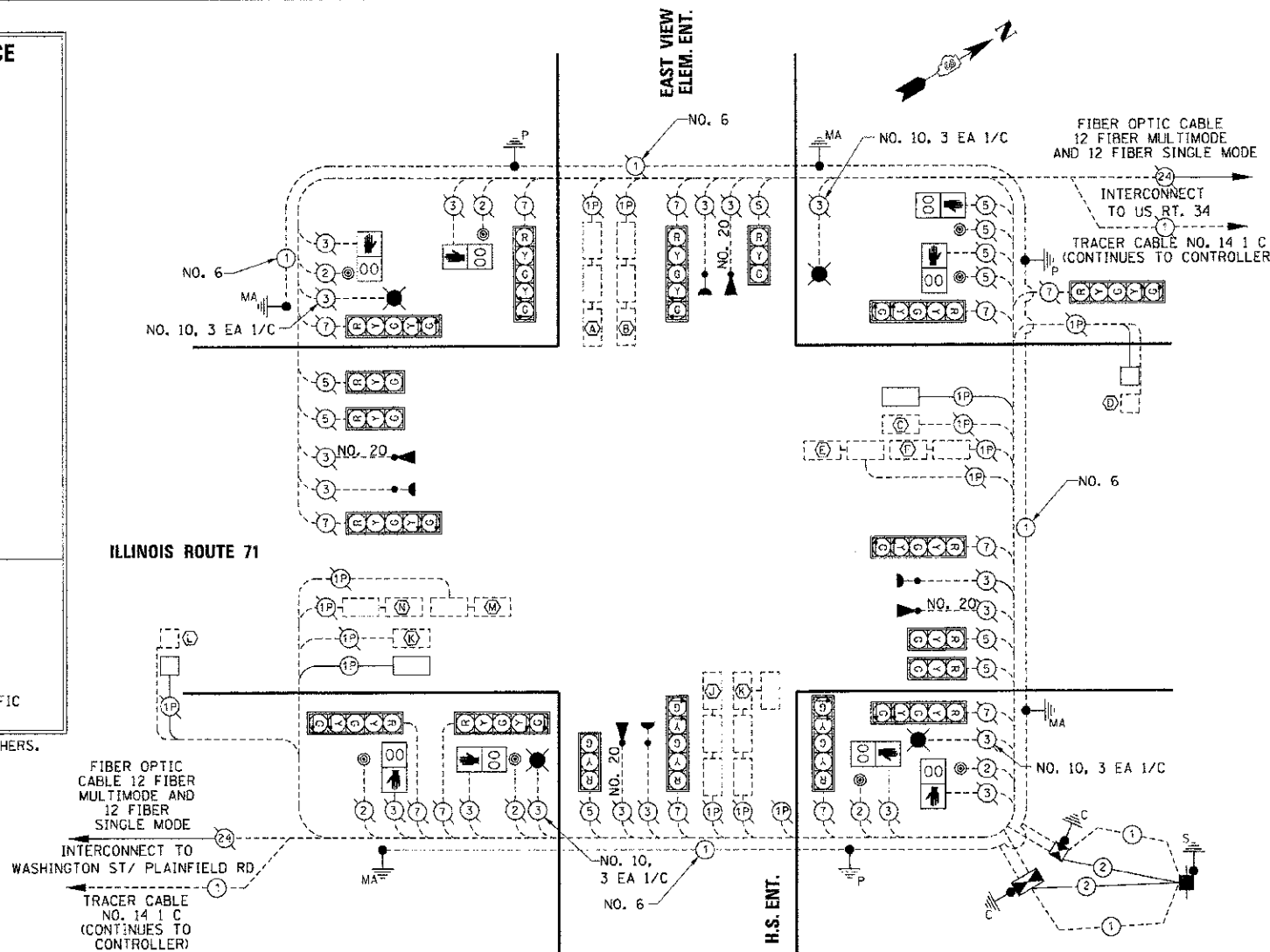
HIGHWAY LIGHTING			
ITEM	NUMBER	WATTAGE EACH	BURN TIME (%)
CONTROLLER	1	6	100
LUMINAIRE	4	250	360 HRS/MONTH

AGENCY RESPONSIBLE FOR ENERGY CHARGES: VILLAGE OF OSWEGO
 (NOTE: SEPERATE ENERGY BILLS FOR HIGHWAY LIGHTING AND TRAFFIC SIGNALS SHALL BE SUBMITTED TO THE VILLAGE OF OSWEGO)

NOTE: TABLE ABOVE INCLUDES EXISTING SIGNALS INSTALLED BY OTHERS.

SCHEDULE OF QUANTITIES

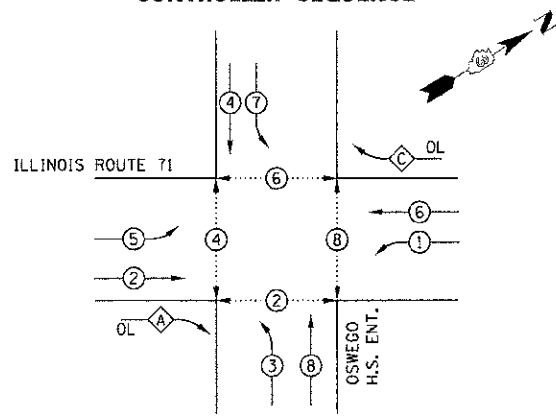
UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	58
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO.14 1 PAIR	FOOT	2342
INDUCTIVE LOOP DETECTOR	EACH	4
DETECTOR LOOP, TYPE 1	FOOT	1,522



CABLE DIAGRAM LEGEND

EXISTING	PROPOSED	DESCRIPTION
		TRAFFIC SIGNAL CONTROLLER CABINET <i>ECONOLITE</i>
		LIGHTING CONTROLLER CABINET
		SERVICE INSTALLATION
		VEHICLE DETECTOR, INDUCTION LOOP
		LIGHT DETECTOR
		CONFIRMATION BEACON
		DENOTES NUMBER OF CONDUCTORS, ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
		LIGHTING UNIT
		12" TRAFFIC SIGNAL SECTION
		SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD.
		12" PEDESTRIAN SIGNAL SECTION WITH COUNTDOWN TIMER
		PUSHBUTTON DETECTOR TYPE 4EVR
		GROUND CABLE ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C)
		GROUND ROD AT POST (P) OR MAST ARM (MA)
		GROUND ROD AT ELECTRIC SERVICE INSTALLATION

CONTROLLER SEQUENCE



LEGEND

	VEHICULAR PHASE
	RIGHT-TURN OVERLAP
	PEDESTRIAN PHASE
	NUMBER REFERRING TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM

ILLINOIS ROUTE 71 AT OSWEGO H.S. ENT. DETECTOR LOOP INDUCTANCE CHART

LOOP SYSTEM	PHASE	LABEL	NO. OF TURNS	INDUCTANCE (MICROHENRIES)	FREQUENCY (HERTZ)	J PIN STATUS
A	4	SB STBR	4	689	23,252	ON
B	7	SB LT	4	689	23,252	ON
C	6	WB STBR	4	560	25,791	OFF
D	6	WB FAR	6	612	24,671	ON
E	1	WB LT FR	4	556	25,884	ON
F	1	WB LT BK	4	564	25,699	ON
G	8	NB STBR FR	4	640	24,125	ON
H	8	NB STBR BK	4	745	22,361	ON
J	3	NB LT	4	795	21,646	ON
K	2	EB STBR	4	551	26,001	OFF
L	2	EB FAR	6	601	24,896	ON
M	5	EB LT FR	4	551	26,001	ON
N	5	EB LT BK	4	557	25,860	ON

NOTES:

- A SELF ADHERING PHASING DIAGRAM SHALL BE PLACED INSIDE THE CABINET DOOR.
- FIBER OPTIC CABLE NEEDS DIRECTION AND ASSIGNMENT NUMBER ON EACH FIBER CABLE.
- LIGHTING CABLES SHALL BE RUN IN CONDUIT THAT IS SEPARATE FROM THE TRAFFIC SIGNAL CONDUIT.

REVISIONS

NAME	DATE

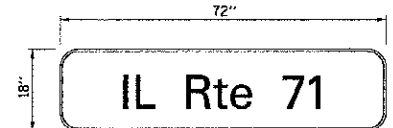
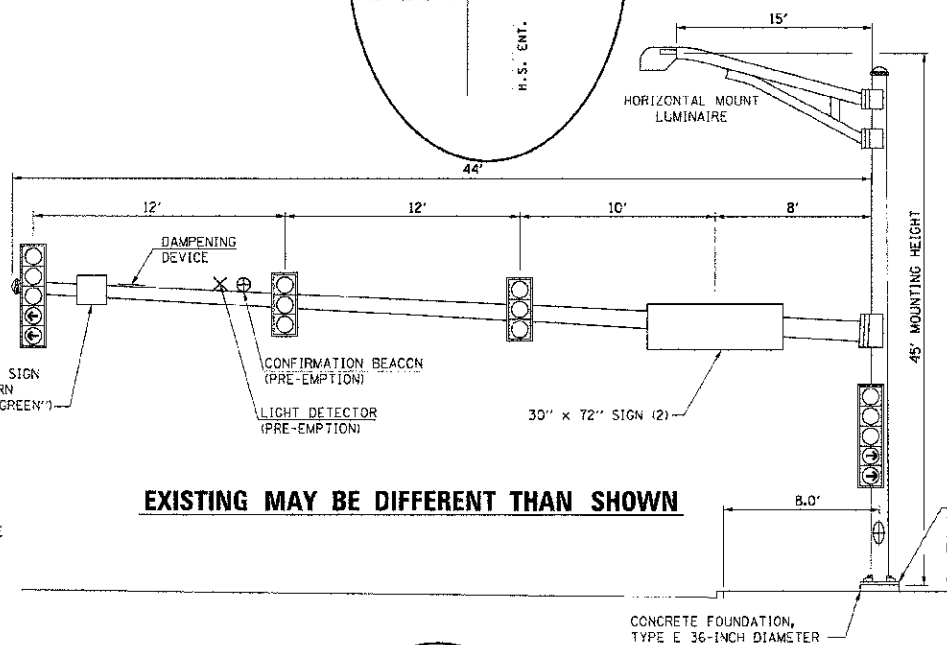
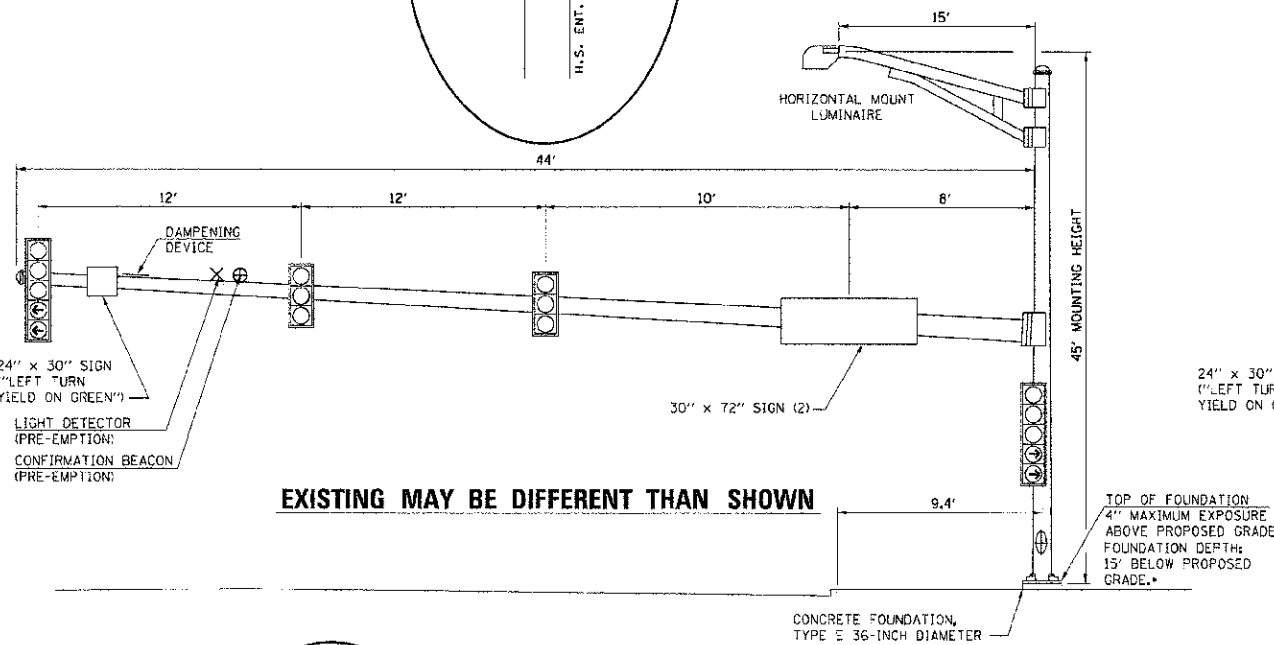
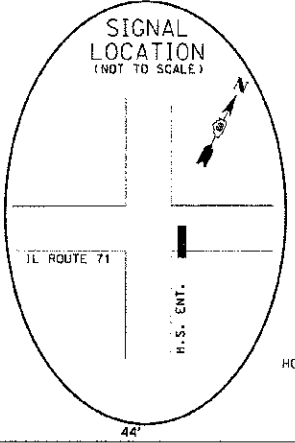
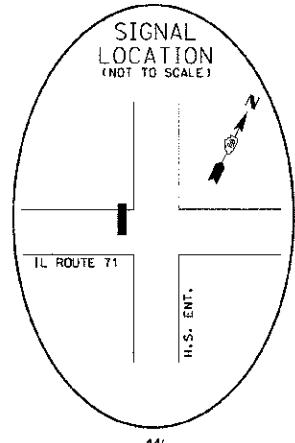
ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN IL RTE 71 OSWEGO H.S. ENTRANCE

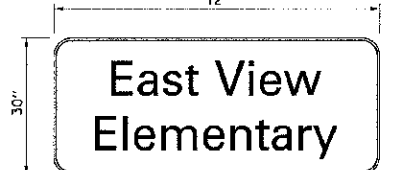
SCALE: N.T.S.
 DATE: 7/9/2012

DRAWN BY NMR
 CHECKED BY DJL

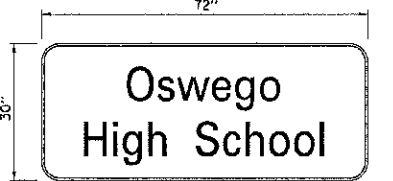
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R	KENDALL	514	394
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



9.0 SQ. FT. EACH
2 REQUIRED
DESIGN SERIES D
8" HIGH LETTERS



15.0 SQ. FT. EACH
2 REQUIRED
DESIGN SERIES D
8" HIGH LETTERS



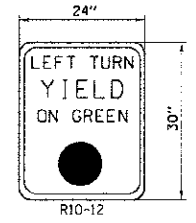
15.0 SQ. FT. EACH
2 REQUIRED
DESIGN SERIES D
8" HIGH LETTERS

STREET NAME SIGN DETAIL

THESE STREET NAME SIGNS SHALL BE PLACED ON THE MAST ARMS PARALLEL TO THE RESPECTIVE ROUTE AS DIRECTED BY THE ENGINEER.

STREET NAME SIGNS

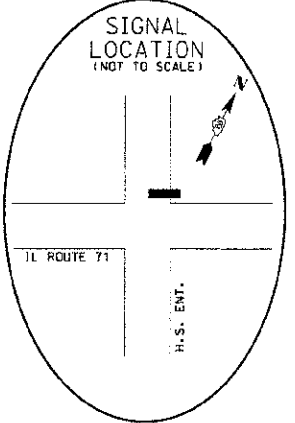
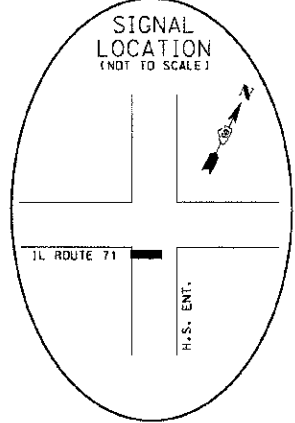
1. TYPE 22 SHEETING REQUIRED
2. WHITE LETTERING ON GREEN BACKGROUND
3. 3/4" WHITE BORDER



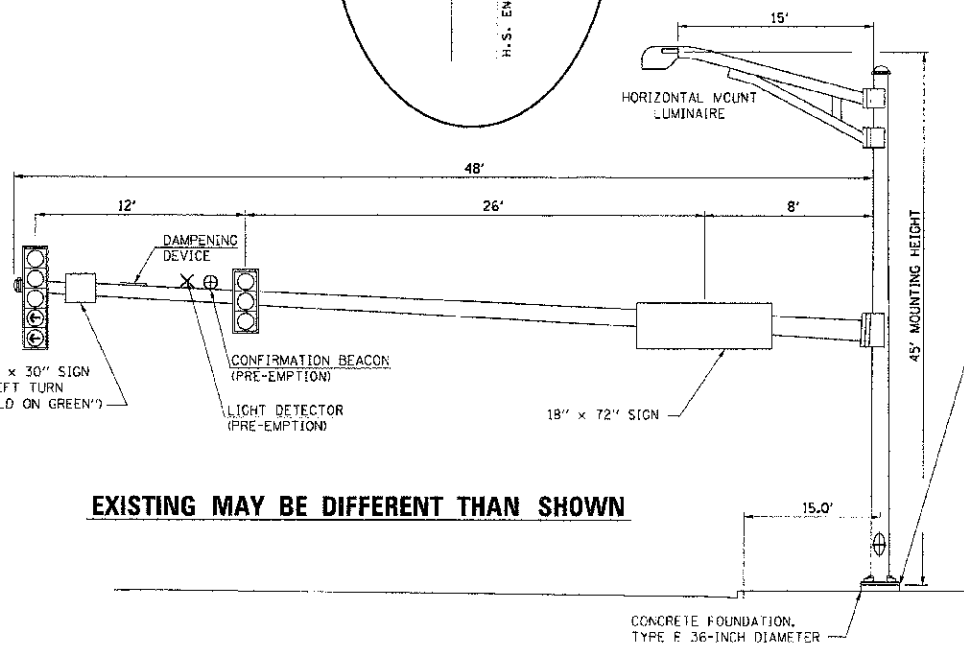
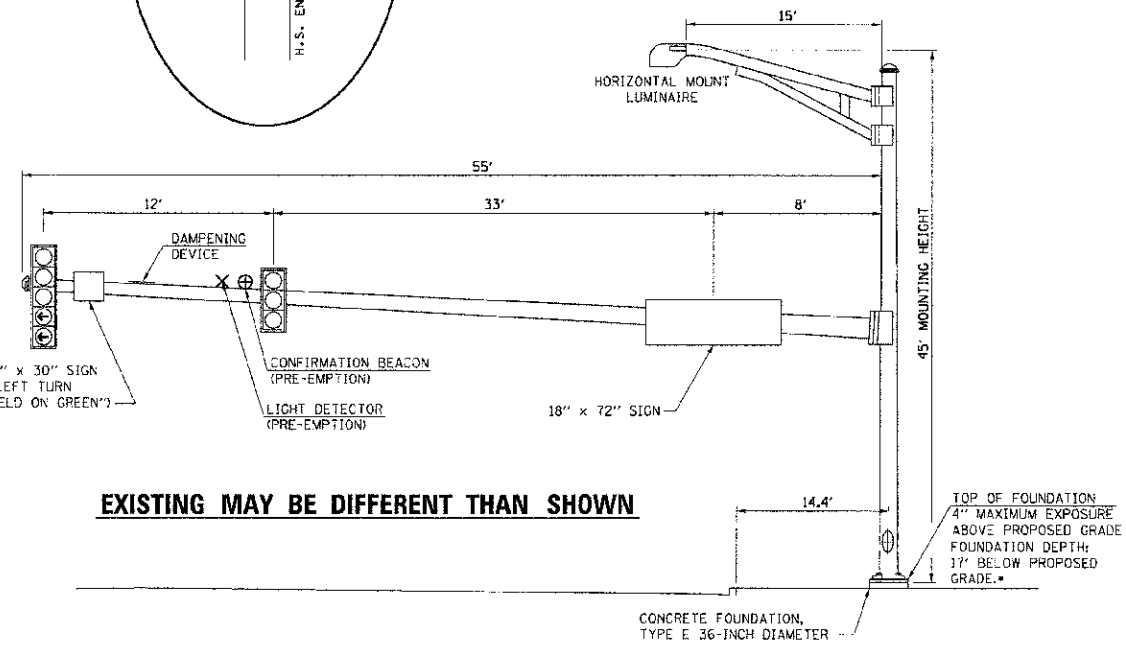
TYPE "A" SHEETING REQUIRED
5.0 SQ. FT. EACH
4 REQUIRED

LEFT TURN CONTROL SIGN DETAIL

THIS SIGN SHALL BE LOCATED 6 TO 12 INCHES TO THE RIGHT OF THE MAST ARM MOUNTED LEFT TURN SIGNAL HEAD.



*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.



NOTES

1. ALL SIGNAL HEADS HAVE BACKPLATES.
2. ALL MAST ARM FOUNDATIONS TO BE 36" DIAMETER.
3. DAMPENING DEVICE SHALL CONSIST OF A 24" X 30" TYPE-1, UNPAINTED ALUMINUM SIGN STOCK MOUNTED HORIZONTALLY ON TOP OF MAST ARM WITH THE 30" LENGTH PERPENDICULAR TO THE ARM. COST OF THE DAMPENING DEVICE SHALL BE INCLUDED IN THE MAST ARM PAY ITEM.
4. ARM SUPPORT FOR LUMINAIRE SHALL BE PARALLEL TO MAST ARM.

INCLUDED FOR REFERENCE ONLY

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
MAST ARM LOADING DIAGRAMS
IL ROUTE 71
OSWEGO H.S. ENTRANCE

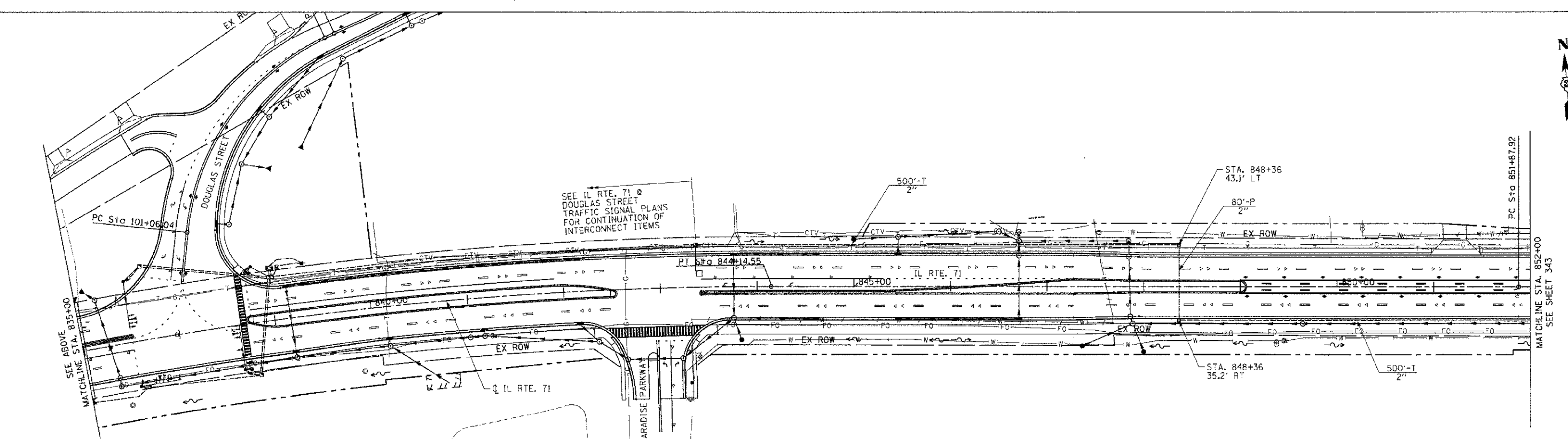
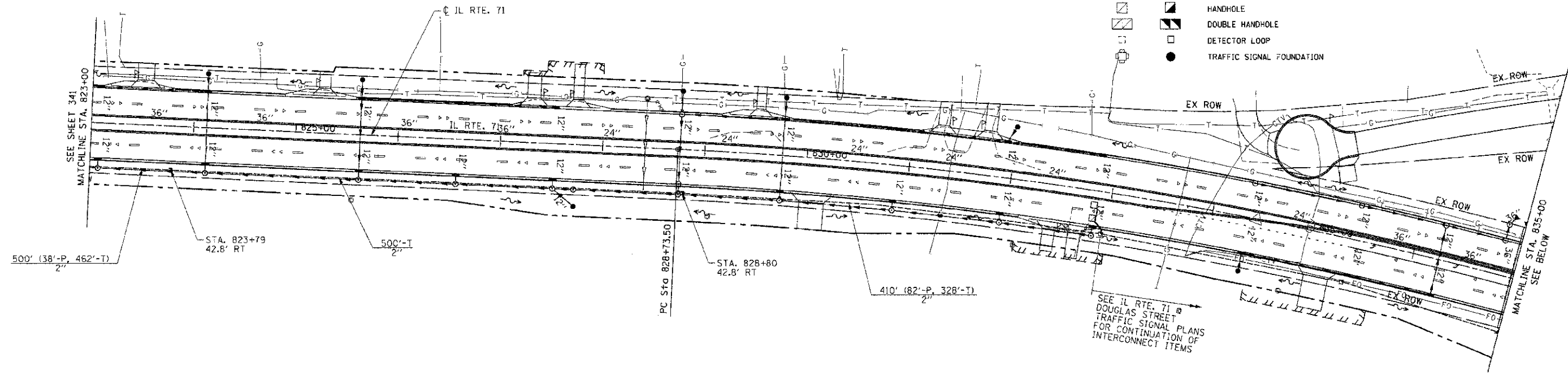
SCALE: N.T.S.
DATE: 7/9/2012

DRAWN BY NMR
CHECKED BY DJL

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	01-11R	KENDALL	514	396
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

INTERCONNECT PLAN LEGEND

- | | | |
|--|--|---------------------------|
| | | CONTROLLER CABINET |
| | | CONDUIT |
| | | HANDHOLE |
| | | DOUBLE HANDHOLE |
| | | DETECTOR LOOP |
| | | TRAFFIC SIGNAL FOUNDATION |



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**IL ROUTE 71
INTERCONNECT PLAN
SHEET 2 OF 5**

SCALE: 1"=50'
DATE: 7/9/2012

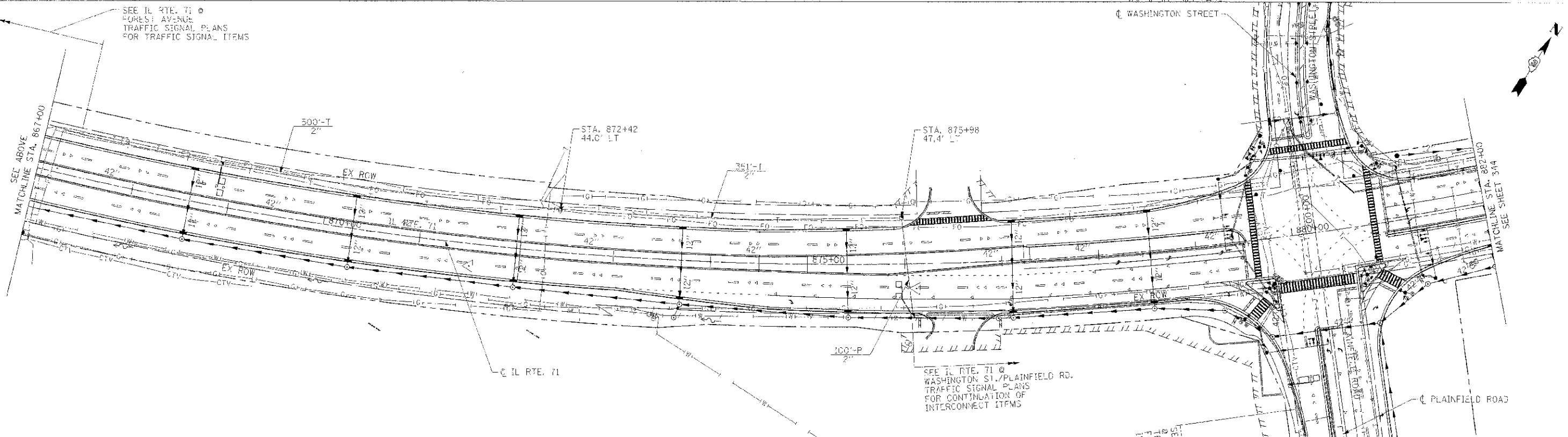
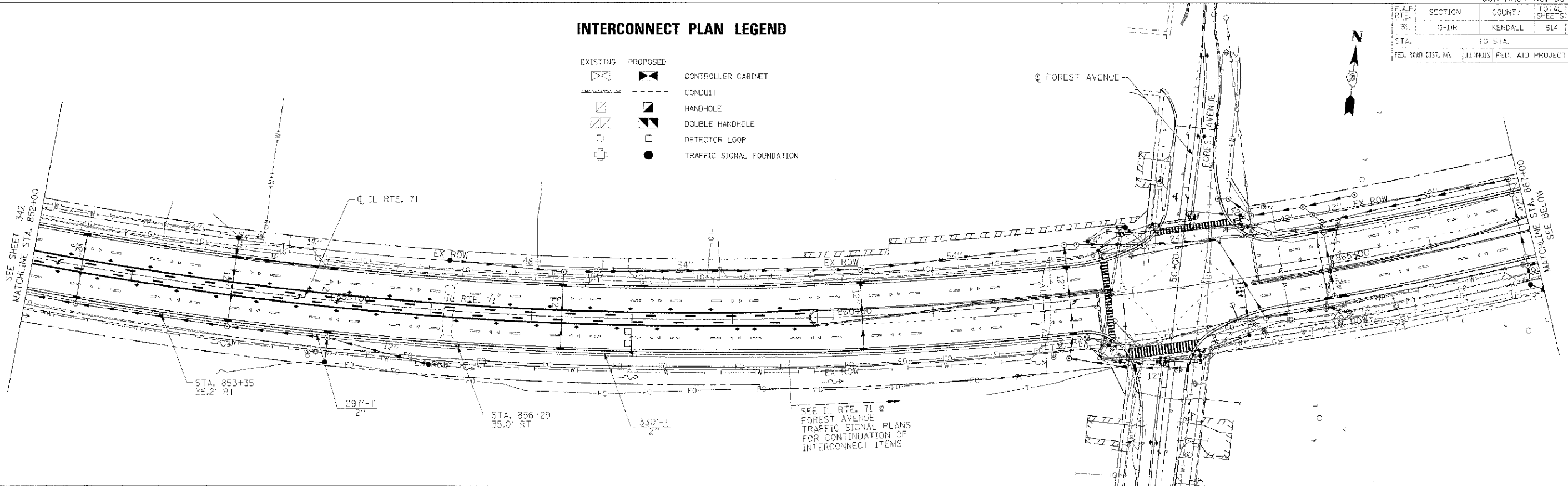
DRAWN BY: NMR
CHECKED BY: DJL

PLOT DATE = 7/9/2012
FILE NAME = p:\projects\11111111\11111111\11111111\11111111.dwg
PLOT SCALE = 1/8"=1'-0"

PLAN	SECTION	COUNTY	TOTAL SHEETS
31	G-11R	KENDALL	514
STA.	FD STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

INTERCONNECT PLAN LEGEND

- | | | |
|----------|----------|---------------------------|
| EXISTING | PROPOSED | CONTROLLER CABINET |
| | | CONDUIT |
| | | HANDHOLE |
| | | DOUBLE HANDHOLE |
| | | DETECTOR LOOP |
| | | TRAFFIC SIGNAL FOUNDATION |



REVISIONS	
NAME	DATE
BCD	8-6-12

ILLINOIS DEPARTMENT OF TRANSPORTATION

**IL ROUTE 71
INTERCONNECT PLAN
SHEET 3 OF 5**

SCALE: 1"=50'
DATE: 7/9/2012

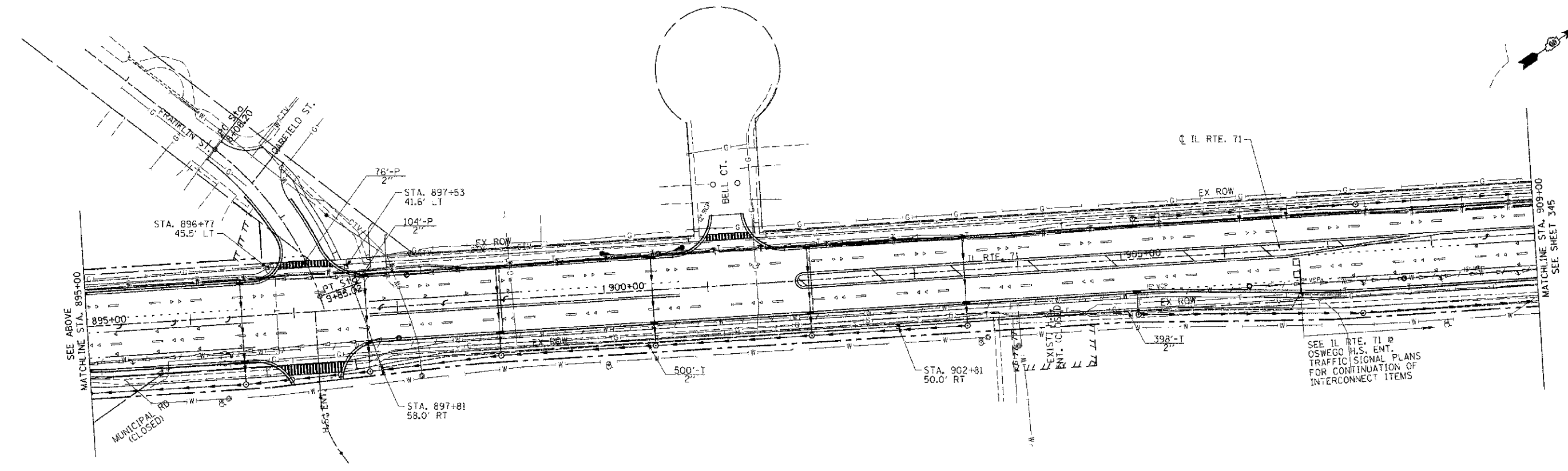
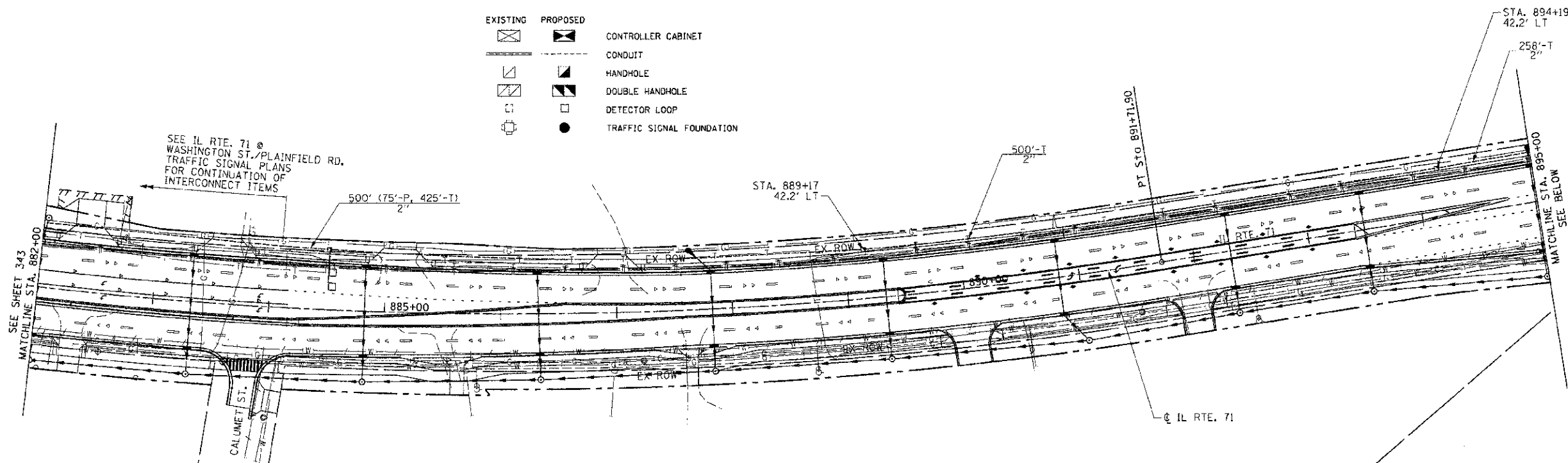
DRAWN BY: NMR
CHECKED BY: DJL

I:\OT\BRIE - 8/7/2012
 PLOT SCALE = 50:1
 PLOT DATE = 8/7/2012
 PLOT SCALE = 50:1
 PLOT DATE = 8/7/2012

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1)-DR	KENDALL	5:4	398
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

INTERCONNECT PLAN LEGEND

- | | | |
|----------|----------|---------------------------|
| EXISTING | PROPOSED | |
| | | CONTROLLER CABINET |
| | | CONDUIT |
| | | HANDHOLE |
| | | DOUBLE HANDHOLE |
| | | DETECTOR LOOP |
| | | TRAFFIC SIGNAL FOUNDATION |



PLOT DATE = 7/9/2012
 FILE NAME = p:\envi\1\dot\dist\va\wago\phase 1\010106.TS_IL_04.dgn
 PLOT SCALE = 1/8" = 1'

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**IL ROUTE 71
INTERCONNECT PLAN
SHEET 4 OF 5**

SCALE: 1"=50'
DATE: 7/9/2012

DRAWN BY NMR
CHECKED BY DJL

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R	KENDALL	514	399
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

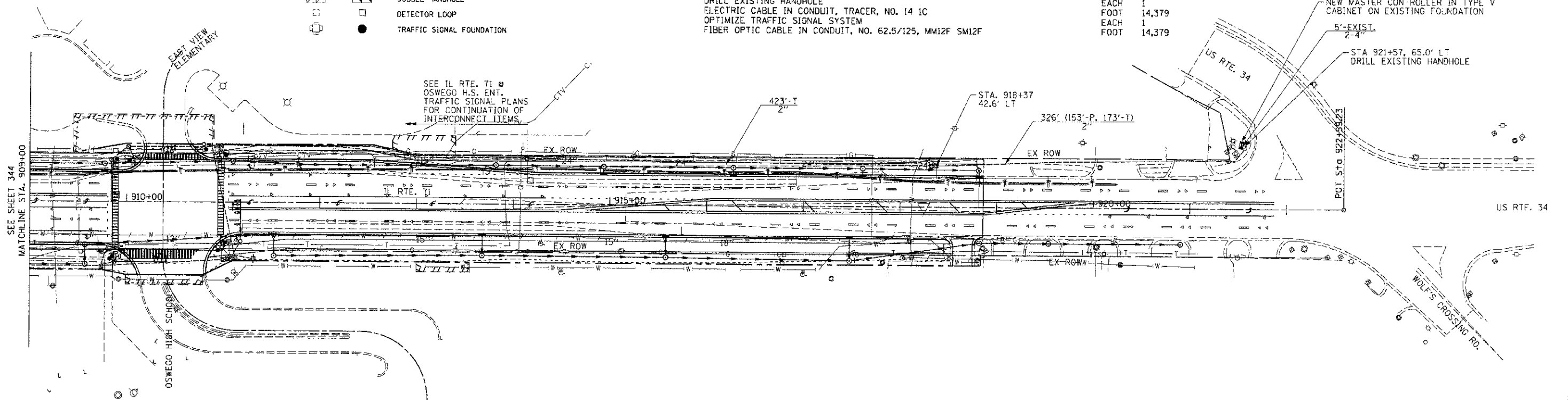
INTERCONNECT PLAN LEGEND

EXISTING	PROPOSED	
		CONTROLLER CABINET
		CONDUIT
		HANDHOLE
		DOUBLE HANDHOLE
		DETECTOR LOOP
		TRAFFIC SIGNAL FOUNDATION

SCHEDULE OF QUANTITIES

CONDUIT IN TRENCH, 2" DIA., PVC
 CONDUIT PUSHED, 2" DIA., PVC
 HANDHOLE, PORTLAND CEMENT CONCRETE
 MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
 MASTER CONTROLLER IN TYPE V CABINET
 UNINTERRUPTIBLE POWER SUPPLY, EXTENDED
 TRANSCEIVER - FIBER OPTIC
 DRILL EXISTING HANDHOLE
 ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C
 OPTIMIZE TRAFFIC SIGNAL SYSTEM
 FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F

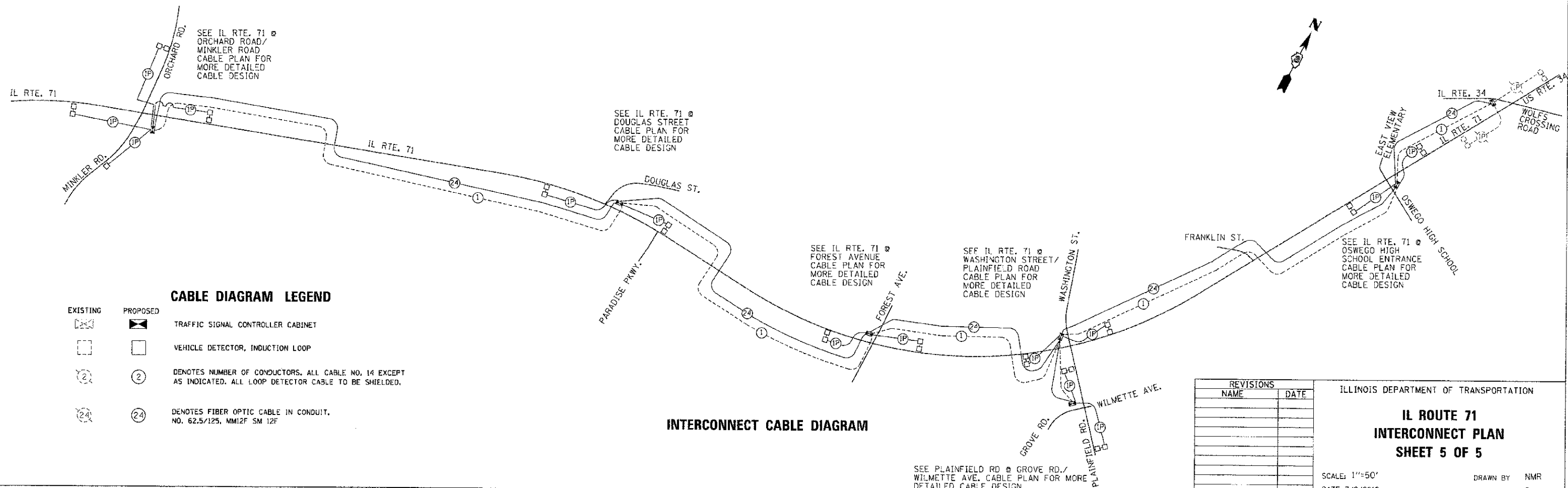
FOOT	7,901
FOOT	838
EACH	19
EACH	1
EACH	1
EACH	1
EACH	1
EACH	1
FOOT	14,379
EACH	1
FOOT	14,379



CABLE DIAGRAM LEGEND

EXISTING	PROPOSED	
		TRAFFIC SIGNAL CONTROLLER CABINET
		VEHICLE DETECTOR, INDUCTION LOOP
		DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
		DENOTES FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM 12F

INTERCONNECT CABLE DIAGRAM



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**IL ROUTE 71
 INTERCONNECT PLAN
 SHEET 5 OF 5**
 SCALE: 1"=50'
 DATE: 7/9/2012
 DRAWN BY: NMR
 CHECKED BY: DJL

PLOT DATE = 7/9/2012
 FILE NAME = p:\projects\11111111\11111111.dwg
 PLOT SCALE = 50.000000 / IN.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)R	KENDALL	514	400
STA. 780+44.91		TO STA. 918+85.86		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DESIGN SPECIFICATIONS:

AASHTO 1989 GUIDE SPECIFICATIONS FOR STRUCTURAL DESIGN OF SOUND BARRIERS AND 1992 AND 2002 INTERIMS.

DESIGN STRESSES:

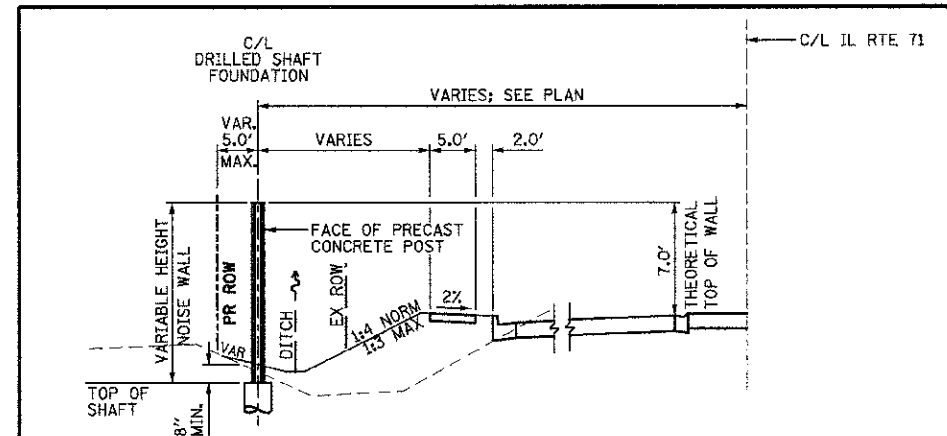
$f'_c = 3,500$ psi FOR DRILLED SHAFT FOUNDATIONS
 $f'_c = 4,500$ psi FOR PRECAST CONCRETE WALL PANELS AND POSTS
 $f_y = 60,000$ psi FOR REINFORCING STEEL

SESMIC DATA:

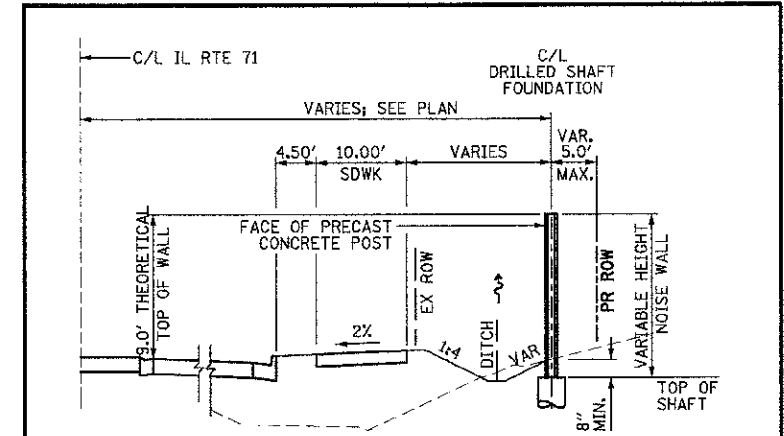
BEDROCK ACCELERATION COEFFICIENT (A) = 0.036
 SEISMIC PERFORMANCE CATEGORY (SPC) = A
 SITE COEFFICIENT (S) = 1.0

GENERAL NOTES:

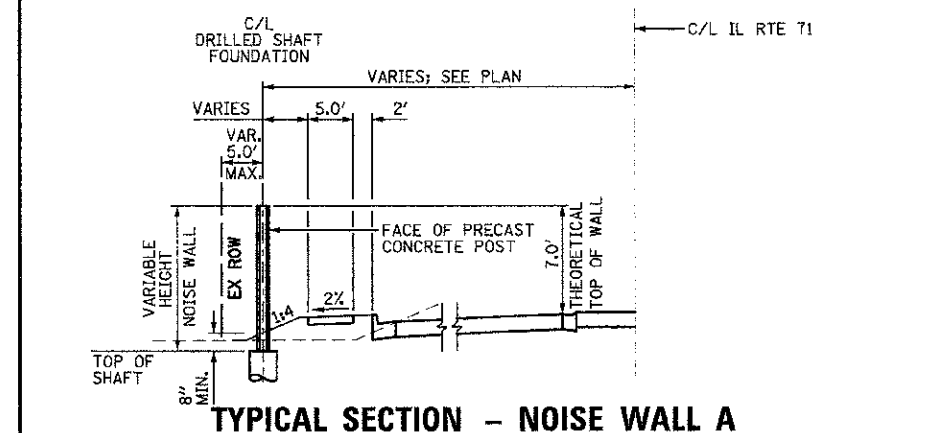
- WALLS SHALL BE FABRICATED AS A REFLECTIVE ABATEMENT SYSTEM.
- THE WALL TEXTURE PATTERN AND COLOR FOR THE PRECAST CONCRETE PANELS, AND COLOR FOR THE PRECAST CONCRETE POSTS SHALL BE IN ACCORDANCE WITH SPECIAL PROVISIONS, AND SHALL BE IDENTICAL TO THE NOISE ABATEMENT WALL RECENTLY INSTALLED ON US 34 NEAR IL 71.
- DRILLED SHAFT FOUNDATIONS SHALL BE INCLUDED FOR PAYMENT AS PART OF "NOISE ABATEMENT WALL, PRECAST CONCRETE".
- QUANTITIES FOR NOISE ABATEMENT WALL, PRECAST CONCRETE ARE CALCULATED USING THE WALL HEIGHT DIMENSIONS SHOWN, BETWEEN THE THEORETICAL TOP OF WALL AND THEORETICAL BOTTOM OF WALL AT CENTERLINE OF DRILLED SHAFT FOUNDATIONS.



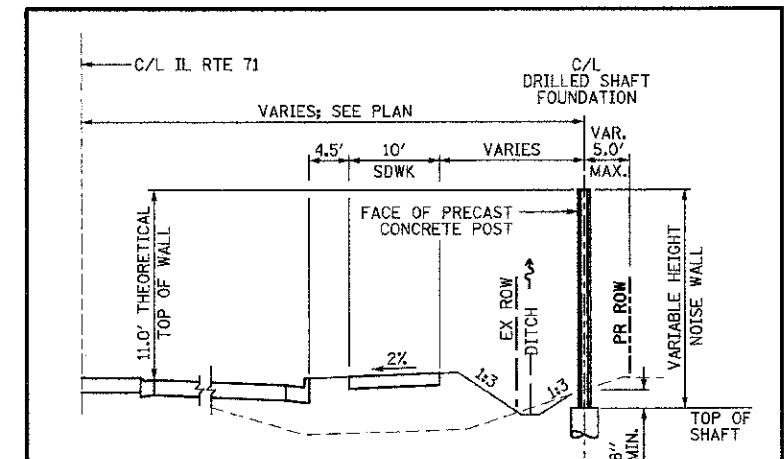
TYPICAL SECTION - NOISE WALL A
 STA 841+50.00 TO STA 844+50.00
 STA 845+50.00 TO STA 847+75.00



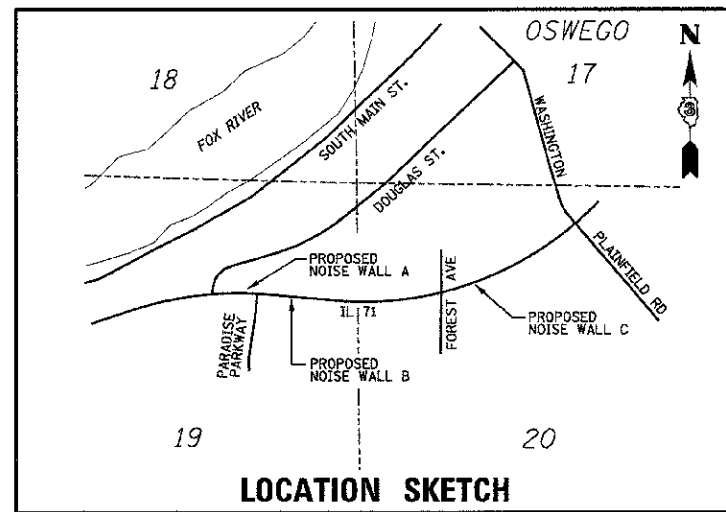
TYPICAL SECTION - NOISE WALL B
 STA 843+74.72 TO STA 862+24.52



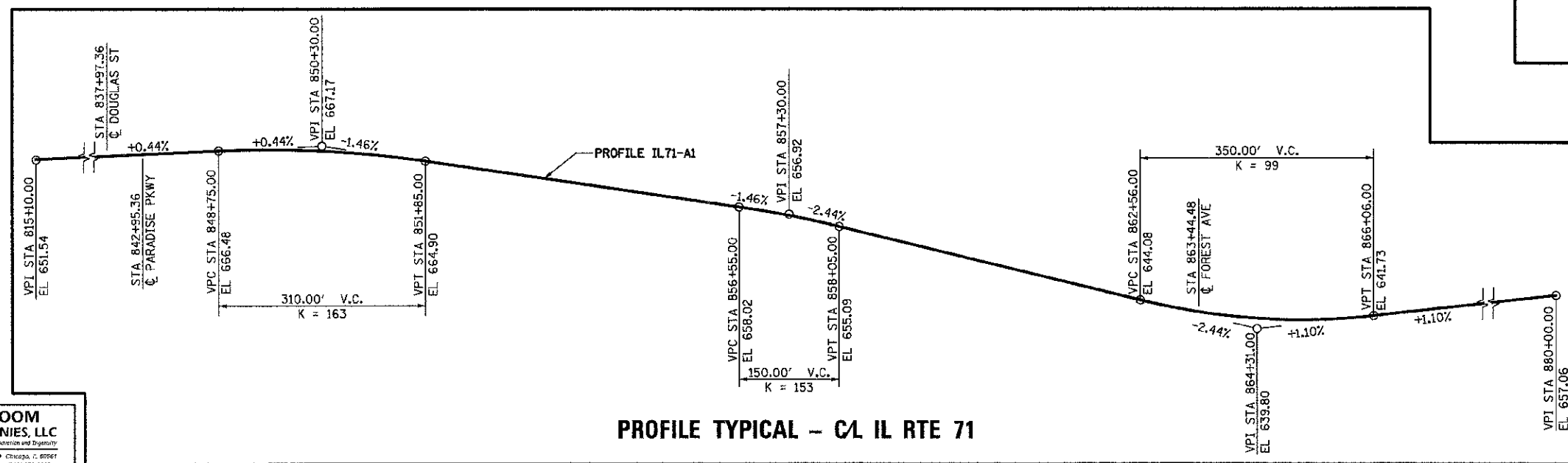
TYPICAL SECTION - NOISE WALL A
 STA 839+48.41 TO STA 841+50.00
 STA 844+50.00 TO STA 845+50.00
 STA 847+75.00 TO STA 848+80.80



TYPICAL SECTION - NOISE WALL C
 STA 864+43.52 TO STA 874+60.00



LOCATION SKETCH



PROFILE TYPICAL - CL IL RTE 71

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		IL 71, OSWEGO NOISE WALL TYPICALS & NOTES SCALE: VERT. _____ HORIZ. _____ DATE: 07/06/2012 DRAWN BY: TL/KD CHECKED BY: DJB