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**TYLIN INTERNATIONAL**  
200 S. WACKER DR.  
SUITE 1400  
CHICAGO, IL 60606  
TEL: 312-777-2900

USER NAME = mgormely  
PLOT SCALE = 2,0000' / in.  
PLOT DATE = 1/27/2021

DESIGNED - KRP  
DRAWN - CRH  
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DATE - 1/29/2021

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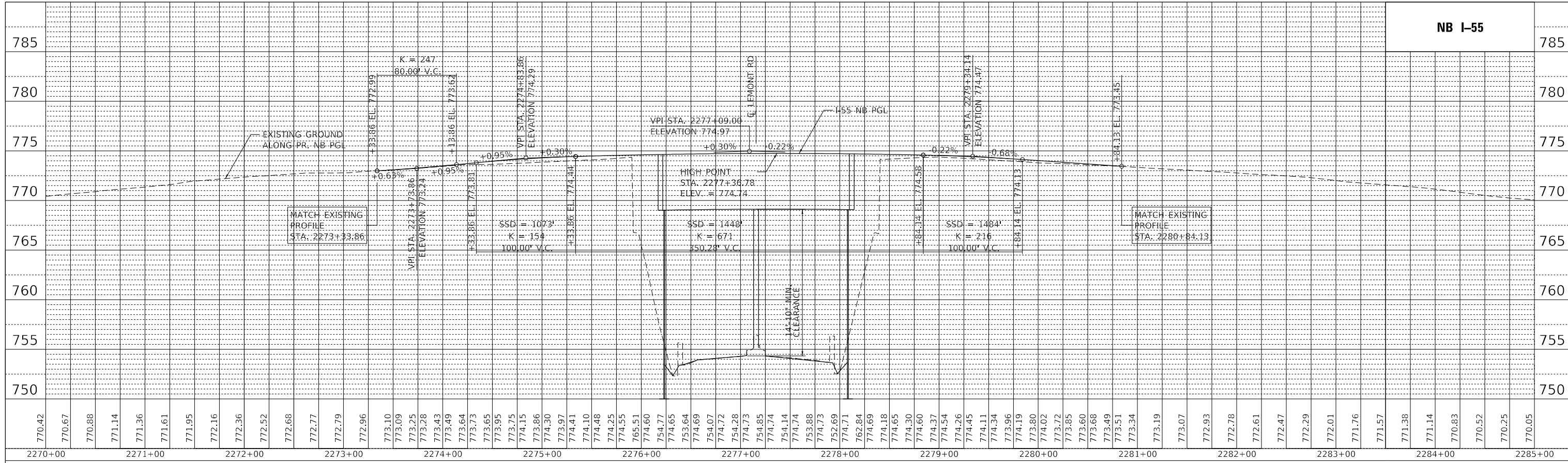
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD  
CONSTRUCTION DETAILS - CONCRETE BARRIER TRANSITION**

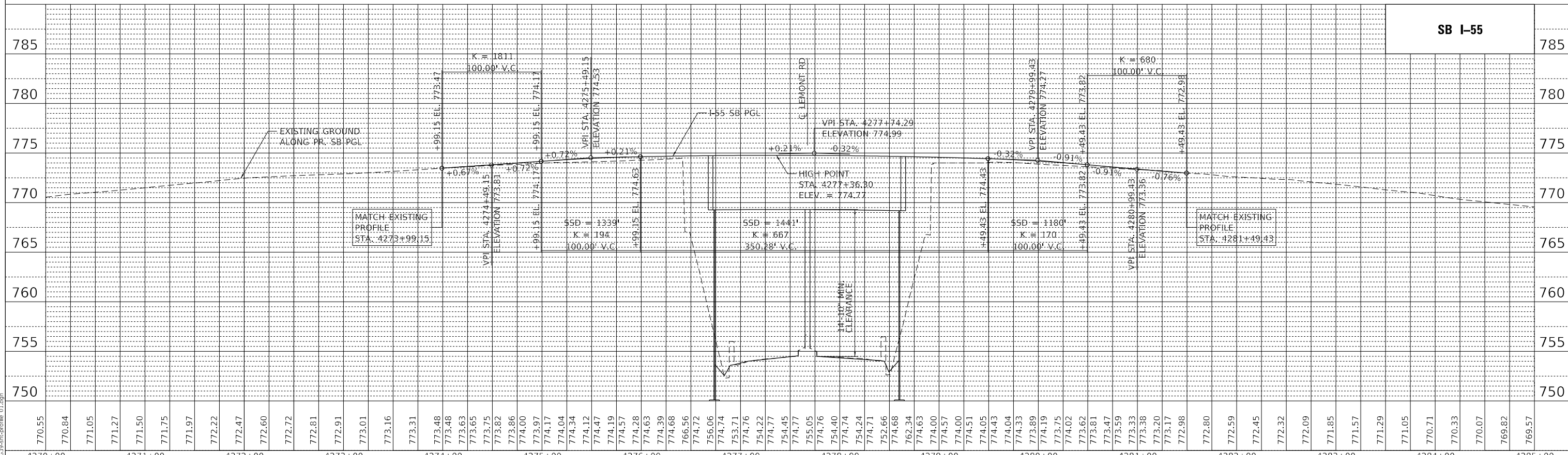
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F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	101
CONTRACT NO. 62G39				
ILLINOIS FED. AID PROJECT: NHPP-PR24(873)				

PLAN	SURVEYED	DATE
	PLOTTED	BY
NOTE BOOK NO.	CHECKED	
	ALIGNED	
	CARD FILE NAME	



PROFILE	SURVEYED	DATE
	PLOTTED	BY
NOTE BOOK NO.	CHECKED	
	STRUCTURE	
	NOTATMS CHFD	



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**TYLIN INTERNATIONAL**  
200 S. WACKER DR.  
SUITE 1400  
CHICAGO, IL 60606  
TEL: 312-777-2900

USER NAME = TYLIPW01KCS01S  
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DATE - 1/29/2021

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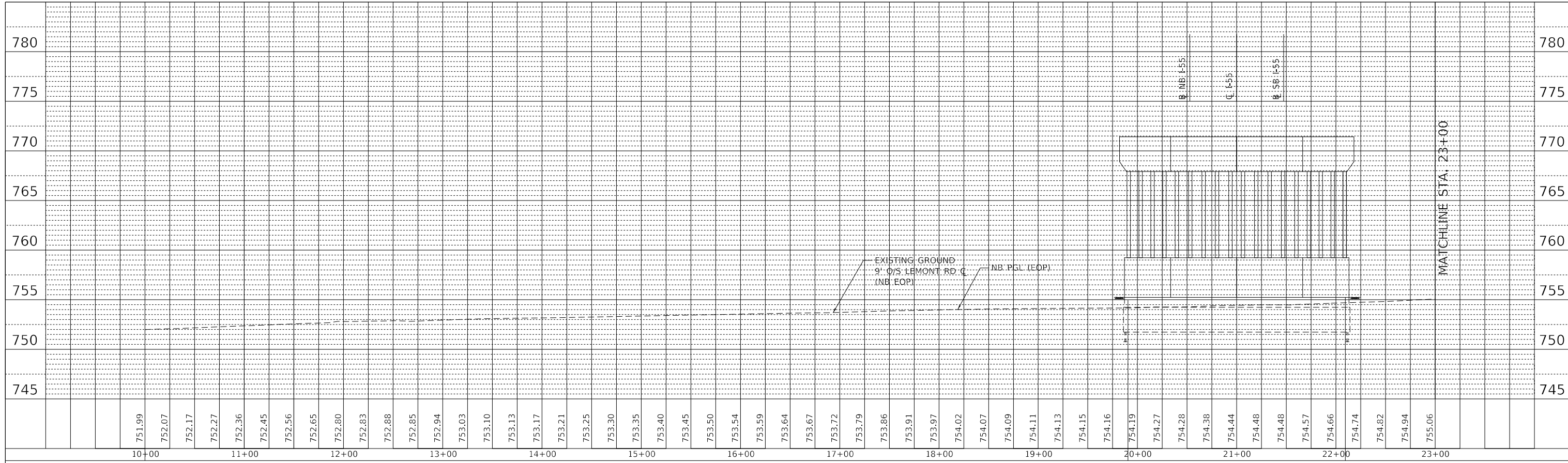
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD  
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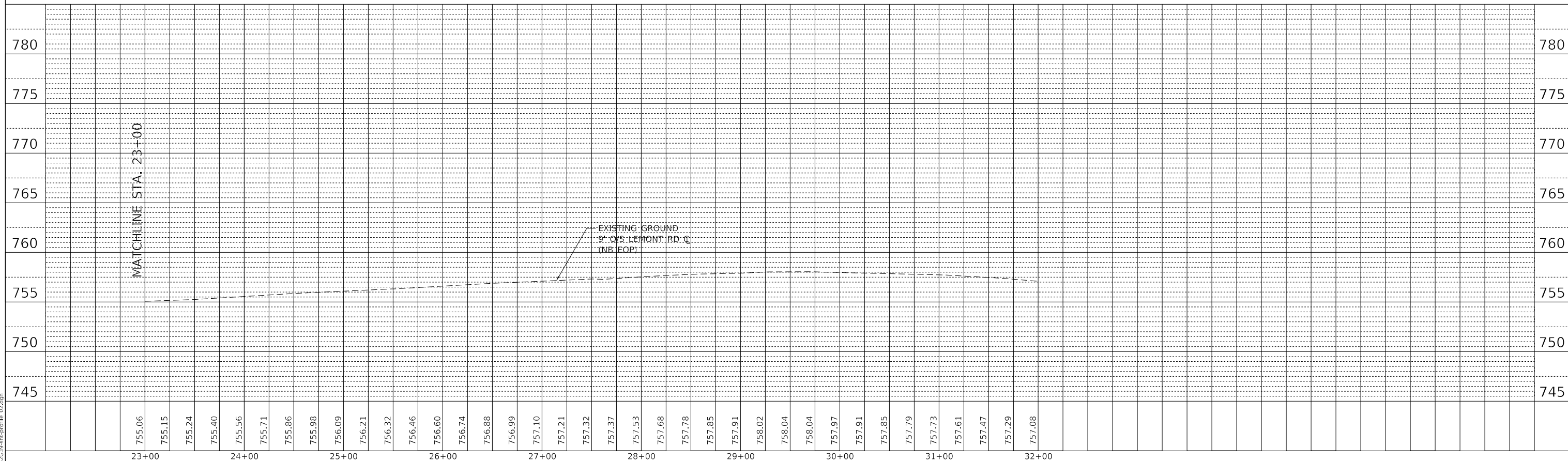
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	102
CONTRACT NO. 62G39				
ILLINOIS FED. AID PROJECT: NHPF-PR24(873)				

PLAN	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
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PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	CHECKED		
	STRUCTURE		
	NOTATIONS		



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**TYLIN INTERNATIONAL**  
200 S. WACKER DR.  
SUITE 1400  
CHICAGO, IL 60606  
TEL: 312-777-2900

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CHECKED - MPG  
DATE - 1/29/2021

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REVISED -

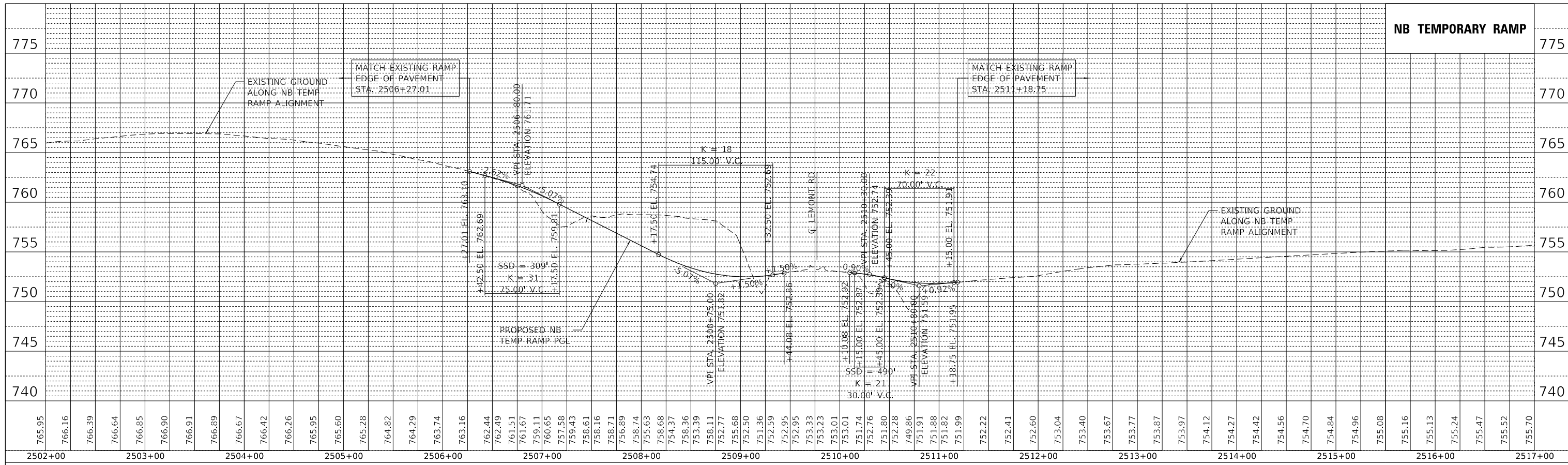
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD  
PROFILE - LEMONT RD**

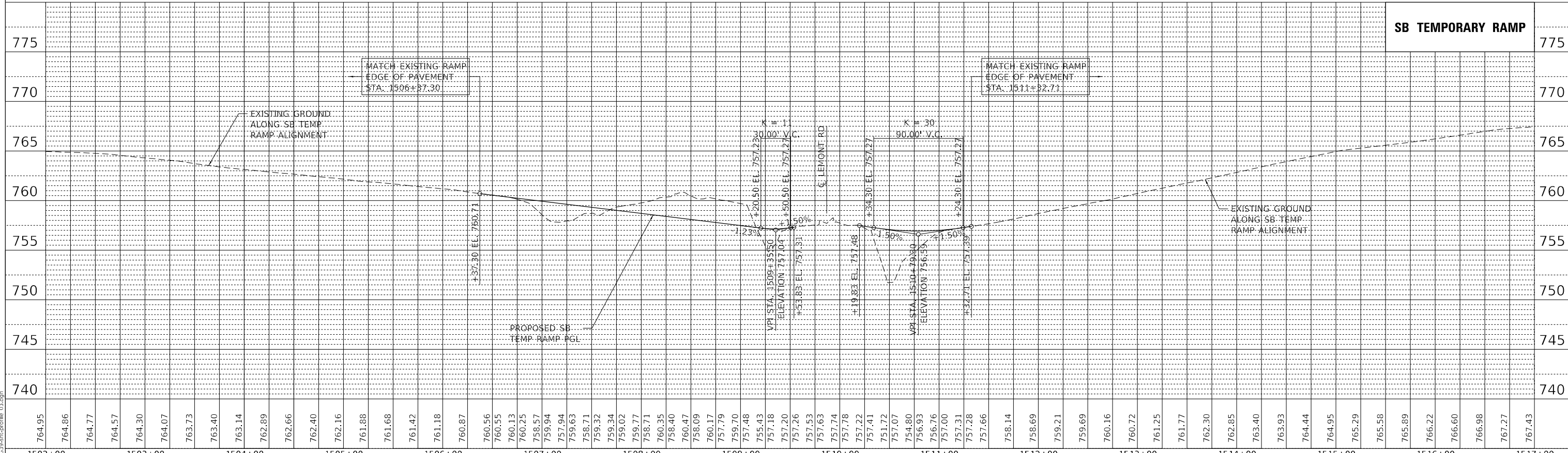
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F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	103
CONTRACT NO. 62G39				
ILLINOIS FED. AID PROJECT: NHPP-PR24(873)				

PLAN	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	CHECKED		
	ALIGNED		
	CARD FILE NAME		



PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO.	GRADES CHECKED		
	STRUCTURE		
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**TYLIN INTERNATIONAL**  
200 S. WACKER DR.  
SUITE 1400  
CHICAGO, IL 60606  
TEL: 312-777-2900

USER NAME = TYLIPW01K0S01S  
DESIGNED - KRP  
DRAWN - KRP  
CHECKED - MPG  
DATE - 1/29/2021

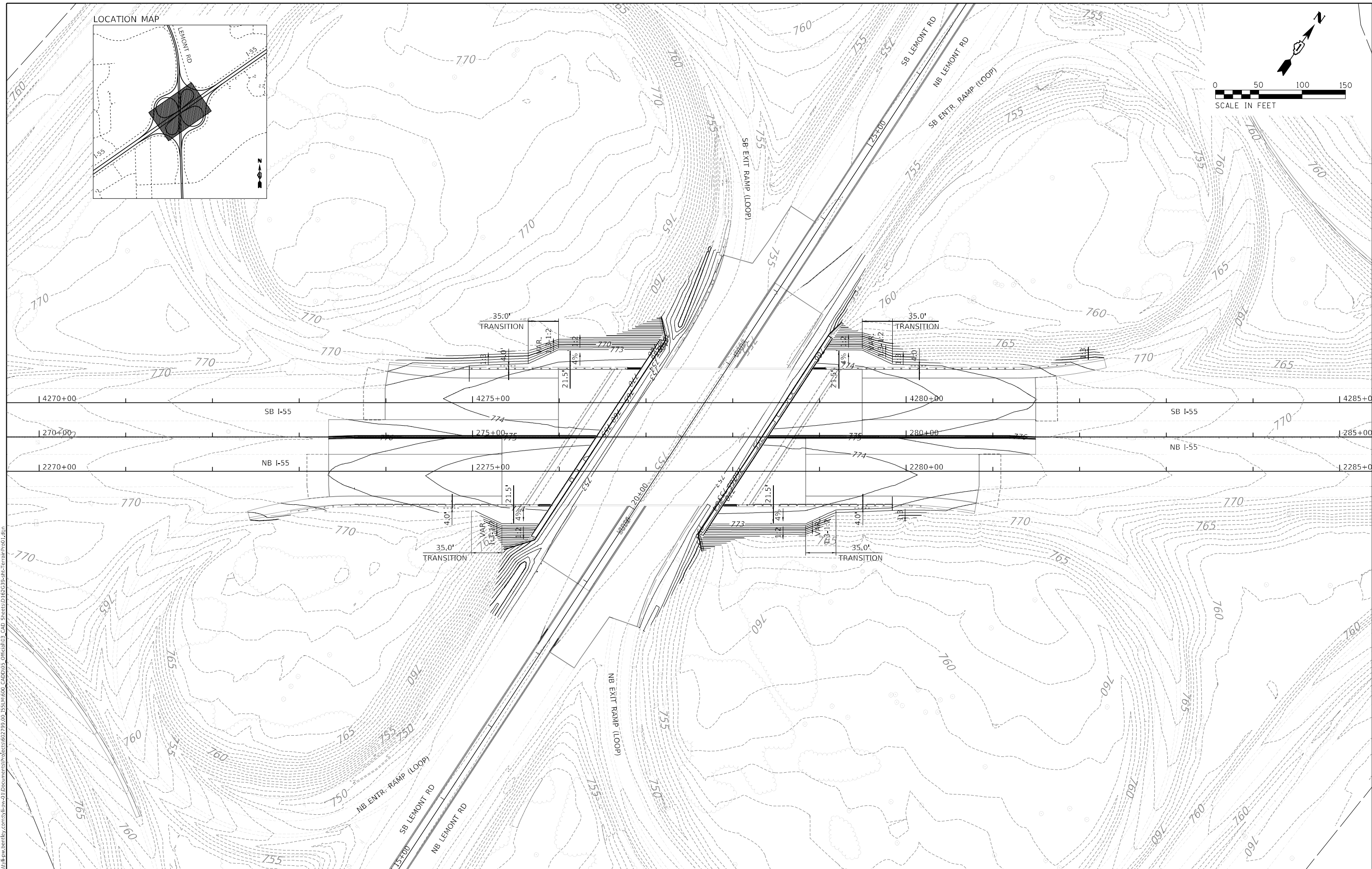
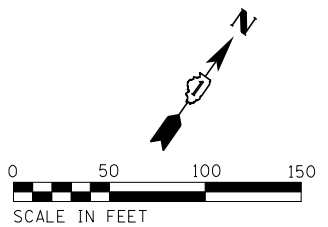
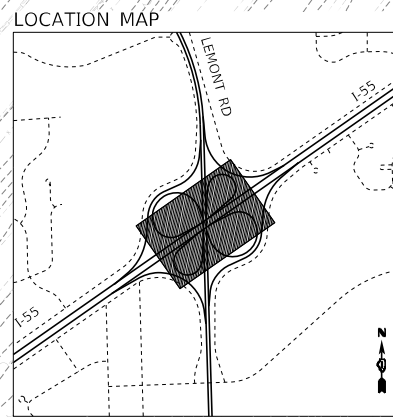
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REVISIONS  
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REVISIONS

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD  
PROFILE - TEMPORARY RAMP/INTERSECTION PAVEMENT**

SCALE: 1"=50'H, 5'V SHEET 3 OF 3 SHEETS STA. 1502+00.00 TO STA. 2517+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	104
CONTRACT NO. 62G39				
ILLINOIS FED. AID PROJECT: NHPF-PR24(873)				



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 PROJECT: I-55 Interchange Improvement Over Lemont Rd  
 SHEET: 22-36HB-1  
 DATE: 1/29/2021

**TYLIN INTERNATIONAL**  
 200 S. WACKER DR.  
 SUITE 1400  
 CHICAGO, IL 60606  
 TEL: 312-777-2900

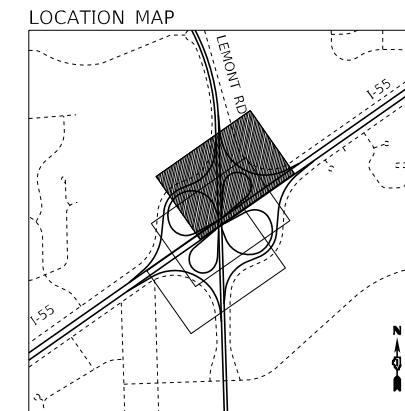
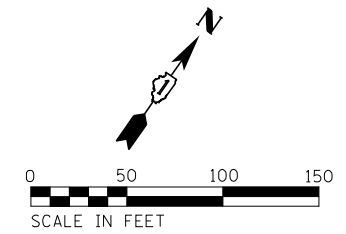
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PLOT DATE = 1/27/2021	CHECKED - MPG	REVISED -
	DATE - 1/29/2021	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD**  
**GRADING PLAN - I-55**

SCALE: 1"=50'    SHEET 1 OF 3 SHEETS    STA. 270+00.00 TO STA. 285+00.00

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	105
CONTRACT NO. 62G39				
ILLINOIS FED. AID PROJECT: NHP-PR24(873)				



SEE PREVIOUS SHEET FOR GRADING AT BRIDGE.

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**TYLIN INTERNATIONAL**  
200 S. WACKER DR.  
SUITE 1400  
CHICAGO, IL 60606  
TEL: 312-777-2900

USER NAME = mgormely  
PLOT SCALE = 100,0000' / in.  
PLOT DATE = 1/27/2021

DESIGNED - KRP  
DRAWN - CRH  
CHECKED - MPG  
DATE - 1/29/2021

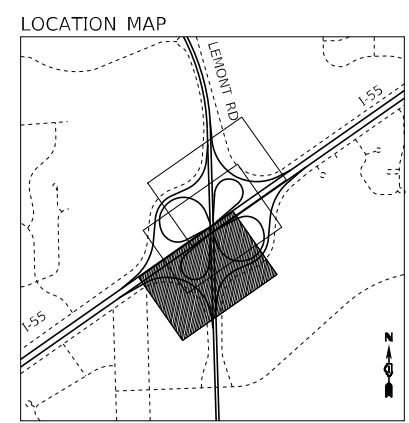
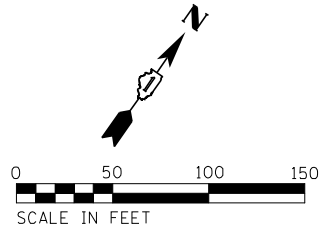
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REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD  
GRADING PLAN - TEMPORARY SB RAMPS**

SCALE: 1"=50' SHEET 2 OF 3 SHEETS STA. 1501+00.00 TO STA. 1518+25.00

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	106
CONTRACT NO. 62G39				
ILLINOIS FED. AID PROJECT: NHP-PR24(873)				



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**TYLIN INTERNATIONAL**  
 200 S. WACKER DR.  
 SUITE 1400  
 CHICAGO, IL 60606  
 TEL: 312-777-2900

USER NAME = mgormely  
 PLOT SCALE = 100,0000' / in.  
 PLOT DATE = 1/27/2021

DESIGNED - KRP  
 DRAWN - CRH  
 CHECKED - MPG  
 DATE - 1/29/2021

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

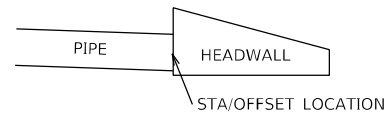
**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD  
 GRADING PLAN - TEMPORARY NB RAMPS**

SCALE: 1"=50'    SHEET 3 OF 3 SHEETS    STA. 2501+00.00 TO STA. 2518+25.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	107
CONTRACT NO. 62G39				
ILLINOIS FED. AID PROJECT: NHP-PR24(873)				

**GENERAL NOTES – DRAINAGE**

- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN DRAINAGE FLOWS AT ALL TIMES DURING THE PERFORMANCE OF THE WORK. METHODS USED BY THE CONTRACTOR SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER. COST OF MAINTAINING DRAINAGE FLOWS SHALL BE INCLUDED IN THE CONTRACT.
- THE CONTRACTOR SHALL VERIFY DRAINAGE STRUCTURE DATA IN THE FIELD PRIOR TO INSTALLATION OF DRAINAGE ITEMS. LOCATIONS OF EXISTING DRAINAGE STRUCTURES AND STORM SEWERS WERE DETERMINED FROM AVAILABLE RECORD DRAWINGS AND FIELD SURVEY. THESE LOCATIONS MAY REQUIRE REVISIONS TO MEET EXISTING FIELD CONDITIONS. ANY ADJUSTMENTS SHALL BE AS DIRECTED BY THE ENGINEER. THE COST OF THIS WORK IS TO BE INCLUDED IN THE UNIT PRICES OF THE ITEMS TO BE INSTALLED, REPAIRED, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- STATIONING AND OFFSET OF CATCH BASINS, INLETS, MANHOLES, AND HEADWALLS ARE PER IDOT STANDARD DRAWINGS.



**DRAINAGE LEGEND AND SYMBOLS**

		EXISTING	PROPOSED
PROPOSED STORM SEWER/CULVERT			
PROPOSED DRAINAGE STRUCTURE			
SANITARY SEWER			
COMBINED SEWER			
ADJUST STRUCTURE (TEMPORARY)			
ADJUST STRUCTURE			
REMOVE STRUCTURE			
REMOVE STORM SEWER/CULVERT			
ABANDON AND FILL STORM SEWER			
CLEAN STRUCTURE			
CLEAN PIPE			
MANHOLE			
INLET			
CATCH BASIN			
FLARED END SECTION			
DITCH			
STORM SEWER/ CULVERT			
PIPE UNDERDRAINS			
RIPRAP			
HEADWALL FOR PIPE DRAIN			

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USER NAME = evan.b	DESIGNED - BS	REVISED -
	DRAWN - EB	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - OIU	REVISED -
PLOT DATE = 1/27/2021	DATE - 1/29/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE OVER LEMONT ROAD  
DRAINAGE NOTES**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	108
CONTRACT NO. 62G39				
ILLINOIS FED. AID PROJECT				



DRAINAGE STRUCTURE REMOVAL SCHEDULE						
ALIGNMENT	STATION	OFFSET		RIM ELEV.	STRUCTURE TYPE	PAY ITEM NUMBER
I-55	275+40.50	80.00	RT	773.62	REMOV INLETS	60500060
I-55	275+43.50	135.00	RT	753.64	CONC HDWL REM	50104400
I-55	275+45.00	80.00	RT	773.63	REMOV MANHOLES	60500040
I-55	275+69.00	122.00	RT	748.81	CONC HDWL REM	50104400
I-55	276+45.50	74.00	LT	773.87	REMOV INLETS	60500060
I-55	276+45.50	108.00	LT	766.13	CONC HDWL REM	50104400
I-55	278+38.00	76.00	RT	773.86	REMOV INLETS	60500060
I-55	279+37.00	77.00	LT	773.70	REMOV INLETS	60500060
I-55	279+40.80	116.00	LT	763.25	CONC HDWL REM	50104400
I-55	279+51.00	114.00	RT	764.00	CONC HDWL REM	50104400
LEMONT ROAD	19+06.25	76.80	LT	748.91	CONC HDWL REM	50104400
LEMONT ROAD	21+53.90	73.62	LT	749.85	CONC HDWL REM	50104400
LEMONT ROAD	22+95.45	0.00	C/L	755.04	REMOV INLETS	60500060
LEMONT ROAD	22+97.22	61.17	RT	752.24	CONC HDWL REM	50104400

DRAINAGE PIPE REMOVAL SCHEDULE									
ALIGNMENT	FROM STATION	OFFSET		TO STATION	OFFSET		PIPE TYPE	PAY ITEM NUMBER	LENGTH (FT)
I-55	275+98.21	2.50	RT	275+45.00	80.00	RT	STORM SEWER REM 12	55100500	93
I-55	275+40.50	80.00	RT	275+43.50	135.00	RT	STORM SEWER REM 12	55100500	57
I-55	275+45.00	80.00	RT	275+69.00	122.00	RT	STORM SEWER REM 12	55100500	51
I-55	276+45.50	74.00	LT	276+45.50	108.00	LT	STORM SEWER REM 12	55100500	35
I-55	278+84.78	2.50	LT	279+37.00	77.00	LT	STORM SEWER REM 12	55100500	92
I-55	278+38.00	76.00	RT	279+51.00	114.00	RT	STORM SEWER REM 12	55100500	120
I-55	279+37.00	77.00	LT	279+40.80	116.00	LT	STORM SEWER REM 12	55100500	38
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	DRAWN - EB	REVISED -
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PLOT DATE = 1/27/2021	DATE - 1/29/2021	REVISED -

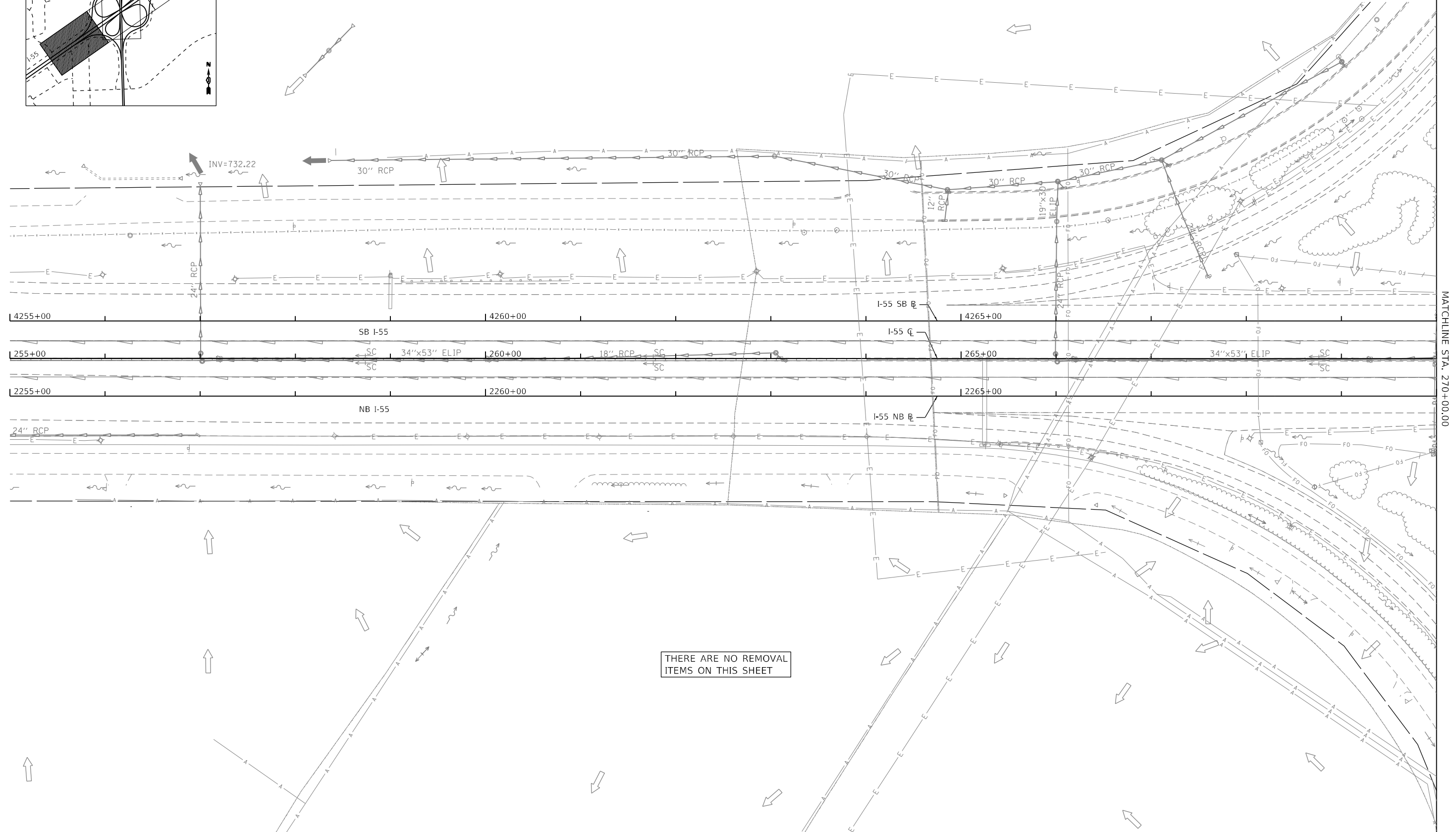
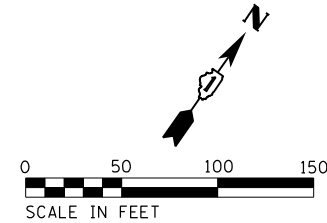
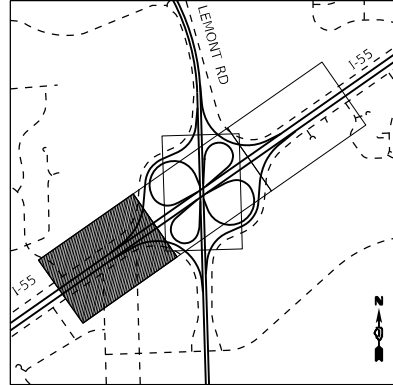
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE OVER LEMONT ROAD  
 EXISTING /REMOVAL DRAINAGE SCHEDULE**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	109
CONTRACT NO. 62G39			ILLINOIS FED. AID PROJECT	

LOCATION MAP



THERE ARE NO REMOVAL ITEMS ON THIS SHEET

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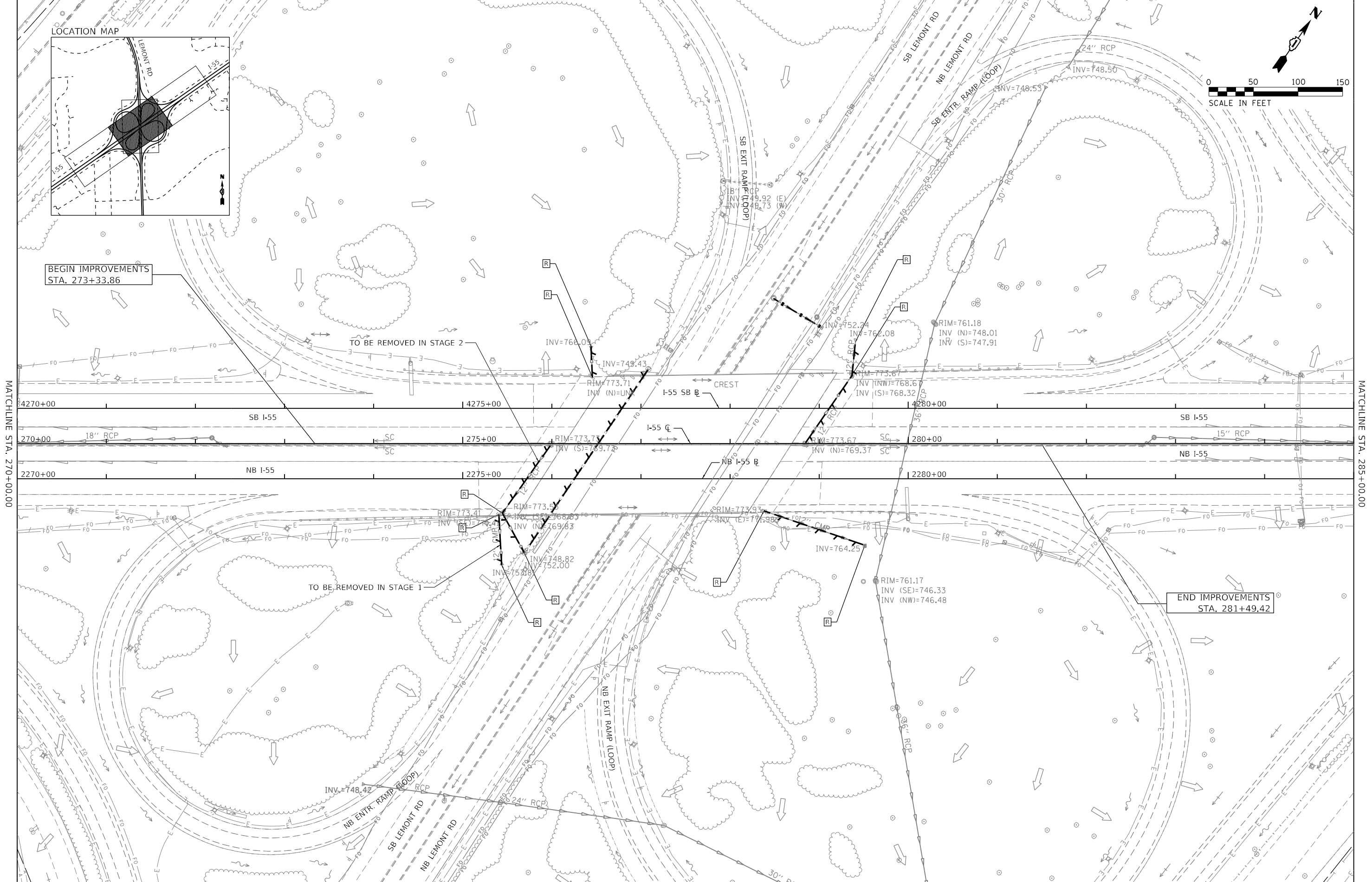
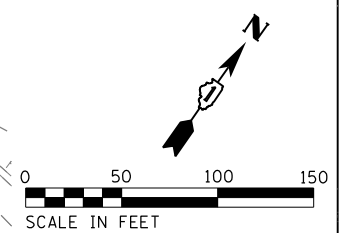
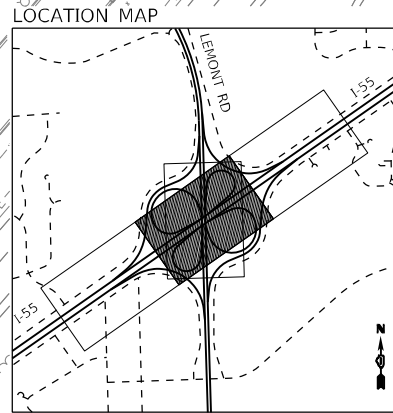
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PLOT DATE = 1/27/2021	CHECKED - OIU	REVISED -
	DATE - 1/29/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>I-55 INTERCHANGE OVER LEMONT ROAD EXISTING /REMOVAL DRAINAGE PLAN</b>	
SCALE: 1"=50'	SHEET 1 OF 4 SHEETS
STA. 255+00.00 TO STA. 270+00.00	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	110
CONTRACT NO. 62G39				
ILLINOIS FED. AID PROJECT				

MATCHLINE STA. 270+00.00



MATCHLINE STA. 270+00.00

MATCHLINE STA. 285+00.00

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DATE - 1/29/2021	REVISED -

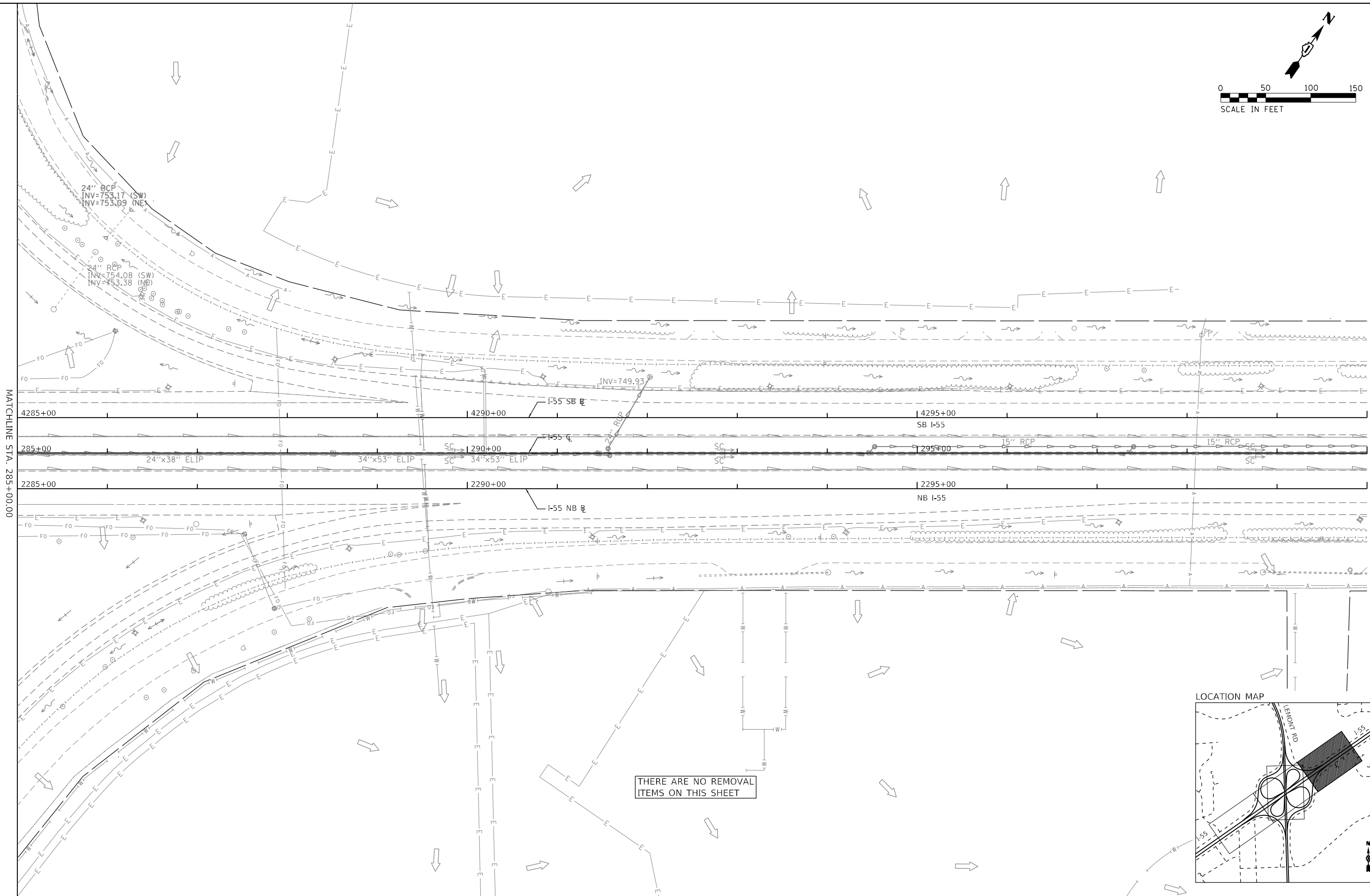
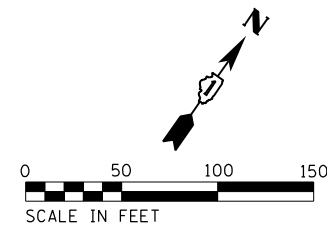
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE OVER LEMONT ROAD  
EXISTING /REMOVAL DRAINAGE PLAN**

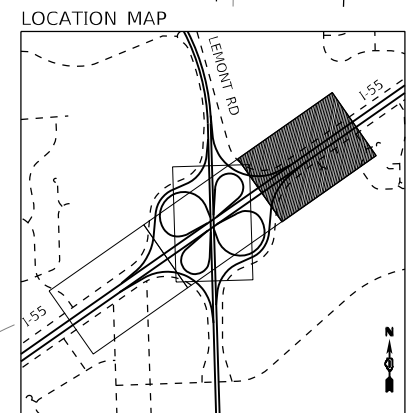
SCALE: 1"=50'

SHEET 2 OF 4 SHEETS STA. 270+00.00 TO STA. 285+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	111
		CONTRACT NO. 62G39		
ILLINOIS FED. AID PROJECT				



THERE ARE NO REMOVAL ITEMS ON THIS SHEET



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USER NAME = evan.b  
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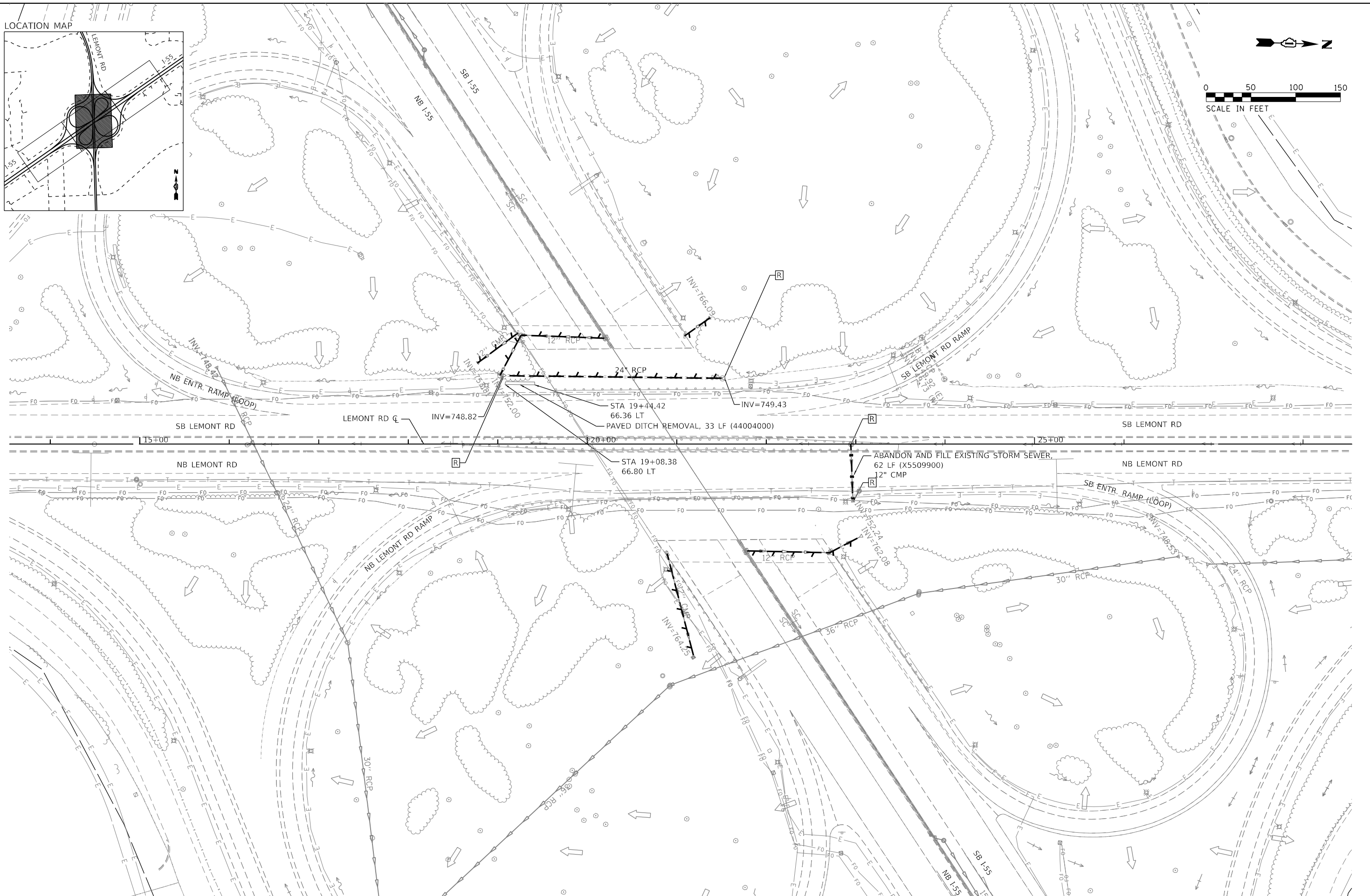
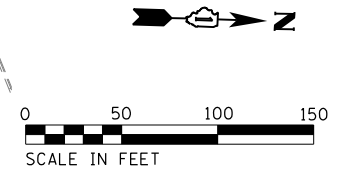
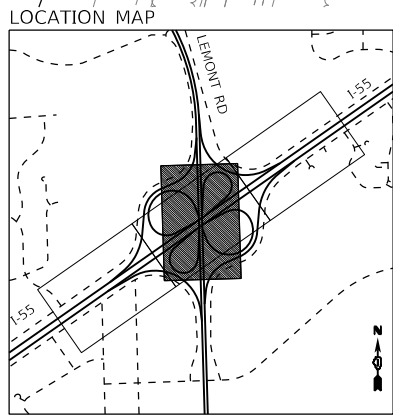
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 CHECKED - OIU  
 DATE - 1/29/2021

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 REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE OVER LEMONT ROAD**  
**EXISTING /REMOVAL DRAINAGE PLAN**  
 SCALE: 1"=50'  
 SHEET 3 OF 4 SHEETS  
 STA. 285+00.00 TO STA. 300+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	112
CONTRACT NO. 62G39				
		ILLINOIS	FED. AID PROJECT	



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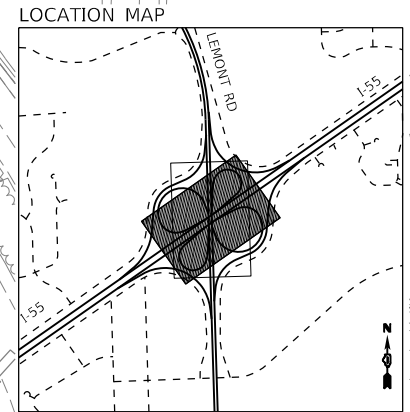
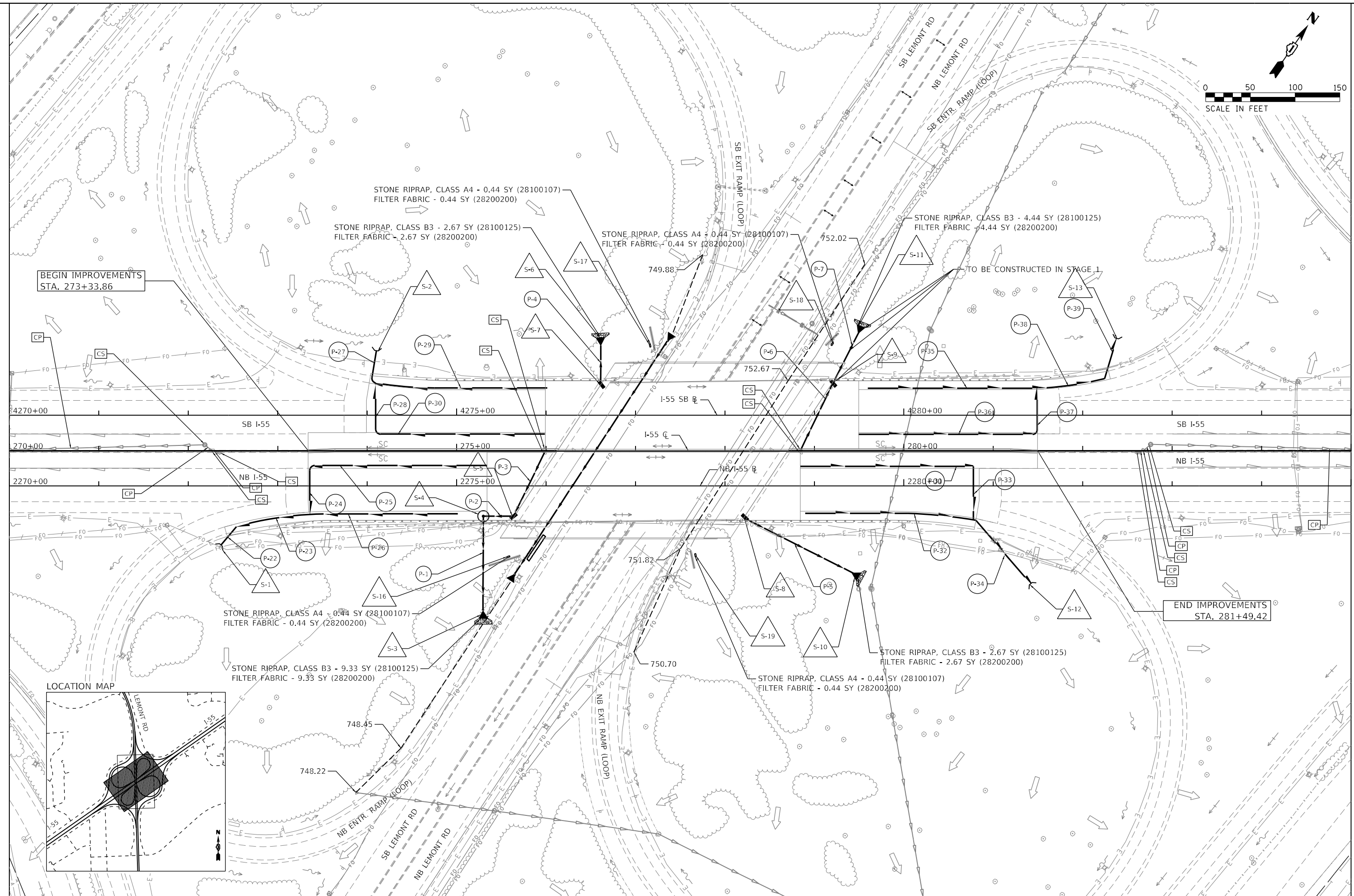
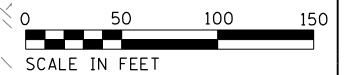
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>I-55 INTERCHANGE OVER LEMONT ROAD</b>			
<b>EXISTING /REMOVAL DRAINAGE PLAN</b>			
SCALE: 1"=50'	SHEET 4	OF 4 SHEETS	STA. 10+00.00 TO STA. 32+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	113
				CONTRACT NO. 62G39
ILLINOIS		FED. AID PROJECT		





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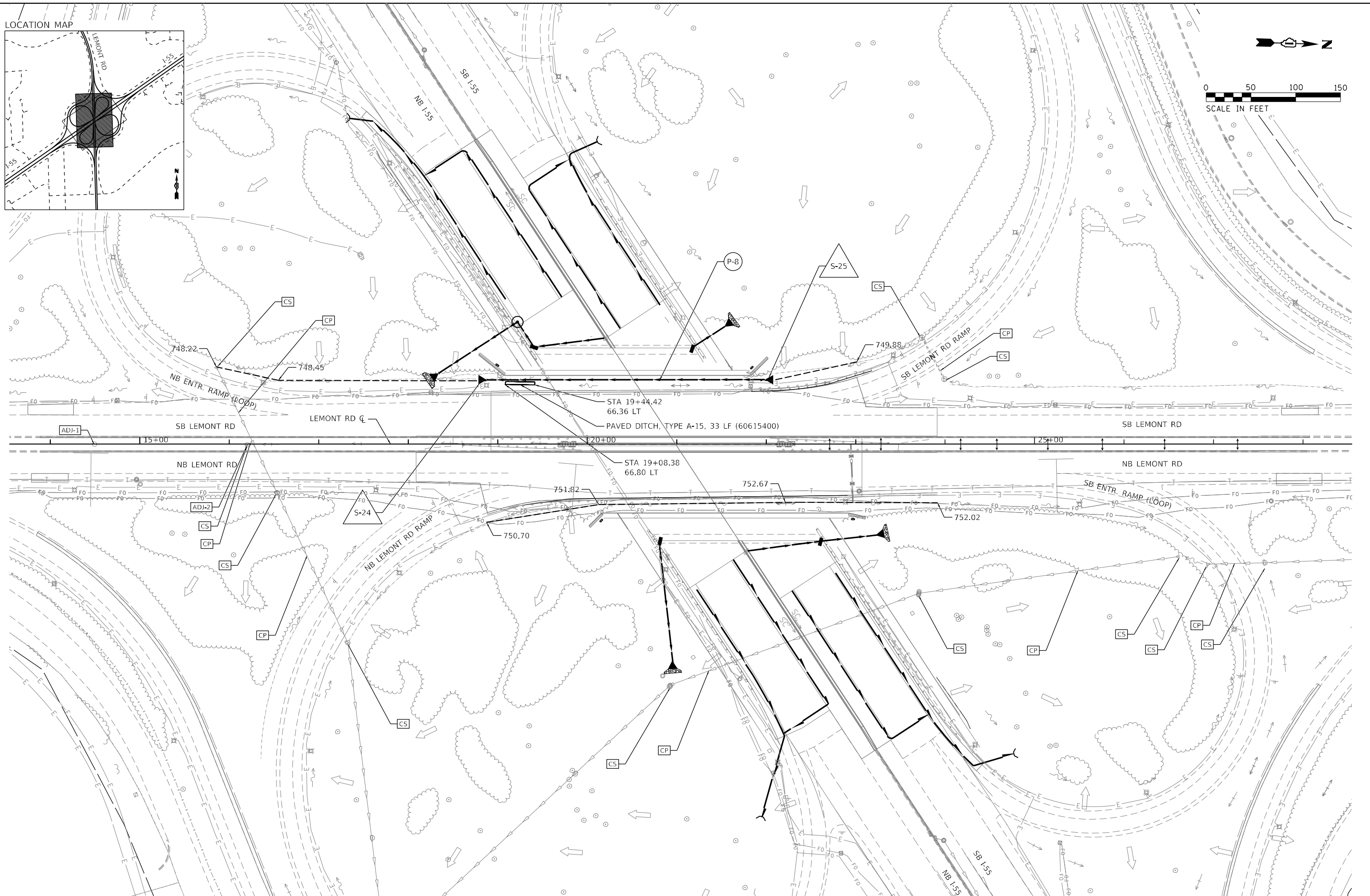
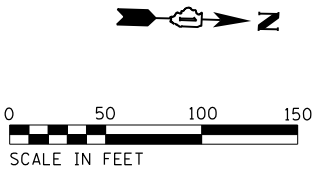
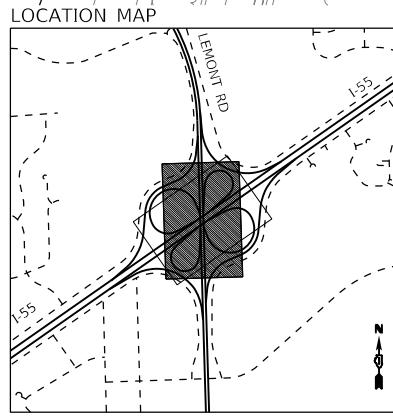


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DRAWN - EB	REVISOR -	
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PLOT DATE = 1/27/2021	DATE - 1/29/2021	REVISOR -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>I-55 INTERCHANGE OVER LEMONT ROAD PROPOSED DRAINAGE PLAN</b>			
SCALE: 1"=50'	SHEET 1	OF 2 SHEETS	STA. 270+00.00 TO STA. 285+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	115
CONTRACT NO. 62G39				
ILLINOIS FED. AID PROJECT				



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DESIGNED - BS  
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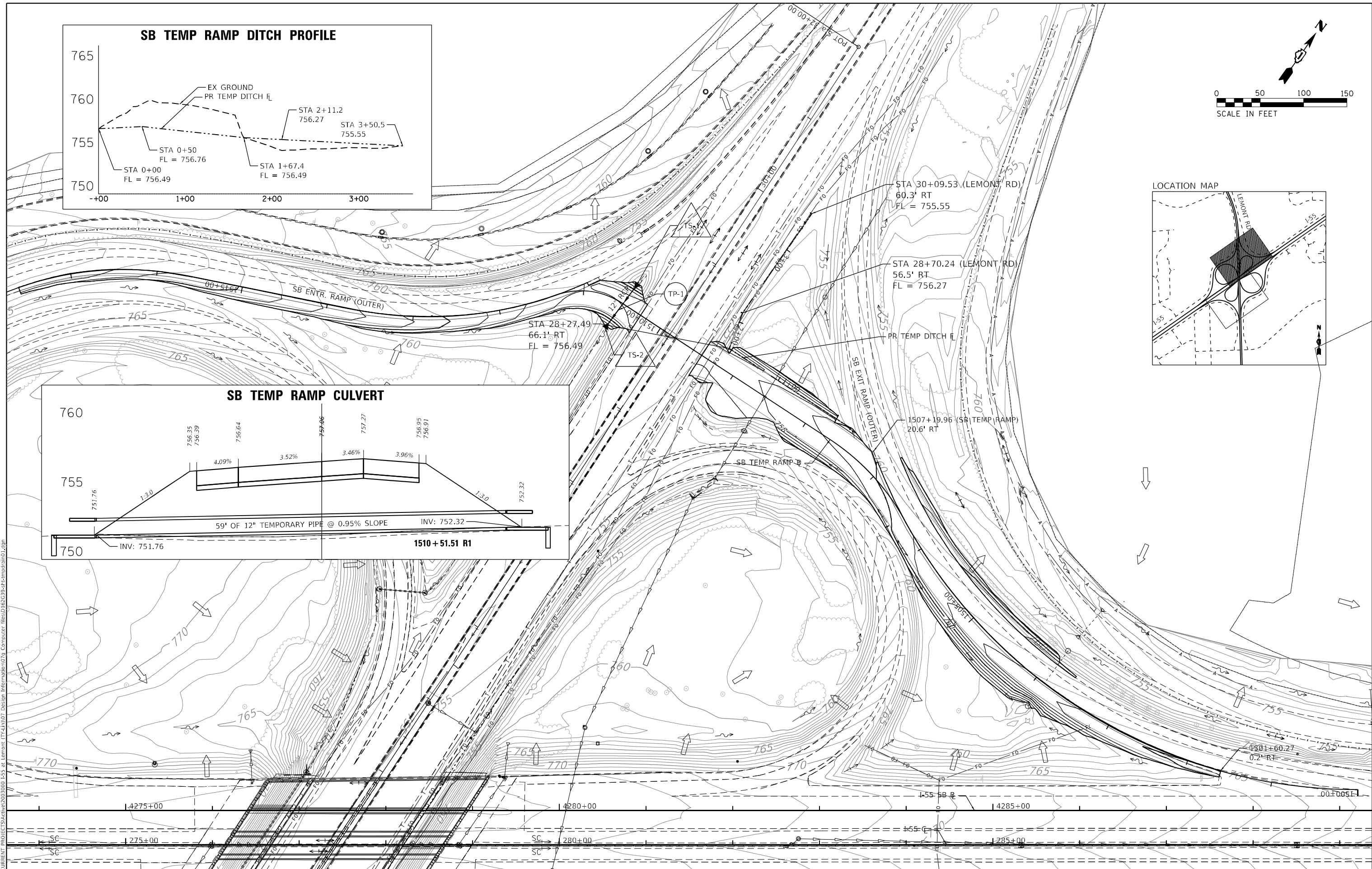
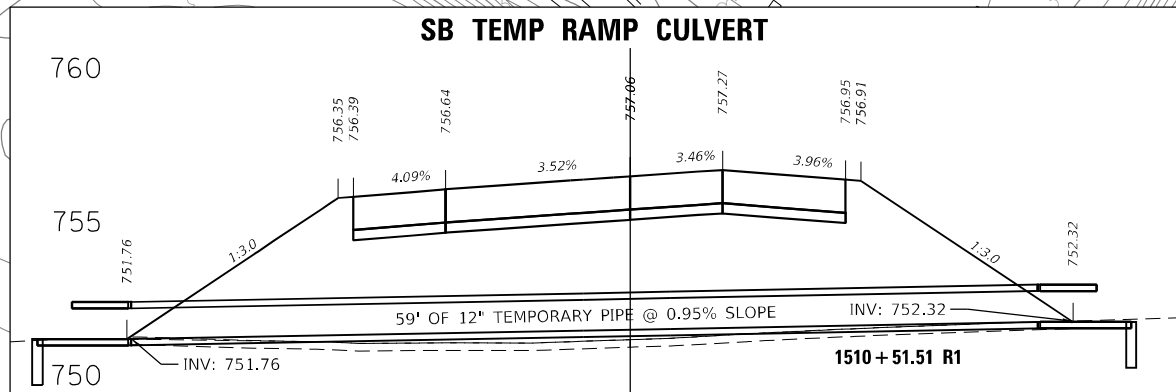
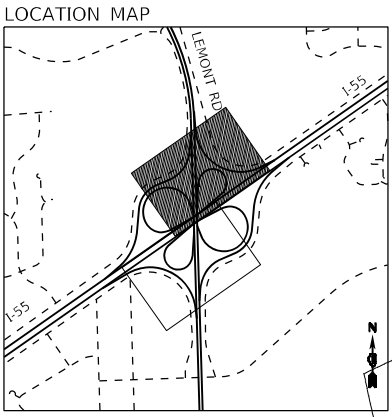
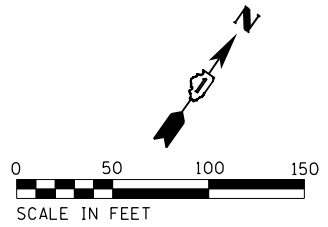
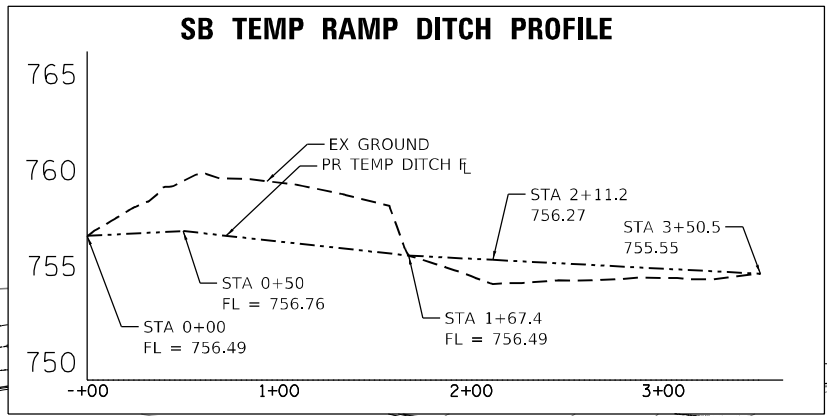
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE OVER LEMONT ROAD  
 PROPOSED DRAINAGE PLAN**

SCALE: 1"=50'  
 SHEET 2 OF 2 SHEETS  
 STA. 10+00.00 TO STA. 32+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	116
CONTRACT NO. 62G39			ILLINOIS FED. AID PROJECT	





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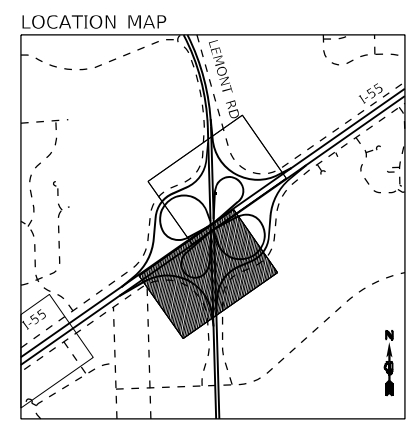
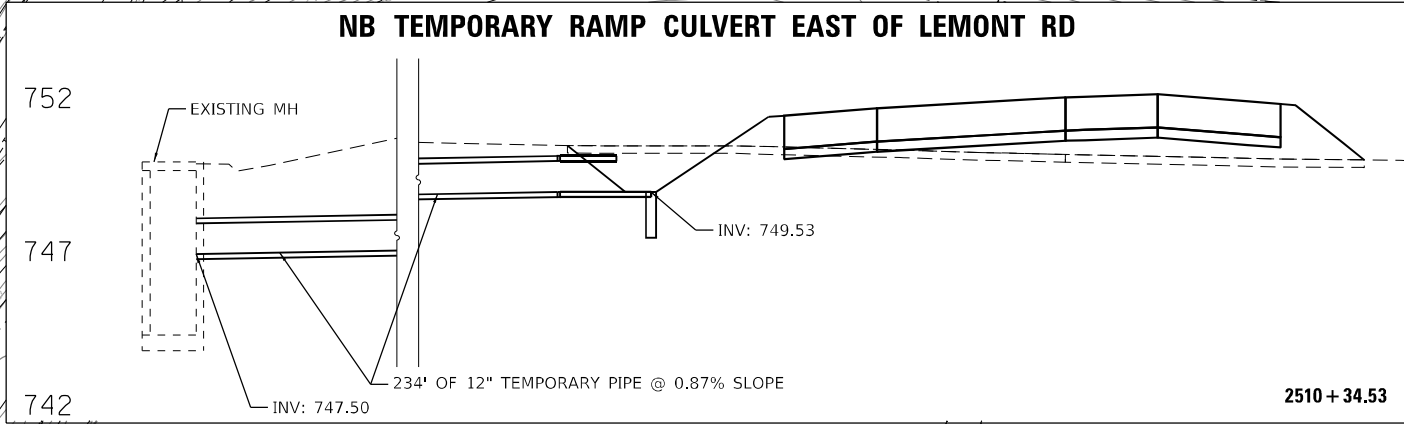
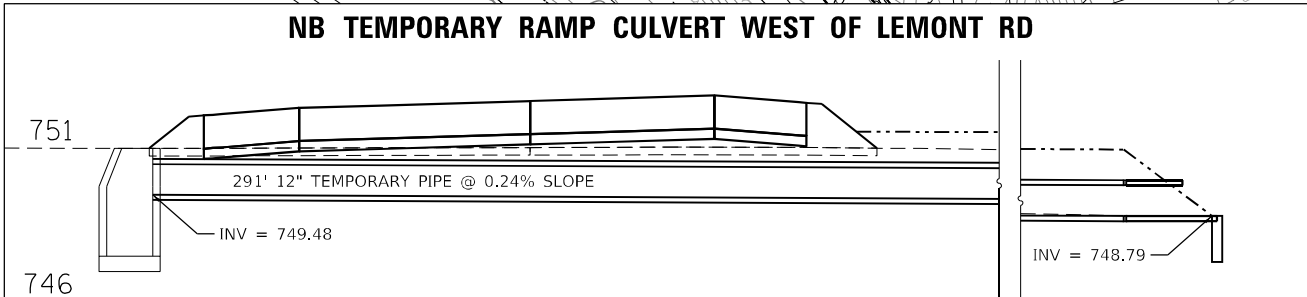
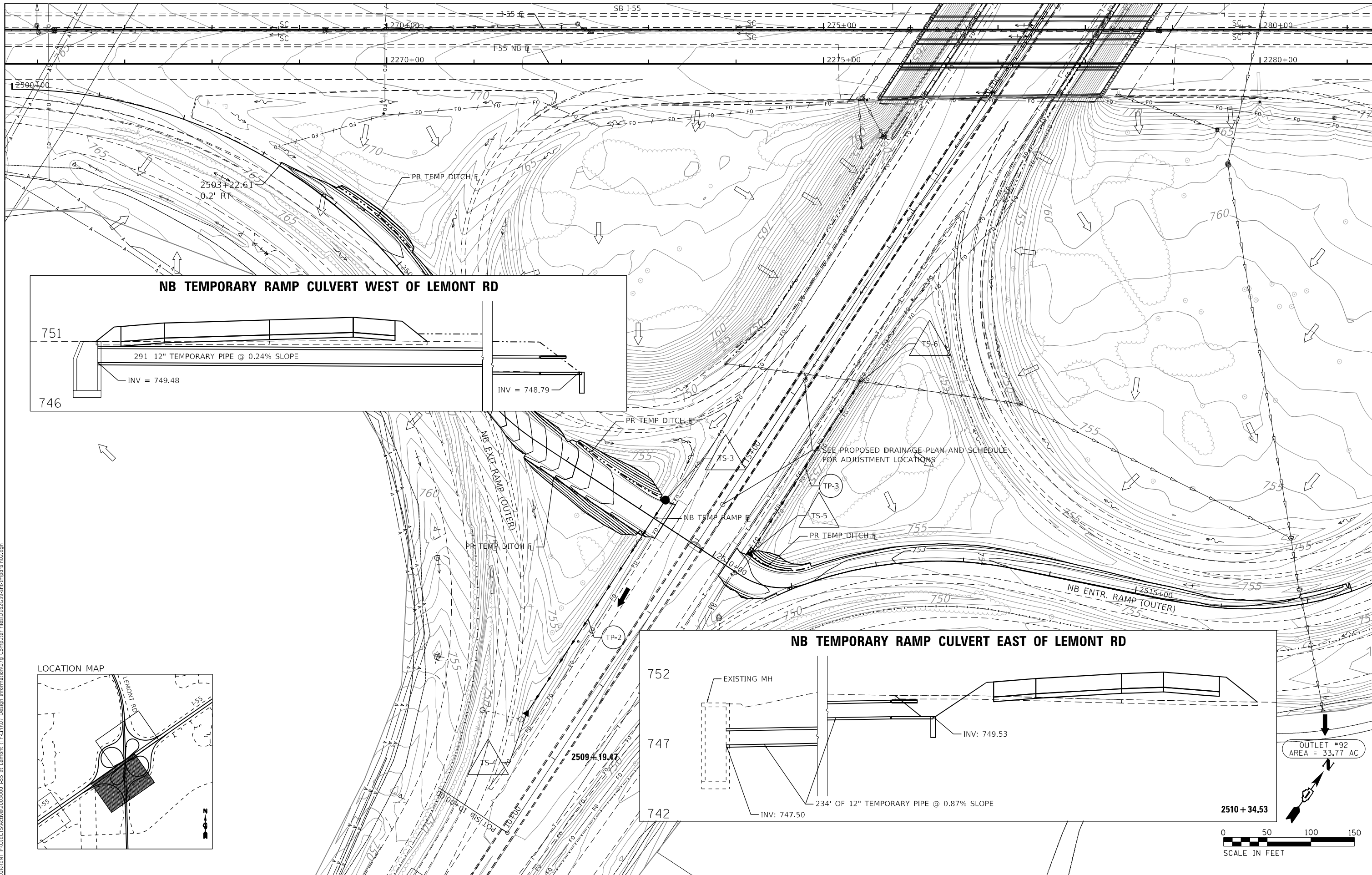
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

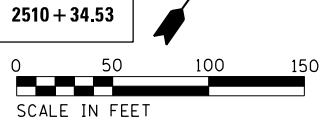
**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD**  
**TEMPORARY DRAINAGE - SB RAMPS**

SCALE: 1"=50'    SHEET 1 OF 2 SHEETS    STA. 1500+00.00 TO STA. 1522+00.00

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	117
CONTRACT NO. 62G39				
ILLINOIS FED. AID PROJECT				



OUTLET #92  
 AREA = 33.77 AC



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 2im GROUP

**2im GROUP**  
 2IM Group, LLC  
 118 South Clinton St.  
 Suite 350  
 Chicago, IL 60661

USER NAME = PBrugliera	DESIGNED - PDB	REVISED -
DRAWN - PDB	REVISED -	
PLOT SCALE = 100,0000' / in.	CHECKED - OIU	REVISED -
PLOT DATE = 1/27/2021	DATE - 1/29/2021	REVISED -

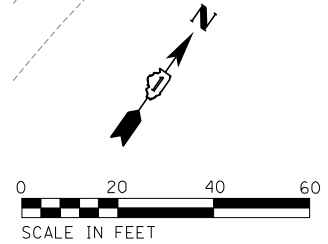
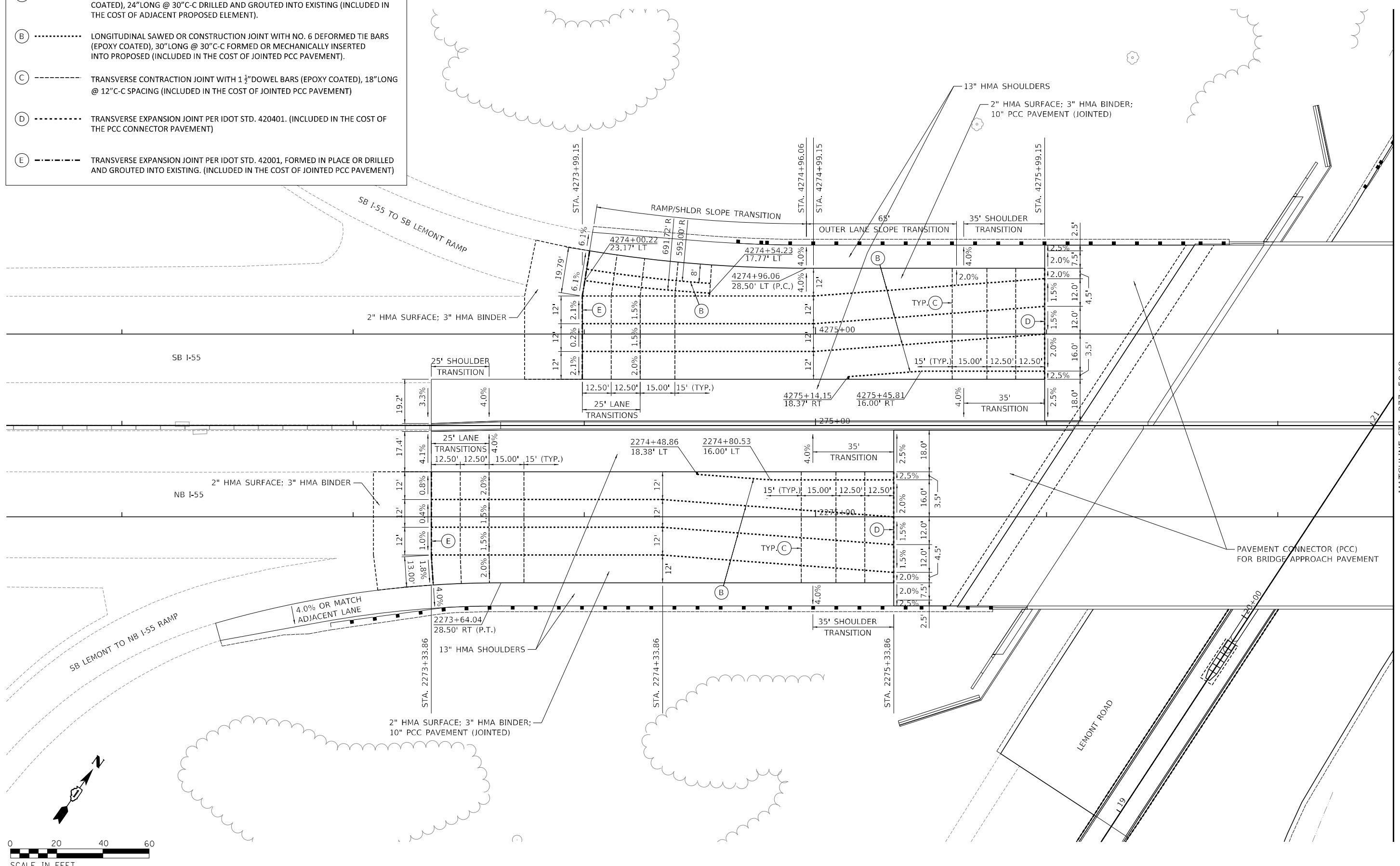
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD  
 TEMPORARY DRAINAGE - NB RAMPS**  
 SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. 2500+00.00 TO STA. 2522+00.00

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	118
CONTRACT NO. 62G39				
ILLINOIS FED. AID PROJECT				

LEGEND

- (A) - - - - - LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 DEFORMED TIE BARS (EPOXY COATED), 24" LONG @ 30" C-C DRILLED AND GROUTED INTO EXISTING (INCLUDED IN THE COST OF ADJACENT PROPOSED ELEMENT).
- (B) - - - - - LONGITUDINAL SAWS OR CONSTRUCTION JOINT WITH NO. 6 DEFORMED TIE BARS (EPOXY COATED), 30" LONG @ 30" C-C FORMED OR MECHANICALLY INSERTED INTO PROPOSED (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT).
- (C) - - - - - TRANSVERSE CONTRACTION JOINT WITH 1 1/2" DOWEL BARS (EPOXY COATED), 18" LONG @ 12" C-C SPACING (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT)
- (D) - - - - - TRANSVERSE EXPANSION JOINT PER IDOT STD. 420401. (INCLUDED IN THE COST OF THE PCC CONNECTOR PAVEMENT)
- (E) - - - - - TRANSVERSE EXPANSION JOINT PER IDOT STD. 42001, FORMED IN PLACE OR DRILLED AND GROUTED INTO EXISTING. (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT)



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**TYLIN INTERNATIONAL**  
 200 S. WACKER DR.  
 SUITE 1400  
 CHICAGO, IL 60606  
 TEL: 312-777-2900

USER NAME = mgormely	DESIGNED - KRP	REVISED -
PLOT SCALE = 40,0000 */ in.	DRAWN - CRH	REVISED -
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

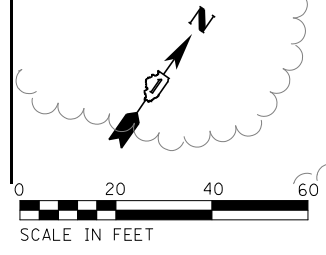
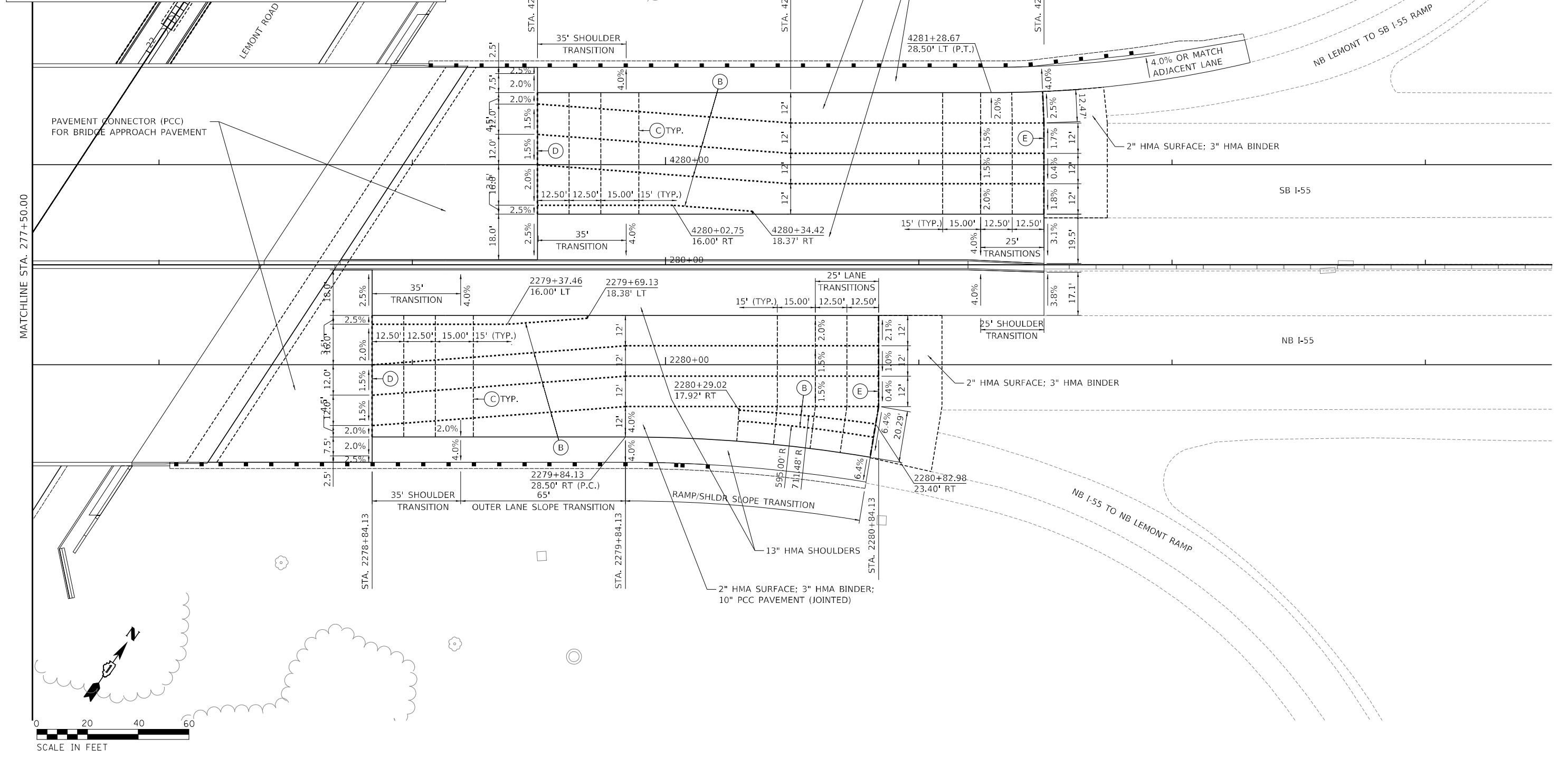
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**PAVEMENT JOINTING PLAN - I-55**  
 SCALE: 1"=20'    SHEET 1 OF 3 SHEETS    STA. 271+50.00 TO STA. 277+50.00

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	119
CONTRACT NO. 62G39				
ILLINOIS FED. AID PROJECT: NHP-PR24(873)				

MATCHLINE STA. 277+50.00

LEGEND

- (A) - - - - - LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 DEFORMED TIE BARS (EPOXY COATED), 24" LONG @ 30" C-C DRILLED AND GROUTED INTO EXISTING (INCLUDED IN THE COST OF ADJACENT PROPOSED ELEMENT).
- (B) - - - - - LONGITUDINAL SAWED OR CONSTRUCTION JOINT WITH NO. 6 DEFORMED TIE BARS (EPOXY COATED), 30" LONG @ 30" C-C FORMED OR MECHANICALLY INSERTED INTO PROPOSED (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT).
- (C) - - - - - TRANSVERSE CONTRACTION JOINT WITH 1 1/2" DOWEL BARS (EPOXY COATED), 18" LONG @ 12" C-C SPACING (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT)
- (D) - - - - - TRANSVERSE EXPANSION JOINT PER IDOT STD. 420401. (INCLUDED IN THE COST OF THE PCC CONNECTOR PAVEMENT)
- (E) - - - - - TRANSVERSE EXPANSION JOINT PER IDOT STD. 42001, FORMED IN PLACE OR DRILLED AND GROUTED INTO EXISTING. (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT)



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**TYLIN INTERNATIONAL**  
 200 S. WACKER DR.  
 SUITE 1400  
 CHICAGO, IL 60606  
 TEL: 312-777-2900

USER NAME = mgormely  
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 PLOT DATE = 1/27/2021

DESIGNED - KRP  
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 DATE - 1/29/2021

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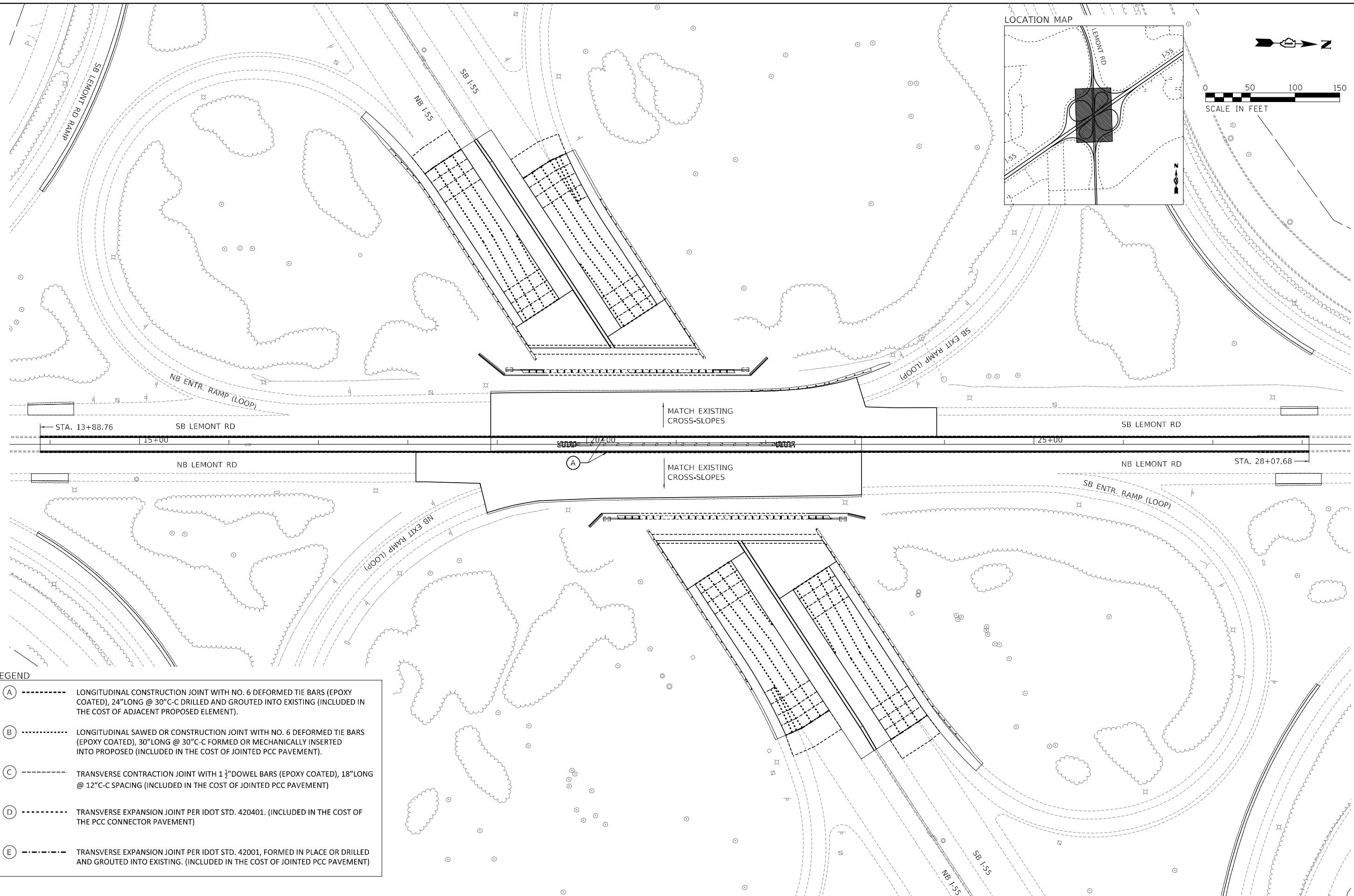
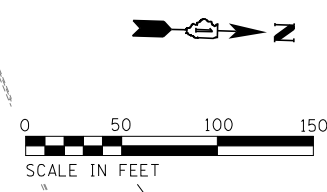
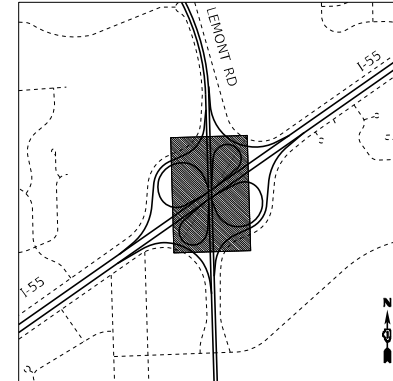
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD  
 PAVEMENT JOINTING PLAN - I-55**

SCALE: 1"=20'    SHEET 2 OF 3 SHEETS    STA. 277+50.00 TO STA. 283+50.00

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	120
CONTRACT NO. 62G39				
ILLINOIS FED. AID PROJECT: NHPP-PR24(873)				

LOCATION MAP



**LEGEND**

(A) - - - - -	LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 DEFORMED TIE BARS (EPOXY COATED), 24" LONG @ 30" C-C DRILLED AND GROUTED INTO EXISTING (INCLUDED IN THE COST OF ADJACENT PROPOSED ELEMENT).
(B) - ·····	LONGITUDINAL SAWED OR CONSTRUCTION JOINT WITH NO. 6 DEFORMED TIE BARS (EPOXY COATED), 30" LONG @ 30" C-C FORMED OR MECHANICALLY INSERTED INTO PROPOSED (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT).
(C) - - - - -	TRANSVERSE CONTRACTION JOINT WITH 1 1/2" DOWEL BARS (EPOXY COATED), 18" LONG @ 12" C-C SPACING (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT)
(D) - ·····	TRANSVERSE EXPANSION JOINT PER IDOT STD. 420401. (INCLUDED IN THE COST OF THE PCC CONNECTOR PAVEMENT)
(E) - - - - -	TRANSVERSE EXPANSION JOINT PER IDOT STD. 42001, FORMED IN PLACE OR DRILLED AND GROUTED INTO EXISTING. (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT)

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**TYLIN INTERNATIONAL**  
 200 S. WACKER DR.  
 SUITE 1400  
 CHICAGO, IL 60606  
 TEL: 312-777-2900

USER NAME = mgormely	DESIGNED - KRP	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - CRH	REVISED -
PLOT DATE = 1/27/2021	CHECKED - MPG	REVISED -
	DATE - 1/29/2021	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD**  
**PAVEMENT JOINTING PLAN - LEMONT RD**  
 SCALE: 1"=50'    SHEET 3 OF 3 SHEETS    STA. 10+00.00 TO STA. 32+00.00

F.A.1 RTE. 55	SECTION 22-36HB-1	COUNTY DUPAGE	TOTAL SHEETS 333	SHEET NO. 121
CONTRACT NO. 62G39			ILLINOIS FED. AID PROJECT: NHP-PR24(873)	

EROSION CONTROL SCHEDULE

**EROSION AND SEDIMENT CONTROL GENERAL NOTES:**

- ALL EROSION AND SEDIMENT CONTROL (ESC) MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION FOUND ON THE CONSTRUCTION TAB AT: (HTTP://WWW.IDOT.ILLINOIS.GOV/TRANSPORTATION-SYSTEM/ENVIRONMENT/EROSION-AND-SEDIMENT-CONTROL).
- THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION.
- THE CONTRACTOR SHALL CHECK ALL ESC MEASURES WEEKLY AND AFTER EACH RAINFALL, 0.5 INCHES OR GREATER IN A 24 HOUR PERIOD, OR EQUIVALENT SNOWFALL. ADDITIONALLY DURING WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOWMELT.
- THE CONTRACTOR SHOULD PROVIDE TO THE RE A PLAN TO ENSURE THAT A STABILIZED FLOW LINE WILL BE PROVIDED DURING STORM SEWER CONSTRUCTION. THE USE OF A STABILIZED FLOW LINE BETWEEN INSTALLED STORM SEWER AND OPEN DISTURBANCE WILL REDUCE THE POTENTIAL FOR THE OFFSITE DISCHARGE OF SEDIMENT-BEARING WATERS, ESPECIALLY WHEN RAIN IS FORECASTED. SO THAT FLOW WILL NOT ERODE. LACK OF APPROVED PLAN OR FAILURE TO COMPLY WILL RESULT IN AN ESC DEFICIENCY DEDUCTION.
- ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL.
- TEMPORARY OR PERMANENT STABILIZATION SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OF DISTURBANCE OR IF THE WORK AREA IS TO BE LEFT UNDISTURBED FOR 14 DAYS OR MORE.
- UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.
- EROSION CONTROL ITEMS ARE CONSIDERED TO BE A HIGH PRIORITY ON THIS CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE RESIDENT ENGINEER.

**EROSION AND SEDIMENT CONTROL STAGING NOTES:**

- ALL EROSION CONTROL MEASURES SHOWN ON THE FOLLOWING PLANS SHALL BE INSTALLED AT THE BEGINNING OF THE STAGE IDENTIFIED ON THE PLAN OR AS SOON AS NEEDED (SEE MAINTENANCE OF TRAFFIC PLANS) AND MAINTAINED THROUGHOUT THE SUBSEQUENT STAGES.

DESCRIPTION	CONSTRUCT STAGE	LOCATION				TEMPORARY FENCE (FOOT) (20101000)	MULCH METHOD 2 (ACRE) (25100115)	TEMP EROS CONTR SEED (POUND) (28000250)	TEMP DITCH CHECKS (FOOT) (28000305)	PERIMETER EROS BAR (FOOT) (28000400)	INLET & PIPE PROTECT (EACH) (28000500)	INLET FILTERS (EACH) (28000510)	TEMP HD EROS CONTR BL (SQ YD) (28001200)	STAB CONSTR ENTRANCE (SQ YD) (Z0013797)
		FROM		TO										
		STATION	OFFSET	STATION	OFFSET									
I-55 NB S OUTER INFIELD	1	2268+47.6	RT	2271+22.4	RT	720								
I-55 NB ENTR LOOP	1	2271+44.6	RT	2275+23.6	RT	1,080				1				
I-55 NB EXIT LOOP	1	2277+09.6	RT	2282+57.1	RT	1,620				1				
I-55 NB N OUTER INFIELD	1	2282+55.7	RT	2286+79.8	RT	1,230								
I-55 SB S OUTER INFIELD	1	4268+04.0	LT	4272+25.8	LT	1,230				1				
I-55 SB EXIT LOOP	1	4272+25.9	LT	4277+70.9	LT	1,610								
I-55 SB ENTR LOOP	1	4279+46.3	LT	4283+38.3	LT	1,080								
I-55 SB N OUTER INFIELD	1	4283+78.5	LT	4286+45.0	LT	680								
I-55 NB S OUTSIDE (TEMP PVMT)	1	2269+06.0	RT	2271+93.8	RT		0.06	6	21					
I-55 NB BRIDGE APPR OUT	1	2272+33.2	RT	2274+98.9	RT		0.13	13		264				
I-55 NB BRIDGE APPR OUT	1	2274+98.9	RT	2275+89.5	RT			8		49		345		
I-55 NB BRIDGE DEPART OUT	1	2277+64.0	RT	2278+39.3	RT			8		76		369		
I-55 NB BRIDGE DEPART OUT	1	2278+39.3	RT	2280+88.9	RT		0.15	15		251				
I-55 NB N OUTSIDE (TEMP PVMT)	1	2281+96.6	RT	2286+25.9	RT		0.15	15		422				
I-55 SB S OUTSIDE (TEMP PVMT)	1	4268+36.7	LT	4272+95.7	LT		0.11	11	42					
I-55 SB BRIDGE DEPART OUT	1	4273+93.8	LT	4276+44.0	LT		0.15	15		252				
I-55 SB BRIDGE DEPART OUT	1	4276+44.0	LT	4277+19.3	LT			9		76		405		
I-55 SB BRIDGE APPR OUT	1	4278+93.8	LT	4279+94.4	LT			10		77		440		
I-55 SB BRIDGE APPR OUT	1	4279+94.4	LT	4278+38.4	LT		0.12	12		244				
I-55 SB N OUTSIDE (TEMP PVMT)	1	4282+90.7	LT	4286+39.8	LT		0.17	17		329				
I-55 SB AUX LANE (TEMP PVMT)	PRE	4290+74.5	LT	4305+76.7	LT		0.54	54	91	1,392				
SB OUTER EXIT RAMP IN (TEMP PVMT)	PRE	1501+59.9	LT	1509+42.7	LT		0.35	35	21	677	2			
SB OUTER EXIT RAMP OUT (TEMP PVMT)	PRE	1503+57.7	RT	1507+00.2	RT		0.05	5						
SB OUTER EXIT RAMP OUT (TEMP PVMT)	PRE	1507+21.1	RT	1509+43.1	RT		0.10	10						
SB OUTER ENTR RAMP OUT (TEMP PVMT)	PRE	1510+27.2	RT	1510+84.0	RT		0.03	3						
SB OUTER ENTR RAMP IN (TEMP PVMT)	PRE	1510+34.8	LT	1517+67.1	LT		0.17	17		650				
NB OUTER EXIT RAMP IN (TEMP PVMT)	PRE	2503+22.5	LT	2509+32.0	LT		0.20	20	14	458				
NB OUTER EXIT RAMP OUT (TEMP PVMT)	PRE	2506+95.5	RT	2509+33.1	RT		0.10	10	7					
NB OUTER ENTR RAMP OUT (TEMP PVMT)	PRE	2510+17.8	RT	2510+71.6	RT		0.06	6						
NB OUTER ENTR RAMP IN (TEMP PVMT)	PRE	2510+25.1	LT	2517+52.1	LT		0.18	18	7	87				
NB LEMONT - INTERSECTION TO GORE	PRE	14+33.1	RT	18+81.8	RT		0.12	12			3			
NB LEMONT AT BRIDGE	1	18+79.2	RT	24+01.3	RT		0.24	24	21					
NB LEMONT AT INTERSECTION	PRE	28+41.5	RT	30+09.5	RT		0.11	11			1			
SB LEMONT AT INTERSECTION	PRE	11+30.0	LT	13+53.1	LT		0.12	12			2			
SB LEMONT AT BRIDGE	1	17+99.1	LT	23+38.2	LT		0.27	27	7					
SB LEMONT AT GORE (TEMP PVMT)	PRE	23+10.3	LT	25+71.9	LT		0.04	4			1			
SB LEMONT AT INTERSECTION (TEMP PVMT)	PRE	26+26.4	LT	27+65.5	LT		0.05	5						
NOMINAL QUANTITY*	MULTIPLE												1,862	
LEMONT ROAD MEDIAN	PRE										3			
I-55 MEDIAN (SOUTH OF BRIDGE)	1										10			
I-55 MEDIAN (NORTH OF BRIDGE)	1										12			
TOTAL						9,250	3.77	412	231	5,304	12	1,559	1,862	
ROUNDED TOTAL						N/A	4.00	N/A	N/A	N/A	N/A	N/A	N/A	

\* LOCATIONS OF STABILIZED CONSTRUCTION ENTRANCES TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

MODEL: D:\p6\h...  
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**TYLIN INTERNATIONAL**  
200 S. WACKER DR.  
SUITE 1400  
CHICAGO, IL 60606  
TEL: 312-777-2900

USER NAME = mgorhely  
PLOT SCALE = 2,0000 ' / in.  
PLOT DATE = 1/27/2021

DESIGNED - KRP  
DRAWN - CRH  
CHECKED - MPG  
DATE - 1/29/2021

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REVISED -  
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REVISED -

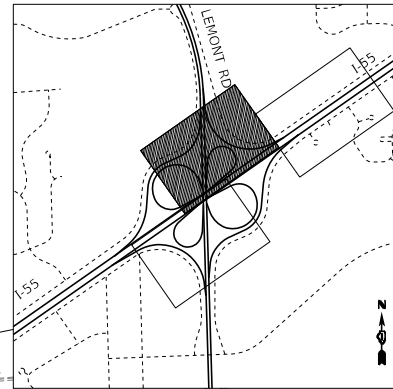
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD  
EROSION AND SEDIMENT CONTROL SCHEDULE**

SCALE: NONE SHEET 1 OF 8 SHEETS STA. N/A TO STA. N/A

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	122
CONTRACT NO. 62G39				
ILLINOIS FED. AID PROJECT: NHPP-PR24(873)				

LOCATION MAP

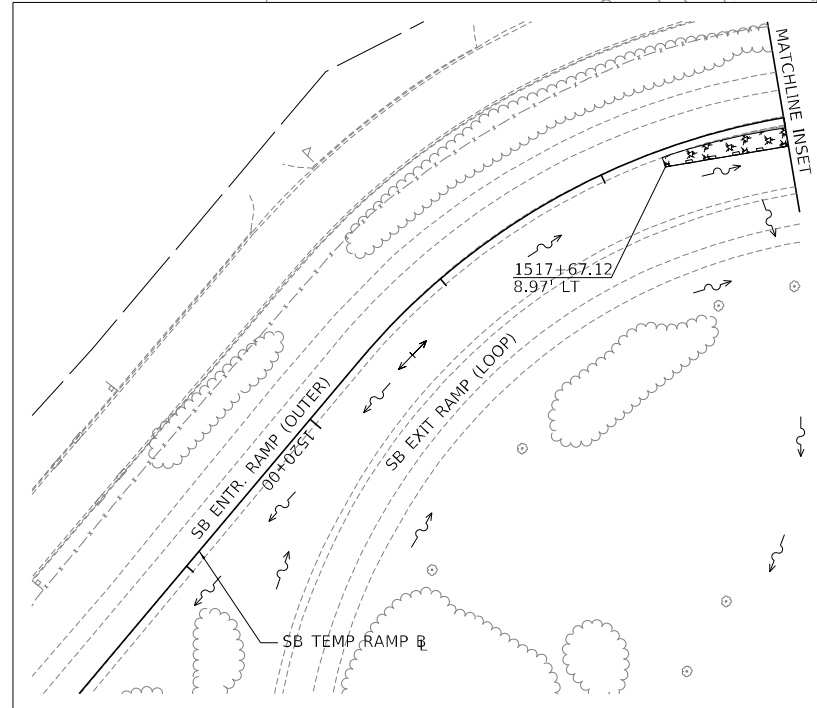
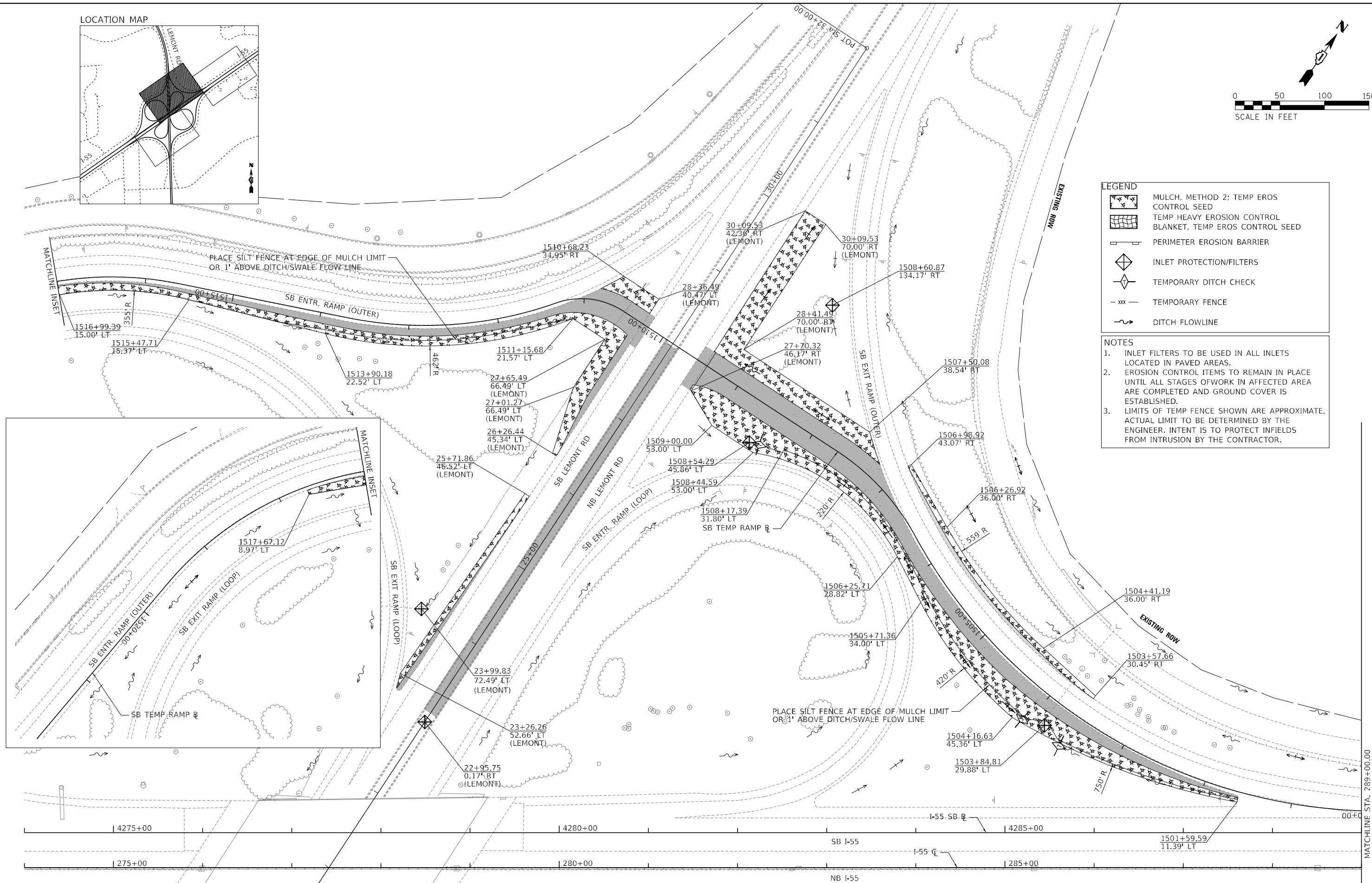


**LEGEND**

- MULCH, METHOD 2; TEMP EROS CONTROL SEED
- TEMP HEAVY EROSION CONTROL BLANKET, TEMP EROS CONTROL SEED
- PERIMETER EROSION BARRIER
- INLET PROTECTION/FILTERS
- TEMPORARY DITCH CHECK
- TEMPORARY FENCE
- DITCH FLOWLINE

**NOTES**

1. INLET FILTERS TO BE USED IN ALL INLETS LOCATED IN PAVED AREAS.
2. EROSION CONTROL ITEMS TO REMAIN IN PLACE UNTIL ALL STAGES OF WORK IN AFFECTED AREA ARE COMPLETED AND GROUND COVER IS ESTABLISHED.
3. LIMITS OF TEMP FENCE SHOWN ARE APPROXIMATE. ACTUAL LIMIT TO BE DETERMINED BY THE ENGINEER. INTENT IS TO PROTECT INFIELDS FROM INTRUSION BY THE CONTRACTOR.



**TYLIN INTERNATIONAL**  
 200 S. WACKER DR.  
 SUITE 1400  
 CHICAGO, IL 60606  
 TEL: 312-777-2900

USER NAME = mgomely  
 PLOT SCALE = 100,0000' / in.  
 PLOT DATE = 1/27/2021

DESIGNED - KRP  
 DRAWN - CRH  
 CHECKED - MPG  
 DATE - 1/29/2021

REVISED -  
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 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

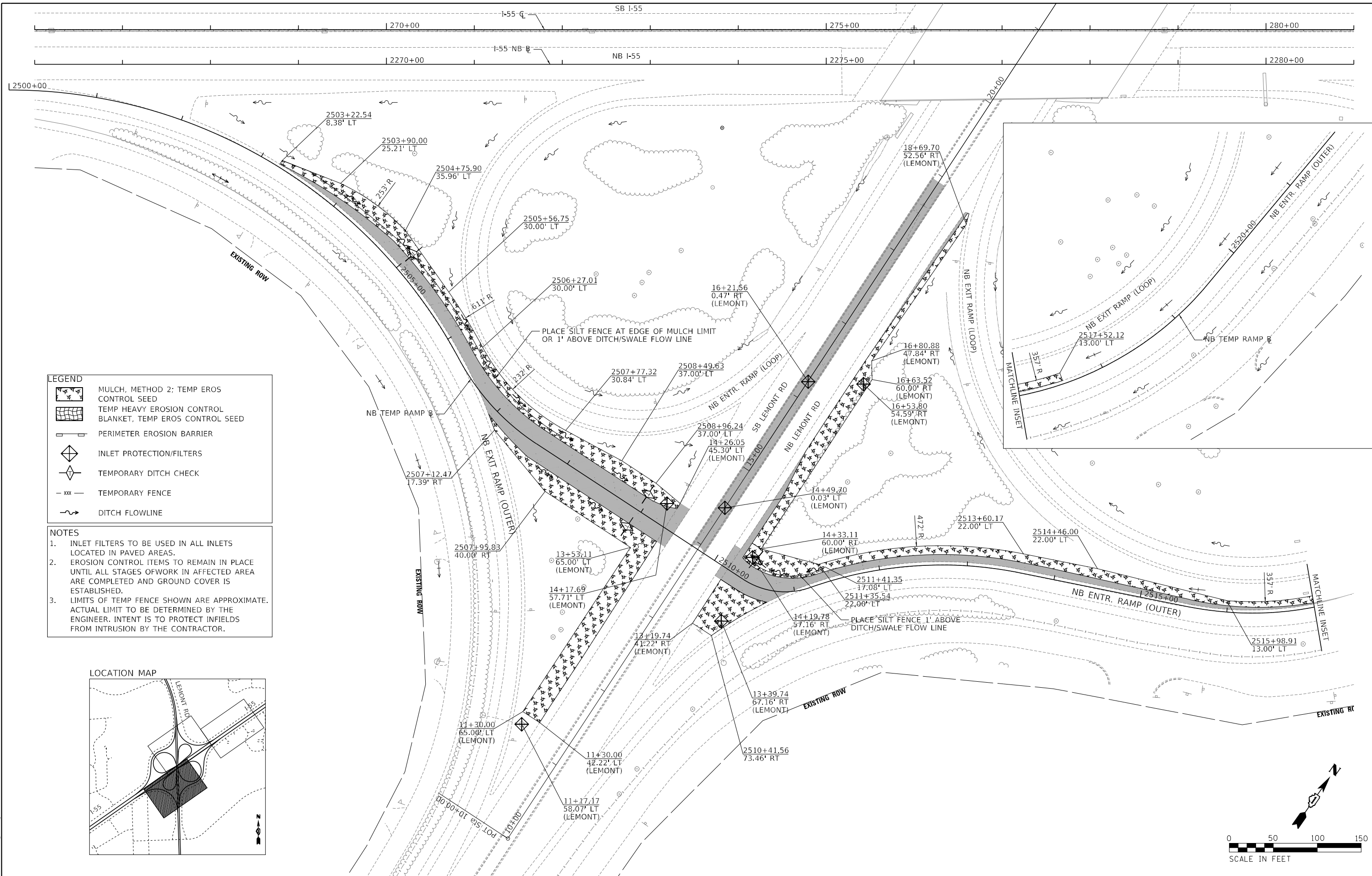
**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD  
 EROSION AND SEDIMENT CONTROL PLAN - TEMP RAMPS - PRESTAGE**

SCALE: 1"=50' SHEET 2 OF 8 SHEETS STA. 1500+00.00 TO STA. 1522+00.00

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	123
CONTRACT NO. 62G39			ILLINOIS FED. AID PROJECT: NHP-PR24(873)	

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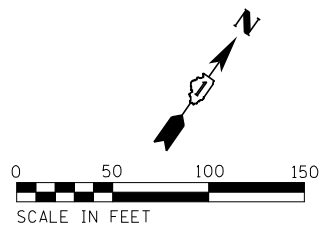
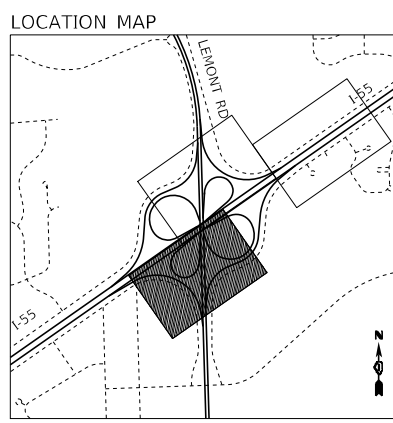
MATCHLINE STA. 289+00.00



**LEGEND**

	MULCH, METHOD 2; TEMP EROS CONTROL SEED
	TEMP HEAVY EROSION CONTROL BLANKET, TEMP EROS CONTROL SEED
	PERIMETER EROSION BARRIER
	INLET PROTECTION/FILTERS
	TEMPORARY DITCH CHECK
	TEMPORARY FENCE
	DITCH FLOWLINE

- NOTES**
1. INLET FILTERS TO BE USED IN ALL INLETS LOCATED IN PAVED AREAS.
  2. EROSION CONTROL ITEMS TO REMAIN IN PLACE UNTIL ALL STAGES OF WORK IN AFFECTED AREA ARE COMPLETED AND GROUND COVER IS ESTABLISHED.
  3. LIMITS OF TEMP FENCE SHOWN ARE APPROXIMATE. ACTUAL LIMIT TO BE DETERMINED BY THE ENGINEER. INTENT IS TO PROTECT INFIELDS FROM INTRUSION BY THE CONTRACTOR.



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**TYLIN INTERNATIONAL**  
 200 S. WACKER DR.  
 SUITE 1400  
 CHICAGO, IL 60606  
 TEL: 312-777-2900

USER NAME = mgormely  
 PLOT SCALE = 100,0000' / in.  
 PLOT DATE = 1/27/2021

DESIGNED - KRP  
 DRAWN - CRH  
 CHECKED - MPG  
 DATE - 1/29/2021

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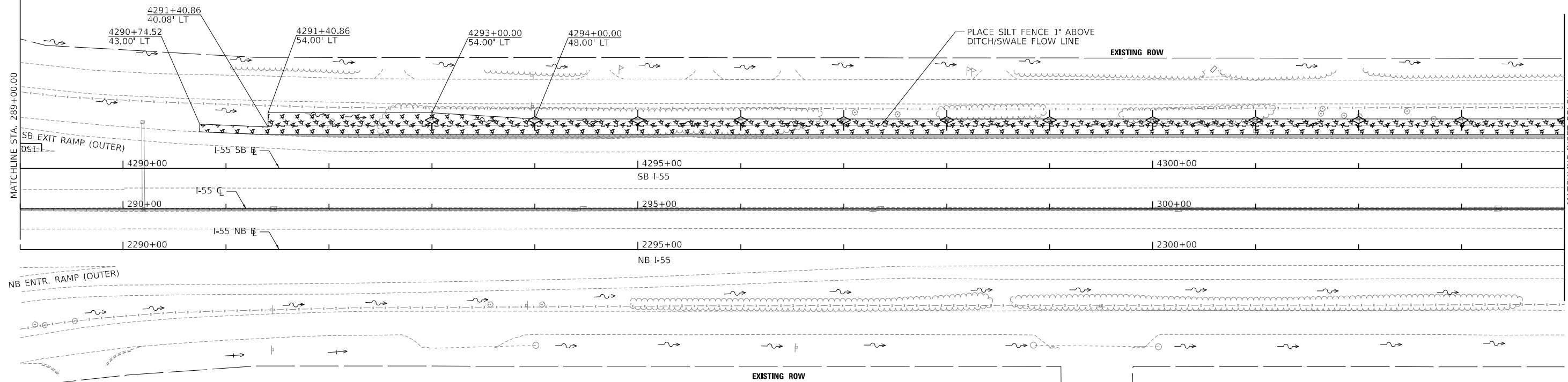
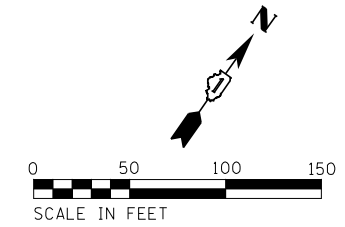
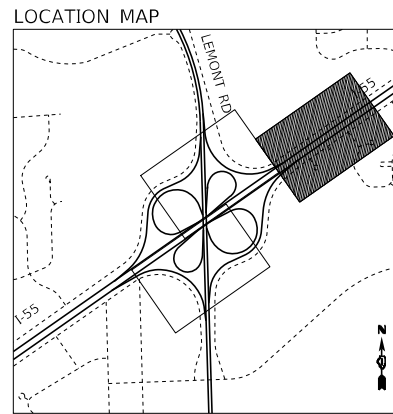
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD  
 EROSION AND SEDIMENT CONTROL PLAN - TEMP RAMPS - PRESTAGE**

SCALE: 1"=50'    SHEET 3 OF 8 SHEETS    STA. 2500+00.00 TO STA. 2522+00.00

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	124
CONTRACT NO. 62G39				
ILLINOIS FED. AID PROJECT: NHP-PR24(873)				

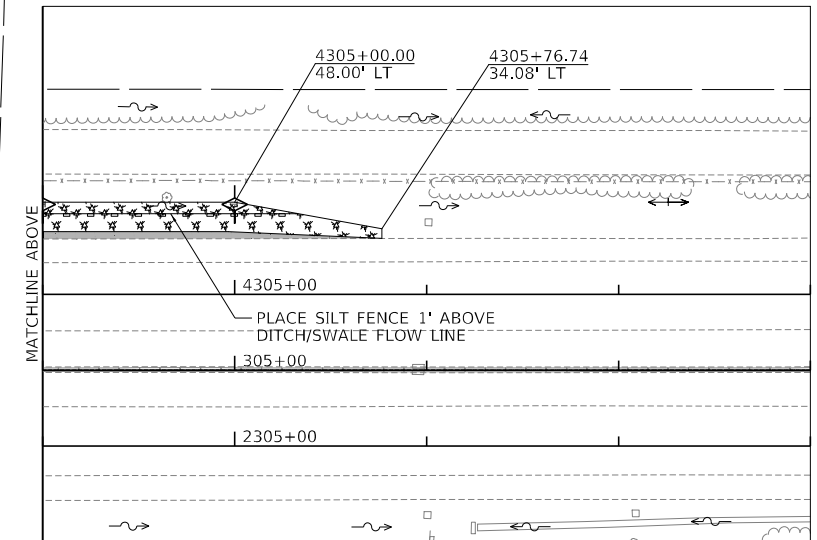




**LEGEND**

	MULCH, METHOD 2; TEMP EROS CONTROL SEED
	TEMP HEAVY EROSION CONTROL BLANKET, TEMP EROS CONTROL SEED
	PERIMETER EROSION BARRIER
	INLET PROTECTION/FILTERS
	TEMPORARY DITCH CHECK
	TEMPORARY FENCE
	DITCH FLOWLINE

- NOTES**
1. INLET FILTERS TO BE USED IN ALL INLETS LOCATED IN PAVED AREAS.
  2. EROSION CONTROL ITEMS TO REMAIN IN PLACE UNTIL ALL STAGES OF WORK IN AFFECTED AREA ARE COMPLETED AND GROUND COVER IS ESTABLISHED.
  3. LIMITS OF TEMP FENCE SHOWN ARE APPROXIMATE. ACTUAL LIMIT TO BE DETERMINED BY THE ENGINEER. INTENT IS TO PROTECT INFIELDS FROM INTRUSION BY THE CONTRACTOR.



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**TYLIN INTERNATIONAL**  
200 S. WACKER DR.  
SUITE 1400  
CHICAGO, IL 60606  
TEL: 312-777-2900

USER NAME = mgormely  
PLOT SCALE = 100,0000' / in.  
PLOT DATE = 1/27/2021

DESIGNED - KRP  
DRAWN - CRH  
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DATE - 1/29/2021

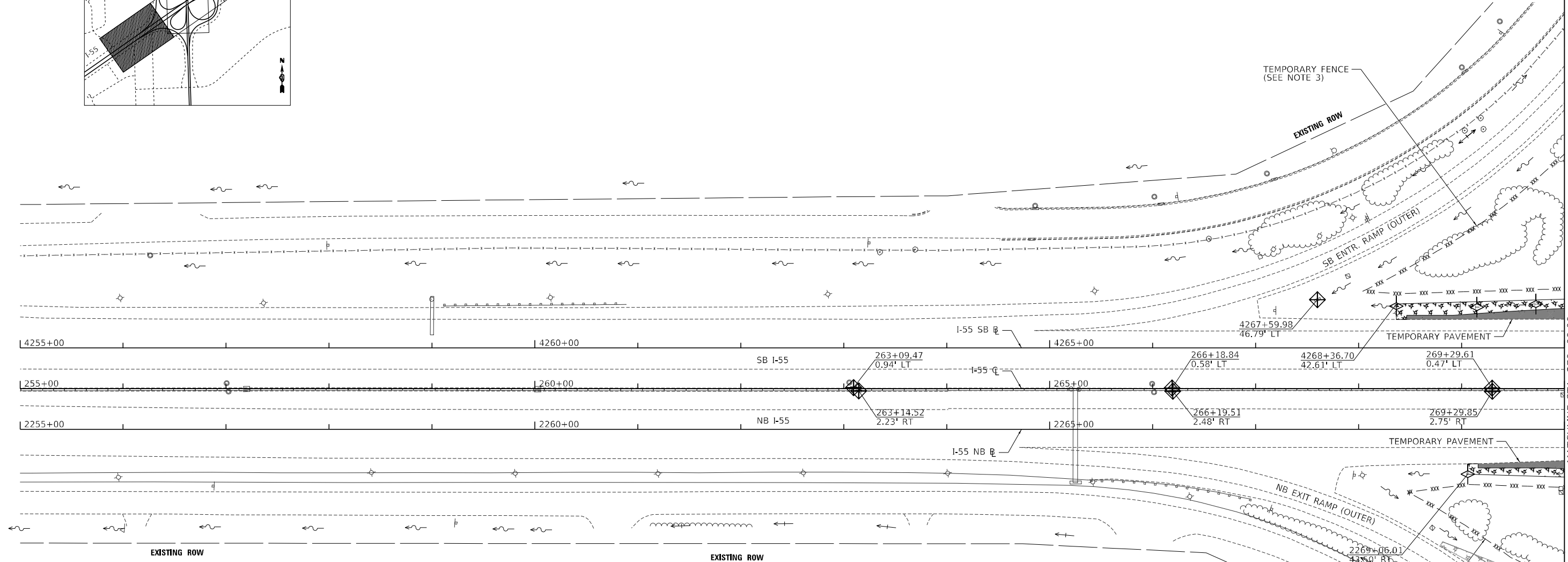
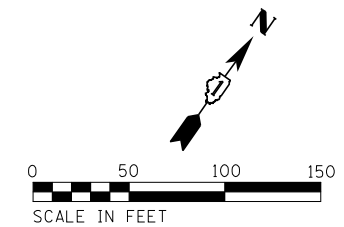
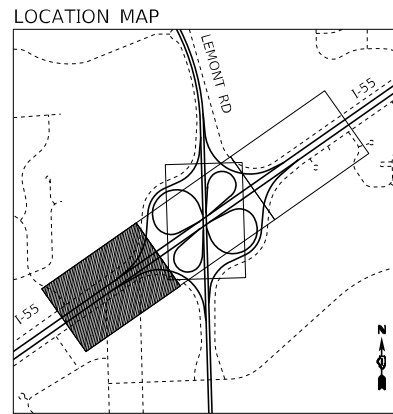
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD  
EROSION AND SEDIMENT CONTROL PLAN - TEMP RAMPS - PRESTAGE**

SCALE: 1"=50' SHEET 4 OF 8 SHEETS STA. 4289+00.00 TO STA. 4308+00.00

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	125
CONTRACT NO. 62G39				
ILLINOIS FED. AID PROJECT: NHP-PR24(873)				



**LEGEND**

	MULCH, METHOD 2; TEMP EROS CONTROL SEED
	TEMP HEAVY EROSION CONTROL BLANKET, TEMP EROS CONTROL SEED
	PERIMETER EROSION BARRIER
	INLET PROTECTION/FILTERS
	TEMPORARY DITCH CHECK
	TEMPORARY FENCE
	DITCH FLOWLINE

- NOTES**
1. INLET FILTERS TO BE USED IN ALL INLETS LOCATED IN PAVED AREAS.
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  3. LIMITS OF TEMP FENCE SHOWN ARE APPROXIMATE. ACTUAL LIMIT TO BE DETERMINED BY THE ENGINEER. INTENT IS TO PROTECT INFIELDS FROM INTRUSION BY THE CONTRACTOR.

MODEL: D:\62G39\62G39-ats-cs-0312\_01.dwg

**TYLIN INTERNATIONAL**  
 200 S. WACKER DR.  
 SUITE 1400  
 CHICAGO, IL 60606  
 TEL: 312-777-2900

USER NAME = mgormely	DESIGNED - KRP	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - CRH	REVISED -
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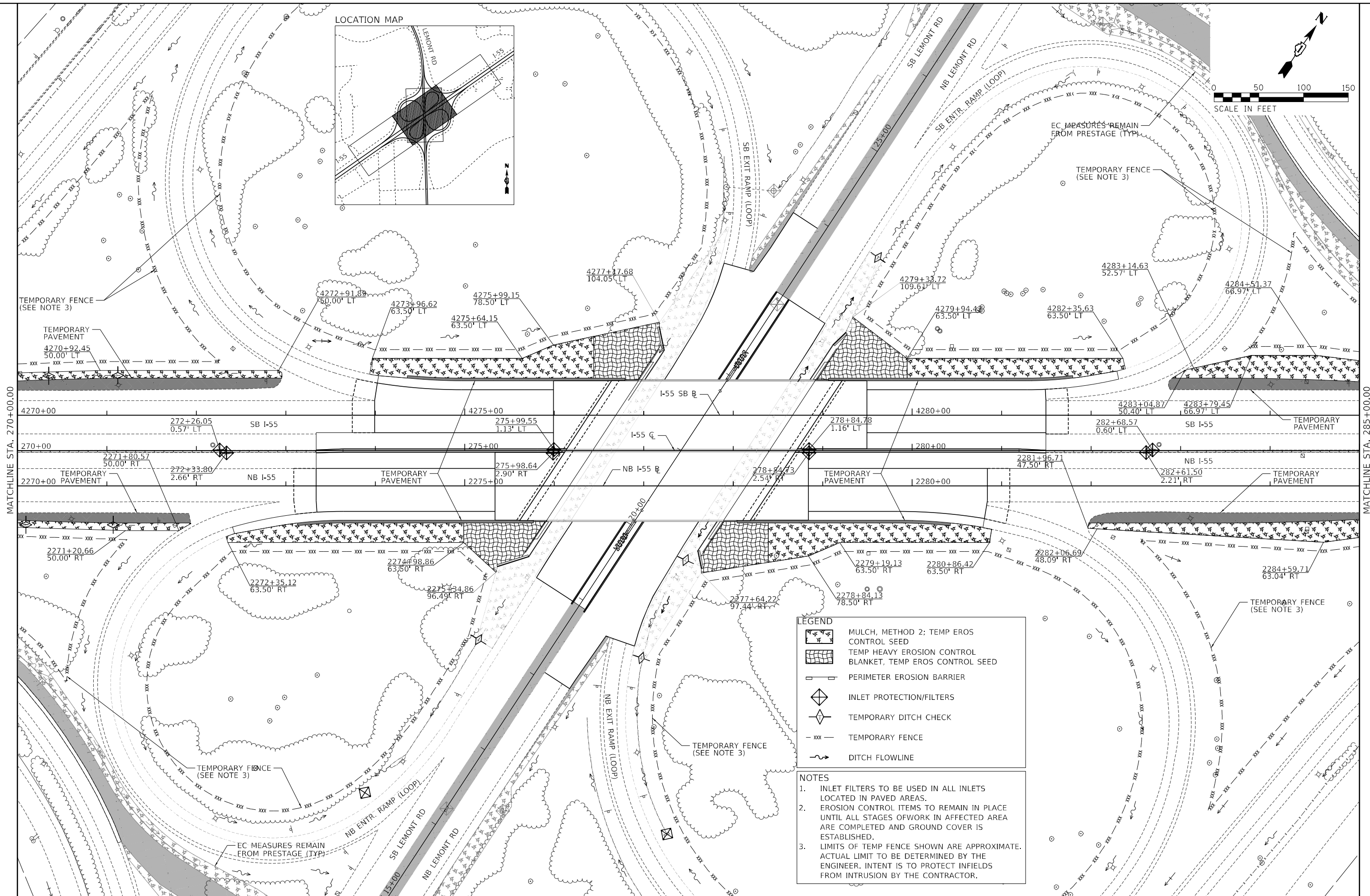
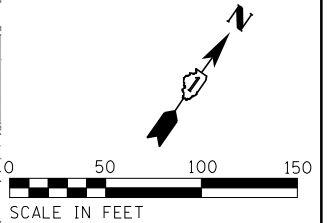
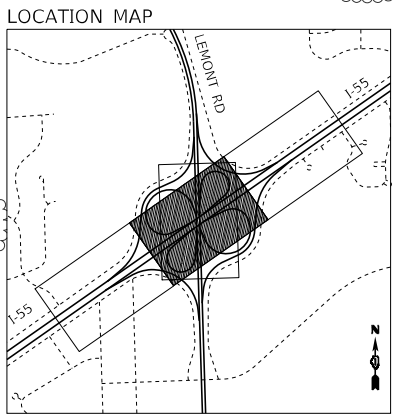
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD  
 EROSION AND SEDIMENT CONTROL PLAN - I-55 - STAGES 1-3**

SCALE: 1"=50'    SHEET 5 OF 8 SHEETS    STA. 255+00.00 TO STA. 270+00.00

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	126
CONTRACT NO. 62G39				
ILLINOIS FED. AID PROJECT: NHP-PR24(873)				

MATCHLINE STA. 270+00.00



**LEGEND**

- MULCH, METHOD 2; TEMP EROS CONTROL SEED
- TEMP HEAVY EROSION CONTROL BLANKET, TEMP EROS CONTROL SEED
- PERIMETER EROSION BARRIER
- INLET PROTECTION/FILTERS
- TEMPORARY DITCH CHECK
- TEMPORARY FENCE
- DITCH FLOWLINE

- NOTES**
1. INLET FILTERS TO BE USED IN ALL INLETS LOCATED IN PAVED AREAS.
  2. EROSION CONTROL ITEMS TO REMAIN IN PLACE UNTIL ALL STAGES OF WORK IN AFFECTED AREA ARE COMPLETED AND GROUND COVER IS ESTABLISHED.
  3. LIMITS OF TEMP FENCE SHOWN ARE APPROXIMATE. ACTUAL LIMIT TO BE DETERMINED BY THE ENGINEER. INTENT IS TO PROTECT INFIELDS FROM INTRUSION BY THE CONTRACTOR.

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**TYLIN INTERNATIONAL**  
 200 S. WACKER DR.  
 SUITE 1400  
 CHICAGO, IL 60606  
 TEL: 312-777-2900

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PLOT SCALE = 100,0000' / in.	DRAWN - CRH	REVISED -
PLOT DATE = 1/27/2021	CHECKED - MPG	REVISED -
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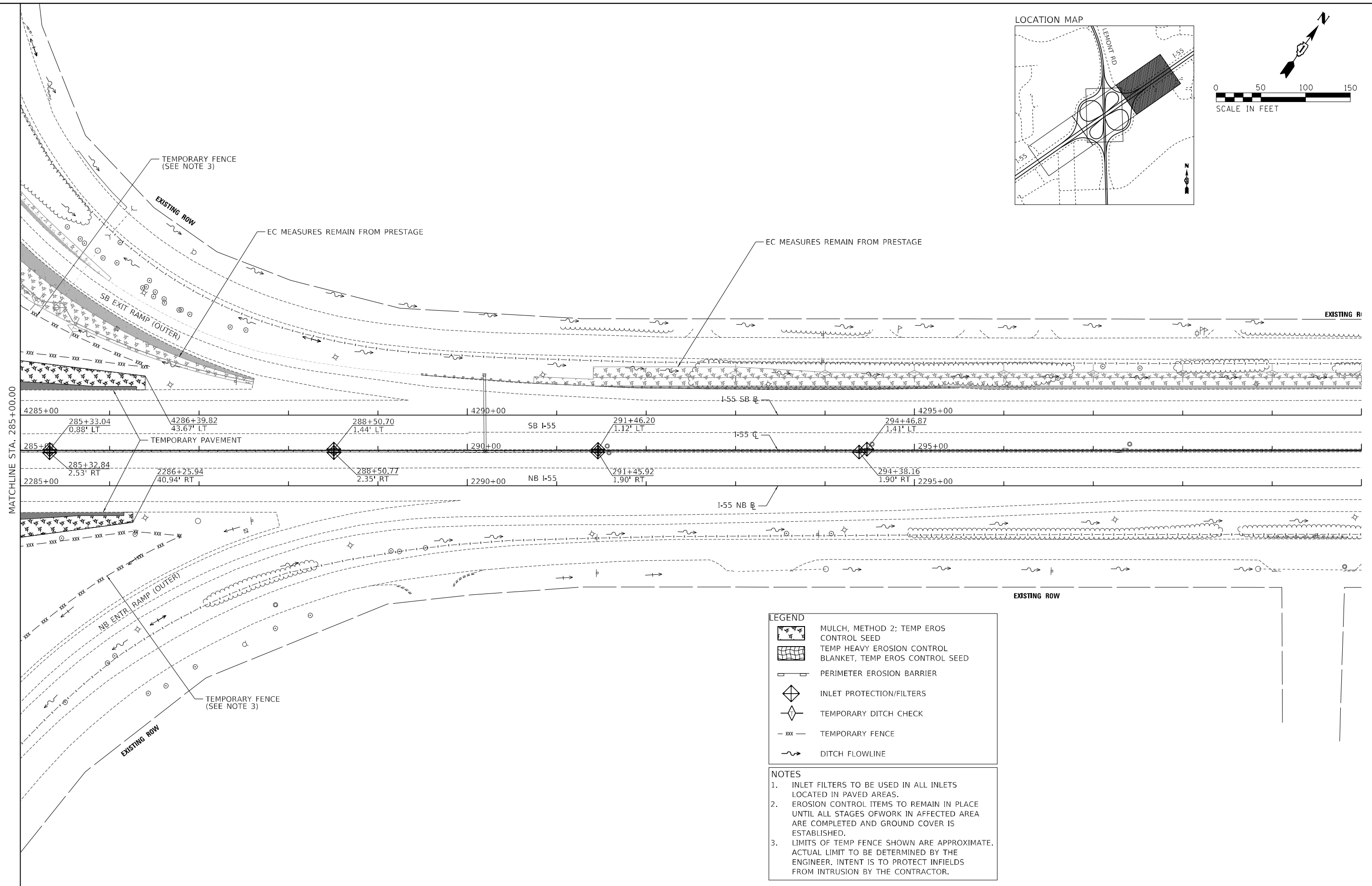
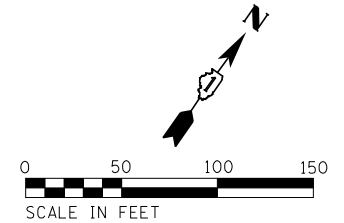
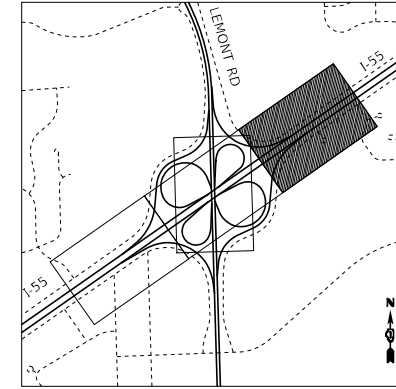
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD**  
**EROSION AND SEDIMENT CONTROL PLAN - I-55 - STAGES 1-3**

SCALE: 1"=50'    SHEET 6 OF 8 SHEETS    STA. 270+00.00 TO STA. 285+00.00

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	127
CONTRACT NO. 6239				
ILLINOIS FED. AID PROJECT: NHP-PR24(873)				

LOCATION MAP



**LEGEND**

	MULCH, METHOD 2; TEMP EROS CONTROL SEED
	TEMP HEAVY EROSION CONTROL BLANKET, TEMP EROS CONTROL SEED
	PERIMETER EROSION BARRIER
	INLET PROTECTION/FILTERS
	TEMPORARY DITCH CHECK
	TEMPORARY FENCE
	DITCH FLOWLINE

- NOTES**
1. INLET FILTERS TO BE USED IN ALL INLETS LOCATED IN PAVED AREAS.
  2. EROSION CONTROL ITEMS TO REMAIN IN PLACE UNTIL ALL STAGES OF WORK IN AFFECTED AREA ARE COMPLETED AND GROUND COVER IS ESTABLISHED.
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**TYLIN INTERNATIONAL**  
200 S. WACKER DR.  
SUITE 1400  
CHICAGO, IL 60606  
TEL: 312-777-2900

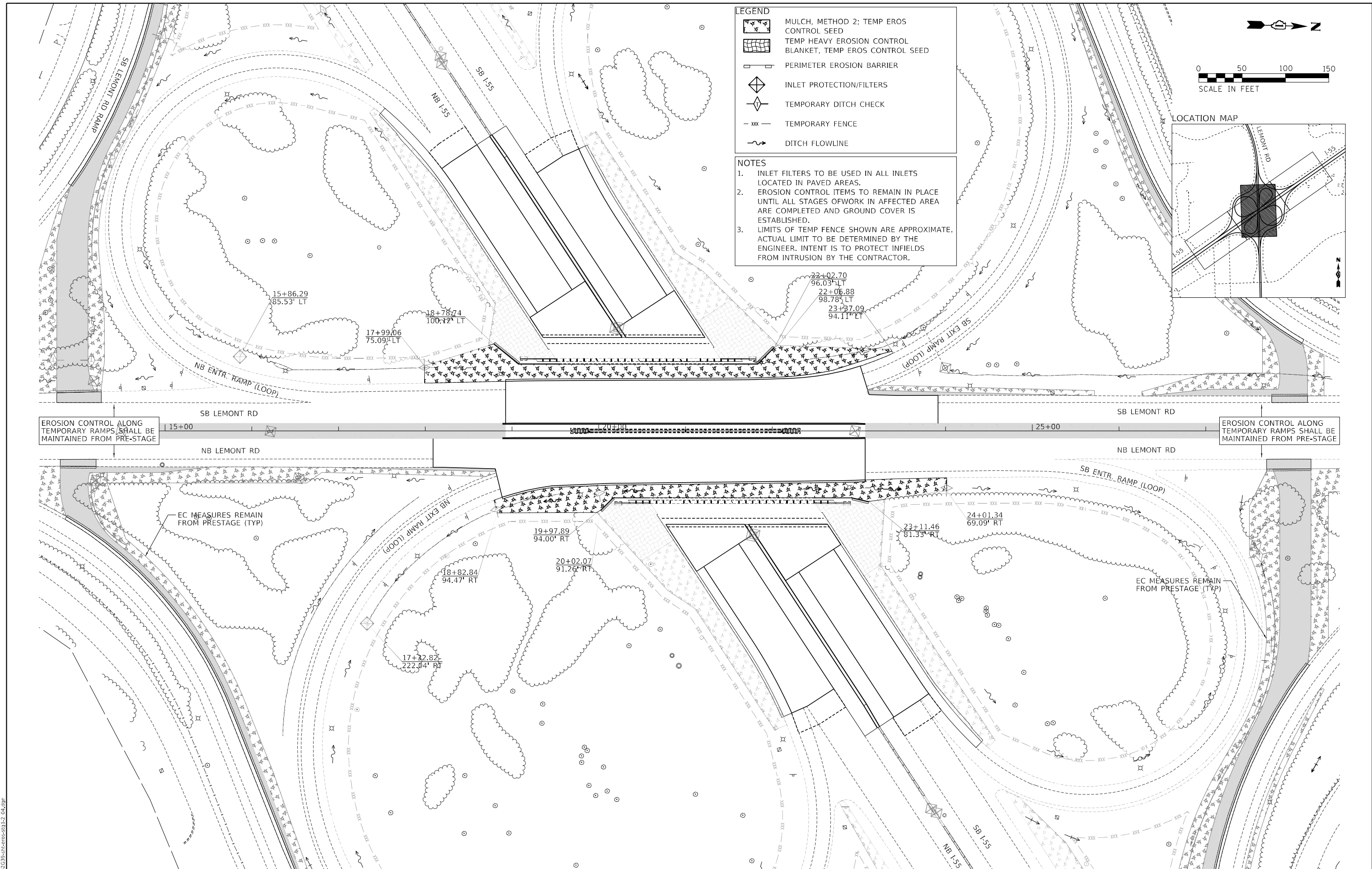
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	DATE - 1/29/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD  
EROSION AND SEDIMENT CONTROL PLAN - I-55 - STAGES 1-3**

SCALE: 1"=50'    SHEET 7 OF 8 SHEETS    STA. 285+00.00 TO STA. 300+00.00

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	128
			CONTRACT NO. 62G39	
ILLINOIS FED. AID PROJECT: NHP-PR24(873)				

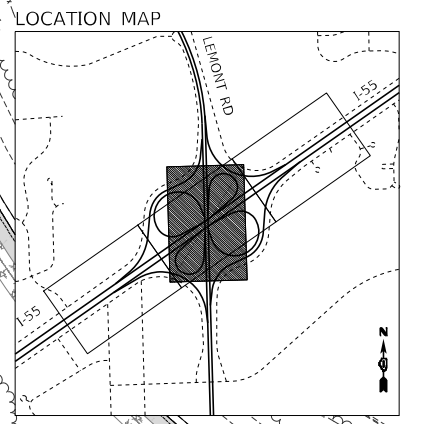
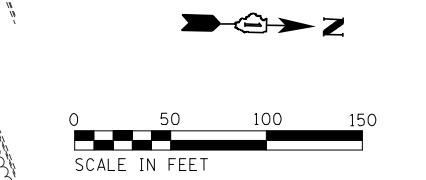


**LEGEND**

- MULCH, METHOD 2; TEMP EROS CONTROL SEED
- TEMP HEAVY EROSION CONTROL BLANKET, TEMP EROS CONTROL SEED
- PERIMETER EROSION BARRIER
- INLET PROTECTION/FILTERS
- TEMPORARY DITCH CHECK
- TEMPORARY FENCE
- DITCH FLOWLINE

**NOTES**

1. INLET FILTERS TO BE USED IN ALL INLETS LOCATED IN PAVED AREAS.
2. EROSION CONTROL ITEMS TO REMAIN IN PLACE UNTIL ALL STAGES OF WORK IN AFFECTED AREA ARE COMPLETED AND GROUND COVER IS ESTABLISHED.
3. LIMITS OF TEMP FENCE SHOWN ARE APPROXIMATE. ACTUAL LIMIT TO BE DETERMINED BY THE ENGINEER. INTENT IS TO PROTECT INFIELDS FROM INTRUSION BY THE CONTRACTOR.



EROSION CONTROL ALONG TEMPORARY RAMPS SHALL BE MAINTAINED FROM PRE-STAGE

EROSION CONTROL ALONG TEMPORARY RAMPS SHALL BE MAINTAINED FROM PRE-STAGE

EC MEASURES REMAIN FROM PRESTAGE (TYP)

EC MEASURES REMAIN FROM PRESTAGE (TYP)

MODEL: Default  
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**TYLIN INTERNATIONAL**  
200 S. WACKER DR.  
SUITE 1400  
CHICAGO, IL 60606  
TEL: 312-777-2900

USER NAME = mgormely	DESIGNED - KRP	REVISED -
	DRAWN - CRH	REVISED -
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PLOT DATE = 1/27/2021	DATE - 1/29/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD  
EROSION AND SEDIMENT CONTROL PLAN - LEMONT RD - STAGES 1-3**

SCALE: 1"=50'    SHEET 8 OF 8 SHEETS    STA. 10+00.00 TO STA. 32+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	129
CONTRACT NO. 62G39			ILLINOIS FED. AID PROJECT: NHP-PR24(873)	

PROPOSED LANDSCAPING QUANTITIES

DESCRIPTION	LOCATION				TREE PRUN 1-10 (EACH) (20101300)	TREE PRUN OVER 10 (EACH) (20101350)	AGGREGATE SHLDS B 6 (SQ YD) (48101500)	GEOTECH FAB F/GR STAB (SQ YD) (21001000)	TOPSOIL F & P 4 (SQ YD) (21101615)	SEEDING CL 2A (ACRE) (25000210)	SEEDING CL 4A (ACRE) (25000312)	EROSION CONTR BLANKET (SQ YD) (25100630)
	FROM		TO									
	STATION	OFFSET	STATION	OFFSET								
I-55 NB OUTSIDE	269+06.0	RT	271+93.8	RT								530
I-55 NB OUTSIDE	272+33.2	RT	274+98.9	RT								566
I-55 NB OUTSIDE	274+98.9	RT	275+89.5	RT							0.08	350
I-55 NB OUTSIDE	277+64.0	RT	278+39.3	RT							0.08	371
I-55 NB OUTSIDE	278+44.2	RT	280+88.9	RT						0.15		709
I-55 NB OUTSIDE	281+96.6	RT	286+25.9	RT						0.24		1,150
I-55 SB OUTSIDE	268+36.7	LT	272+95.7	LT						0.21		996
I-55 SB OUTSIDE	273+93.8	LT	276+44.0	LT						0.15		725
I-55 SB OUTSIDE	276+44.0	LT	277+19.3	LT							0.09	407
I-55 SB OUTSIDE	278+93.8	LT	279+94.4	LT							0.10	445
I-55 SB OUTSIDE	279+94.4	LT	282+38.4	LT						0.12		547
I-55 SB OUTSIDE	282+86.3	LT	286+39.8	LT						0.24		1,162
I-55 SB AUX LANE	290+74.3	LT	305+76.7	LT						0.63		3,009
TEMP SB EXIT RAMP RT	1503+57.7	RT	1507+00.2	RT						0.07		333
TEMP SB EXIT RAMP	1501+59.6	LT	1508+67.7	-						0.44		2,093
TEMP SB EXIT RAMP	1506+93.0	-	1509+16.8	-							0.30	1,417
TEMP SB ENTR RAMP	1510+53.1	-	1517+67.1	LT						0.26		1,249
TEMP NB EXIT RAMP	2503+22.5	LT	2508+25.1	-						0.26		1,217
TEMP NB EXIT RAMP	2506+88.8	-	2509+12.1	-							0.28	1,353
TEMP NB ENTR RAMP	2510+37.1	-	2517+52.1	LT						0.30		1,440
LEMONT RD MEDIAN	13+88.8	-	18+92.7	-						0.18		831
LEMONT RD MEDIAN	23+07.3	-	28+07.7	-						0.17		814
LEMONT RD NB OUT	13+19.7	RT	18+81.8	RT						0.19		904
LEMONT RD NB OUT	18+79.2	RT	20+16.4	RT						0.08		384
LEMONT RD NB OUT	20+16.4	RT	22+92.5	RT			494	494				
LEMONT RD NB OUT	22+92.5	RT	24+01.3	RT						0.06		245
LEMONT RD NB OUT	27+58.7	RT	30+09.5	RT						0.15		717
LEMONT RD SB OUT	11+30.0	LT	14+28.3	LT						0.15		713
LEMONT RD SB OUT	17+99.1	LT	19+07.4	LT						0.08		377
LEMONT RD SB OUT	19+07.4	LT	21+83.6	LT			510	510				
LEMONT RD SB OUT	21+83.6	LT	23+38.2	LT						0.09		407
LEMONT RD SB OUT	23+10.3	LT	25+71.9	LT						0.06		249
LEMONT RD SB OUT	26+26.4	LT	28+36.5	LT						0.11		515
NOMINAL QUANTITY*					30	20			1,000			
TOTAL					30	20	1,004	1,004	1,000	4.62	0.93	26,225
ROUNDED TOTAL					N/A	N/A	N/A	N/A	N/A	4.75	1.00	N/A

\* NOMINAL QUANTITY OF TREE PRUNING TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

\* NOMINAL QUANTITY OF "TOPSOIL, FURNISH AND PLACE 4" TO BE USED AS DIRECTED BY THE ENGINEER IN RESTORED AREAS OUTSIDE OF THE GRADING LIMITS.

KEY	CODE NO.	DESCRIPTION	UNIT	KEY DATES
XXXX	20100500	TREE REMOVAL, ACRES +	ACRE	-
XXXX	25000210	SEEDING, CLASS 2A	ACRE	AUG 1 - NOV 1
XXXX	25000312	SEEDING, CLASS 4A	ACRE	OCT 15 - DEC 1, MAY 15 - JUNE 30

NOTES:

- 4" OF EXISTING TOPSOIL IS CALCULATED TO BE STRIPPED FROM ALL EXISTING AREAS IMPACTED BY EARTH EXCAVATION OR EMBANKMENT ACTIVITIES. IT IS QUANTIFIED AND PAID FOR AS "TOPSOIL EXCAVATION AND PLACEMENT" (SEE THE EARTHWORK SCHEDULE).
- IN THE AREAS IDENTIFIED TO BE SEEDED, THE STOCKPILED TOPSOIL WILL BE PLACED IN THE REGRADED AREAS PRIOR TO SEEDING. THE AREAS TO BE SEEDED THAT THAT EXTEND BEYOND THE GRADING LIMITS WILL NOT RECEIVE TOPSOIL UNLESS DIRECTED BY THE ENGINEER. IF SO DIRECTED, THE ADDITIONAL TOPSOIL PLACEMENT SHALL BE PAID FOR AS "TOPSOIL, FURNISH AND PLACE 4", A NOMINAL QUANTITY OF WHICH HAS BEEN INCLUDED IN THE CONTRACT.

MODEL: D:\p06\11  
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**TYLIN INTERNATIONAL**  
200 S. WACKER DR.  
SUITE 1400  
CHICAGO, IL 60606  
TEL: 312-777-2900

USER NAME = mgormely  
PLOT SCALE = 2,0000' / in.  
PLOT DATE = 1/27/2021

DESIGNED - KRP  
DRAWN - CBH  
CHECKED - MPG  
DATE - 1/29/2021

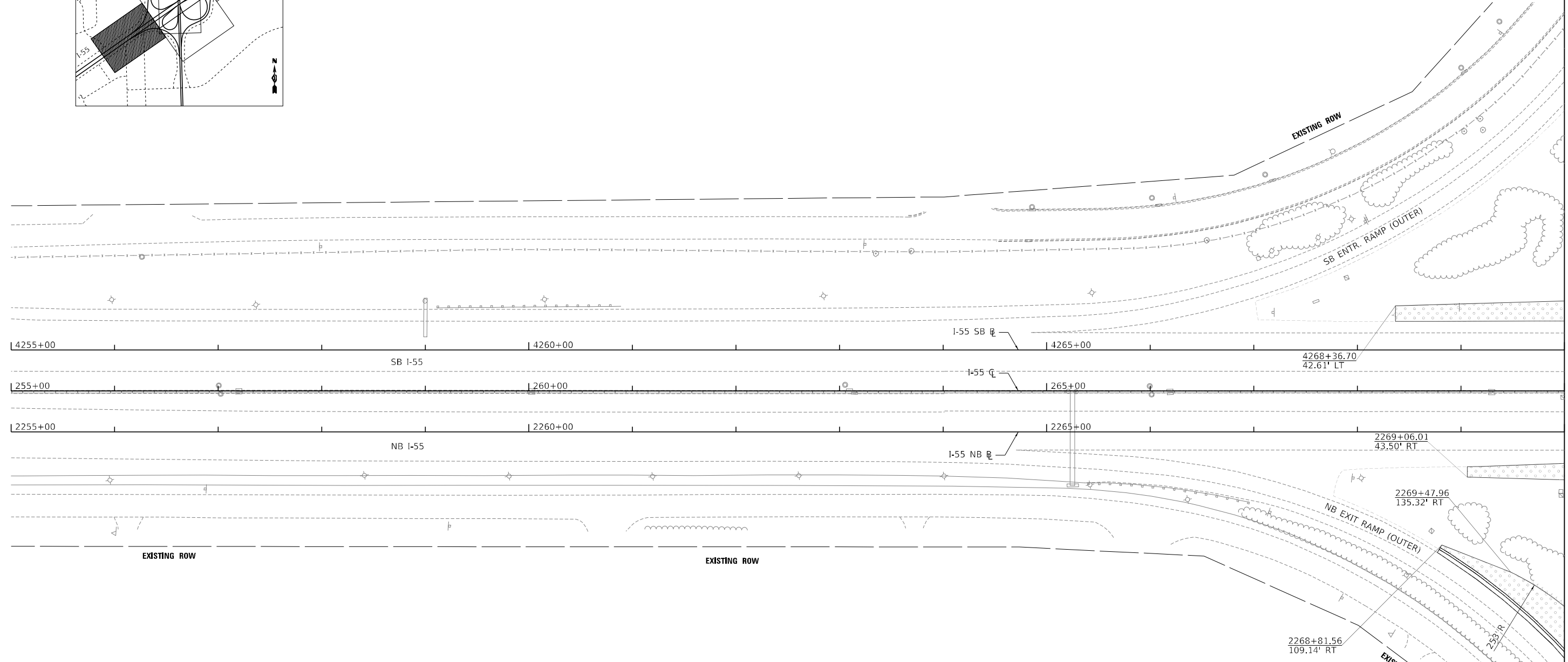
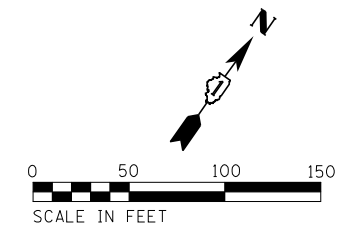
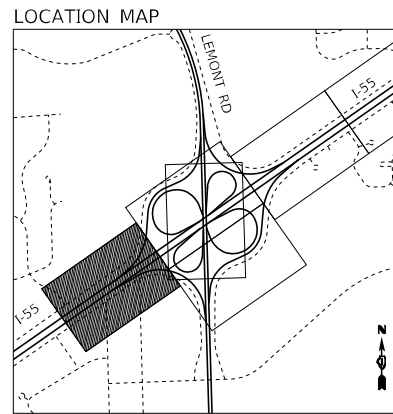
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD  
LANDSCAPE SCHEDULE**

SCALE: NONE SHEET 1 OF 7 SHEETS STA. N/A TO STA. N/A

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	130
CONTRACT NO. 62G39			ILLINOIS FED. AID PROJECT: NHP-PRZ4(873)	



**LEGEND**

	SEEDING, CLASS 2A; 4" TOPSOIL (ONLY PLACED WITHIN LIMITS OF PROPOSED GRADING); FERTILIZER NUTRIENTS; EROSION CONTROL BLANKET
	SEEDING, CLASS 4A; 4" TOPSOIL (ONLY PLACED WITHIN LIMITS OF PROPOSED GRADING); FERTILIZER NUTRIENTS; EROSION CONTROL BLANKET
	AGGREGATE SHOULDERS, TYPE B 6"; GEOTECHNICAL FABRIC

MATCHLINE STA. 270+00.00

MODEL: D:\62G39\62G39-01.dgn  
FILE NAME: D:\62G39\62G39-01.dgn

**TYLIN INTERNATIONAL**  
200 S. WACKER DR.  
SUITE 1400  
CHICAGO, IL 60606  
TEL: 312-777-2900

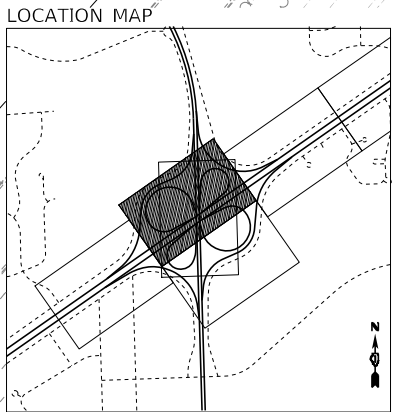
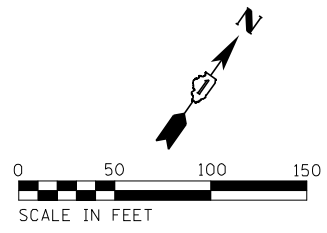
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PLOT SCALE = 100,0000' / in.	DRAWN - CRH	REVISED -
PLOT DATE = 1/27/2021	CHECKED - MPG	REVISED -
	DATE - 1/29/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD  
LANDSCAPE PLAN - I-55**

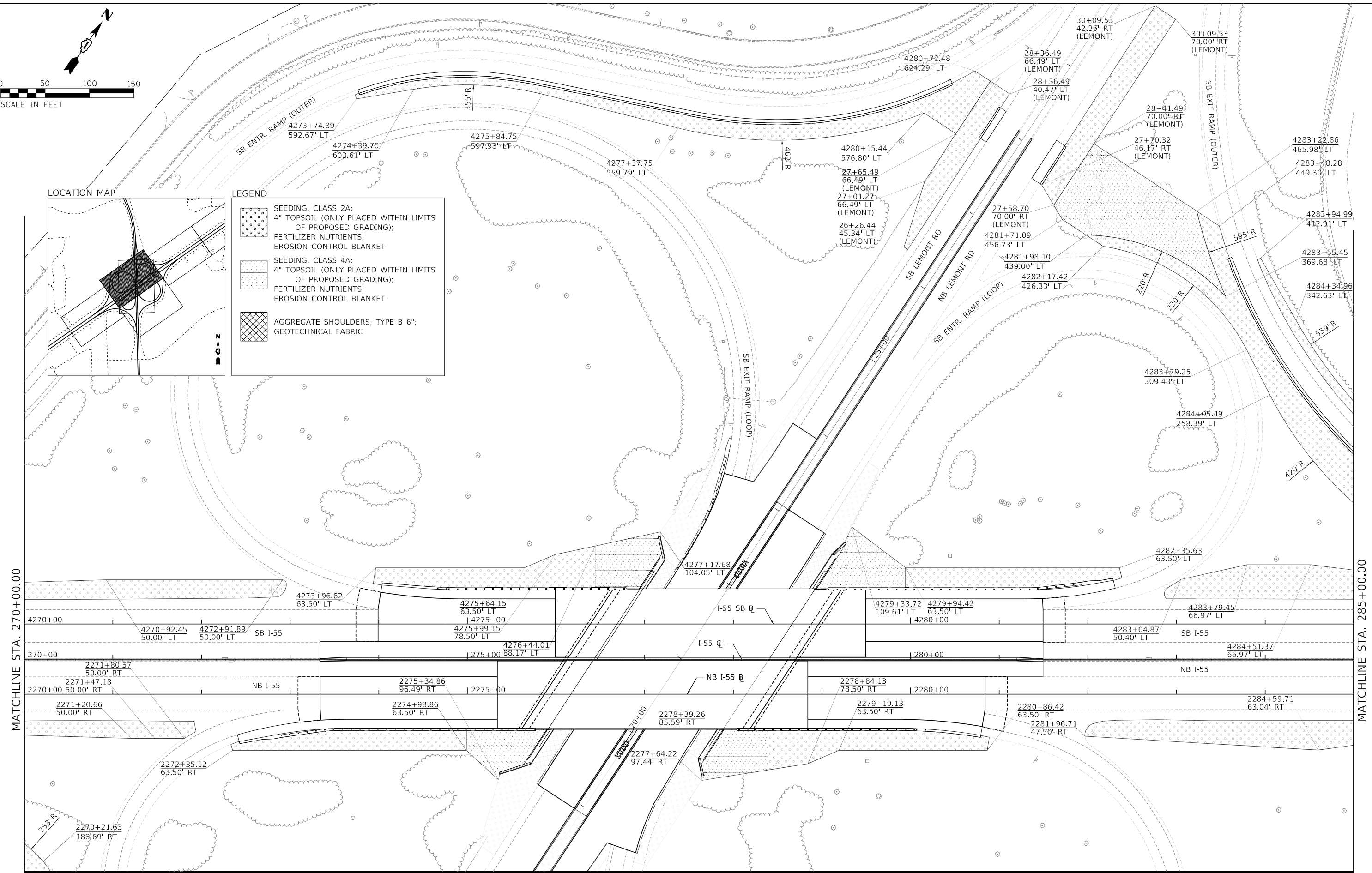
SCALE: 1"=50' SHEET 2 OF 7 SHEETS STA. 255+00.00 TO STA. 270+00.00

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	131
CONTRACT NO. 62G39			ILLINOIS FED. AID PROJECT: NHP-PR24(873)	



**LEGEND**

	SEEDING, CLASS 2A; 4" TOPSOIL (ONLY PLACED WITHIN LIMITS OF PROPOSED GRADING); FERTILIZER NUTRIENTS; EROSION CONTROL BLANKET
	SEEDING, CLASS 4A; 4" TOPSOIL (ONLY PLACED WITHIN LIMITS OF PROPOSED GRADING); FERTILIZER NUTRIENTS; EROSION CONTROL BLANKET
	AGGREGATE SHOULDERS, TYPE B 6"; GEOTECHNICAL FABRIC



MATCHLINE STA. 270+00.00

MATCHLINE STA. 285+00.00

MATCHLINE - NEXT SHEET

MODEL: D:\p06\11\110503\110503.dwg  
FILE NAME: D:\p06\11\110503\110503.dwg

**TYLIN INTERNATIONAL**  
200 S. WACKER DR.  
SUITE 1400  
CHICAGO, IL 60606  
TEL: 312-777-2900

USER NAME = mgormely	DESIGNED - KRP	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - CRH	REVISED -
PLOT DATE = 1/27/2021	CHECKED - MPG	REVISED -
	DATE - 1/29/2021	REVISED -

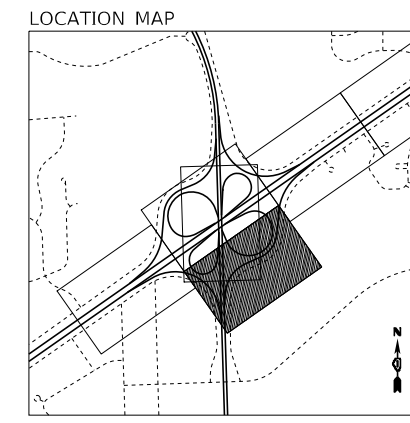
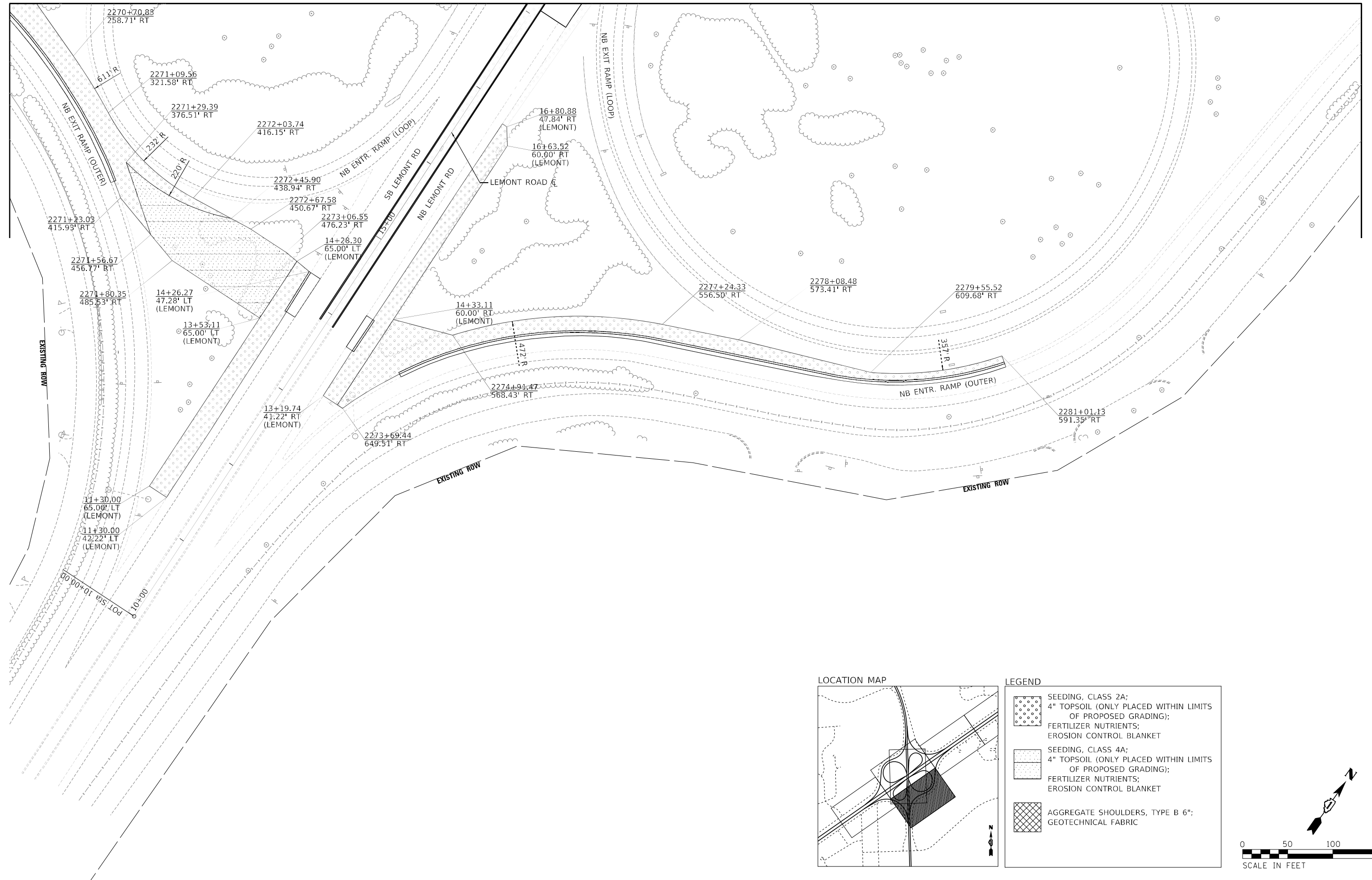
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD  
LANDSCAPE PLAN - I-55**

SCALE: 1"=50'    SHEET 3 OF 7 SHEETS    STA. 270+00.00 TO STA. 285+00.00

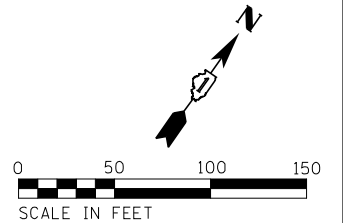
F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	132
CONTRACT NO. 62G39				
ILLINOIS FED. AID PROJECT: NHPP-PR24(873)				





**LEGEND**

	SEEDING, CLASS 2A; 4" TOPSOIL (ONLY PLACED WITHIN LIMITS OF PROPOSED GRADING); FERTILIZER NUTRIENTS; EROSION CONTROL BLANKET
	SEEDING, CLASS 4A; 4" TOPSOIL (ONLY PLACED WITHIN LIMITS OF PROPOSED GRADING); FERTILIZER NUTRIENTS; EROSION CONTROL BLANKET
	AGGREGATE SHOULDERS, TYPE B 6"; GEOTECHNICAL FABRIC



MODEL: D:\62G39-arch\62g39\_03.dwg  
FILE NAME: D:\62G39-arch\62g39\_03.dwg

**TYLIN INTERNATIONAL**  
200 S. WACKER DR.  
SUITE 1400  
CHICAGO, IL 60606  
TEL: 312-777-2900

USER NAME = mgormely	DESIGNED - KRP	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - CRH	REVISED -
PLOT DATE = 1/27/2021	CHECKED - MPG	REVISED -
	DATE - 1/29/2021	REVISED -

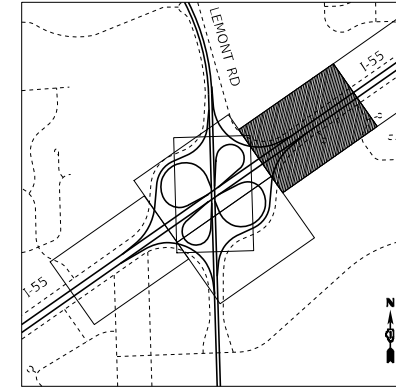
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD  
LANDSCAPE PLAN - I-55**

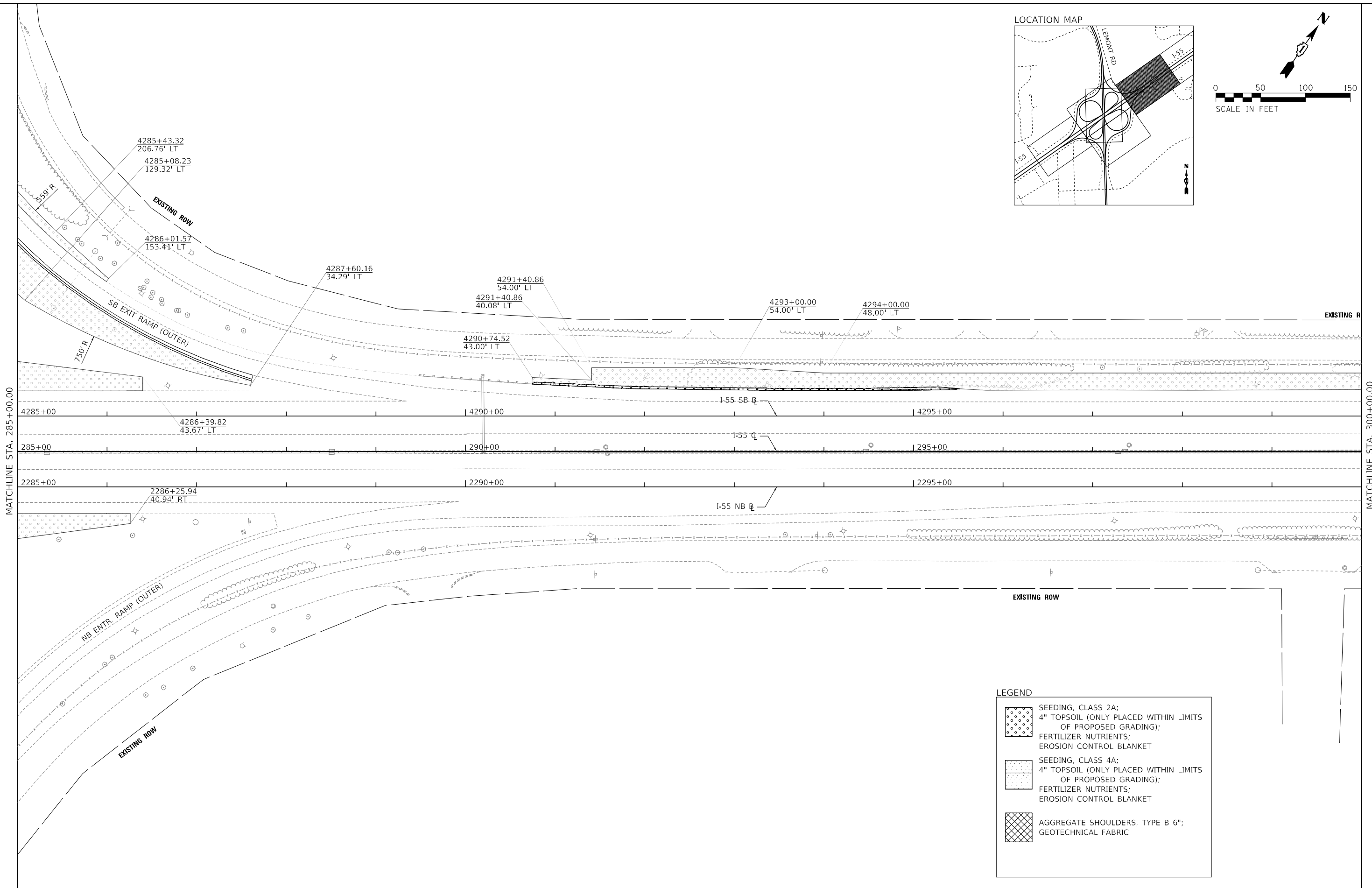
SCALE: 1"=50'    SHEET 4 OF 7 SHEETS    STA. 270+00.00 TO STA. 285+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	133
CONTRACT NO. 62G39				
ILLINOIS FED. AID PROJECT: NHP-PR24(873)				

LOCATION MAP



0 50 100 150  
SCALE IN FEET



**LEGEND**

	SEEDING, CLASS 2A; 4" TOPSOIL (ONLY PLACED WITHIN LIMITS OF PROPOSED GRADING); FERTILIZER NUTRIENTS; EROSION CONTROL BLANKET
	SEEDING, CLASS 4A; 4" TOPSOIL (ONLY PLACED WITHIN LIMITS OF PROPOSED GRADING); FERTILIZER NUTRIENTS; EROSION CONTROL BLANKET
	AGGREGATE SHOULDERS, TYPE B 6"; GEOTECHNICAL FABRIC

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**TYLIN INTERNATIONAL**  
200 S. WACKER DR.  
SUITE 1400  
CHICAGO, IL 60606  
TEL: 312-777-2900

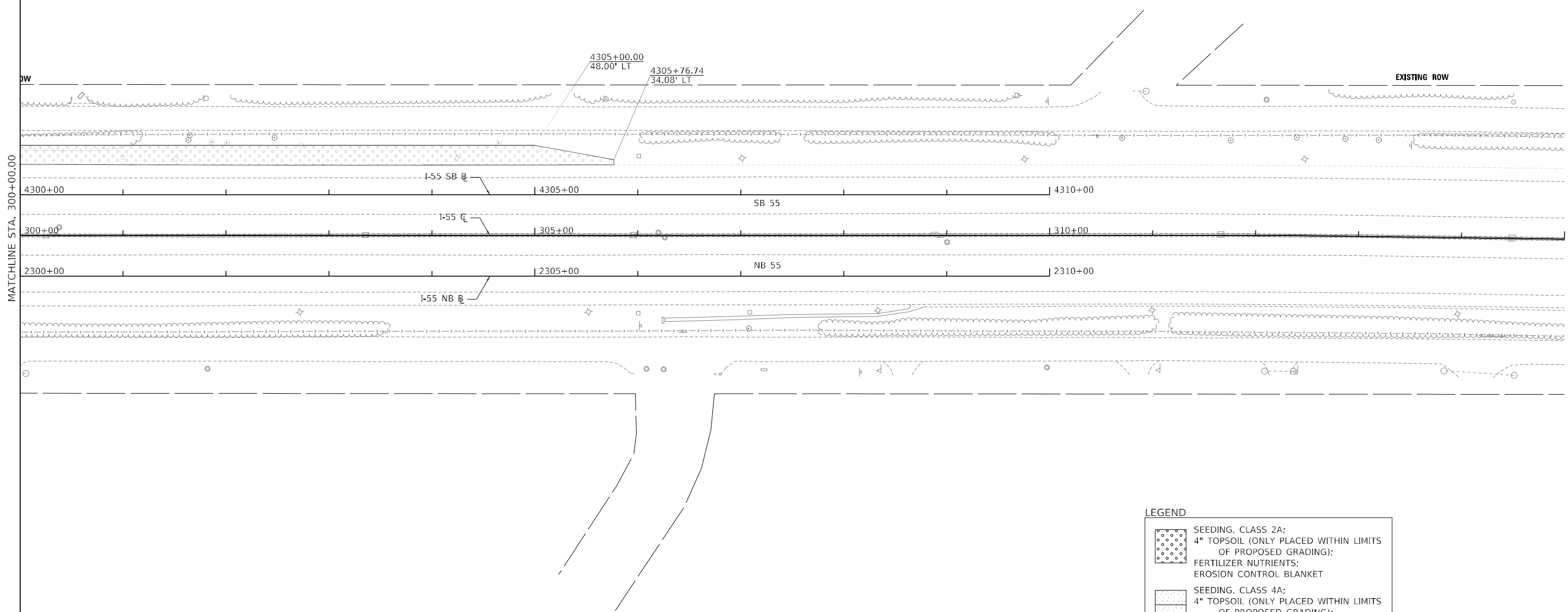
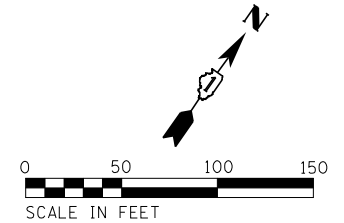
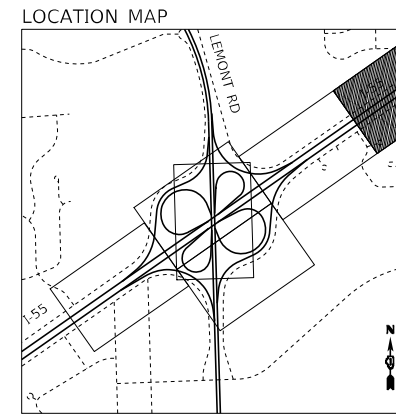
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PLOT SCALE = 100,0000' / in.	DRAWN - CRH	REVISED -
PLOT DATE = 1/27/2021	CHECKED - MPG	REVISED -
	DATE - 1/29/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD  
LANDSCAPE PLAN - I-55**

SCALE: 1"=50' SHEET 5 OF 7 SHEETS STA. 285+00.00 TO STA. 300+00.00

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	134
CONTRACT NO. 62G39			ILLINOIS FED. AID PROJECT: NHP-PR24(873)	



**LEGEND**

	SEEDING, CLASS 2A; 4" TOPSOIL (ONLY PLACED WITHIN LIMITS OF PROPOSED GRADING); FERTILIZER NUTRIENTS; EROSION CONTROL BLANKET
	SEEDING, CLASS 4A; 4" TOPSOIL (ONLY PLACED WITHIN LIMITS OF PROPOSED GRADING); FERTILIZER NUTRIENTS; EROSION CONTROL BLANKET
	AGGREGATE SHOULDERS, TYPE B 6"; GEOTECHNICAL FABRIC

MODEL: D:\p05\11  
FILE NAME: D:\62G39-rtch\lscpl\_05.dwg

**TYLIN INTERNATIONAL**  
200 S. WACKER DR.  
SUITE 1400  
CHICAGO, IL 60606  
TEL: 312-777-2900

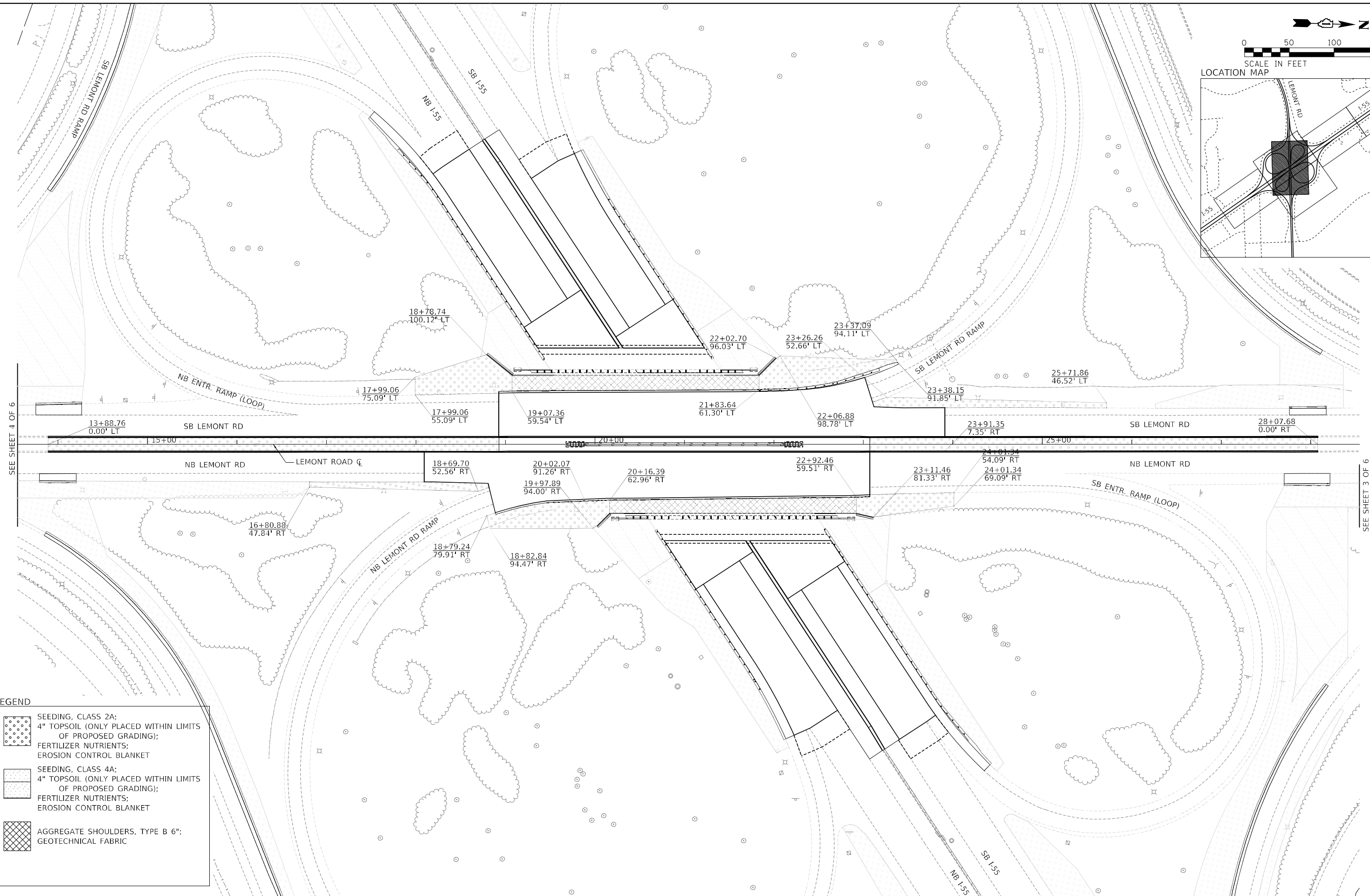
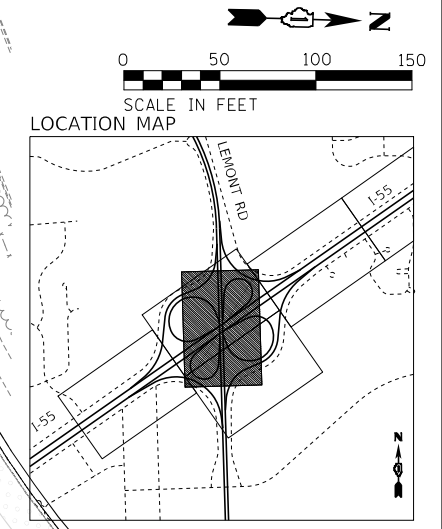
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PLOT SCALE = 100,0000' / in.	DRAWN - CRH	REVISED -
PLOT DATE = 1/27/2021	CHECKED - MPG	REVISED -
	DATE - 1/29/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD  
LANDSCAPE PLAN - I-55**

SCALE: 1"=50'    SHEET 6 OF 7 SHEETS    STA. 300+00.00 TO STA. 315+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	135
CONTRACT NO. 62G39				
ILLINOIS FED. AID PROJECT: NHP-PR24(873)				



**LEGEND**

	SEEDING, CLASS 2A; 4" TOPSOIL (ONLY PLACED WITHIN LIMITS OF PROPOSED GRADING); FERTILIZER NUTRIENTS; EROSION CONTROL BLANKET
	SEEDING, CLASS 4A; 4" TOPSOIL (ONLY PLACED WITHIN LIMITS OF PROPOSED GRADING); FERTILIZER NUTRIENTS; EROSION CONTROL BLANKET
	AGGREGATE SHOULDERS, TYPE B 6"; GEOTECHNICAL FABRIC

MODEL: Default  
FILE NAME: D:\62G39-arch\62g39\_06.dwg

**TYLIN INTERNATIONAL**  
200 S. WACKER DR.  
SUITE 1400  
CHICAGO, IL 60606  
TEL: 312-777-2900

USER NAME = mgormely	DESIGNED - KRP	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - CRH	REVISED -
PLOT DATE = 1/27/2021	CHECKED - MPG	REVISED -
	DATE - 1/29/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD  
LANDSCAPE PLAN - LEMONT RD**

SCALE: 1"=50'    SHEET 7 OF 7 SHEETS    STA. 10+00.00 TO STA. 32+00.00

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	136
			CONTRACT NO. 62G39	
ILLINOIS FED. AID PROJECT: NHP-PR24(873)				

SEE SHEET 4 OF 6

SEE SHEET 3 OF 6

SIGN REMOVAL

SIGN DETAILS								REMOV SIN PAN ASSY TA (EACH) (72400100)	REMOV SIN PAN ASSY TB (EACH) (72400200)	REMOV SIGN PANEL T3 (SQ FT) (72400330)	REMOV OH SIN STR-CANT (EACH) (73600200)	REM GR MT SIN SUPPORT (EACH) (73700100)	REM CONC FDN-GR MT (EACH) (73700200)	REM CONC FDN-OVHD (EACH) (73700300)
I.D.	DESCRIPTION	ALIGNMENT	LOCATION		DIMENSIONS		SUPPORT TYPE							
			STATION	OFFSET	WIDTH (IN)	HEIGHT (IN)								
SGN-WP-15-R	W4-1 (MERGE)	I-55 NB	2271+56.0	39.6 RT	48	48	GROUND, WOOD		1					
SGN-SS-11-R	EXIT 271B NORTH LEMONT RD	I-55 NB	2279+99.9	45.0 RT	210	102	OH CANTILEVER				1			1
SGN-WP-16-R	W13-3 (RAMP 30 MPH)	I-55 NB	2281+41.7	74.3 RT	36	48	GROUND, WOOD		1					
SGN-WP-13-R	EXIT 271B	I-55 NB	2282+04.6	43.4 RT	114	60	GROUND, WOOD			48				
SGN-WP-18-R	W4-1 (MERGE)	I-55 SB	4284+89.3	36.5 LT	48	48	GROUND, WOOD		1					
SGN-SS-12-R	EXIT 271A SOUTH LEMONT RD	I-55-SB	4274+41.4	50.3 LT	210	102	OH CANTILEVER				1			1
SGN-WP-17-R	W13-3 (RAMP 30 MPH)	I-55 SB	4273+97.7	57.9 LT	36	48	GROUND, WOOD		1					
SGN-WP-14-R	EXIT 271A	I-55 SB	4272+79.9	39.1 LT	114	60	GROUND, WOOD			48				
SGN-BS-19-R	EXIT 268 SOUTH JOLIET RD 1 MILE	I-55 SB	4269+00.0	72.5 LT	240	144	GROUND, BA STL			240		2	2	
SGN-TS-20-R	OM3-L (OBJECT MARKER)	LEMONT ROAD	18+59.7	0.5 RT	12	36	GROUND, TS	1						
SGN-TS-21-R	OM3-L (OBJECT MARKER)	LEMONT ROAD	23+37.4	0.2 LT	12	36	GROUND, TS	1						
TOTAL								2	4	336	2	2	2	2

PROPOSED AND RELOCATED SIGNS

SIGN DETAILS								SUPPORT DETAILS				SIGN PANEL T2 (SQ FT) (72000200)	SIGN PANEL T3 (SQ FT) (72000300)	RELOC SIGN PANEL T3 (SQ FT) (72400730)	STR STL SIN SUP BA (POUND) (72700100)	WOOD SIN SUPPORT (FOOT) (73000100)	OSS CANT 2CA 3-0X5-6 (FOOT) (73302170)	CONC FOUNDATION (CU YD) (73400100)	DRILL SHAFT CONC FDN (CU YD) (73400200)	REINF BARS, EPOXY CTD (POUND) (50800205)
I.D.	DESCRIPTION	ALIGNMENT	LOCATION		DIMENSIONS		SHEETING TYPE	TYPE	NO. OF POSTS	LENGTH										
			STATION	OFFSET	WIDTH (IN)	HEIGHT (IN)														
SGN-WP-05-P	W4-1 (MERGE)	I-55 NB	2271+46.3	47.2 RT	48	48	AZ	GROUND, WOOD	1	16	16				16					
SGN-SS-01-P	EXIT 271B NORTH LEMONT RD	I-55 NB	2279+83.1	46.3 RT	210	102	ZZ	OH CANTILEVER	N/A	N/A		149				30		7.3		
SGN-WP-06-P	W13-3 (RAMP 30 MPH)	I-55 NB	2281+68.7	87.3 RT	36	48	AZ	GROUND, WOOD	1	15	12				15					
SGN-WP-03-P	EXIT 271B	I-55 NB	2282+01.6	46.8 RT	114	60	ZZ	GROUND, WOOD	2	22		48			44					
SGN-WP-08-P	W4-1 (MERGE)	I-55 SB	4283+35.7	46.6 LT	48	48	AZ	GROUND, WOOD	1	16	16				16					
SGN-SS-02-P	EXIT 271A SOUTH LEMONT RD	I-55 SB	4274+96.1	46.3 LT	210	102	ZZ	OH CANTILEVER	N/A	N/A		149				30		7.3		
SGN-WP-07-P	W13-3 (RAMP 30 MPH)	I-55 SB	4273+12.1	88.2 LT	36	48	AZ	GROUND, WOOD	1	15	12				15					
SGN-WP-04-P	EXIT 271A	I-55 SB	4272+80.6	46.8 LT	114	60	ZZ	GROUND, WOOD	2	22		48			44					
SGN-BS-09-P	EXIT 268 SOUTH JOLIET RD 1 MILE	I-55 SB	4269+00.0	83.1 LT	114	60	ZZ	GROUND, BA STL	2	23.3, 24.7		240		1,825			4.2		244	
SGN-WP-19-L	EXIT 268 SOUTH JOLIET RD 1 MILE	I-55 SB	4269+00.0	98.0 LT	240	144	ZZ	GROUND, WOOD	4	24			240		96					
TOTAL											56	634	240	1,825	246	60	4.2	14.6	244	

PAVEMENT MARKING NOTES

- I-55: THERMOPLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON HMA PAVEMENTS.
- I-55: MODIFIED URETHANE PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON PCC PAVEMENTS.
- I-55: PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, INLAID, SHALL BE USED FOR ALL LANE LINES ON HMA PAVEMENTS.
- I-55: CONTRAST PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON PCC PAVEMENT.
- I-55: NO RAISED REFLECTIVE PAVEMENT MARKERS ON BRIDGE DECK.
- LEMONT ROAD: ALL MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKING LINE.

MODEL: D:\64bit\TYLIN\BID\62G39-24\62G39-24\62G39-24\62G39-24.dwg

**TYLIN INTERNATIONAL**  
200 S. WACKER DR.  
SUITE 1400  
CHICAGO, IL 60606  
TEL: 312-777-2900

USER NAME = mgormely  
PLOT SCALE = 2,0000 ' / in.  
PLOT DATE = 1/27/2021

DESIGNED - MPG  
DRAWN - MPG  
CHECKED - KRP  
DATE - 1/29/2021

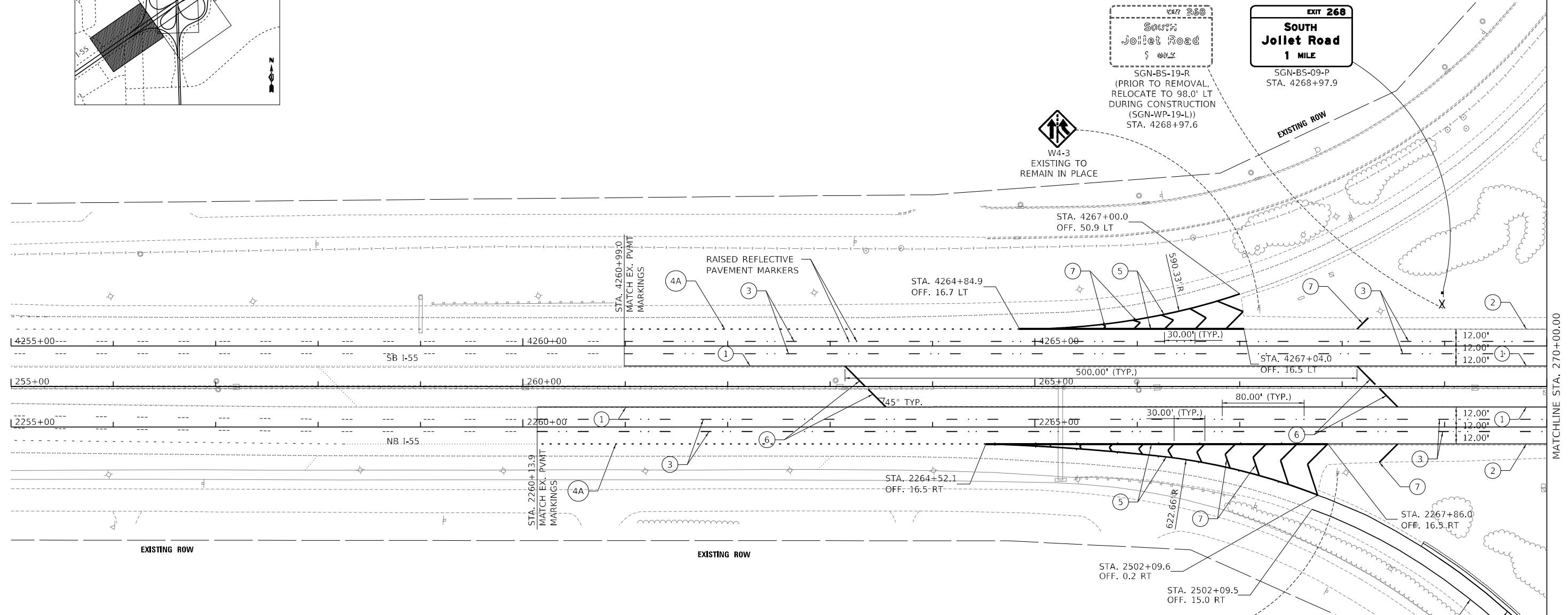
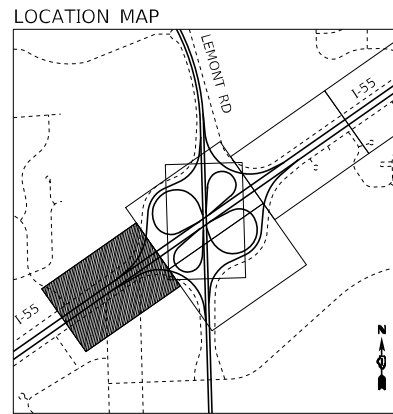
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD  
SIGNING SCHEDULES AND PAVEMENT MARKING NOTES**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	137
CONTRACT NO. 62G39				
ILLINOIS FED. AID PROJECT: NHP-PR24(873)				



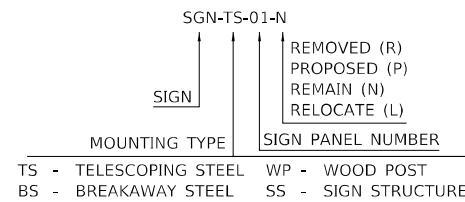
**PAVEMENT MARKING LEGEND**

- ① 4" YELLOW SOLID LINE
- ② 4" WHITE SOLID LINE
- ③ 5" (OR 8" CONTRAST) WHITE LANE LINE (30' SKIP, 10' DASH) WITH RRP
- ③A 4" WHITE LANE LINE (30' SKIP, 10' DASH) WITH RRP
- ④ 8" (OR 11" CONTRAST) WHITE DOTTED LINE (9' SKIP, 3' DASH) WITH RRP
- ④A 4" WHITE DOTTED LINE (6' SKIP, 2' DASH)
- ⑤ 8" WHITE SOLID LINE
- ⑥ 12" YELLOW SOLID LINE
- ⑦ 12" WHITE SOLID LINE

**PAVEMENT MARKING NOTES**

1. I-55: THERMOPLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON HMA PAVEMENTS.
2. I-55: MODIFIED URETHANE PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON PCC PAVEMENTS.
3. I-55: PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, INLAID, SHALL BE USED FOR ALL LANE LINES ON HMA PAVEMENTS.
4. I-55: CONTRAST PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON PCC PAVEMENT.
5. I-55: NO RAISED REFLECTIVE PAVEMENT MARKERS ON BRIDGE DECK.
6. LEMONT ROAD: ALL MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKING LINE.

**GUIDE SIGN SEQUENCE NUMBERING CODE**



<b>TYLIN INTERNATIONAL</b> 200 S. WACKER DR. SUITE 1400 CHICAGO, IL 60606 TEL: 312-777-2900	USER NAME = mgormely	DESIGNED - KRP	REVISED -
	PLOT SCALE = 100,000' / in.	DRAWN - KRP	REVISED -
	PLOT DATE = 1/27/2021	CHECKED - MPG	REVISED -
		DATE - 1/29/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

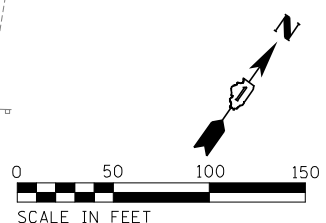
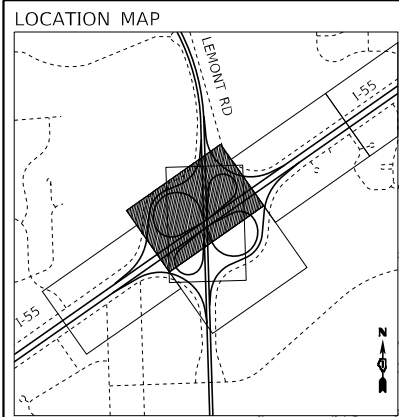
**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD  
PAVEMENT MARKING AND SIGNING PLAN - I-55**

SCALE: 1"=50' SHEET 1 OF 6 SHEETS STA. 255+00.00 TO STA. 270+00.00

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	138
CONTRACT NO. 62G39				

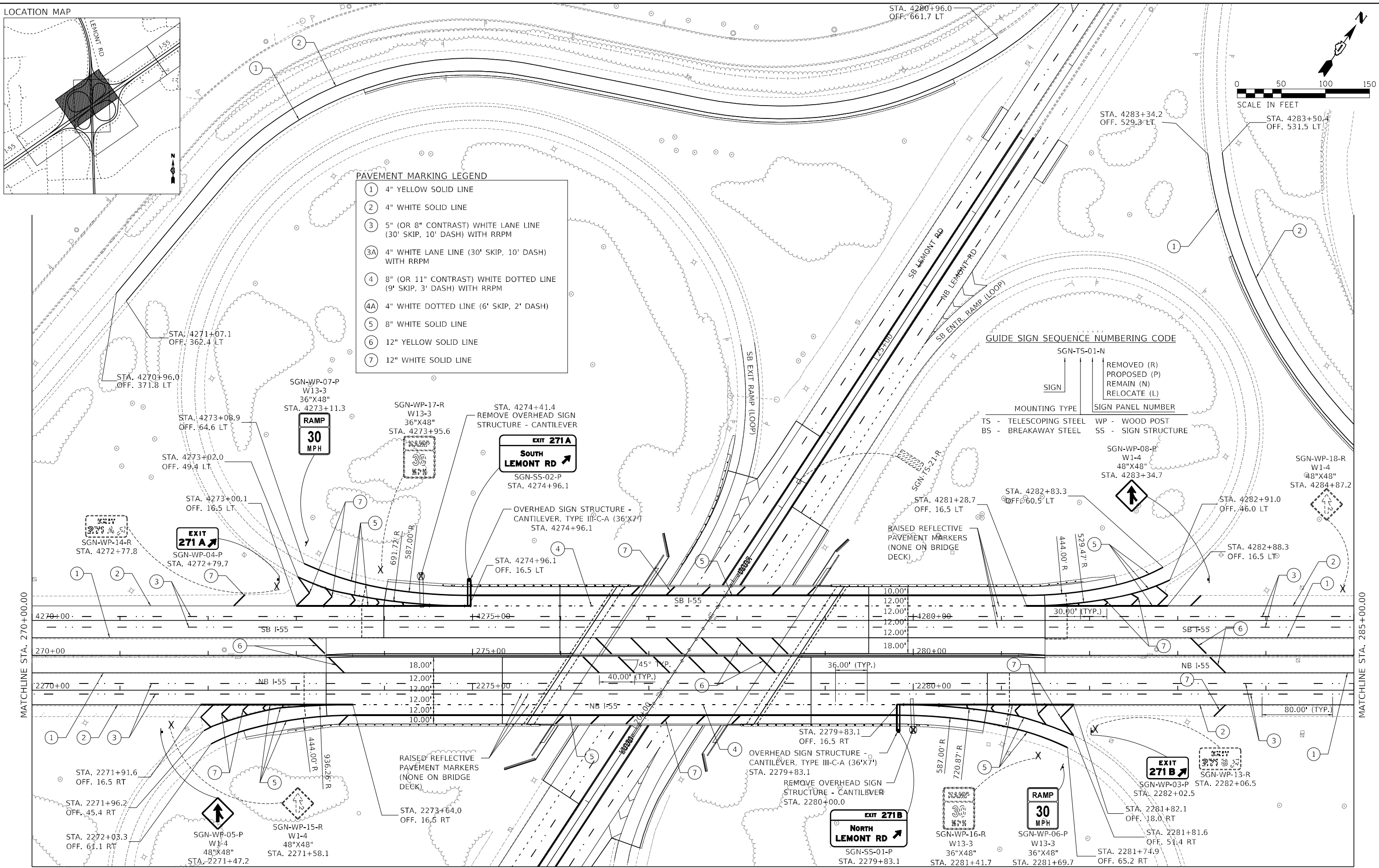
ILLINOIS FED. AID PROJECT: NHP-PR24(873)

MODEL: D:\62G39\62G39-01.dwg



- PAVEMENT MARKING LEGEND**
- ① 4" YELLOW SOLID LINE
  - ② 4" WHITE SOLID LINE
  - ③ 5" (OR 8" CONTRAST) WHITE LANE LINE (30' SKIP, 10' DASH) WITH RRP
  - ③A 4" WHITE LANE LINE (30' SKIP, 10' DASH) WITH RRP
  - ④ 8" (OR 11" CONTRAST) WHITE DOTTED LINE (9' SKIP, 3' DASH) WITH RRP
  - ④A 4" WHITE DOTTED LINE (6' SKIP, 2' DASH)
  - ⑤ 8" WHITE SOLID LINE
  - ⑥ 12" YELLOW SOLID LINE
  - ⑦ 12" WHITE SOLID LINE

- GUIDE SIGN SEQUENCE NUMBERING CODE**
- |             |              |
|-------------|--------------|
| SGN-TS-01-N | REMOVED (R)  |
| SGN-TS-01-N | PROPOSED (P) |
| SGN-TS-01-N | REMAIN (N)   |
| SGN-TS-01-N | RELOCATE (L) |
- MOUNTING TYPE**  
 TS - TELESCOPING STEEL  
 BS - BREAKAWAY STEEL
- SIGN PANEL NUMBER**  
 WP - WOOD POST  
 SS - SIGN STRUCTURE



MODEL: Default  
 FILE NAME: D:\62G39-rt\contk\_02.dwg

**TYLIN INTERNATIONAL**  
 200 S. WACKER DR.  
 SUITE 1400  
 CHICAGO, IL 60606  
 TEL: 312-777-2900

USER NAME = mgormely  
 PLOT SCALE = 100,0000' / in.  
 PLOT DATE = 1/27/2021

DESIGNED - KRP  
 DRAWN - KRP  
 CHECKED - MPG  
 DATE - 1/29/2021

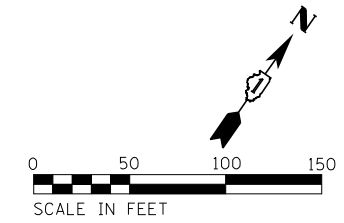
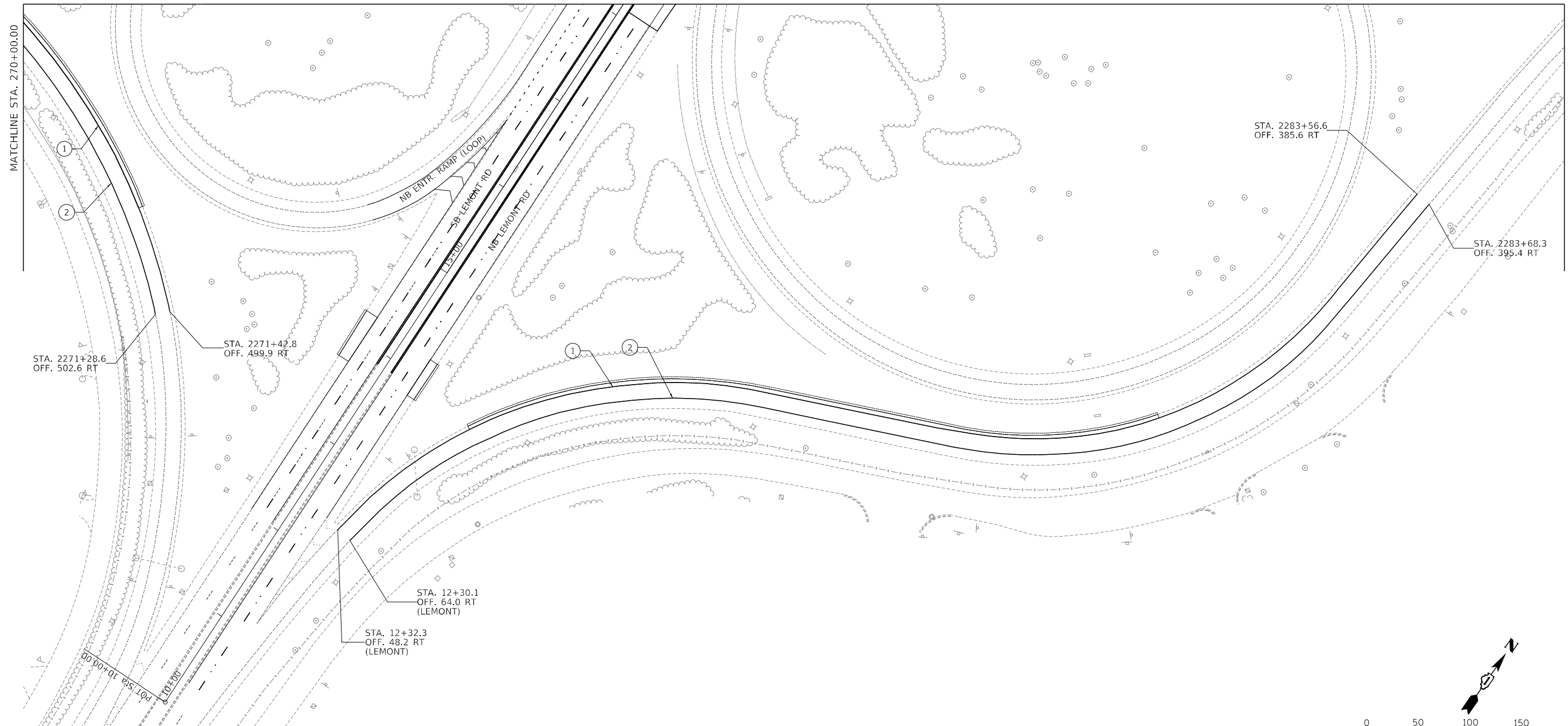
REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD**  
**PAVEMENT MARKING AND SIGNING PLAN - I-55**  
 SCALE: 1"=50' SHEET 2 OF 6 SHEETS STA. 270+00.00 TO STA. 285+00.00

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	139
CONTRACT NO. 62G39				
ILLINOIS FED. AID PROJECT: NHP-PR24(873)				

MATCHLINE - NEXT SHEET



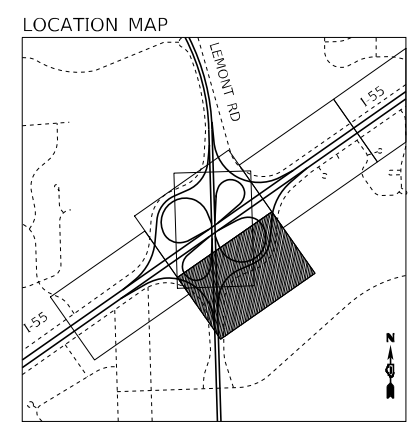
**PAVEMENT MARKING LEGEND**

①	4" YELLOW SOLID LINE
②	4" WHITE SOLID LINE
③	5" (OR 8" CONTRAST) WHITE LANE LINE (30' SKIP, 10' DASH) WITH RRP
③A	4" WHITE LANE LINE (30' SKIP, 10' DASH) WITH RRP
④	8" (OR 11" CONTRAST) WHITE DOTTED LINE (9' SKIP, 3' DASH) WITH RRP
④A	4" WHITE DOTTED LINE (6' SKIP, 2' DASH)
⑤	8" WHITE SOLID LINE
⑥	12" YELLOW SOLID LINE
⑦	12" WHITE SOLID LINE

- PAVEMENT MARKING NOTES**
- 1-55: THERMOPLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON HMA PAVEMENTS.
  - 1-55: MODIFIED URETHANE PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON PCC PAVEMENTS.
  - 1-55: PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, INLAID, SHALL BE USED FOR ALL LANE LINES ON HMA PAVEMENTS.
  - 1-55: CONTRAST PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON PCC PAVEMENT.
  - 1-55: NO RAISED REFLECTIVE PAVEMENT MARKERS ON BRIDGE DECK.
  - LEMONT ROAD: ALL MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKING LINE.

**GUIDE SIGN SEQUENCE NUMBERING CODE**

SGN-TS-01-N	
SIGN	REMOVED (R)
	PROPOSED (P)
MOUNTING TYPE	REMAIN (N)
	RELOCATE (L)
TS - TELESCOPING STEEL	WP - WOOD POST
BS - BREAKAWAY STEEL	SS - SIGN STRUCTURE



MODEL: Default  
FILE NAME: D:\62G39-rt\contk\_03.dwg

**TYLIN INTERNATIONAL**  
200 S. WACKER DR.  
SUITE 1400  
CHICAGO, IL 60606  
TEL: 312-777-2900

USER NAME = mgormely	DESIGNED - KRP	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - KRP	REVISED -
PLOT DATE = 1/27/2021	CHECKED - MPG	REVISED -
	DATE - 1/29/2021	REVISED -

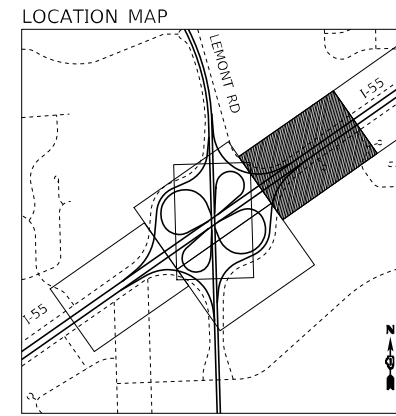
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD  
PAVEMENT MARKING AND SIGNING PLAN - I-55**

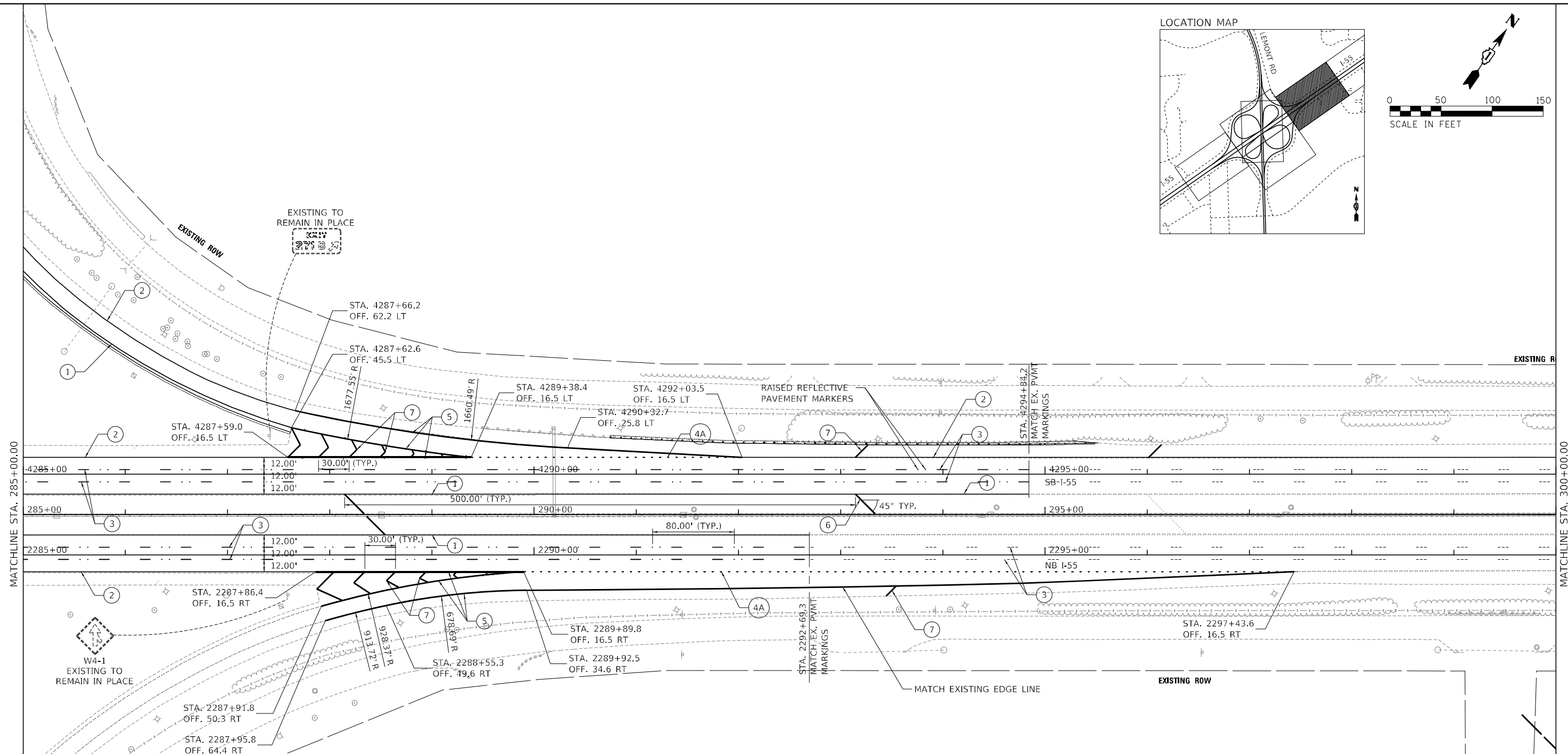
SCALE: 1"=50'    SHEET 3 OF 6 SHEETS    STA. 270+00.00 TO STA. 285+00.00

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	140
CONTRACT NO. 62G39				
ILLINOIS FED. AID PROJECT: NHP-PR24(873)				





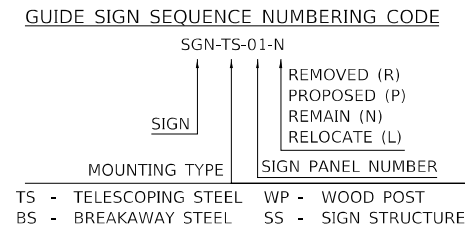
0 50 100 150  
SCALE IN FEET



**PAVEMENT MARKING LEGEND**

①	4" YELLOW SOLID LINE
②	4" WHITE SOLID LINE
③	5" (OR 8" CONTRAST) WHITE LANE LINE (30' SKIP, 10' DASH) WITH RRP
③A	4" WHITE LANE LINE (30' SKIP, 10' DASH) WITH RRP
④	8" (OR 11" CONTRAST) WHITE DOTTED LINE (9' SKIP, 3' DASH) WITH RRP
④A	4" WHITE DOTTED LINE (6' SKIP, 2' DASH)
⑤	8" WHITE SOLID LINE
⑥	12" YELLOW SOLID LINE
⑦	12" WHITE SOLID LINE

- PAVEMENT MARKING NOTES**
- 1-55: THERMOPLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON HMA PAVEMENTS.
  - 1-55: MODIFIED URETHANE PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON PCC PAVEMENTS.
  - 1-55: PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, INLAID, SHALL BE USED FOR ALL LANE LINES ON HMA PAVEMENTS.
  - 1-55: CONTRAST PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON PCC PAVEMENT.
  - 1-55: NO RAISED REFLECTIVE PAVEMENT MARKERS ON BRIDGE DECK.
  - LEMONT ROAD: ALL MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKING LINE.



MODEL: D:\p6\11...  
FILE NAME: D:\62G39-21\compk\_04.dgn

**TYLIN INTERNATIONAL**  
200 S. WACKER DR.  
SUITE 1400  
CHICAGO, IL 60606  
TEL: 312-777-2900

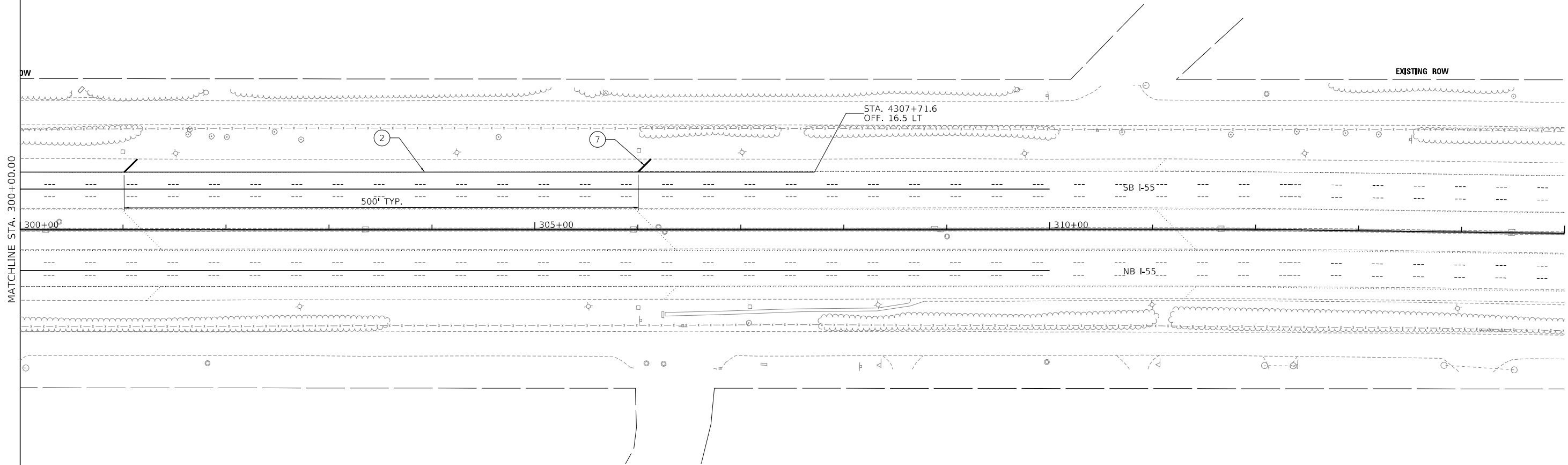
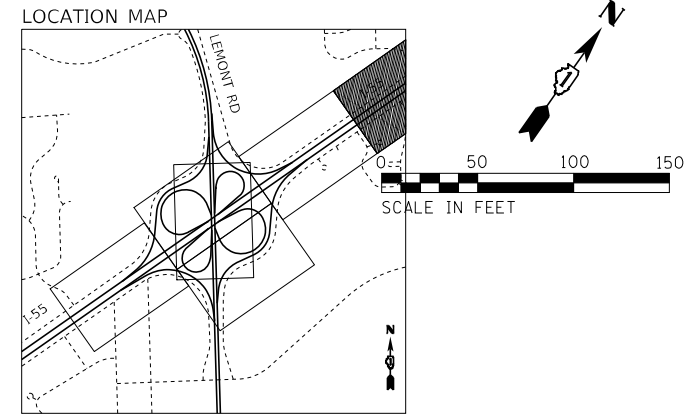
USER NAME = mgormely	DESIGNED - KRP	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - KRP	REVISED -
PLOT DATE = 1/27/2021	CHECKED - MPG	REVISED -
	DATE - 1/29/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD  
PAVEMENT MARKING AND SIGNING PLAN - I-55**

SCALE: 1"=50' SHEET 4 OF 6 SHEETS STA. 285+00.00 TO STA. 300+00.00

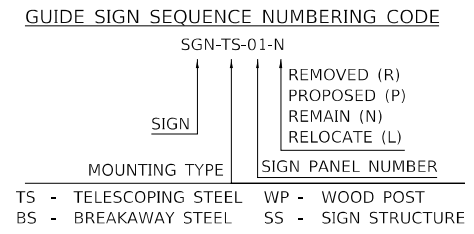
F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	141
CONTRACT NO. 62G39			ILLINOIS FED. AID PROJECT: NHP-PR24(873)	



**PAVEMENT MARKING LEGEND**

①	4" YELLOW SOLID LINE
②	4" WHITE SOLID LINE
③	5" (OR 8" CONTRAST) WHITE LANE LINE (30' SKIP, 10' DASH) WITH RRPM
③A	4" WHITE LANE LINE (30' SKIP, 10' DASH) WITH RRPM
④	8" (OR 11" CONTRAST) WHITE DOTTED LINE (9' SKIP, 3' DASH) WITH RRPM
④A	4" WHITE DOTTED LINE (6' SKIP, 2' DASH)
⑤	8" WHITE SOLID LINE
⑥	12" YELLOW SOLID LINE
⑦	12" WHITE SOLID LINE

- PAVEMENT MARKING NOTES**
- I-55: THERMOPLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON HMA PAVEMENTS.
  - I-55: MODIFIED URETHANE PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON PCC PAVEMENTS.
  - I-55: PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, INLAID, SHALL BE USED FOR ALL LANE LINES ON HMA PAVEMENTS.
  - I-55: CONTRAST PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON PCC PAVEMENT.
  - I-55: NO RAISED REFLECTIVE PAVEMENT MARKERS ON BRIDGE DECK.
  - LEMONT ROAD: ALL MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKING LINE.



MODEL: Default  
FILE NAME: D:\62G39-rt\compk\_05.dgn

**TYLIN INTERNATIONAL**  
200 S. WACKER DR.  
SUITE 1400  
CHICAGO, IL 60606  
TEL: 312-777-2900

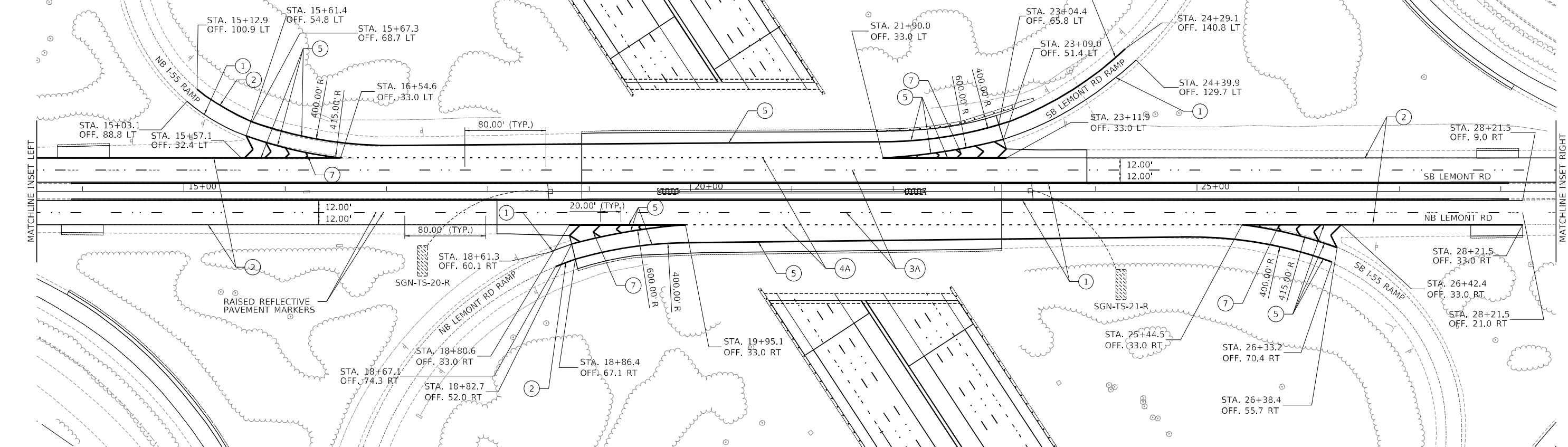
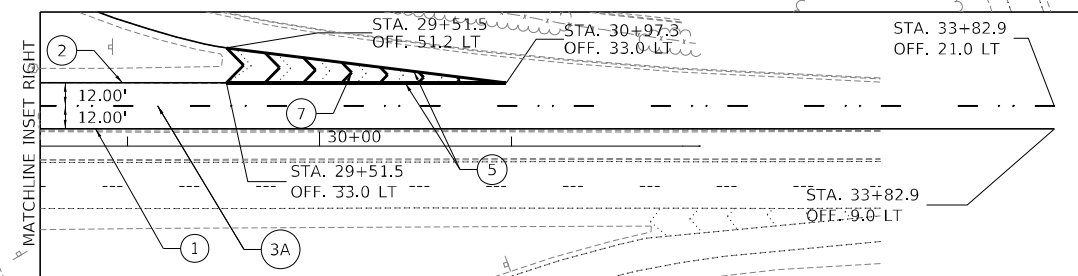
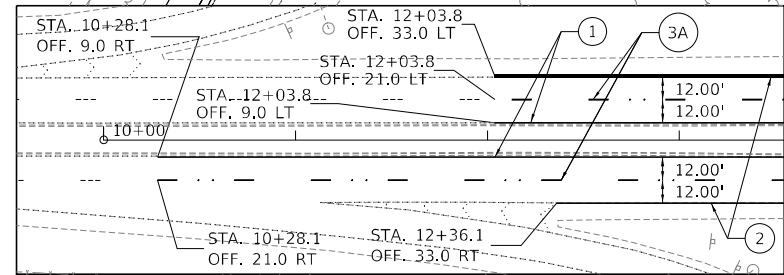
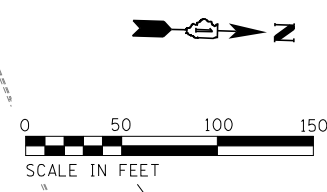
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PLOT DATE = 1/27/2021	CHECKED - MPG	REVISED -
	DATE - 1/29/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD  
PAVEMENT MARKING AND SIGNING PLAN - I-55**

SCALE: 1"=50'    SHEET 5 OF 6 SHEETS    STA. 300+00.00 TO STA. 315+00.00

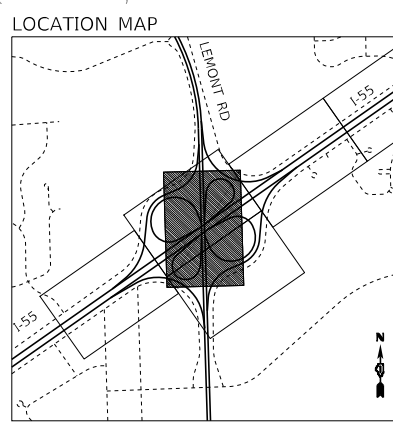
F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	142
CONTRACT NO. 62G39			ILLINOIS FED. AID PROJECT: NHP-PR24(873)	



**PAVEMENT MARKING LEGEND**

1	4" YELLOW SOLID LINE
2	4" WHITE SOLID LINE
3	5" (OR 8" CONTRAST) WHITE LANE LINE (30' SKIP, 10' DASH) WITH RRP
3A	4" WHITE LANE LINE (30' SKIP, 10' DASH) WITH RRP
4	8" (OR 11" CONTRAST) WHITE DOTTED LINE (9' SKIP, 3' DASH) WITH RRP
4A	4" WHITE DOTTED LINE (6' SKIP, 2' DASH)
5	8" WHITE SOLID LINE
6	12" YELLOW SOLID LINE
7	12" WHITE SOLID LINE

- PAVEMENT MARKING NOTES**
- I-55: THERMOPLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON HMA PAVEMENTS.
  - I-55: MODIFIED URETHANE PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON PCC PAVEMENTS.
  - I-55: PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, INLAID, SHALL BE USED FOR ALL LANE LINES ON HMA PAVEMENTS.
  - I-55: CONTRAST PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON PCC PAVEMENT.
  - I-55: NO RAISED REFLECTIVE PAVEMENT MARKERS ON BRIDGE DECK.
  - LEMONT ROAD: ALL MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKING LINE.



MODEL: D:\62G39-rt\contk\_016.dwg  
FILE NAME: D:\62G39-rt\contk\_016.dwg

<b>TYLIN INTERNATIONAL</b> 200 S. WACKER DR. SUITE 1400 CHICAGO, IL 60606 TEL: 312-777-2900	USER NAME = mgomely	DESIGNED - KRP	REVISED -
	PLOT SCALE = 100,0000' / in.	DRAWN - KRP	REVISED -
	PLOT DATE = 1/27/2021	CHECKED - MPG	REVISED -
		DATE - 1/29/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD  
PAVEMENT MARKING AND SIGNING PLAN - LEMONT RD**

SCALE: 1"=50'    SHEET 4 OF 4 SHEETS    STA. 10+00.00 TO STA. 32+00.00

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	143
CONTRACT NO. 62G39				
ILLINOIS FED. AID PROJECT: NHP-PR24(873)				

SIGN DETAIL  
1:75



SIGN NUMBER	SGN-SS-01-P
WIDTH x HGT.	17'-6" x 8'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ SHEETING COLOR: Green
LEGEND/BORDER	TYPE: ZZ SHEETING COLOR: White/White

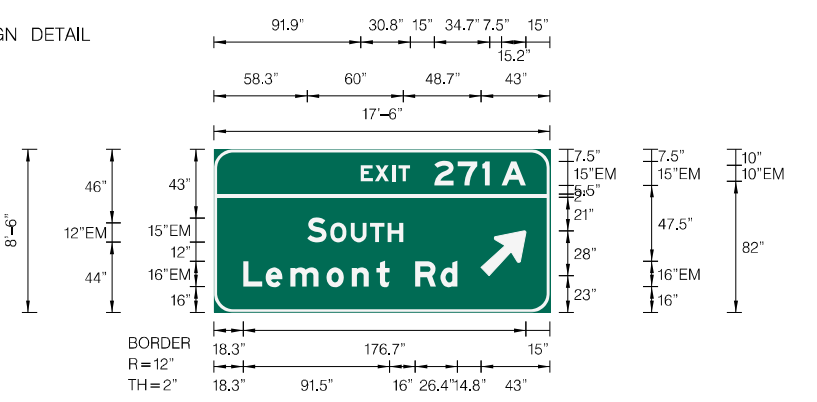
SYMBOL	ROT	X	Y	WID	HT
Type A 16	315	167.1	23	22.2	35.6

Panel Style: guide\_exo\_advance\_a\_ssi  
Dimensions are in inches, tenths  
Panel Style: guide\_exp\_advance\_a\_ssi  
M.U.T.C.D.: 2009 Edition  
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

LETTER POSITIONS (X)		LENGTH	SERIES/SIZE
E	X I T 2 7 1 B		EM 2000
94.9	103.7 114.5 118.3 140.7 155.4 170.9 182.9	100.1	10,15
N	O R T H		EM 2000
55.7	70.1 83.1 94.1 105.2	59.2	15,12
L	e m o n i R d		EM 2000
18.3	32.3 47.8 70.3 86.2 101.5 125.9 141.7	133.9	1612

SIGN DETAIL  
1:75



SIGN NUMBER	SGN-SS-02-P
WIDTH x HGT.	17'-6" x 8'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ SHEETING COLOR: Green
LEGEND/BORDER	TYPE: ZZ SHEETING COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
Type A 16	315	167.1	23	22.2	35.6

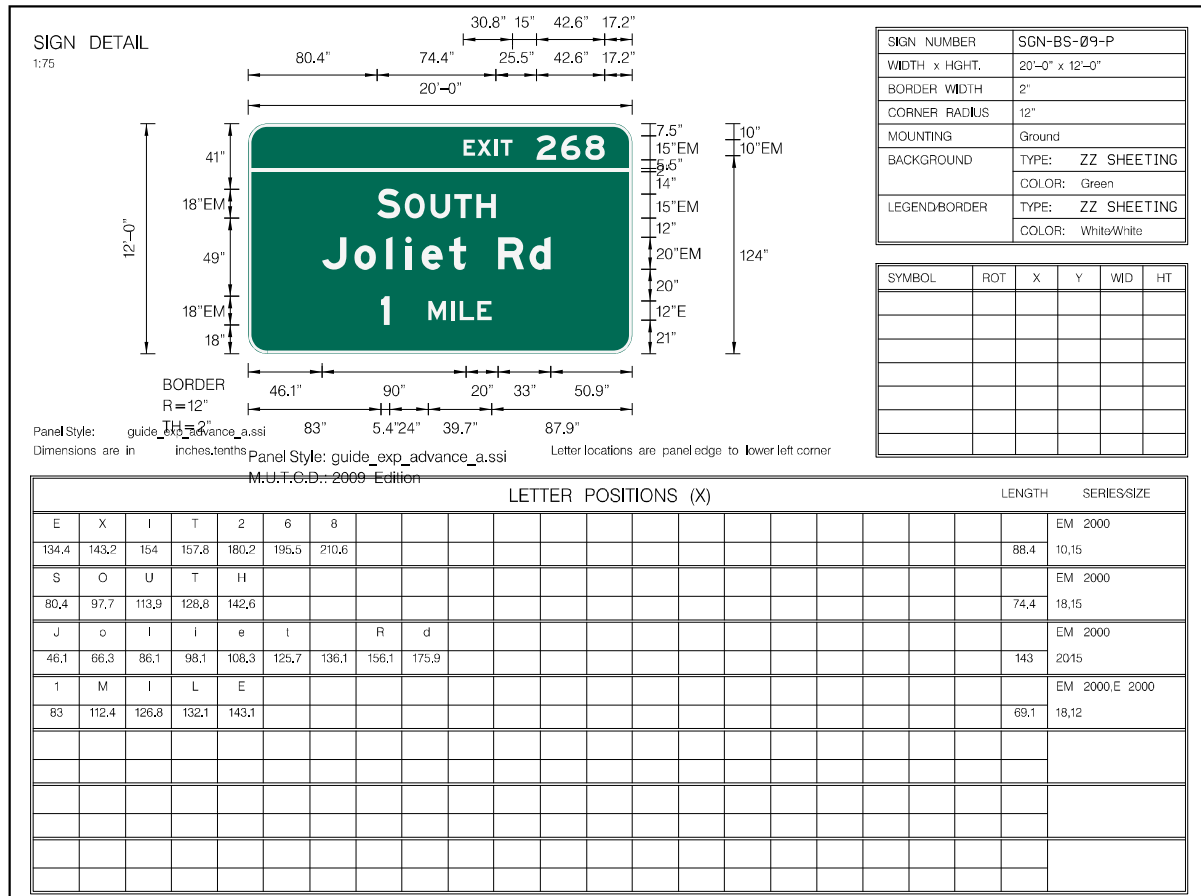
Panel Style: guide\_exp\_advance\_a\_ssi  
Dimensions are in inches, tenths  
Panel Style: guide\_exp\_advance\_a\_ssi  
M.U.T.C.D.: 2009 Edition  
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

LETTER POSITIONS (X)		LENGTH	SERIES/SIZE
E	X I T 2 7 1 A		EM 2000
91.9	100.7 111.5 115.3 137.7 152.4 167.9 179.9	103.1	10,15
S	O U T H		EM 2000
58.3	72.7 85.7 97.6 108.6	60	15,12
L	e m o n i R d		EM 2000
18.3	32.3 47.8 70.3 86.2 101.5 125.9 141.7	133.9	1612

NOTE: EM IS E(MODIFIED)





SIGN NUMBER	SGN-BS-09-P
WIDTH x HGHT.	20'-0" x 12'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Ground
BACKGROUND	TYPE: ZZ SHEETING
	COLOR: Green
LEGEND BORDER	TYPE: ZZ SHEETING
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

NOTE: EM IS E(MODIFIED)

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**TYLIN INTERNATIONAL**  
200 S. WACKER DR.  
SUITE 1400  
CHICAGO, IL 60606  
TEL: 312-777-2900

USER NAME = mgormely  
PLOT SCALE = 10,0000 \*/ in.  
PLOT DATE = 1/27/2021

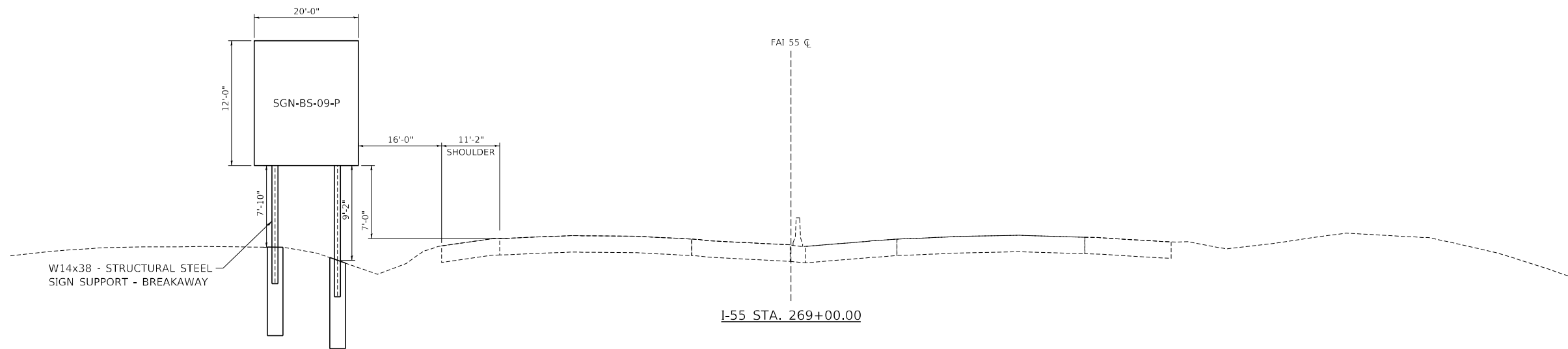
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DRAWN - KRP  
CHECKED - MPG  
DATE - 1/29/2021

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD**  
**SIGN DETAIL**  
SCALE: NONE SHEET 3 OF 3 SHEETS STA. N/A TO STA. N/A

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	146
CONTRACT NO. 62G39				
ILLINOIS FED. AID PROJECT: NHP-PRZ4(873)				



MODEL: D:\62G39\62G39-Int-SignSection01.dgn  
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**TYLIN INTERNATIONAL**  
 200 S. WACKER DR.  
 SUITE 1400  
 CHICAGO, IL 60606  
 TEL: 312-777-2900

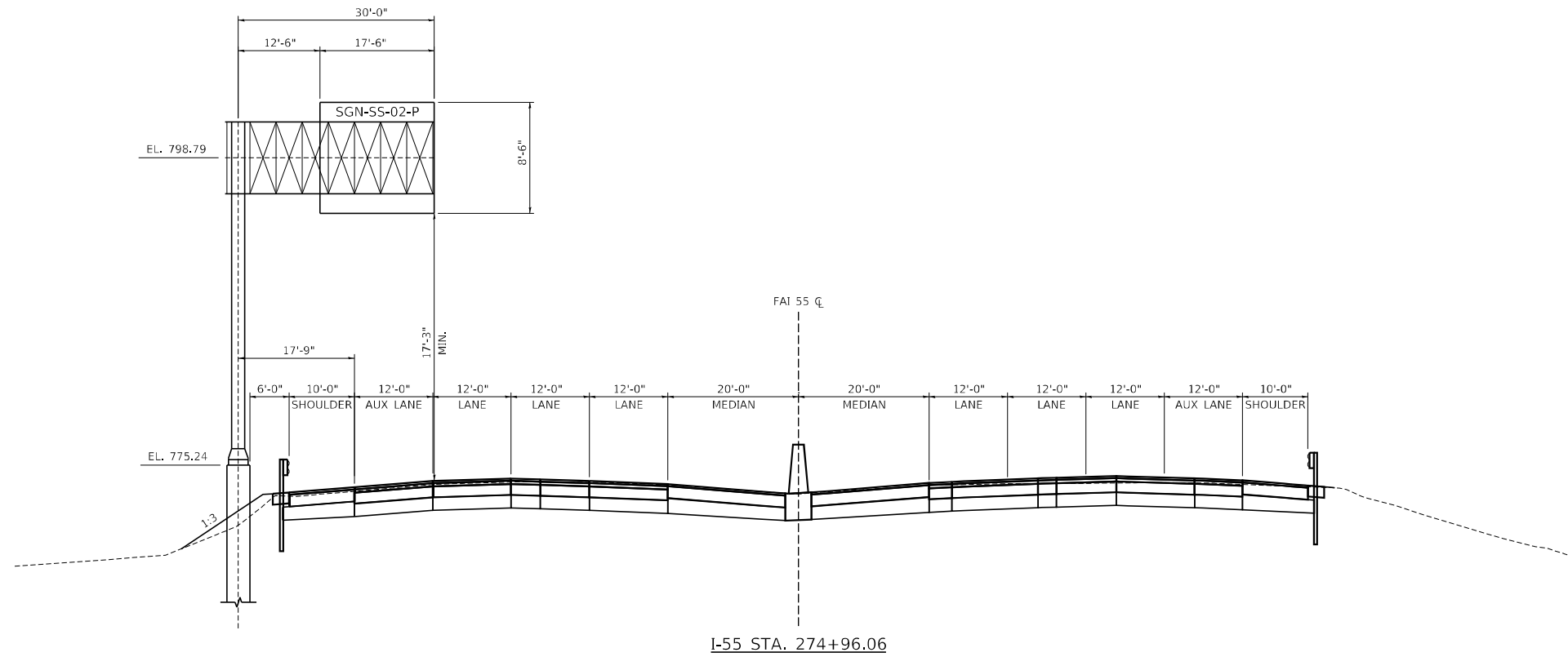
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PLOT DATE = 1/27/2021	DATE - 1/29/2021	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD**  
**BREAKAWAY STEEL SIGN CROSS-SECTION**

SCALE: NONE    SHEET 1 OF 3 SHEETS    STA. N/A TO STA. N/A

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	147
CONTRACT NO. 62G39				
ILLINOIS FED. AID PROJECT: NHP-PR24(873)				



MODEL: D:\62G39-Int-SignSection02.dgn  
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**TYLIN INTERNATIONAL**  
 200 S. WACKER DR.  
 SUITE 1400  
 CHICAGO, IL 60606  
 TEL: 312-777-2900

USER NAME = mgormely	DESIGNED - MPG	REVISED -
	DRAWN - MPG	REVISED -
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PLOT DATE = 1/27/2021	DATE - 1/29/2021	REVISED -

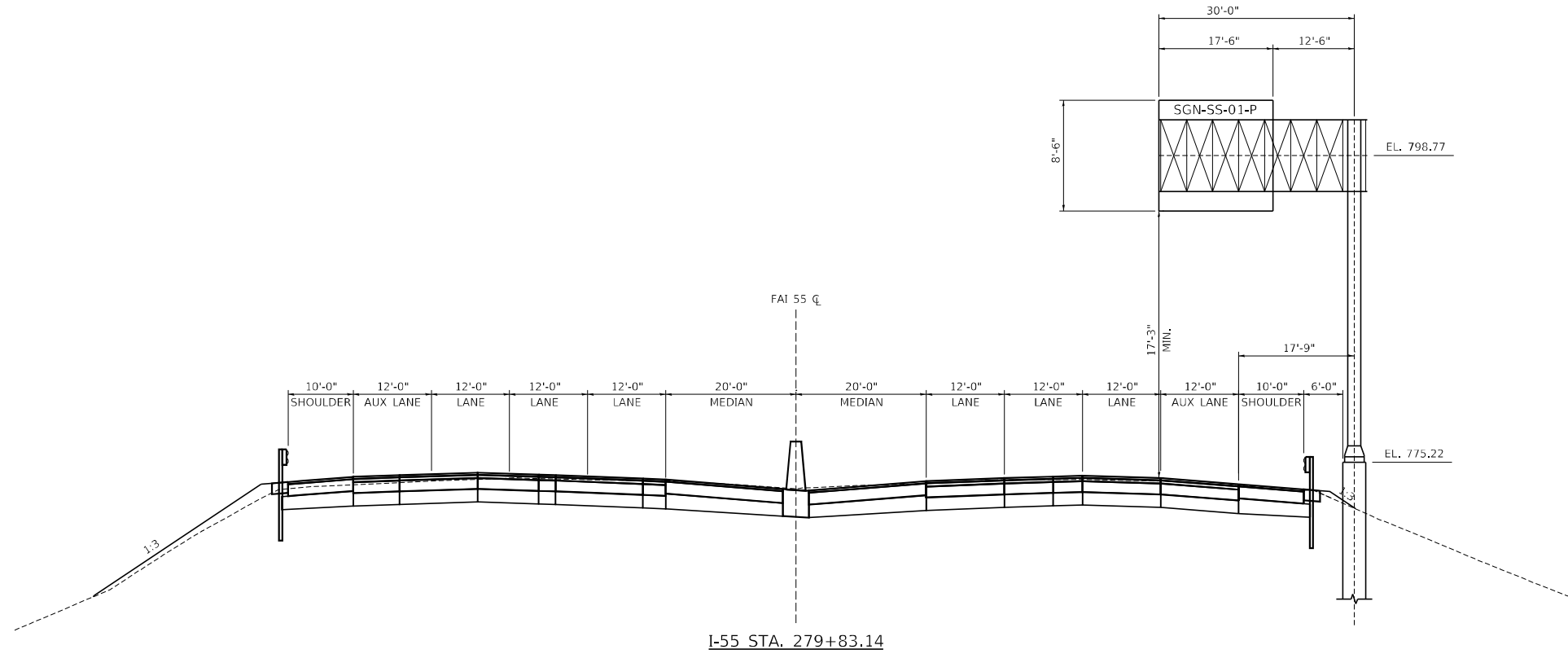
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD**  
**CANTILEVER SIGN CROSS-SECTION**

SCALE: NONE    SHEET 2 OF 3 SHEETS    STA. N/A TO STA. N/A

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	148
CONTRACT NO. 62G39				
ILLINOIS FED. AID PROJECT: NHPP-PR24(873)				





I-55 STA. 279+83.14

MODEL: D:\62G39-Int-SignSection03.dgn

**TYLIN INTERNATIONAL**  
 200 S. WACKER DR.  
 SUITE 1400  
 CHICAGO, IL 60606  
 TEL: 312-777-2900

USER NAME = mgormely	DESIGNED - MPG	REVISED -
	DRAWN - MPG	REVISED -
PLOT SCALE = 24,0000 * / in.	CHECKED - KRP	REVISED -
PLOT DATE = 1/27/2021	DATE - 1/29/2021	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD  
 CANTILEVER SIGN CROSS-SECTION**

SCALE: NONE SHEET 3 OF 3 SHEETS STA. N/A TO STA. N/A

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	149
CONTRACT NO. 62G39				
ILLINOIS FED. AID PROJECT: NHPP-PR24(873)				

**GENERAL NOTES**

**DESIGN:** AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. ("AASHTO Specifications")

**CONSTRUCTION:** Current (at time of letting) Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Supplemental Specifications and Special Provisions. ("Standard Specifications")

**LOADING:** 90 M.P.H. WIND VELOCITY

**WALKWAY LOADING:** Dead load plus 500 lbs. concentrated live load.

**DESIGN STRESSES:**

Field Units  
 $f' = 3,500$  p.s.i.  
 $f_y = 60,000$  p.s.i. (reinforcement)

**WELDING:** All welds to be continuous unless otherwise shown. All welding to be done in accordance with current AWS D1.1 and D1.2 Structural Welding Codes (Steel and Aluminum) and the Standard Specifications.

**MATERIALS:** Aluminum Alloys as shown throughout plans. All Structural Steel Pipe shall be ASTM A53 Grade B or A500 Grade B or C. If A500 pipe is substituted for A53, then the outside diameter shall be as detailed and wall thickness greater than or equal to A53.

All Structural Steel Plates and Shapes shall conform to AASHTO M270 Gr. 36, Gr. 50 or Gr. 50W\*. Stainless steel for shims, sleeves and handhole covers shall be ASTM A240, Type 302 or 304, or another alloy suitable for exterior exposure and acceptable to the Engineer.

The steel pipe and stiffening ribs at the base plate for the column shall have a minimum longitudinal Charpy V-Notch (CVN) energy of 15 lb.-ft. at 40° F. (Zone 2) before galvanizing.

**FASTENERS FOR ALUMINUM TRUSSES:** All bolts noted as "high strength" must satisfy the requirements of AASHTO M164 (ASTM A325), or approved alternate, and must have matching lock nuts. Threaded studs for splices (if Members interfere) must satisfy the requirements of ASTM A449, ASTM A193, Grade B7, or approved alternate, and must have matching lock nuts. Bolts and lock nuts not required to be high strength must satisfy the requirements of ASTM A307. All bolts and lock nuts must be hot dip galvanized per AASHTO M232. The lock nuts must have nylon or steel inserts. A stainless steel flat washer conforming to ASTM A240 Type 302 or 304, is required under both head and nut or under both nuts where threaded studs are used. High strength bolt installation shall conform to Article 505.04 (f) (2) of the IDOT Standard Specifications for Road and Bridge Construction. Rotational capacity ("ROCAP") testing of bolts will not be required.

**U-BOLTS AND EYEBOLTS:** U-Bolts and Eyebolts must be produced from ASTM A276 Type 304, 304L, 316 or 316L, Condition A, cold finished stainless steel, or an equivalent material acceptable to the Engineer. All nuts for U-Bolts and Eyebolts must be lock nuts equivalent to ASTM A307 with nylon or steel inserts and hot dip galvanized per AASHTO M232. A stainless steel flat washer conforming to ASTM A240, Type 302 or 304, is required under each U-Bolt and Eyebolt lock nut.

**GALVANIZING:** All Steel Grating, Plates, Shapes and Pipe shall be Hot Dip Galvanized after fabrication in accordance with AASHTO M111. Painting is not permitted.

**ANCHOR RODS:** Shall conform to ASTM F1554 Gr. 105.

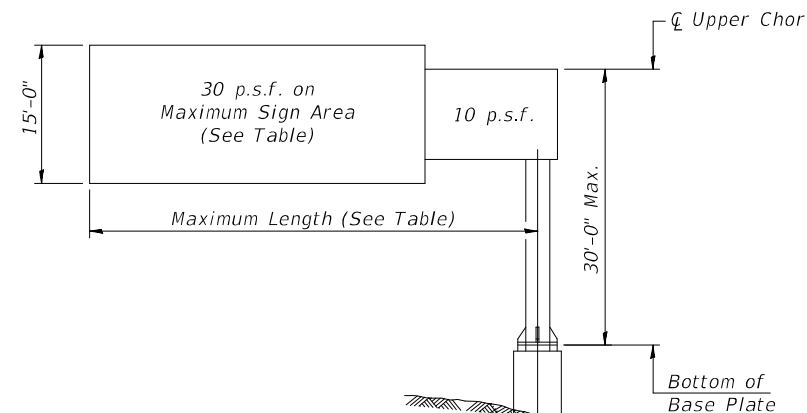
**CONCRETE SURFACES:** All concrete surfaces above an elevation 6" below the lowest final ground line at each foundation shall be cleaned and coated with Concrete Sealer in accordance with the Standard Specifications.

**REINFORCEMENT BARS:** Reinforcement Bars designated (E) shall be epoxy coated in accordance with the Standard Specifications.

**FOUNDATIONS:** The contract unit price for Drilled Shaft Concrete Foundations shall include reinforcement bars complete in place.

Structure Number	Station	Design Truss Type	Cantilever Length (L)	Elev. A	Dim. D	Ds	Total Sign Area
1C0221055L270.8	274+96.06	II-C-A	30'	774.04	17'-9"	17'-6"	149.0 SF
1C0221055R271.0	279+83.14	II-C-A	30'	774.02	17'-9"	17'-6"	149.0 SF

Truss Type	Maximum Sign Area	Maximum Length
I-C-A	170 Sq. Ft.	25 Ft.
II-C-A	340 Sq. Ft.	30 Ft.
III-C-A	400 Sq. Ft.	40 Ft.



**DESIGN WIND LOADING DIAGRAM**

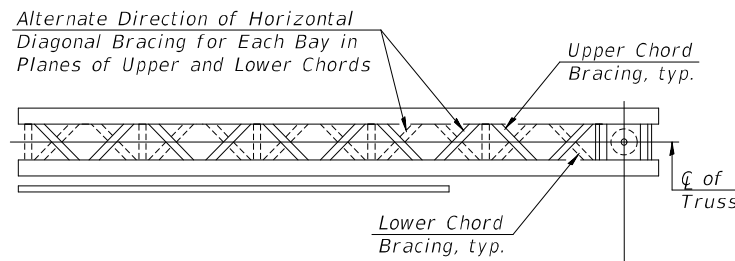
Parameters shown are basis for I.D.O.T. Standards. Installations not within dimensional limits shown require special analysis for all components.

Note:

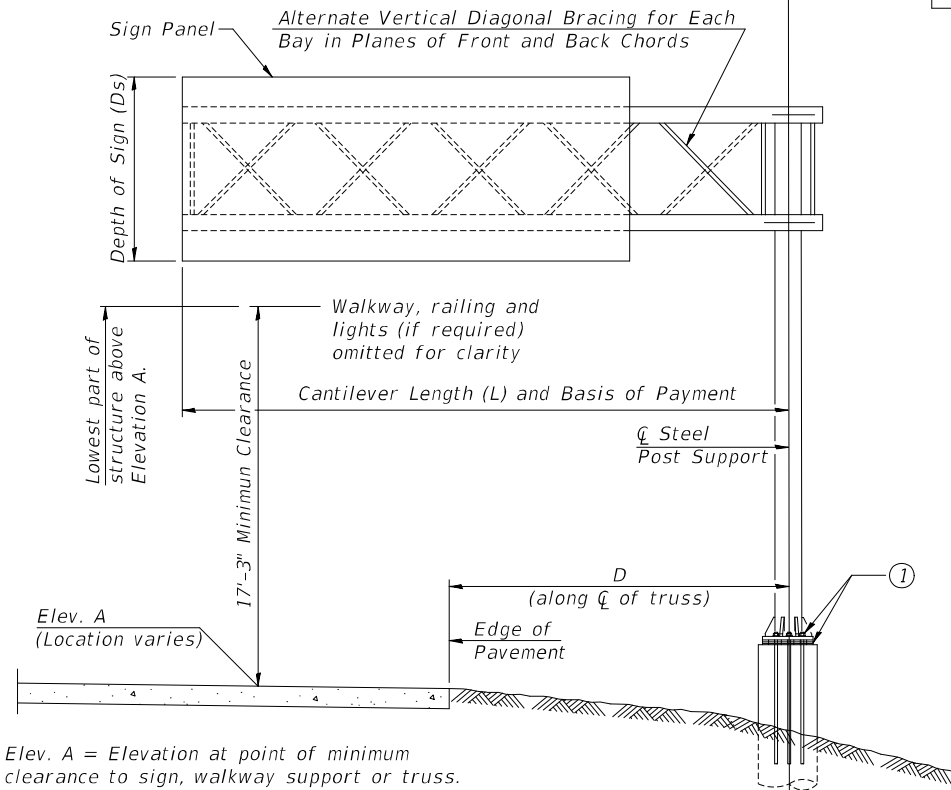
Trusses shall be shipped individually with adequate provision to prevent detrimental motion during transport. This may require ropes between horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. The contractor is responsible for maintaining the configuration and protection of the trusses.

- ① After adjustments to level truss and insure adequate vertical clearance, all top and leveling nuts shall be tightened against the base plate with a minimum torque of 200 lb.-ft. Stainless steel mesh shall then be placed around the perimeter of the base plate. Secure to base plate with stainless steel banding.

\* If M270 Gr. 50W (M222) steel is proposed, chemistry for plate to be used shall first be approved by the Engineer as suitable for galvanizing and welding.



**TYPICAL PLAN**  
 (Walkway not shown)



**TYPICAL ELEVATION**  
 Looking in Direction of Traffic

Sign support structures may be subject to damaging vibrations and oscillations when sign panels are not in place during erection or maintenance of the structure. To avoid these vibrations and oscillations, consideration should be given to attaching temporary blank sign panels to the structure.

Elev. A = Elevation at point of minimum clearance to sign, walkway support or truss.

OSC-A-1

2-17-2017

**TYLIN INTERNATIONAL**  
 200 S. WACKER DR.  
 SUITE 1400  
 CHICAGO, IL 60606  
 TEL: 312-777-2900

USER NAME = mgormely	DESIGNED - MPG	REVISED -
PLOT SCALE = 2,0000' / in.	DRAWN - MPG	REVISED -
PLOT DATE = 1/27/2021	CHECKED - KRP	REVISED -
	DATE - 1/29/2021	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

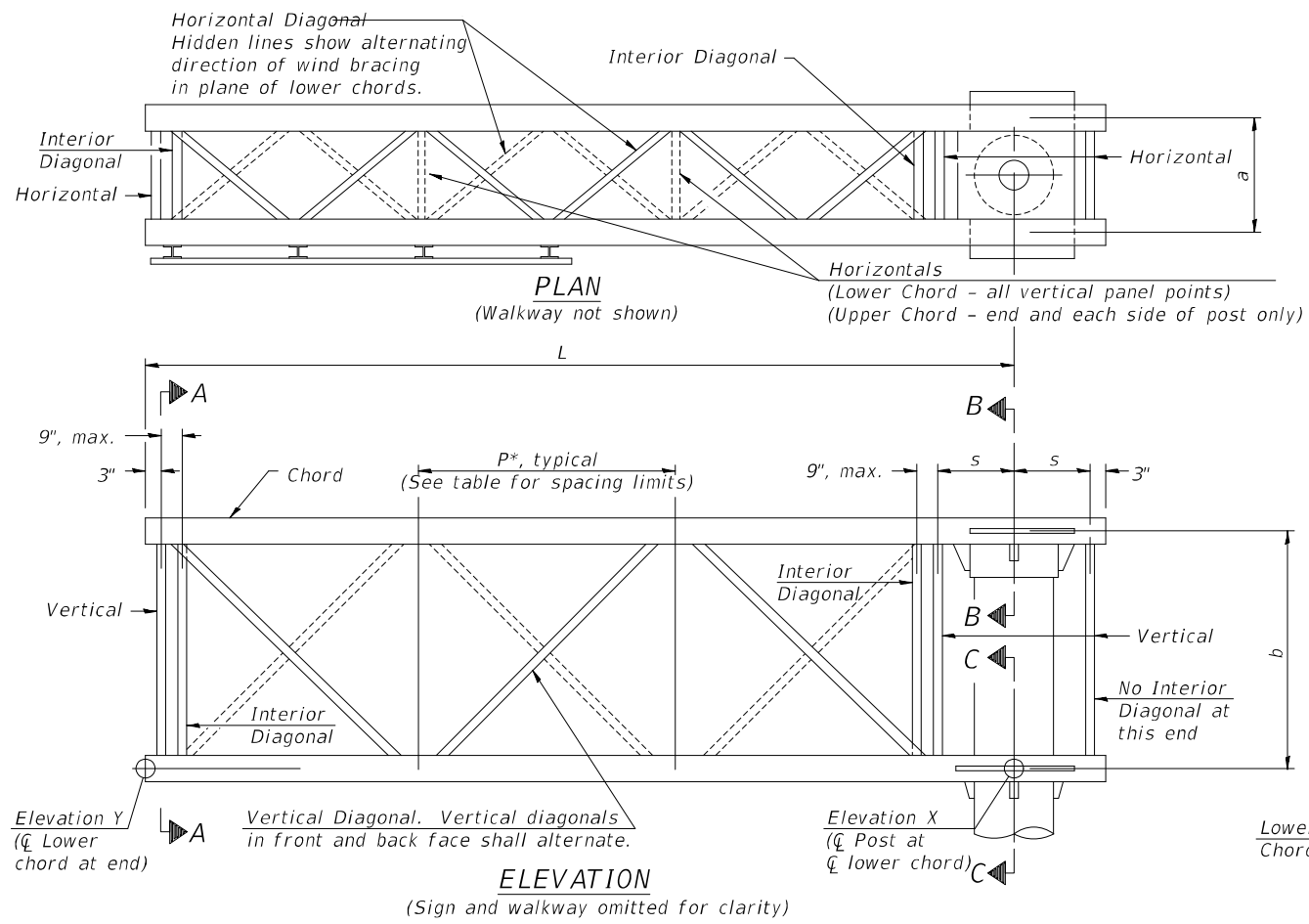
**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD**  
**IDOT STANDARD SIGN DETAIL OSC-A-1**

SCALE: NONE SHEET 1 OF 10 SHEETS STA. N/A TO STA. N/A

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	150
CONTRACT NO. 62G39				
ILLINOIS FED. AID PROJECT: NHP-PR24(873)				

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
OVERHEAD SIGN STRUCTURE CANTILEVER TYPE I-C-A	Foot	-
OVERHEAD SIGN STRUCTURE CANTILEVER TYPE II-C-A	Foot	60
OVERHEAD SIGN STRUCTURE CANTILEVER TYPE III-C-A	Foot	-
OVERHEAD SIGN STRUCTURE WALKWAY, TYPE A	Foot	-
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds.	12.6



**TYPICAL TRUSS UNIT**

For Section B-B and Section C-C, see Base Sheet OSC-A-3.

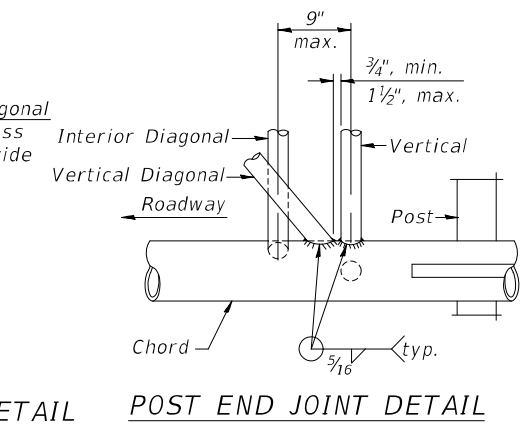
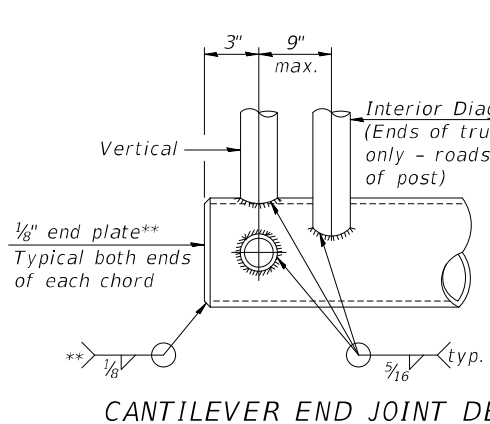
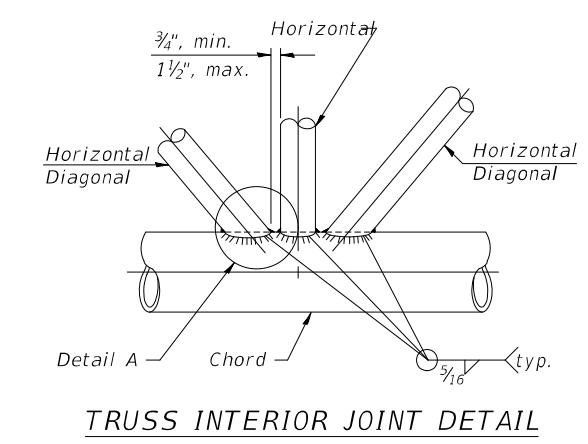
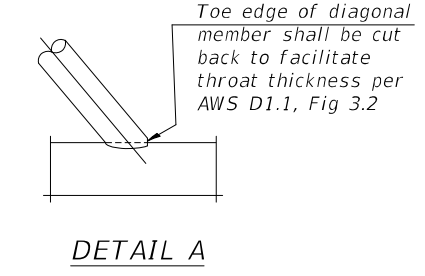
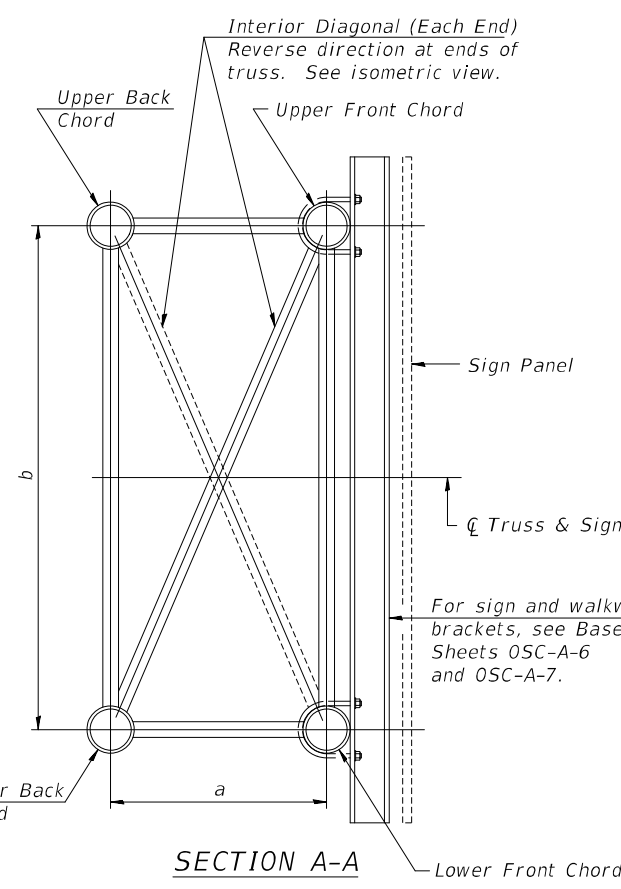
Note:  
There are twice as many horizontal diagonals as there are vertical diagonals.

**TRUSS UNIT TABLE**

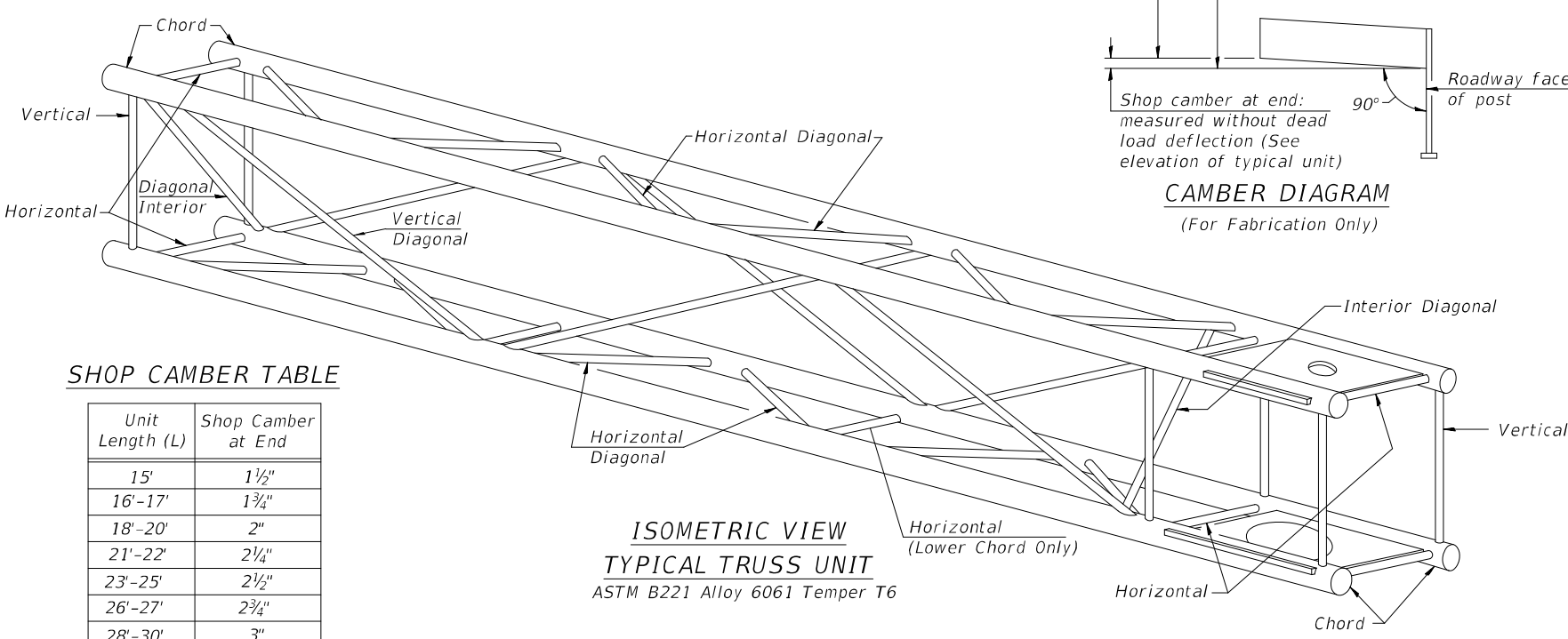
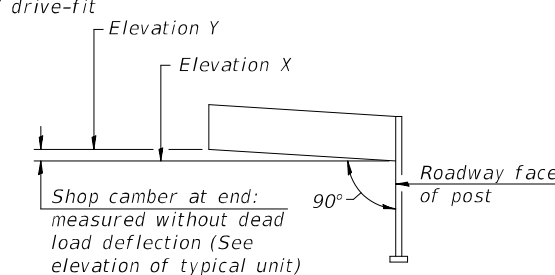
Truss Type	Dimension "a"	Dimension "b"	Dimension "s"	Limits for Panel Spacing (P)*	Up. & Low. Chord		Verticals; Horizontals; Vertical, Horizontal, and Interior Diagonals	
					O.D.	Wall	O.D.	Wall
I-C-A	24"	54"	16"	36" min. to 48" max.	5"	5/16"	2 1/2"	5/16"
II-C-A	36"	66"	21"	42" min. to 54" max.	6 1/2"	5/16"	3 1/4"	5/16"
III-C-A (35' Max.)	36"	84"	21"	48" min. to 66" max.	7"	3/8"	3 1/2"	3/8"
III-C-A (>35' to 40')	36"	84"	21"	48" min. to 66" max.	8"	3/8"	3 1/2"	3/8"

$$*P = \frac{L-s-3"}{\# \text{ Panels}}$$

Structure Number	Station	Truss Type	Design Length (L)	Number of Panels Per Unit	Panel Length (P)*
1C0221055L270.8	274+96.06	II-C-A	30'	7	48"
1C0221055R271.0	279+83.14	II-C-A	30'	7	48"



\*\* Contractor may alternatively use standard aluminum drive-fit cap to close ends.  
1/2" Ø Drain hole in end plate / drive-fit cap.



**SHOP CAMBER TABLE**

Unit Length (L)	Shop Camber at End
15'	1 1/2"
16'-17'	1 3/4"
18'-20'	2"
21'-22'	2 1/4"
23'-25'	2 1/2"
26'-27'	2 3/4"
28'-30'	3"
31'-32'	3 1/4"
33'-35'	3 1/2"
36'-37'	4"
38'-40'	4 1/2"

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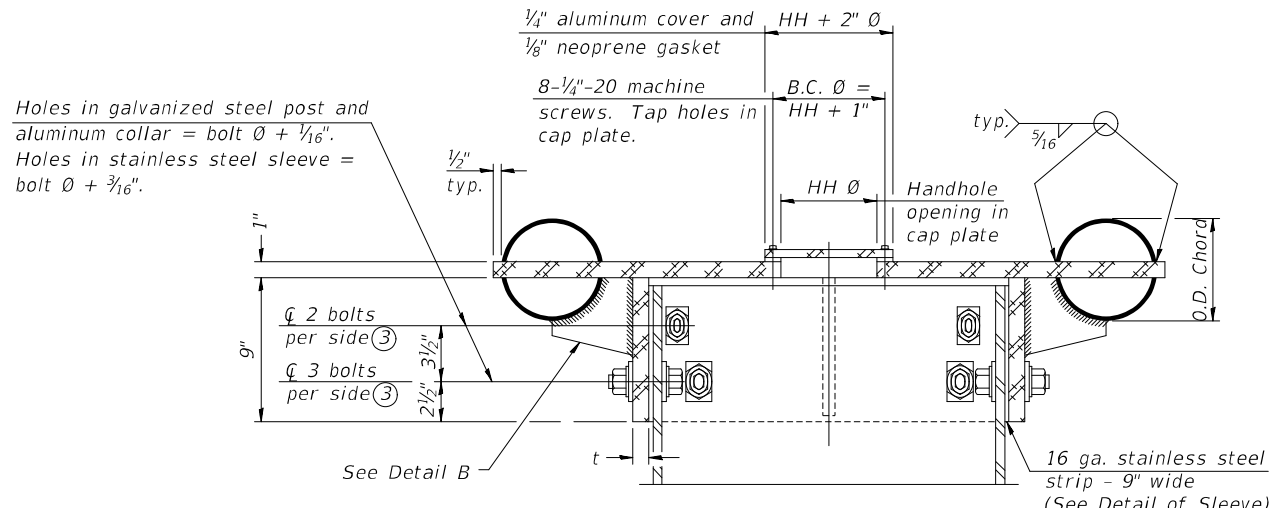
OSC-A-2  
2-17-2017  
TYLIN INTERNATIONAL  
200 S. WACKER DR.  
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CHICAGO, IL 60606  
TEL: 312-777-2900

USER NAME	DESIGNED	REVISIONS
= mgormely	- MPG	-
	- MPG	-
	- KRP	-
	-	-

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

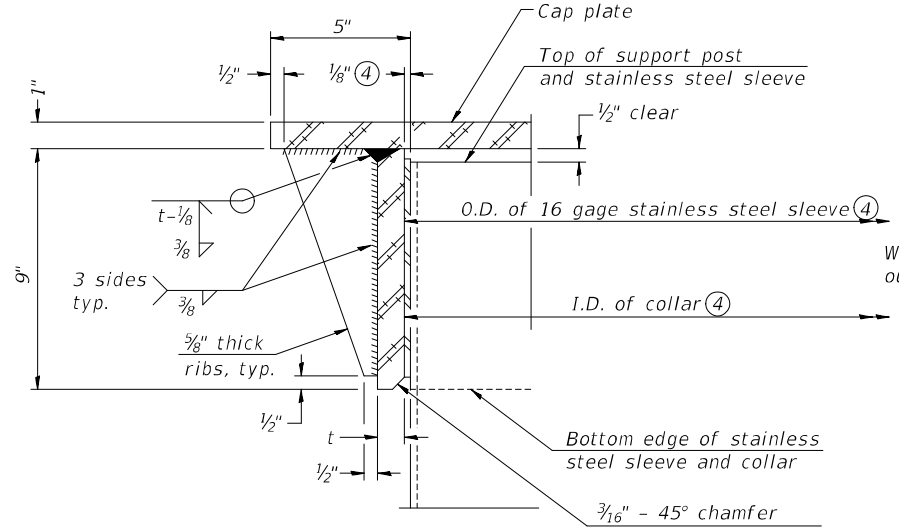
I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD  
IDOT STANDARD SIGN DETAIL OSC-A-2  
SCALE: NONE SHEET 2 OF 10 SHEETS STA. N/A TO STA. N/A

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	151
CONTRACT NO. 62G39				
ILLINOIS FED. AID PROJECT: NHP-PR24(873)				

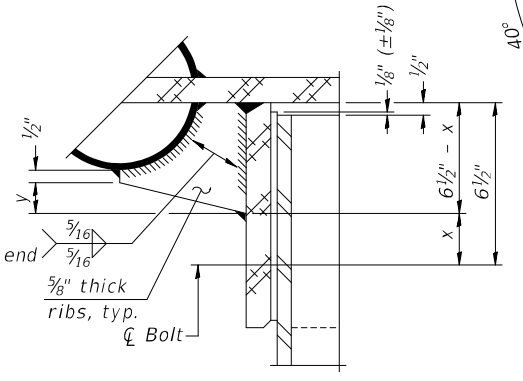


④ Collar I.D. shall be manufactured to correspond to O.D. of actual galvanized post and stainless steel sleeve plus 1/8" (±1/16"). Maximum gap between post and collar at any location equals 1/8" before tightening bolts.

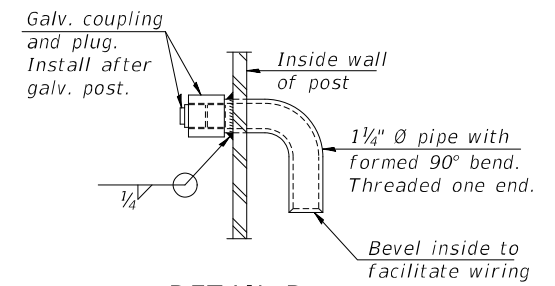
**SECTION B-B**  
Bolts, washers (including contoured washers), and locknuts shall be stainless steel.



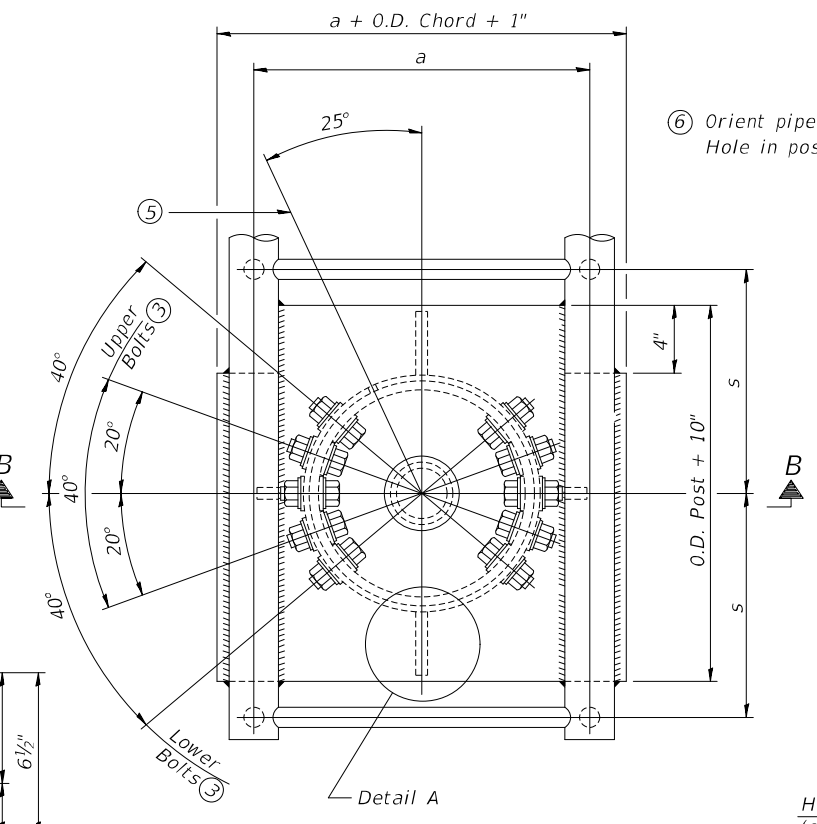
**DETAIL A**  
(Two locations)  
3/16" - 45° chamfer on inside of collar to facilitate field assembly



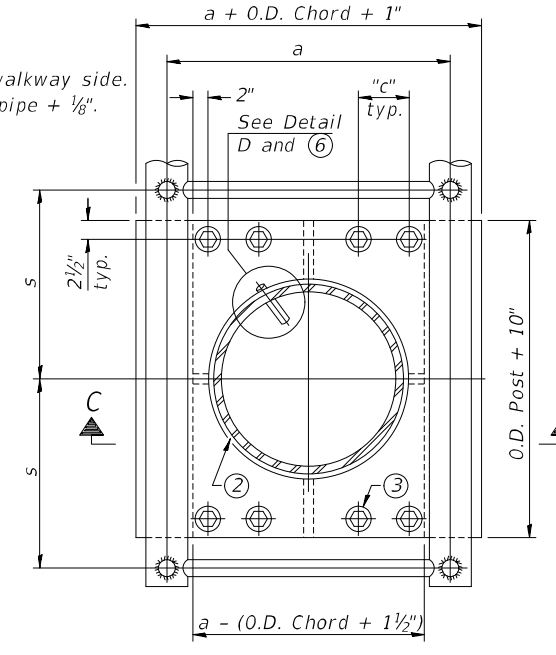
**DETAIL B**  
Two locations  
(For details not shown, see Detail C)



**DETAIL D**

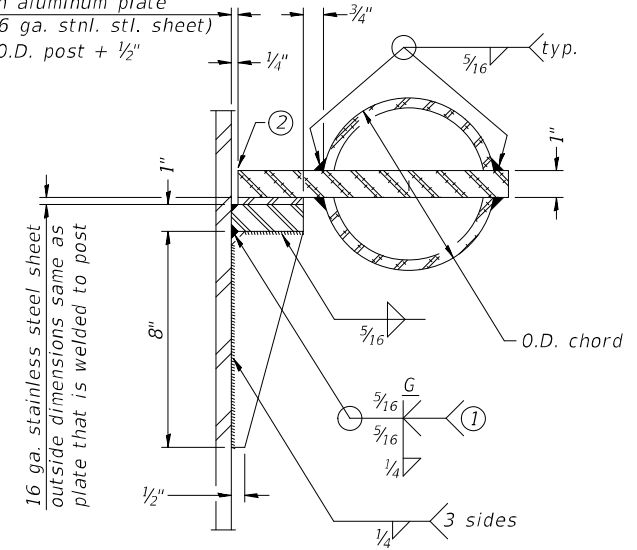


**PLAN VIEW - TOP OF COLUMN**  
⑤ Optional full penetration weld in collar. (Two locations maximum....(180° apart)....X-ray or UT 100%)



**SECTION THRU POST ABOVE LOWER CHORDS**

Hole in aluminum plate (and 16 ga. stnl. stl. sheet) to be O.D. post + 1/2"



**DETAIL C**

**CONTOURED WASHERS**

Bolt Size	Contoured Washers	
	Hole Dia.	B
7/8"	1"	2 1/2"
1"	1 1/8"	3"
1 1/4"	1 3/8"	

**DETAIL OF STAINLESS STEEL SLEEVE**

Weld to post after galvanizing. (Prepare post surface to insure tight, uniform fit and allow welding.) Welds to be 1 1/2" long at 6" cts. along top edge and at 1/4" opening.

Truss Type	Post Size	Upper & Lower Connection Bolt Diameter ③	Lower Juncture Bolt Spacing Dimension "c" ③	Opening in Cap Plate "HH"	Collar Thickness (t)	Side Ribs	
						x	y
I-C-A	16" Ø (83#/' )	7/8"	3 1/4"	8"	5/8"	1 3/4"	2 1/4"
II-C-A	24" Ø (125#/' )	1"	3 1/2"	12"	7/8"	2"	1 1/4"
III-C-A (35' max.)	24" Ø (125#/' )	1 1/4"	3 1/2"	12"	7/8"	2"	1"
III-C-A (>35' to 40')	24" Ø (171#/' )	1 1/4"	3 1/2"	12"	7/8"	2"	1"

- ① Grind top if required to fully seat aluminum plate and stainless steel sheet.
- ② After tightening lower connection bolts, fill gap with non-hardening, silicone caulk suitable for exterior exposure and acceptable to the Engineer. Cost is included in Overhead Sign Structure Cantilever.
- ③ Upper and lower connection bolts in collar and bolts at lower chord connection shall be high strength with matching locknuts. Connection bolts shall have 2 stainless steel flat washers each.

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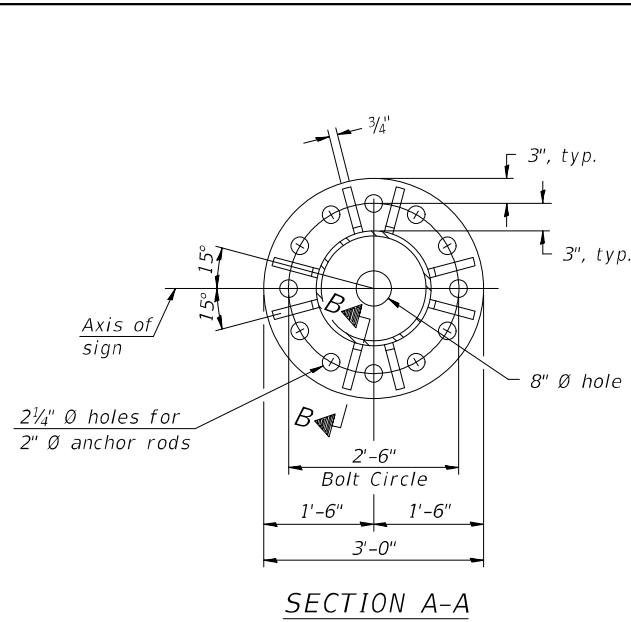
OSC-A-3  
2-17-2017  
**TYLIN INTERNATIONAL**  
200 S. WACKER DR.  
SUITE 1400  
CHICAGO, IL 60606  
TEL: 312-777-2900

USER NAME	DESIGNED	REVISIONS
= mgormely	- MPG	-
	DRAWN - MPG	REVISIONS -
	CHECKED - KRP	REVISIONS -
	DATE - 1/29/2021	REVISIONS -

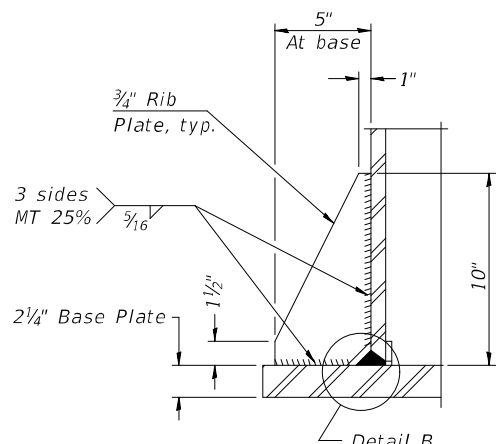
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD**  
**IDOT STANDARD SIGN DETAIL OSC-A-3**  
SCALE: NONE SHEET 3 OF 10 SHEETS STA. N/A TO STA. N/A

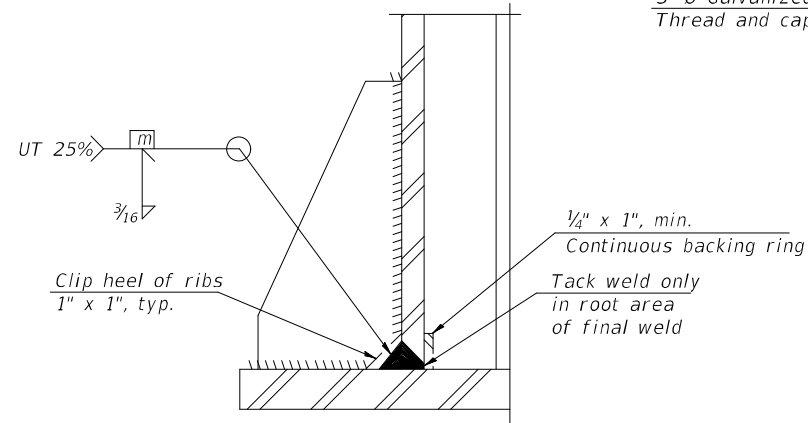
F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	152
CONTRACT NO. 62G39				
ILLINOIS FED. AID PROJECT: NHP-PR24(873)				



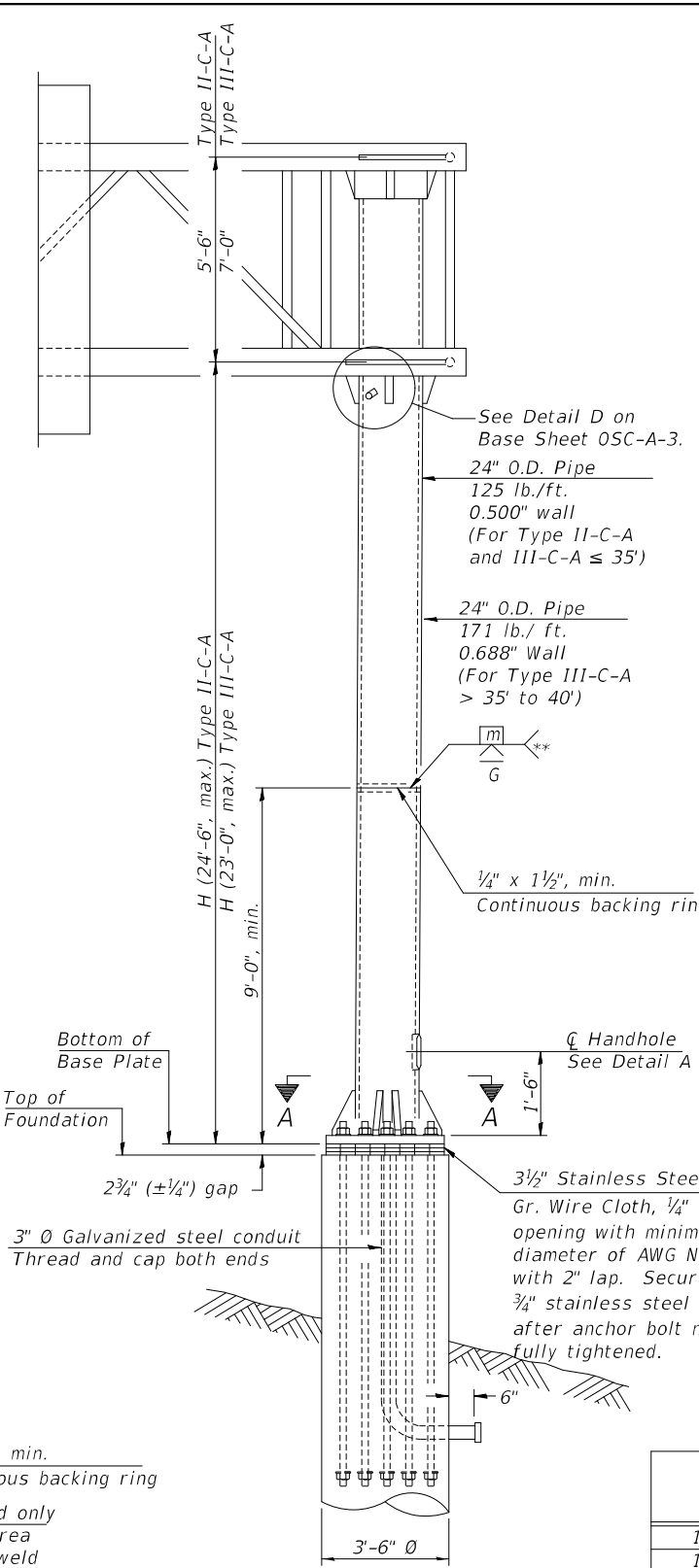
SECTION A-A



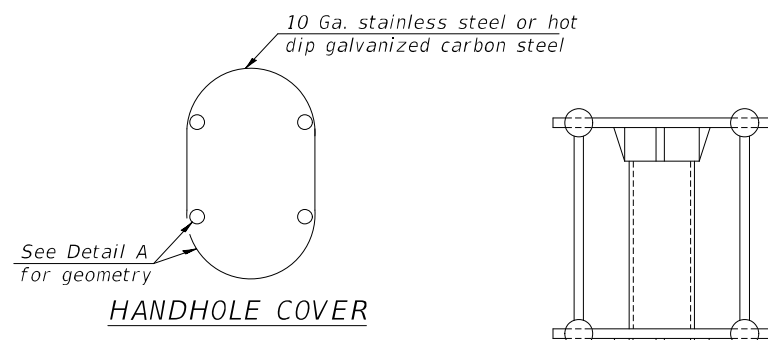
SECTION B-B



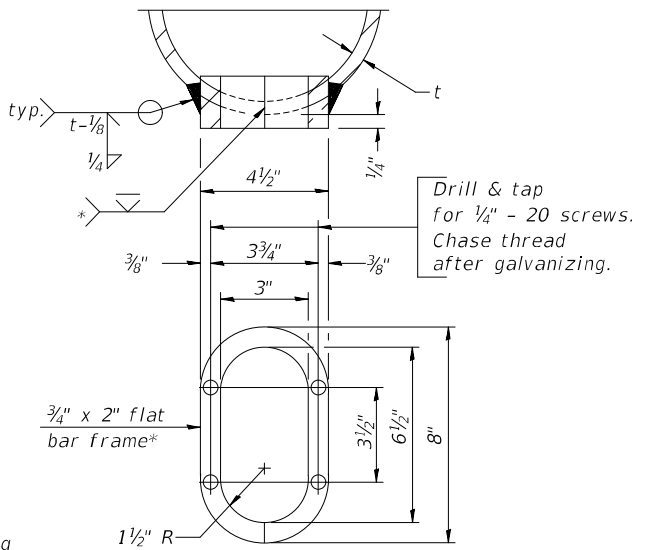
DETAIL B  
(Typical rib)



FRONT ELEVATION  
For Foundation Details see Base Sheet OSC-A-9.



HANDHOLE COVER



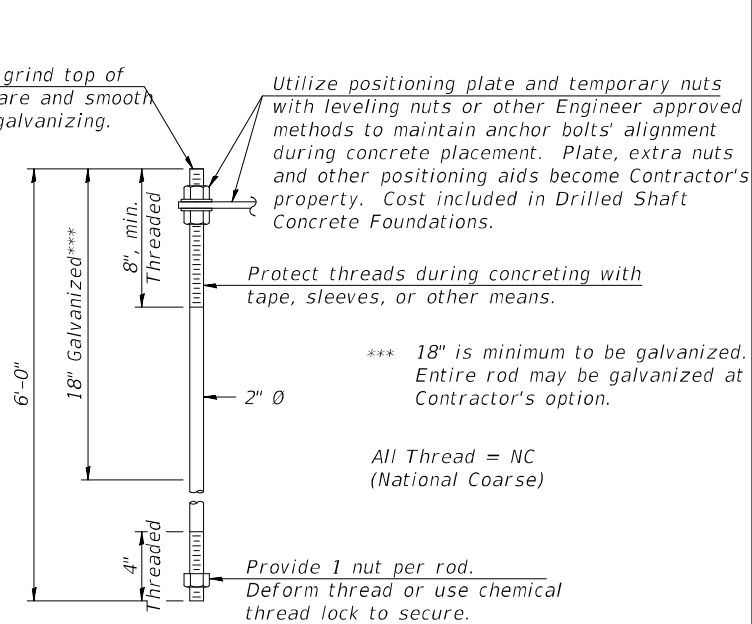
DETAIL A

Provide 8" x 4 1/2" cover. Outside corners = 2 1/4" radius. Provide 4-5/16" diameter holes in cover for 1/4" - 20 round head hot dip galvanized or stainless steel machine screws. (See cover details.)

\* Bent bars may be butt welded top and bottom or bottom only. In lieu of fabricated handhole frame as shown, may cut from 2" plate (rolling direction vertical). All cut faces to be ground to ANSI Roughness of 500µ in or less.

\*\* Butt welded joint in post is only allowed for post heights (H) over 20 ft. in length. If used, weld procedure must be preapproved by Engineer and joint shall receive 100% RT or UT (tension criteria) at Contractor's expense.

SUGGESTED POSITIONING PLATE



For UT, grind top of rod square and smooth before galvanizing.

Utilize positioning plate and temporary nuts with leveling nuts or other Engineer approved methods to maintain anchor bolts' alignment during concrete placement. Plate, extra nuts and other positioning aids become Contractor's property. Cost included in Drilled Shaft Concrete Foundations.

Protect threads during concreting with tape, sleeves, or other means.

\*\*\* 18" is minimum to be galvanized. Entire rod may be galvanized at Contractor's option.

All Thread = NC (National Coarse)

Provide 1 nut per rod. Deform thread or use chemical thread lock to secure.

ANCHOR ROD DETAIL

Anchor rods shall conform to ASTM F1554 Grade 105. Galvanize the upper 18" (minimum) and associated AASHTO M291, Grade A, C or DH heavy hex nuts and hardened washers per AASHTO M232. No welding shall be permitted on rods. Provide a nut at bottom, a hexagon locknut and washer above base plate and a leveling nut and washer below base plate. Nuts shall each be tightened with 200 lb.-ft. minimum torque against base plate. Before or after threading, but before galvanizing, each anchor rod shall be ultrasonically tested (UT) by a Level II or III inspector, qualified in accord with ANSI guidelines, to insure no rejectable flaws exist in the upper 18" (tension criteria). Cost of testing included in Drilled Shaft Concrete Foundations.

Structure Number	Station	H
1C0221055L270.8	274+96.06	20.57'
1C0221055R271.0	279+83.14	20.57'

Note: "H" based on 15'-0" or actual sign height, whichever is greater.

SIDE ELEVATION

OSC-A-5

2-17-2017

TYLIN INTERNATIONAL  
200 S. WACKER DR.  
SUITE 1400  
CHICAGO, IL 60606  
TEL: 312-777-2900

USER NAME	DESIGNED	REVISIONS
mgormely	MPG	-
	MPG	-
	KRP	-
		-
		-

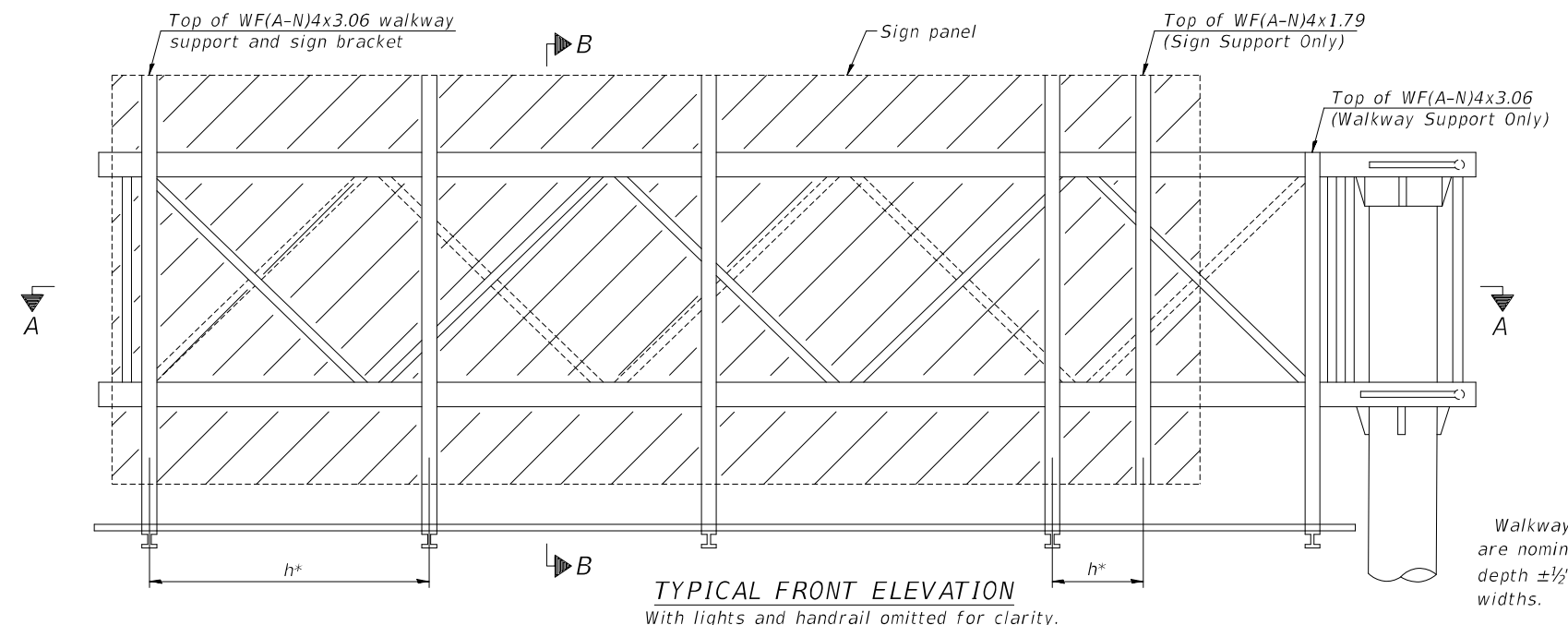
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD  
IDOT STANDARD SIGN DETAIL OSC-A-5

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	153
CONTRACT NO. 62G39				
ILLINOIS FED. AID PROJECT: NHP-PR24(873)				

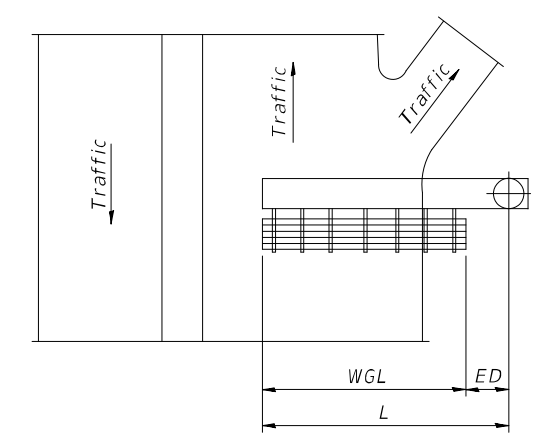
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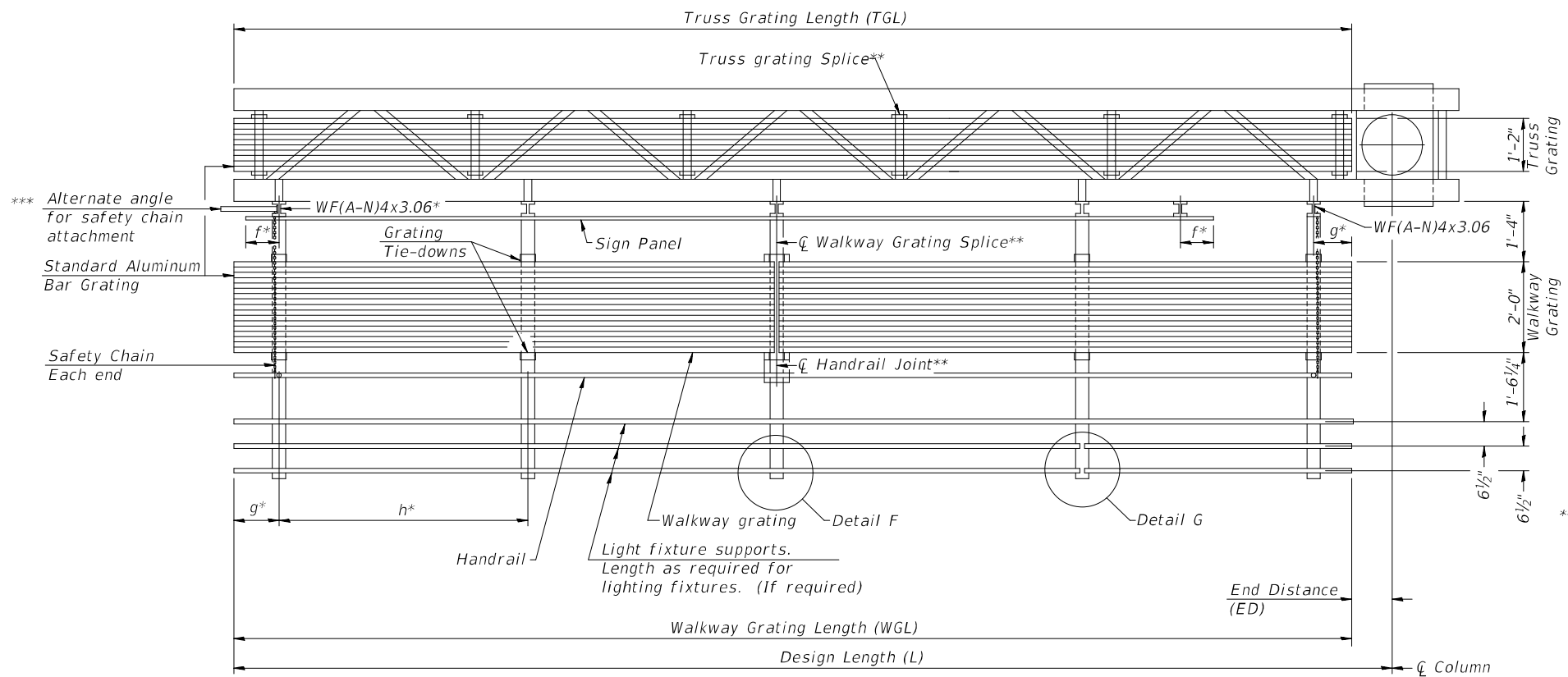


**TYPICAL FRONT ELEVATION**  
With lights and handrail omitted for clarity.

Walkway and truss grating dimensions are nominal and may vary (width ±1/2", depth ±1/2") based on available standard widths.



**PLAN**  
**WALKWAY AND HANDRAIL SKETCH**  
(Road plan beneath truss varies)



**SECTION A-A**

Truss grating to facilitate inspection shall run full length of cantilevers. Cost of truss grating is included in Overhead Sign Structure Cantilever.

Handrail and walkway grating shall span a minimum of three brackets between splices.  
\*\* Use and location of handrail joints or grating splices are optional, based on lengths needed and material availability.

$$TGL = L - \left( \frac{\text{Post O.D.}}{2} + 6'' \right)$$

Structure Number	Station	WGL	ED	TGL
1C0221055L270.8	274+96.06	N/A	N/A	N/A
1C0221055R271.0	279+83.14	N/A	N/A	N/A

Notes:  
Space walkway brackets WF(A-N)4x3.06 and sign brackets WF(A-N)4x1.79 for efficiency and within limits shown:  
\* f = 12" maximum, 4" minimum (End of sign to center of nearest bracket)  
\* g = 12" maximum, 4" minimum (End of walkway to center of nearest bracket)  
\* h = 6'-0" maximum (center to center sign and/or walkway support brackets, WF(A-N)4x1.79 or WF(A-N)4x3.06)  
\*\*\* If walkway bracket at safety chain location is behind sign, add angle to bracket. See alternate safety chain attachment on base sheet OSC-A-8  
For details of sign placement, sign/walkway brackets, truss and walkway gratings, grating splices and Section B-B, see Base Sheet OSC-A-7.  
For details of handrail, handrail joint, safety chain and Details F and G, see Base Sheet OSC-A-8.

**BRACKET TABLE**

Sign Width		Number Brackets Required
Greater Than	Less Than or Equal To	
8'-0"	14'-0"	2
14'-0"	20'-0"	3
20'-0"	26'-0"	4
26'-0"	32'-0"	5
		6

**\* NO WALKWAY OR LIGHT FIXTURES IN THIS CONTRACT DETAIL INCLUDED FOR INTERNAL TRUSS GRATING ONLY**

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OSC-A-6

2-17-2017

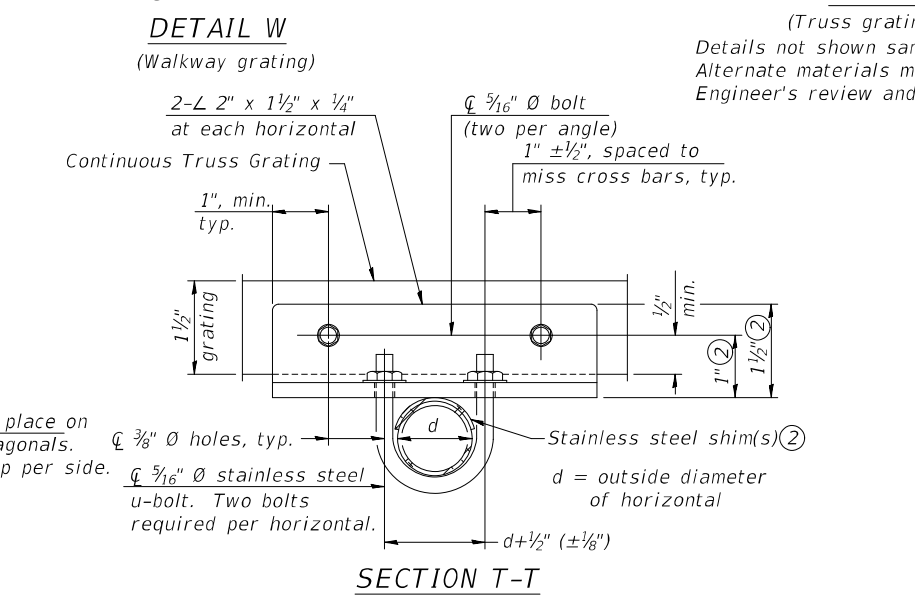
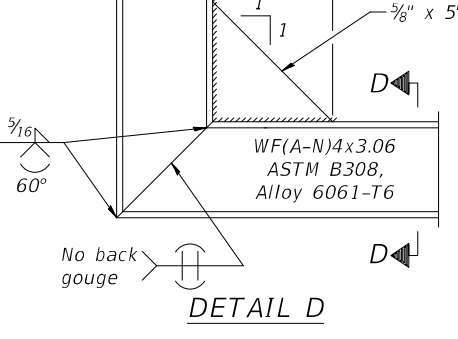
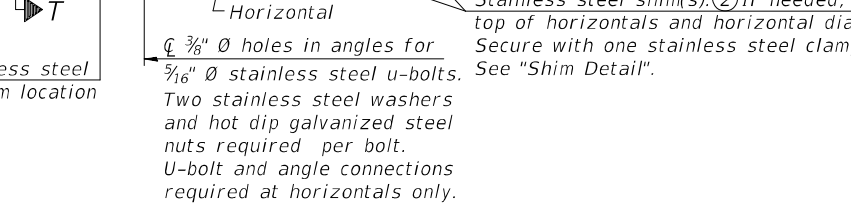
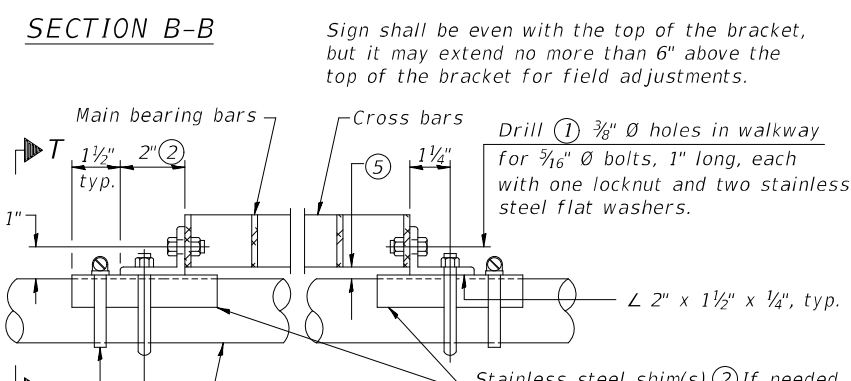
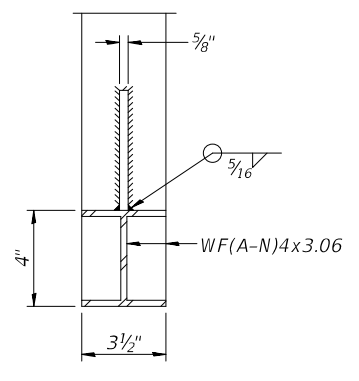
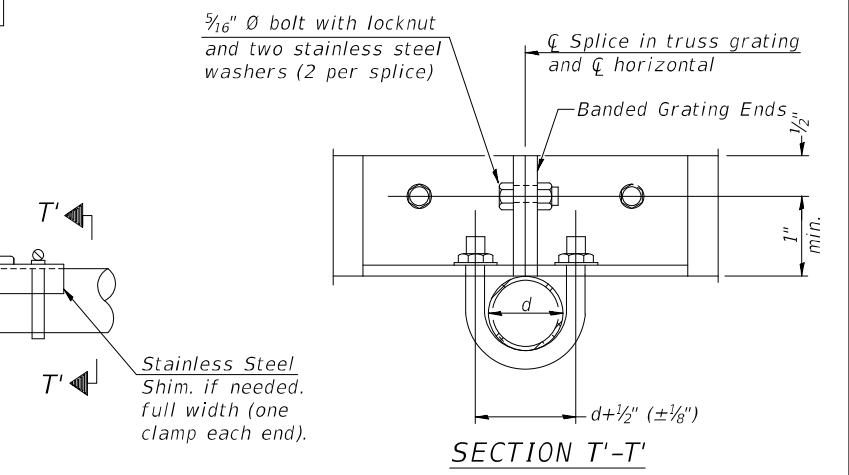
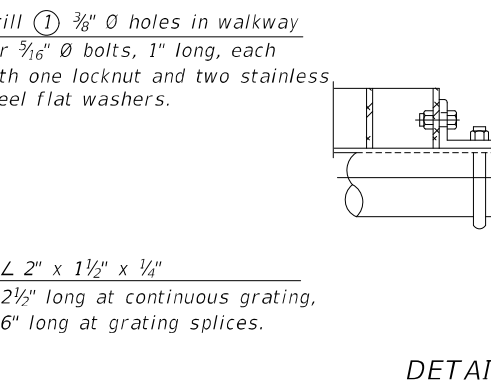
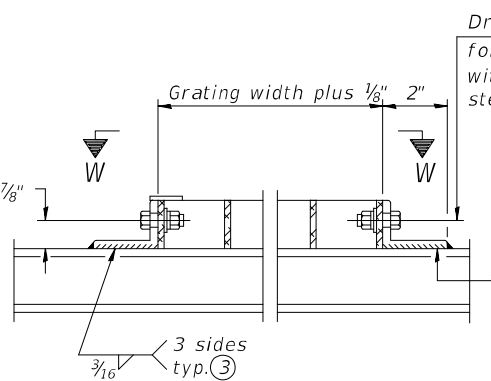
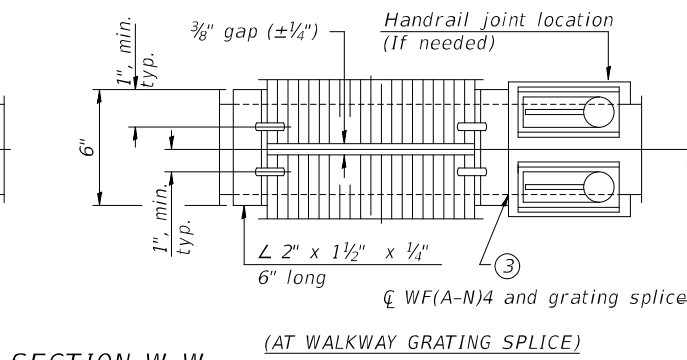
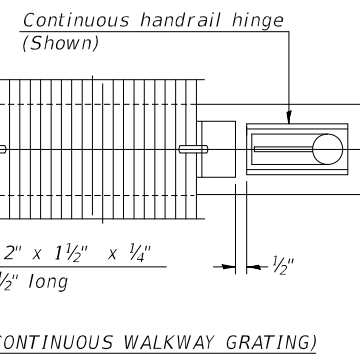
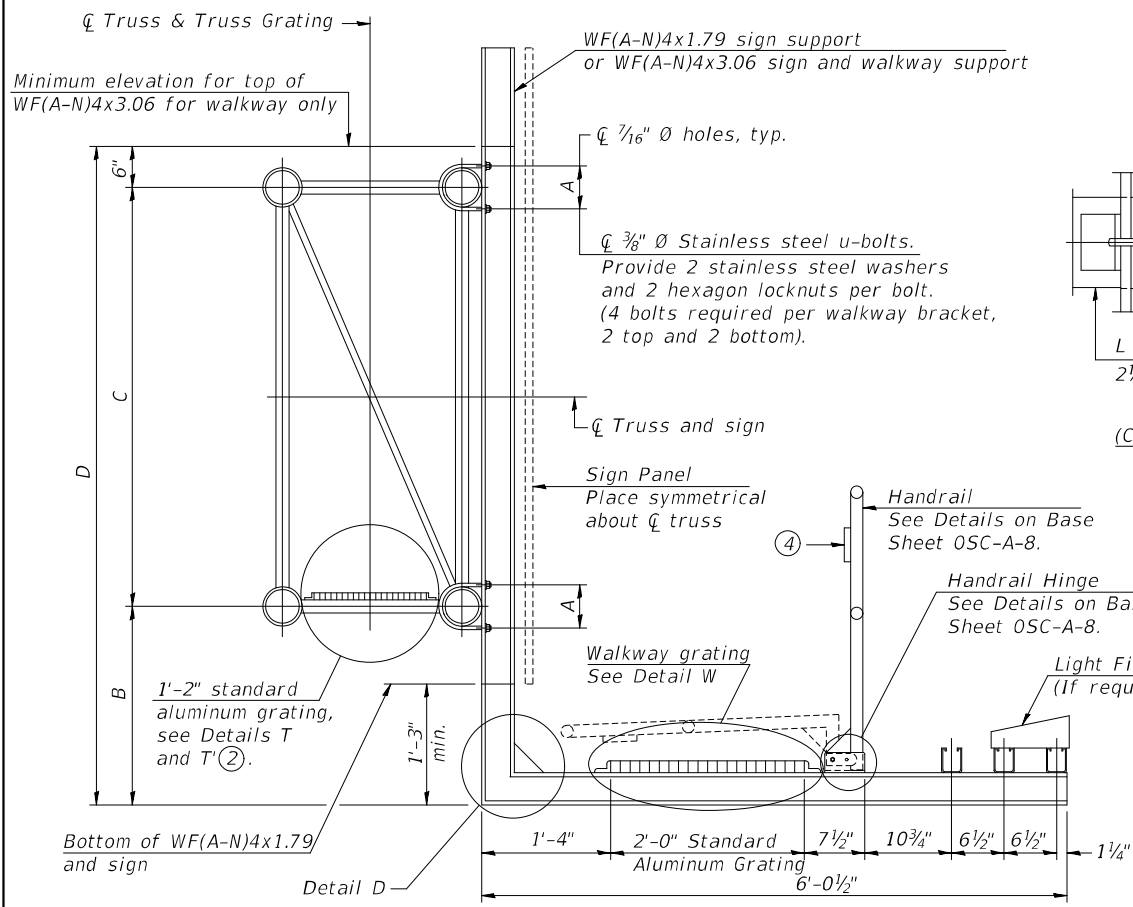
**TYLIN INTERNATIONAL**  
200 S. WACKER DR.  
SUITE 1400  
CHICAGO, IL 60606  
TEL: 312-777-2900

USER NAME = mgormely	DESIGNED - MPG	REVISED -
PLOT SCALE = 2,0000' / in.	DRAWN - MPG	REVISED -
PLOT DATE = 1/27/2021	CHECKED - KRP	REVISED -
	DATE - 1/29/2021	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD**  
**IDOT STANDARD SIGN DETAIL OSC-A-6**  
SCALE: NONE SHEET 5 OF 10 SHEETS STA. N/A TO STA. N/A

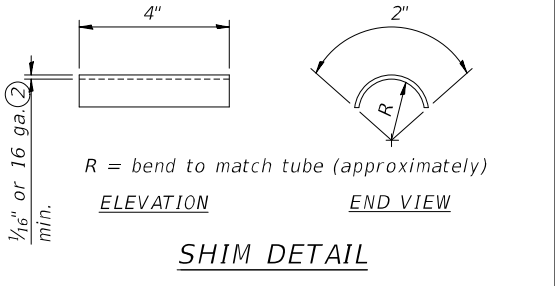
F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	154
CONTRACT NO. 62G39				
ILLINOIS FED. AID PROJECT: NHP-PR24(873)				



**SPECIFICATIONS FOR STANDARD ALUMINUM GRATING**  
 Main Bearing Bars (MBB) shall be 3/16" x 1 1/2" on 1 1/16" centers and conform to ASTM B211 Alloy 6061-T6.  
 Cross bars (CB) shall be 3/16" x 1 1/2" on 4" centers and conform to ASTM B221 Alloy 6063-T5 or 6061-T6.

OR  
 Aluminum Grating with modified "t" sections for main bearing bars shall meet the following requirements:  
 Main bars shall conform to ASTM B221 Alloy 6061-T6 and have a minimum section modulus equal to 0.0705 in.<sup>3</sup> per bar, a depth of 1 1/2", spaced on 1 1/16" centers.  
 Cross bars shall conform to ASTM B221 Alloy 6063-T5 or T-42 and spaced on 4" centers.

DETAIL T' (Truss grating splice)  
 Details not shown same as Detail T.  
 Alternate materials may be used subject to the Engineer's review and approval.



- ① Drilling holes in grating may be done in shop or field, based on Contractor's preference and subject to accurate alignment.
- ② Stainless steel shims shall be placed as shown in Detail T if needed to compensate for alignment variations between horizontal and diagonal pipes beyond adjustment provided by angles. Thicker shims may be used subject to shims performing properly.
- ③ If Handrail Joint present, weld angle to WF(A-N)4 and 1/4" extension bars. (See Base Sheet OSC-A-8.)
- ④ 1/8" x 1/2" x 2" welded to handrail posts to protect locations that contact grating.
- ⑤ Tube to grating gap may vary from 0 to 1/2", max. to align walkway, allow for camber, etc.
- ⑥ Based on actual sign height, Ds, given on OSC-A-1.

Structure Number	Station	A	⑥ B	C	⑥ D
1C0221055L270.8	274+96.06	N/A	N/A	N/A	N/A
1C0221055R271.0	279+83.14	N/A	N/A	N/A	N/A

**\* NO WALKWAY OR LIGHT FIXTURES IN THIS CONTRACT DETAIL INCLUDED FOR INTERNAL TRUSS GRATING ONLY**

MODEL: D:\p\tylin\... FILE NAME: D:\EG39-att-SignStruct06.dgn

OSC-A-7  
 2-17-2017  
**TYLIN INTERNATIONAL**  
 200 S. WACKER DR.  
 SUITE 1400  
 CHICAGO, IL 60606  
 TEL: 312-777-2900

USER NAME = mgormely	DESIGNED - MPG	REVISED -
PLOT SCALE = 2,000' / in.	DRAWN - MPG	REVISED -
PLOT DATE = 1/27/2021	CHECKED - KRP	REVISED -
	DATE - 1/29/2021	REVISED -

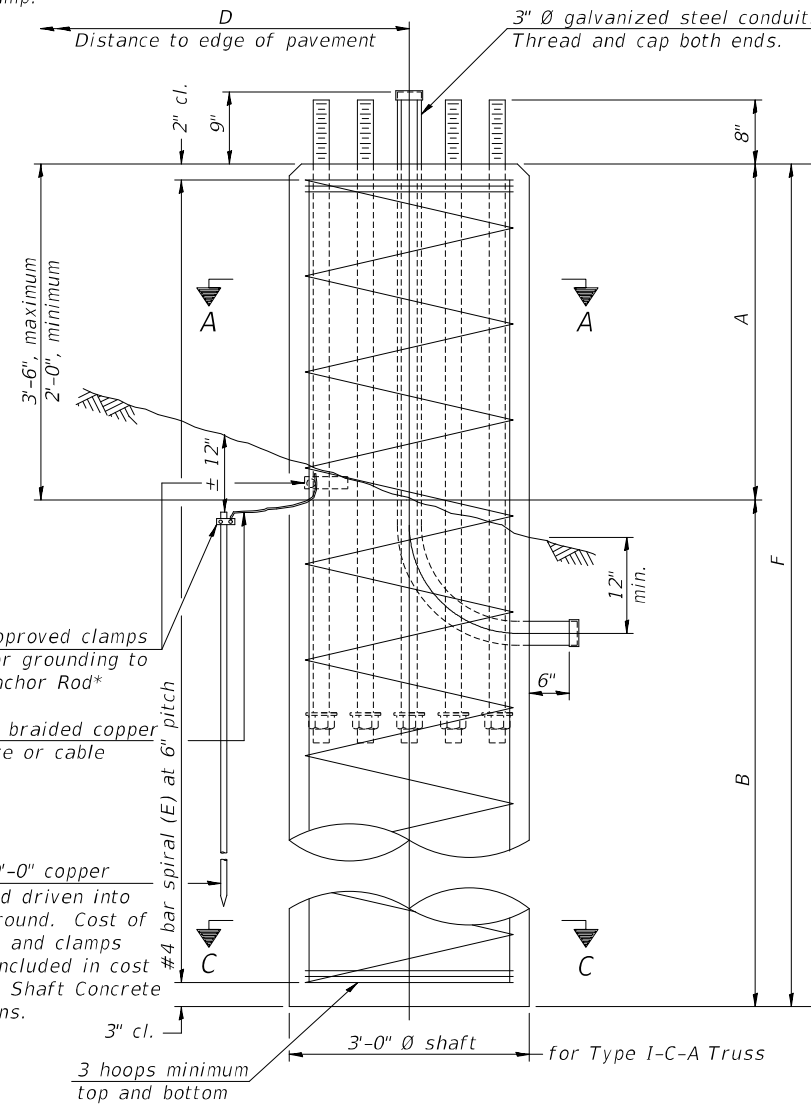
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD  
 IDOT STANDARD SIGN DETAIL OSC-A-7**

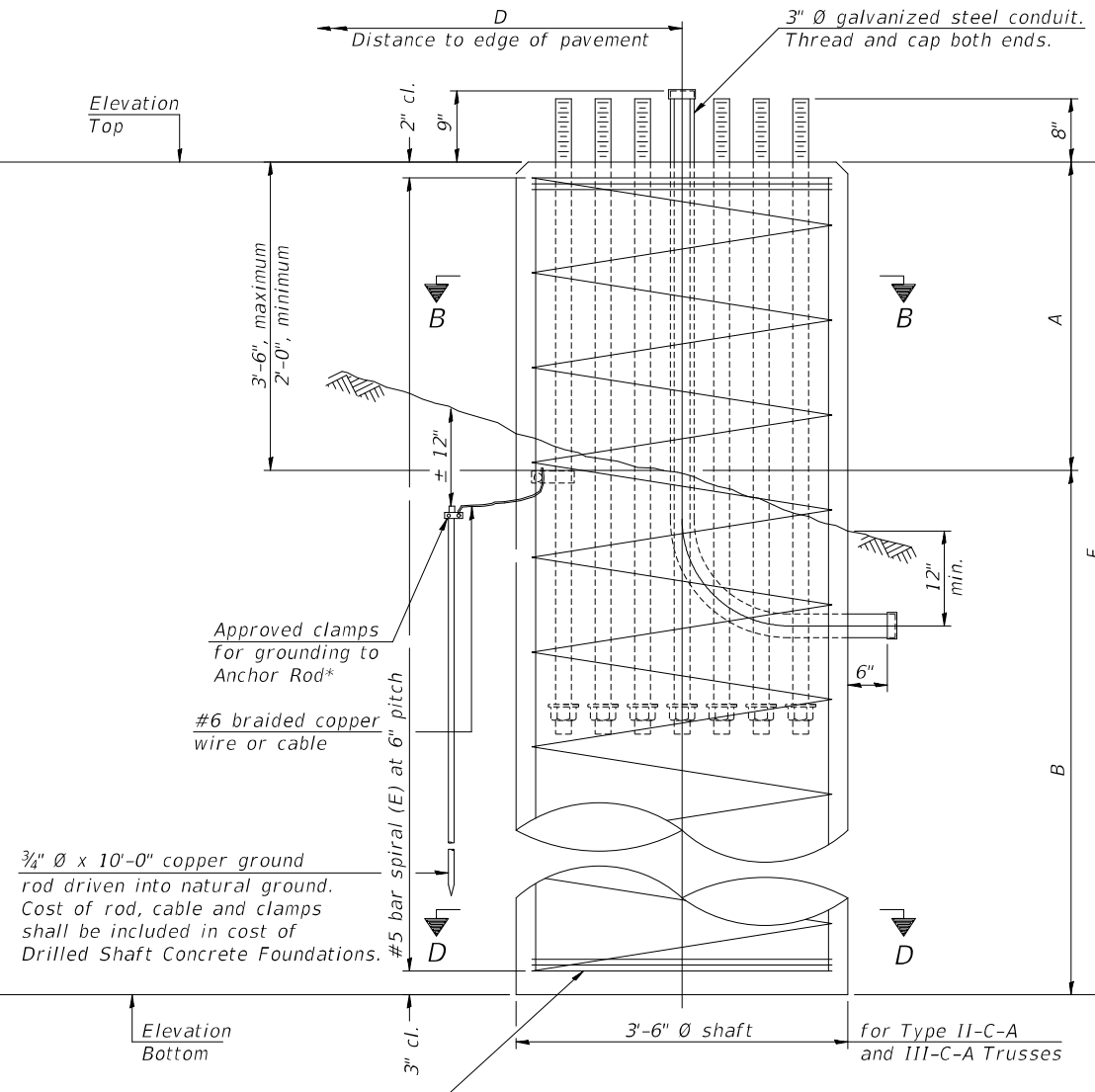
F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	155
CONTRACT NO. 62G39				
ILLINOIS FED. AID PROJECT: NHP-PR24(873)				

SCALE: NONE SHEET 6 OF 10 SHEETS STA. N/A TO STA. N/A

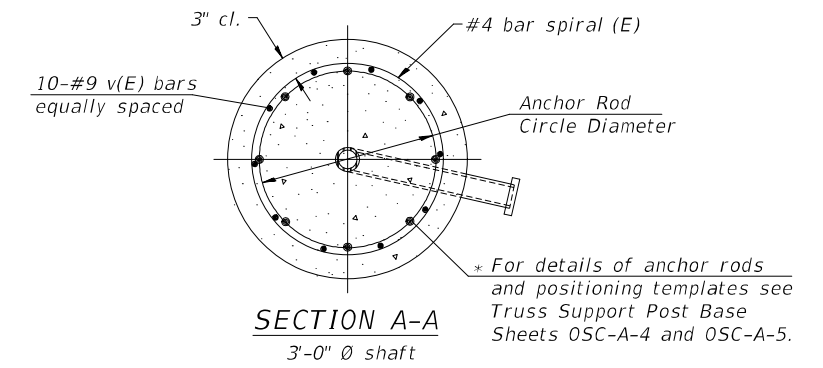
\* Grind anchor rod to bright finish at ground clamp location before installing clamp.



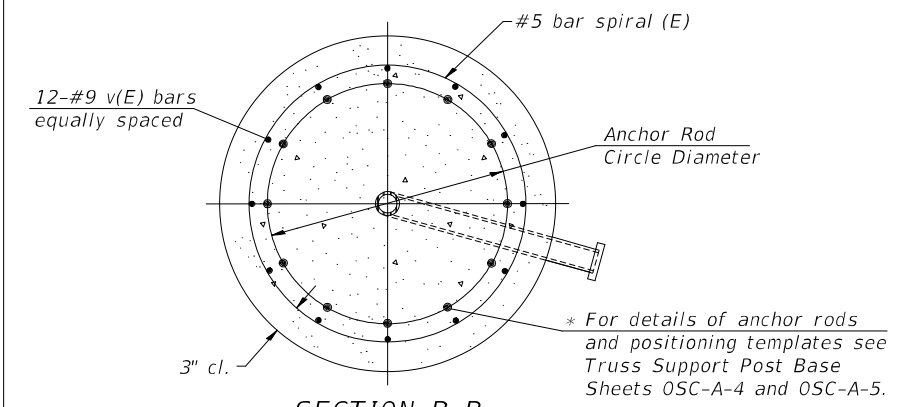
ELEVATION



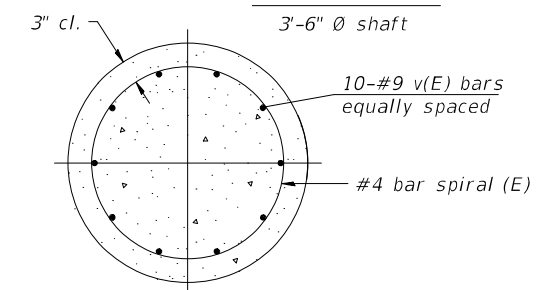
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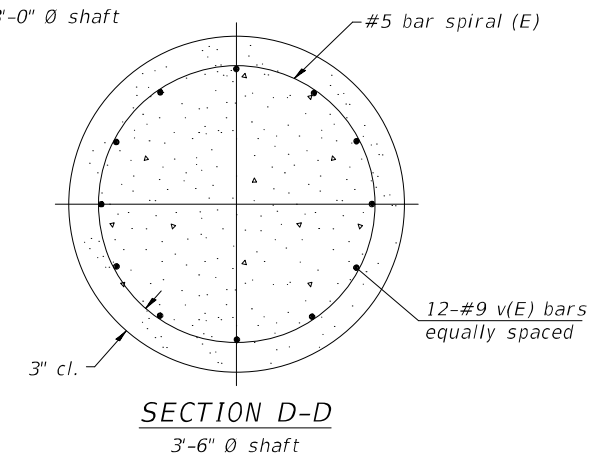
SECTION A-A  
3'-0" shaft



SECTION B-B  
3'-6" shaft



SECTION C-C  
3'-0" shaft



SECTION D-D  
3'-6" shaft

NOTES:

The foundation dimensions shown in the Foundation Design Table are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength ( $Q_u$ ) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown in the Foundation Data Table will be the result of site specific designs.

If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.

No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.

Concrete shall be placed monolithically, without construction joints.

Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.

A normal surface finish followed by a Concrete Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in "Drilled Shaft Concrete Foundation".

Truss Type	Post Base Sheet	Maximum Cantilever Length (ft)	Maximum Total Sign Area (sq ft)	Shaft Diameter (in)	"B" Depth (ft)	Anchor Rods		Anchor Rod Circle Diameter (in)
						No.	Diameter (in)	
I-C-A	OSC-A-4	25	170	3.0	16.0	8	2	22
II-C-A	OSC-A-5	30	170	3.5	17.0	12	2	30
II-C-A	OSC-A-5	30	340	3.5	21.5	12	2	30
III-C-A	OSC-A-5	35	170	3.5	19.0	12	2	30
III-C-A	OSC-A-5	35	250	3.5	22.5	12	2	30
III-C-A	OSC-A-5	35	400	3.5	26.5	12	2	30
III-C-A	OSC-A-5	40	400	3.5	32.0	12	2	30

Structure Number	Station	Truss Type	Shaft Diameter	Elevation Top	Elevation Bottom	$Q_u$	A	B	F	Class DS Concrete Cubic Yards
1C0221055L270.8	274+96.06	II-C-A	3.5	775.24	754.74	1.25*	3.5	17.0	20.5	7.3
1C0221055R271.0	279+83.14	II-C-A	3.5	775.22	754.72	1.25*	3.5	17.0	20.5	7.3

\* CONTRACTOR SHALL COMPACT PROPOSED FILL MATERIAL TO 1.25 TSF MIN.

OSC-A-9

2-17-2017

**TYLIN INTERNATIONAL**  
200 S. WACKER DR.  
SUITE 1400  
CHICAGO, IL 60606  
TEL: 312-777-2900

USER NAME = mgormely	DESIGNED - MPG	REVISED -
PLOT SCALE = 2,000' / in.	DRAWN - MPG	REVISED -
PLOT DATE = 1/27/2021	CHECKED - KRP	REVISED -
	DATE - 1/29/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

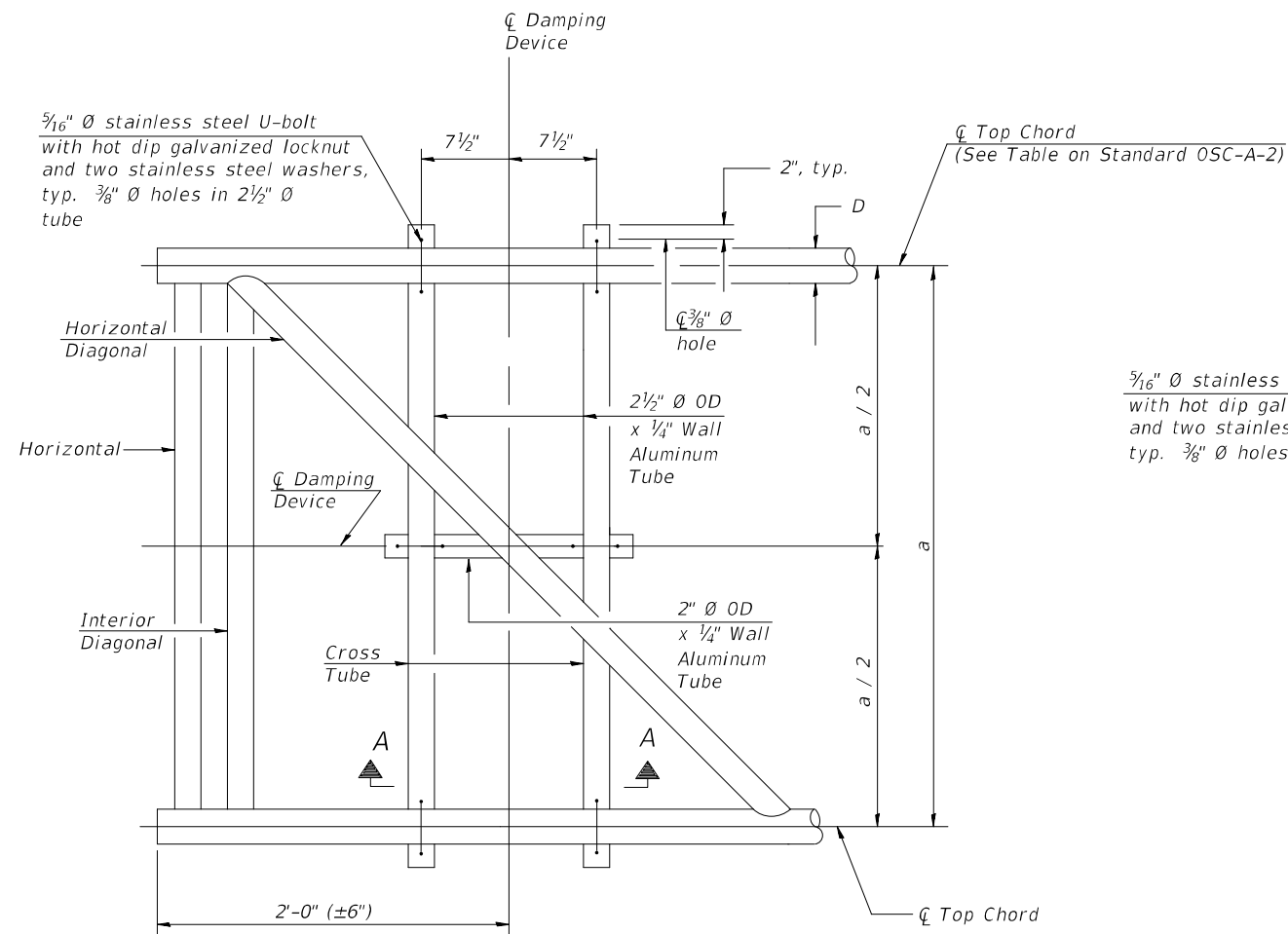
**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD  
IDOT STANDARD SIGN DETAIL OSC-A-9**

SCALE: NONE SHEET 7 OF 10 SHEETS STA. N/A TO STA. N/A

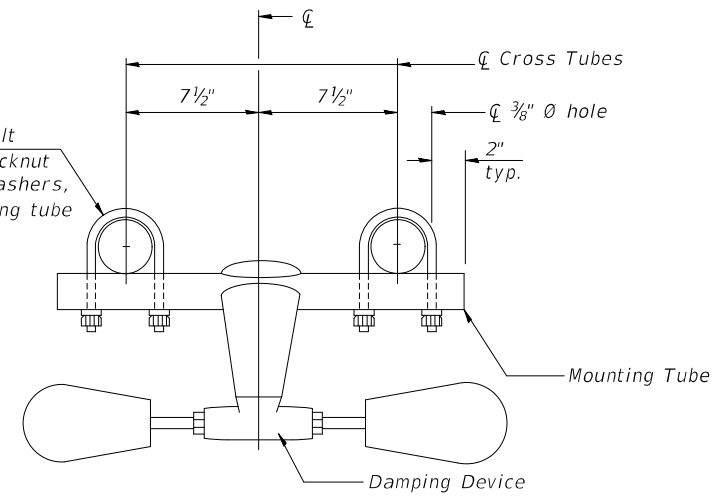
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55	22-36HB-1	DUPAGE	333	156
CONTRACT NO. 62G39				
ILLINOIS FED. AID PROJECT: NHP-PR24(873)				

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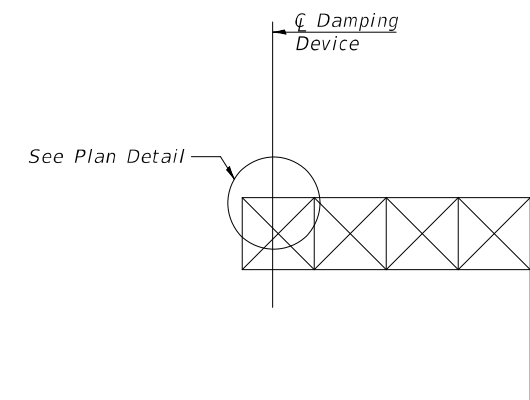




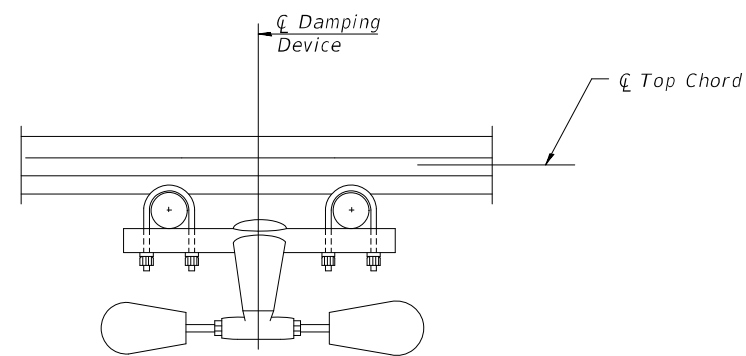
PLAN DETAIL



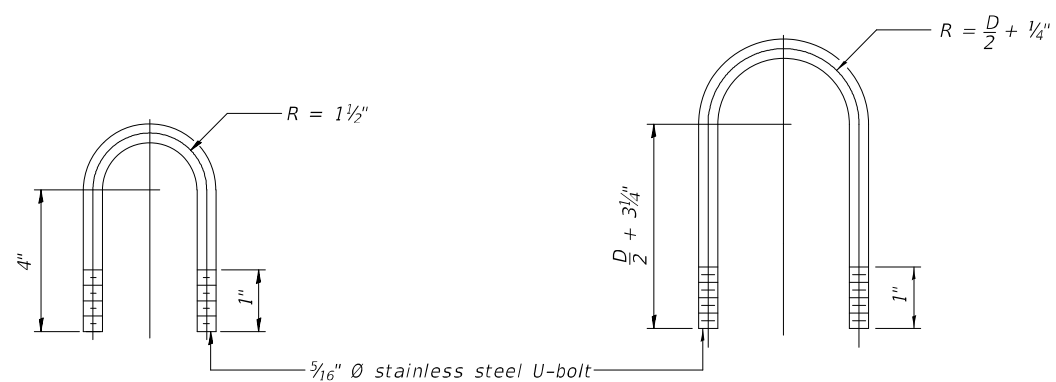
TRUSS DAMPING DEVICE CONNECTION DETAIL



ELEVATION  
Aluminum Cantilever Sign Structure



SECTION A-A



DAMPING DEVICE MOUNTING TUBE U-BOLT DETAIL  
(Typical)

TOP CHORD TO CROSS TUBE U-BOLT DETAIL  
(Typical)

GENERAL NOTES

- Damper: One damper per truss. (31 lbs. Stockbridge-Type Aluminum-29" minimum between ends of weights)
- Materials: Aluminum tubes shall be ASTM B221 alloy 6061 temper T6

MODEL: D:\64bit\TYLIN\62G39-Int-SignStruct08.dgn

OSC-A-D

2-17-2017

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CHICAGO, IL 60606  
TEL: 312-777-2900

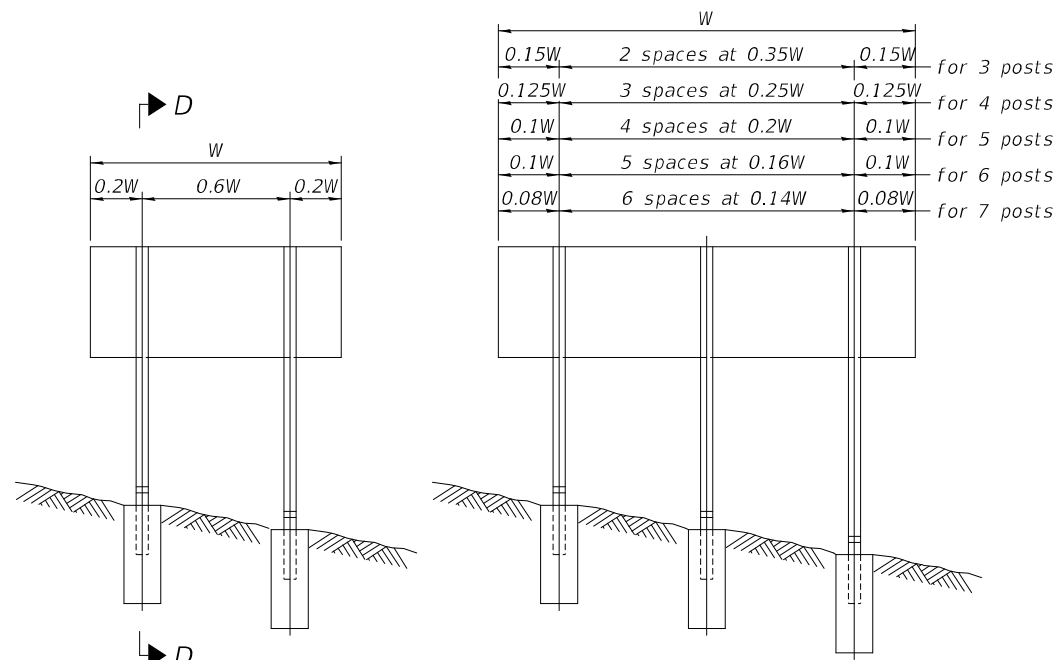
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PLOT DATE = 1/27/2021	CHECKED - KRP	REVISED -
	DATE - 1/29/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD  
IDOT STANDARD SIGN DETAIL OSC-A-D**

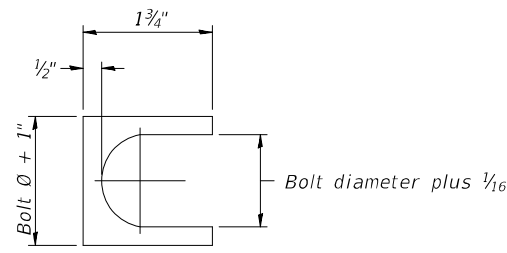
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F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	157
			CONTRACT NO. 62G39	
ILLINOIS FED. AID PROJECT: NHPP-PR24(873)				



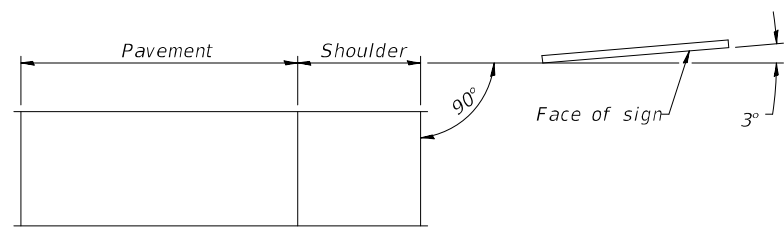
$0.15W$	2 spaces at $0.35W$	$0.15W$	for 3 posts
$0.125W$	3 spaces at $0.25W$	$0.125W$	for 4 posts
$0.1W$	4 spaces at $0.2W$	$0.1W$	for 5 posts
$0.1W$	5 spaces at $0.16W$	$0.1W$	for 6 posts
$0.08W$	6 spaces at $0.14W$	$0.08W$	for 7 posts

ELEVATION

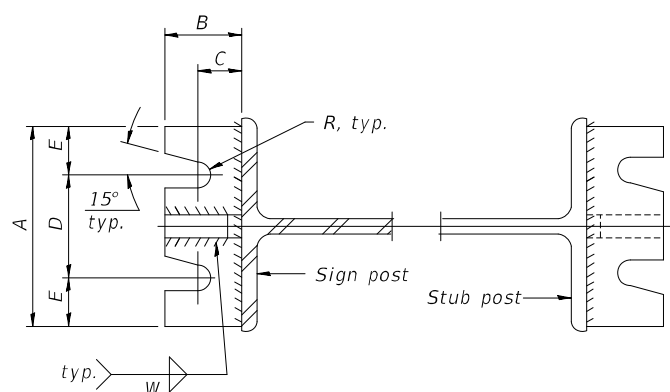


SHIM DETAIL

Furnish two 0.01" thick and two 0.03" thick stainless steel or brass (ASTM B36) shims per post.

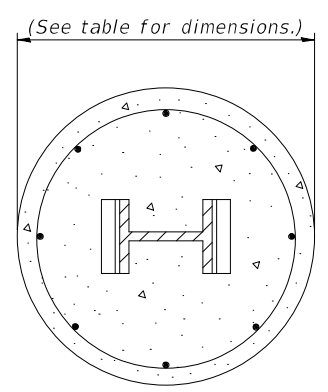


LOCATION SKETCH

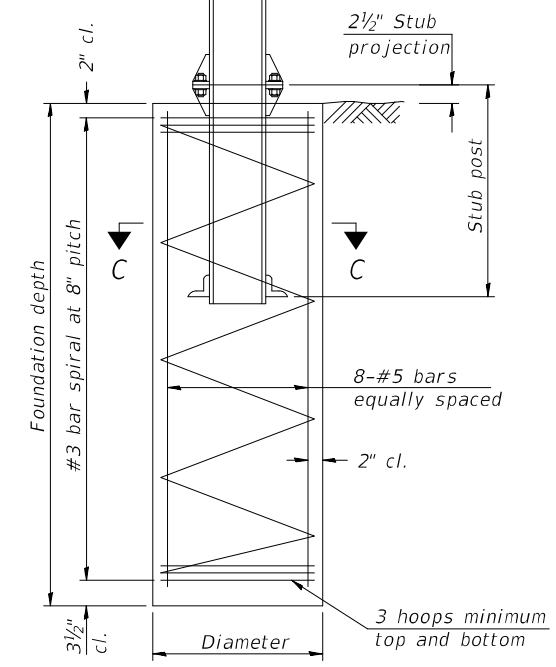


SECTION A-A

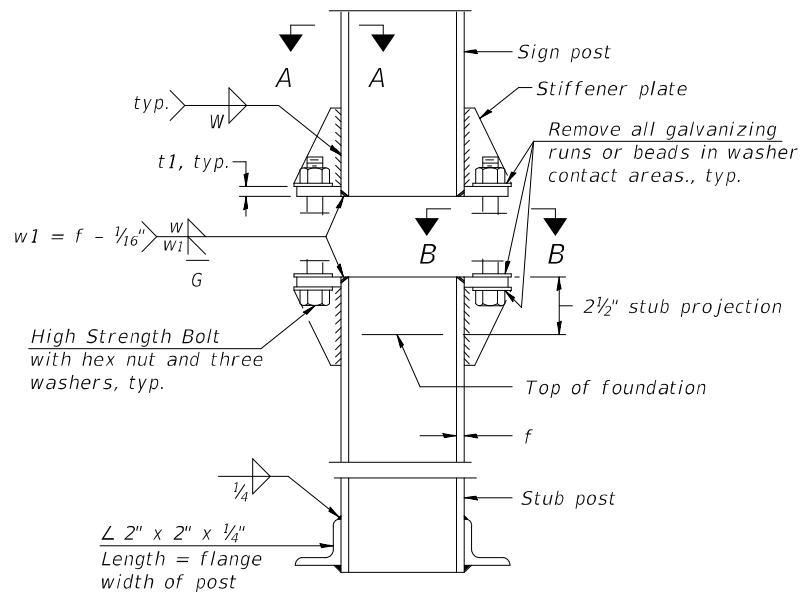
SECTION B-B



SECTION C-C



SECTION D-D



ELEVATION SIGN POST & STUB POST

MODEL: D:\cadd\...  
**TYLIN INTERNATIONAL**  
 200 S. WACKER DR.  
 SUITE 1400  
 CHICAGO, IL 60606  
 TEL: 312-777-2900

2-17-2017

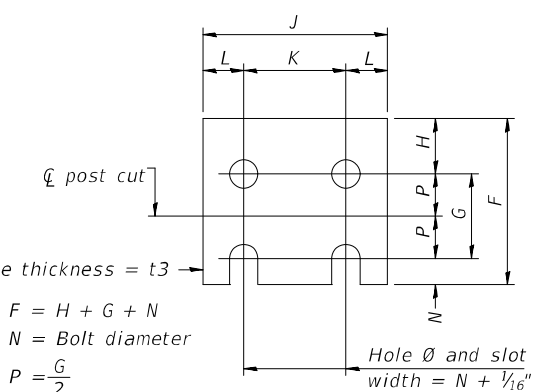
USER NAME = mgormely	DESIGNED - MPG	REVISED -
PLOT SCALE = 2,0000' / in.	DRAWN - MPG	REVISED -
PLOT DATE = 1/27/2021	CHECKED - KRP	REVISED -
	DATE - 1/29/2021	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD**  
**IDOT STANDARD SIGN DETAIL BAW-A-1**

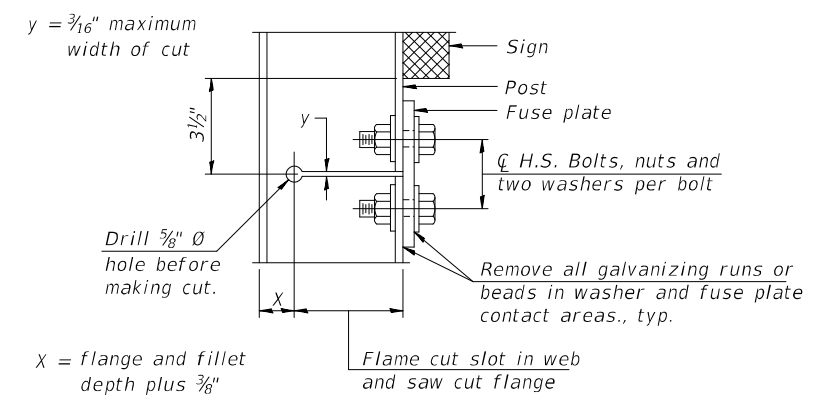
SCALE: NONE SHEET 9 OF 10 SHEETS STA. N/A TO STA. N/A

F.A.1 RTE. = 55	SECTION = 22-36HB-1	COUNTY = DUPAGE	TOTAL SHEETS = 333	SHEET NO. = 158
CONTRACT NO. 62G39			ILLINOIS FED. AID PROJECT: NHP-PR24(873)	

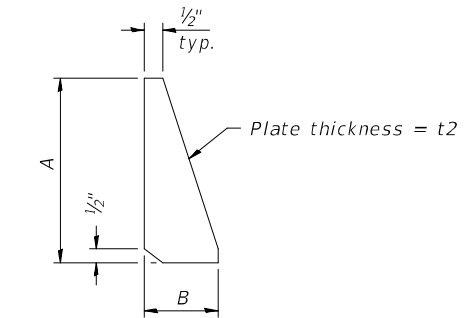


FUSE PLATE DETAIL  
 (Install with notches down.)

N = Bolt Diameter	G	H
1/2"	2"	1 1/8"
5/8"	2 1/4"	1 1/4"
3/4"	2 1/2"	1 3/8"
7/8"	2 3/4"	1 1/2"
1"	3"	1 5/8"
1 1/8"	3 1/4"	1 3/4"
1 1/4"	3 1/2"	1 7/8"



DETAIL H



STIFFENER PLATE DETAIL

**GENERAL NOTES**

Posts shall be plumbed by using shims with post-to-stub post connection bolts snug tight only. Final tightening of all High Strength Bolts shall be in accordance with Article 727.05 and threads at the junction of the bolt and nut shall be burred or center punched to prevent the nut from loosening.

LOADING: 80 m.p.h. wind with 30% gust factor, normal to sign.

DESIGN STRESSES:  
 Structural steel - 20,000 p.s.i.  
 Reinforcing steel - 20,000 p.s.i.  
 Concrete - 1,400 p.s.i.  
 Footing soil pressure - 2,000 p.s.f.

After fabrication, the post, fuse plate and upper 6", min. of the stub post shall be hot-dip galvanized in accordance with AASHTO M111. All bolts, nuts and washers shall be hot-dip galvanized in accordance with AASHTO M232.

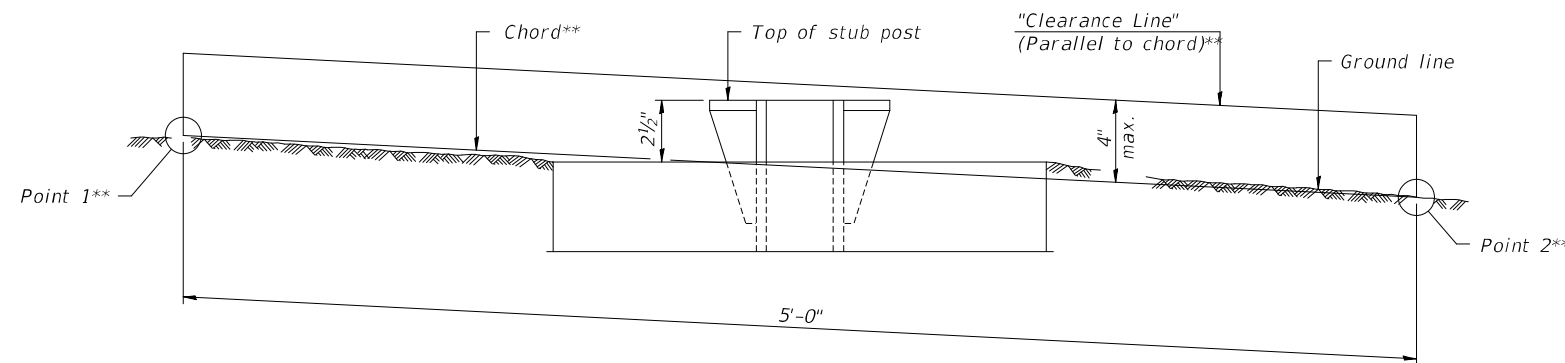
Work this sheet with Base Sheet BAW-A-2.

(Sheet 1 of 2)

POST	CONCRETE FOUNDATION TABLE							POST TO STUB POST CONNECTION DATA								FUSE PLATE DATA						
	Foundation			Reinforcement			Stub Post Length	Bolt Size	A	B	C	D	E	t1	t2	R	W	J	K	L	t3	
	Diameter*	Minimum Depth	Concrete <sup>(1)</sup> cu. yds.)	Vertical Bars Length	Bar Spirals Diameter	Bar Spirals Length																lbs. <sup>(2)</sup>
W6x9	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-3"	5/8" x 3 1/4"	6"	2 1/4"	1 1/4"	3 1/2"	1 1/4"	3/4"	1/2"	1 1/32"	1/4"	4"	2 1/4"	7/8"	1/4"
W6x15	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-6"	5/8" x 3 1/4"	6"	2 1/4"	1 1/4"	3 1/2"	1 1/4"	3/4"	1/2"	1 1/32"	1/4"	6"	3 1/2"	1 1/4"	3/8"
W8x18	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-6"	3/4" x 3 3/4"	6"	2 1/2"	1 3/8"	3 1/4"	1 3/8"	1"	1/2"	1 3/32"	5/16"	5 1/4"	2 3/4"	1 1/4"	3/8"
W10x22	2'-6"	6'-6"	1.18	6'-3"	2'-2 1/2"	105'-0"	92	3'-0"	3/4" x 3 3/4"	6"	2 1/2"	1 3/8"	3 1/4"	1 3/8"	1"	1/2"	1 3/32"	5/16"	5 3/4"	2 3/4"	1 1/2"	1/2"
W10x26	2'-6"	7'-0"	1.27	6'-9"	2'-2 1/2"	112'-0"	98	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	1 5/32"	3/8"	5 3/4"	2 3/4"	1 1/2"	5/8"
W12x26	2'-6"	7'-9"	1.41	7'-6"	2'-2 1/2"	119'-0"	107	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	1 5/32"	3/8"	6 1/2"	3 1/2"	1 1/2"	5/8"
W14x30	3'-0"	7'-3"	1.90	7'-0"	2'-8 1/2"	145'-0"	113	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	1 5/32"	3/8"	6 3/4"	3 1/2"	1 5/8"	1/2"
W14x38	3'-0"	8'-0"	2.09	7'-9"	2'-8 1/2"	153'-0"	122	3'-6"	1" x 4 1/2"	7 1/2"	3"	1 3/4"	4"	1 3/4"	1 1/4"	3/4"	1 7/32"	3/8"	6 3/4"	3 1/2"	1 5/8"	1/2"
W16x45	3'-0"	8'-6"	2.23	8'-3"	2'-8 1/2"	162'-0"	130	3'-6"	1" x 4 1/2"	7 1/2"	3"	1 3/4"	4"	1 3/4"	1 1/4"	3/4"	1 7/32"	3/8"	7"	3 1/2"	1 3/4"	1/2"

\*Dimensional changes required for varying site conditions shall be approved by the Engineer.

POST	FUSE PLATE BOLT SIZE																				
	Sign Height																				
	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"	22'-0"	23'-0"	24'-0"
W6x9	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
W6x15	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	5/8" x 2"	5/8" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	—	—	—	—	—	—	—	—	—	—	—
W8x18	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	5/8" x 2"	5/8" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	—	—	—	—	—	—	—	—	—	—	—
W10x22	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2"	5/8" x 2"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	—	—	—	—	—	—	—	—
W10x26	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	—	—	—	—	—	—	—
W12x26	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	—	—	—	—	—	—
W14x30	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2"	5/8" x 2"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	—	—	—	—	—
W14x38	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"
W16x45	—	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"



ELEVATION  
GROUND LINE & STUB POST

\*\* For all "Point 1" and "Point 2" locations, "Clearance Line" must be at or above top of stub post.

- ① Quantity includes all concrete necessary for one foundation.
- ② Includes reinforcement bars and spiral hooping for one foundation.

MODEL: D:\64bit\TYLIN\B39-41-51mStruct10.dgn  
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**BAW-A-2**  
2-17-2017  
**TYLIN INTERNATIONAL**  
200 S. WACKER DR.  
SUITE 1400  
CHICAGO, IL 60606  
TEL: 312-777-2900

USER NAME = mgormely	DESIGNED - MPG	REVISED -
PLOT SCALE = 2,000' / in.	DRAWN - MPG	REVISED -
PLOT DATE = 1/27/2021	CHECKED - KRP	REVISED -
	DATE - 1/29/2021	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

(Sheet 2 of 2)

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD**  
**IDOT STANDARD SIGN DETAIL BAW-A-2**  
SCALE: NONE SHEET 10 OF 10 SHEETS STA. N/A TO STA. N/A

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	159
CONTRACT NO. 62G39				
ILLINOIS FED. AID PROJECT: NHP-PR24(873)				

**GENERAL NOTES:**

- ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST CODES, STANDARDS, AND THE IDOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED ON APRIL 2016, AND SUPPLEMENT SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS ADOPTED ON JAN 1, 2020.
- THE CONTRACTOR MUST VERIFY ALL OF THE INFORMATION SHOWN ON THE CONTRACT PLANS WHICH COULD AFFECT HIS WORK UNDER THIS CONTRACT FOR OPERATION OF THE EXISTING ROADWAY LIGHTING SYSTEM.
- NO MATERIAL OR EQUIPMENT SHALL BE DELIVERED TO THE JOB SITE WITHOUT PRIOR INSPECTION AND APPROVAL BY THE ENGINEER. ANY MATERIAL AND EQUIPMENT NOT APPROVED BY THE ENGINEER MUST BE REMOVED FROM JOB SITE AT THE CONTRACTOR'S EXPENSE.
- ALL UNDERGROUND UNIT DUCT SHALL BE 30 INCHES MINIMUM BELOW GRADE PER IDOT SECTION 810. UNIT DUCT MUST BE POSITIONED IN THE FIELD TO AVOID CONFLICT WITH UNDERDRAINS, AND UNDERGROUND UTILITIES.
- ALL SPlicing MUST BE IN POLE BASES WITH WATERPROOF SEALANT AND HEAT SHRINKABLE PLASTIC CAPS. UNLESS NOTED OTHERWISE.
- TEMPORARY SUPPORTS FOR EXISTING UTILITIES SHALL BE PROVIDED IF REQUIRED.
- NO LIGHTING CIRCUIT OR PORTION THEREOF SHALL BE REMOVED FROM NIGHT TIME OPERATION OF EXISTING LIGHTING WITHOUT THE APPROVAL OF THE ENGINEER. ALL EXISTING LIGHTING SHALL OPERATE FROM DUSK TO DAWN DAILY FOR DURATION OF THE PROJECT TO MAINTAIN ILLUMINATION OF TRAVELED ROADWAYS.
- EXISTING LIGHTING WILL REMAIN OPERATIONAL UNTIL PROPOSED LIGHTING POLES STARTS FUNCTIONING.
- SWITCHOVER OF CABLE CONNECTIONS TO PROPOSED LIGHT POLES FROM EXISTING POLES SHALL TAKE PLACE DURING DAY TIME.
- LIGHT POLE IDENTIFICATION LABEL SHALL BE PROVIDED AS PER ARTICLE 1069.06 TO THE PROPOSED LIGHT POLE.









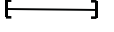
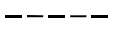
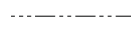
**REMOVAL NOTES:**

- LOCATIONS OF EXISTING LIGHT POLE SHOWN ON PLAN DRAWINGS ARE APPROXIMATE AND MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
- PRIOR TO SUBMITTING A BID, THE CONTRACTOR SHALL REVIEW THE CONTRACT DRAWINGS AND ASCERTAIN EXISTING SITE CONDITIONS TO VERIFY THE EXTENT OF DEMOLITION. FAILURE TO DO SO SHALL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR PERFORMING ALL REMOVAL REQUIRED IN THIS CONTRACT.
- COMMENCEMENT OF WORK SHALL BE CONSTRUED AS EVIDENCE THAT A CAREFUL EXAMINATION OF THE PORTIONS OF EXISTING FOUNDATIONS AND UNIT DUCT FOR THIS WORK AND ACCESS TO WORK SPACES, HAS BEEN MADE AND THAT THE CONTRACTOR IS FAMILIAR WITH EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT THE EXECUTION OF THE WORK. LATER CLAIMS SHALL NOT BE MADE FOR ADDITIONAL LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORSEEN DURING SUCH AN EXAMINATION.
- ALL SALVAGE EXISTING EQUIPMENT INCLUDING, LIGHT POLES, LUMINAIRES, MAST ARMS SHALL BE RETURNED TO STATE STOCK. THE CONTRACTOR SHALL CALL EMC AT (708) 524-2145 FOR MORE DETAILS AND DELIVERY PLACE.
- LOCATIONS SELECTED FOR COLLECTION OF DEBRIS AND/OR STORAGE OF EQUIPMENT SHALL BE AS APPROVED BY THE ENGINEER.

**CONTACT NOTES:**

- MEADE ELECTRIC CO. MAINTAINS IDOT ABOVEGROUND AND UNDERGROUND EQUIPMENT. BEFORE START OF ANY WORK, CALL MEADE ELECTRIC CO. AT 773-287-7672 FOR LOCATES AND FOR MAINTENANCE TRANSFERS.

**SYMBOL LEGEND:**

-  PROPOSED LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. MAST ARM METAL FOUNDATION, 10" X 8" LONG BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H, 4000 KELVIN LUMINAIRE SAFETY CABLE ASSEMBLY
-  PROPOSED LIGHT POLE, WALL MONTED, ALUMINUM, 47.5 FT. M.H., 6 FT. TWIN MAST ARM, 15 INCH BOLT CIRCLE, LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H, 4000 KELVIN, LUMINAIRE SAFETY CABLE ASSEMBLY
-  TEMPORARY LIGHT POLE, WOOD, 100 FT, CLASS 4, 15FT MAST ARM LUMINAIRE MOUNTING HEIGHT 87FT LUMINAIRE, LED, HIGHMAST, OUTPUT DESIGNATION J
-  REMOVE EXISTING LIGHTING UNIT
-  EXISTING LIGHT POLE TO REMAIN
-  JUNCTION BOX, SIZE AS PER PLAN
-  AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE
-  UNIT DUCT, 600V, 3-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE
-  UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
-  CONDUIT EMBEDDED IN STRUCTURE, 4" DIA., PVC
-  EXISTING UNIT DUCT

**ABBREVIATIONS:**

- E EXISTING TO REMAIN
- E.O.P. EDGE OF PAVEMENT
- EMC ELECTRICAL MAINTENANCE CONTRACT
- FT FEET OR FOOT
- GND GROUND
- JB JUNCTION BOX
- MA MAST ARM
- NO. NUMBER
- N.T.S. NOT TO SCALE
- P PROPOSED
- PVC POLYVINYL CHLORIDE
- RGS RIGID GALVANISED STEEL
- R REMOVE
- STA. STATION
- U.N.O. UNLESS NOTED OTHERWISE
- HPS HIGH PRESSURE SODIUM
- UC UNDERGROUND CONDUIT

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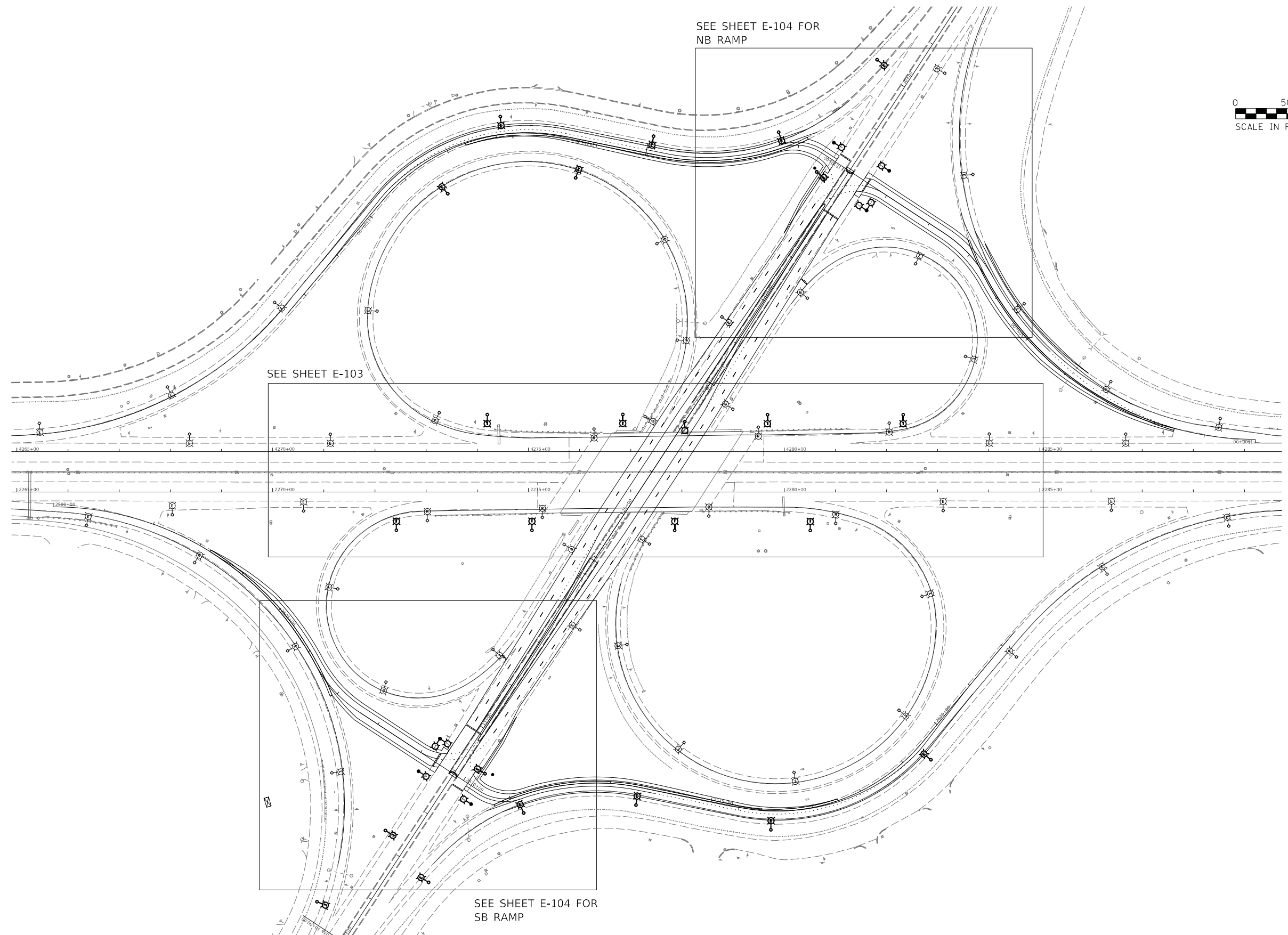
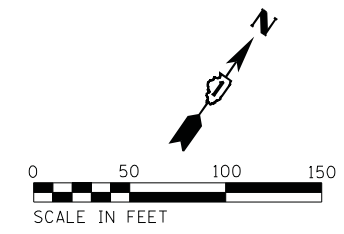
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PLOT DATE = 1/24/2021	DATE - 01/29/21	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD  
GENERAL LIGHTING NOTES AND LEGEND**

SCALE: N/A    SHEET 1 OF 1 SHEETS    STA. N/A TO STA. N/A

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1		333	160
			CONTRACT NO. 62G39	
		ILLINOIS	FED. AID PROJECT	



SEE SHEET E-104 FOR  
NB RAMP

SEE SHEET E-103

SEE SHEET E-104 FOR  
SB RAMP

MODEL: Default  
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	DRAWN - AM	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED - KK/HM	REVISED -
PLOT DATE = 1/24/2021	DATE - 01/29/21	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD**  
**REMOVAL/TEMPORARY LIGHTING PLAN - I-55**

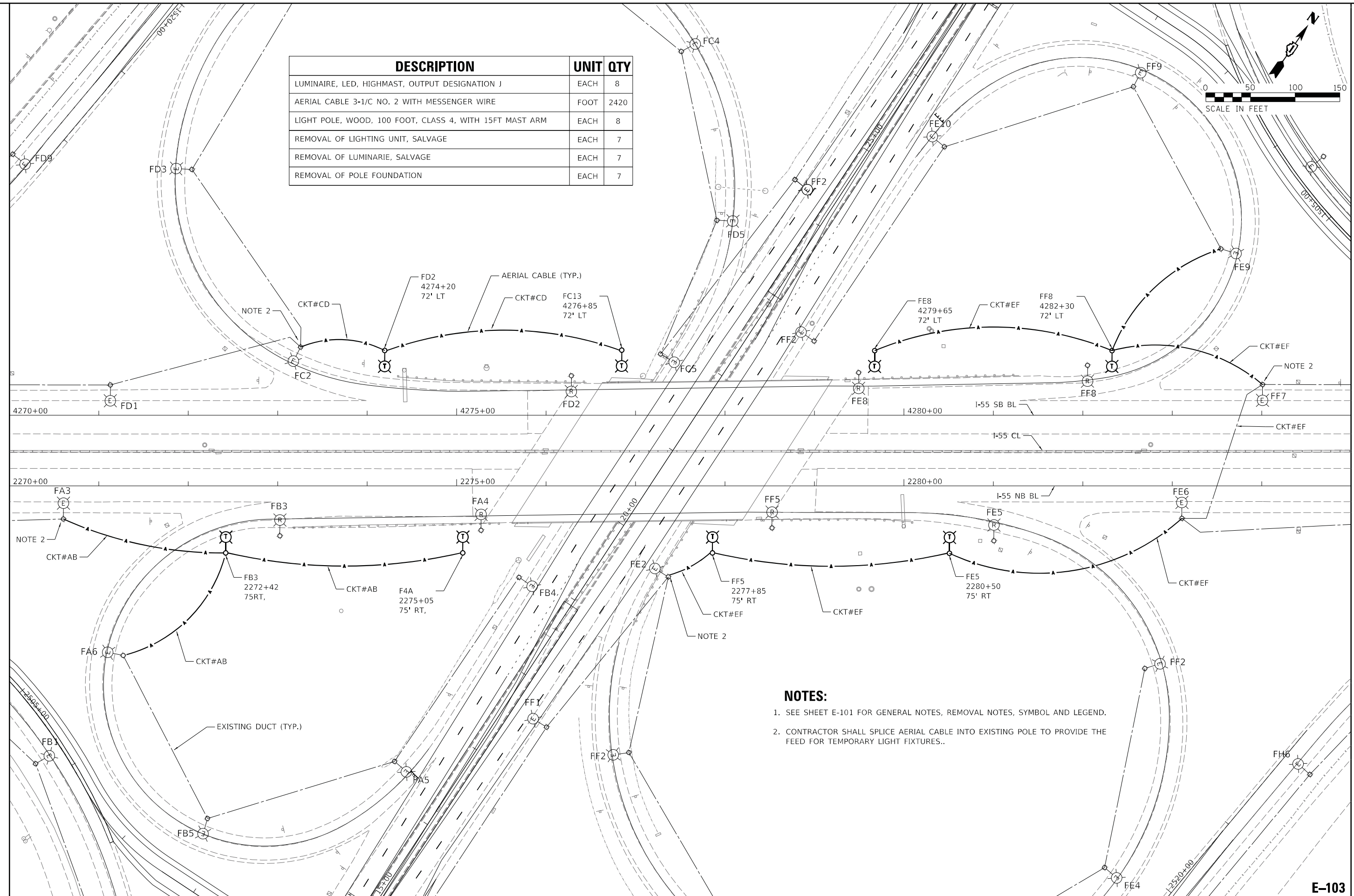
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F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	161
			CONTRACT NO. 62G39	

ILLINOIS FED. AID PROJECT

**E-102**

DESCRIPTION	UNIT	QTY
LUMINAIRE, LED, HIGHMAST, OUTPUT DESIGNATION J	EACH	8
AERIAL CABLE 3-1/C NO. 2 WITH MESSENGER WIRE	FOOT	2420
LIGHT POLE, WOOD, 100 FOOT, CLASS 4, WITH 15FT MAST ARM	EACH	8
REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	7
REMOVAL OF LUMINAIRE, SALVAGE	EACH	7
REMOVAL OF POLE FOUNDATION	EACH	7



- NOTES:**
- SEE SHEET E-101 FOR GENERAL NOTES, REMOVAL NOTES, SYMBOL AND LEGEND.
  - CONTRACTOR SHALL SPLICE AERIAL CABLE INTO EXISTING POLE TO PROVIDE THE FEED FOR TEMPORARY LIGHT FIXTURES..

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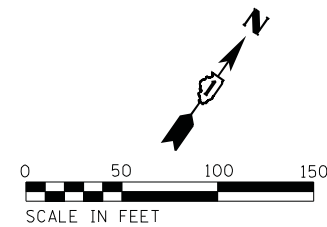
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	DATE - 01/29/21	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD**  
**REMOVAL/TEMPORARY LIGHTING PLAN - I-55**

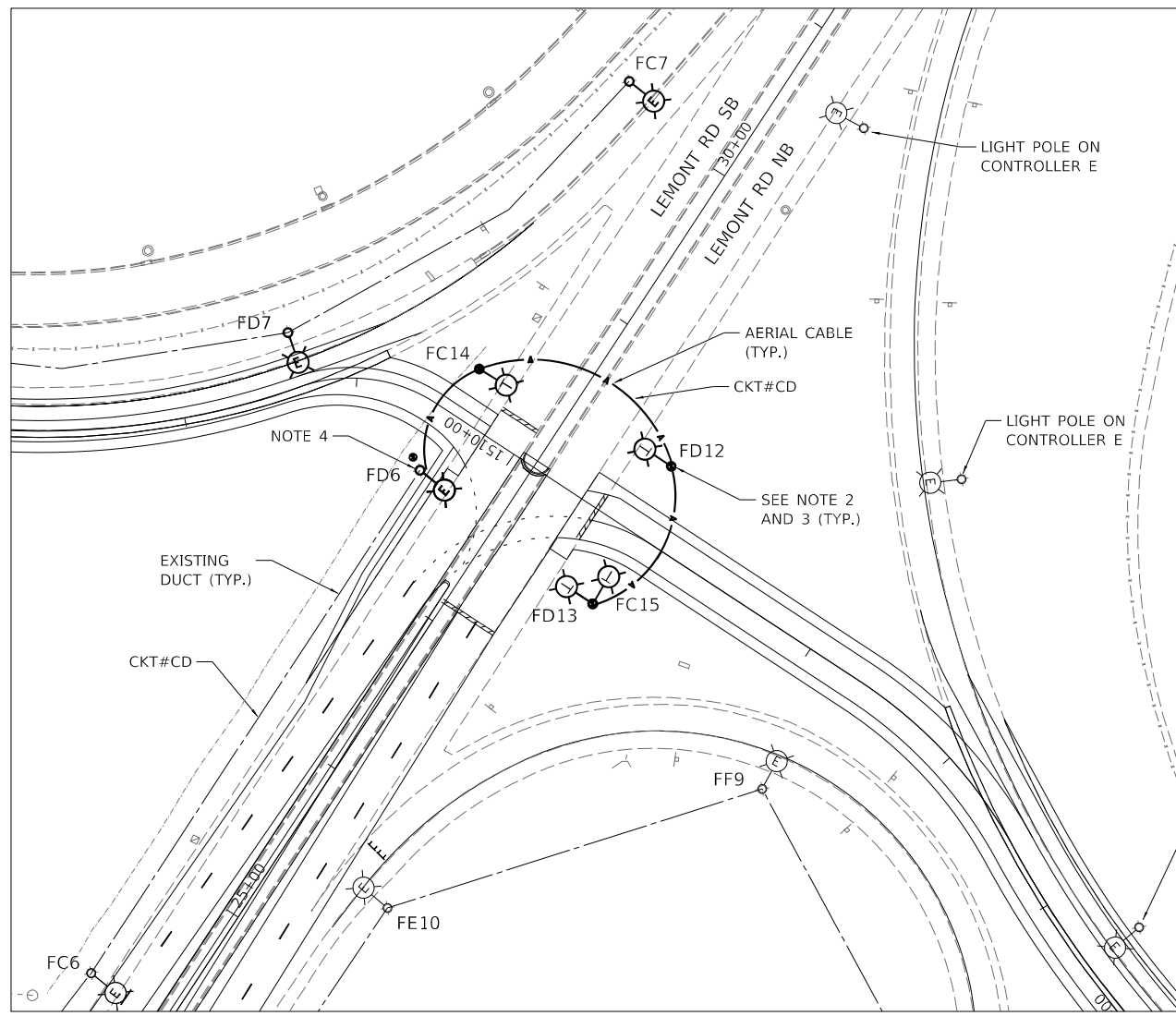
F.A. RTE. 55	SECTION 22-36HB-1	COUNTY DUPAGE	TOTAL SHEETS 333	SHEET NO. 162
SCALE: 1"=50'			CONTRACT NO. 62G39	
SHEET 2 OF 3 SHEETS		ILLINOIS FED. AID PROJECT		

**E-103**

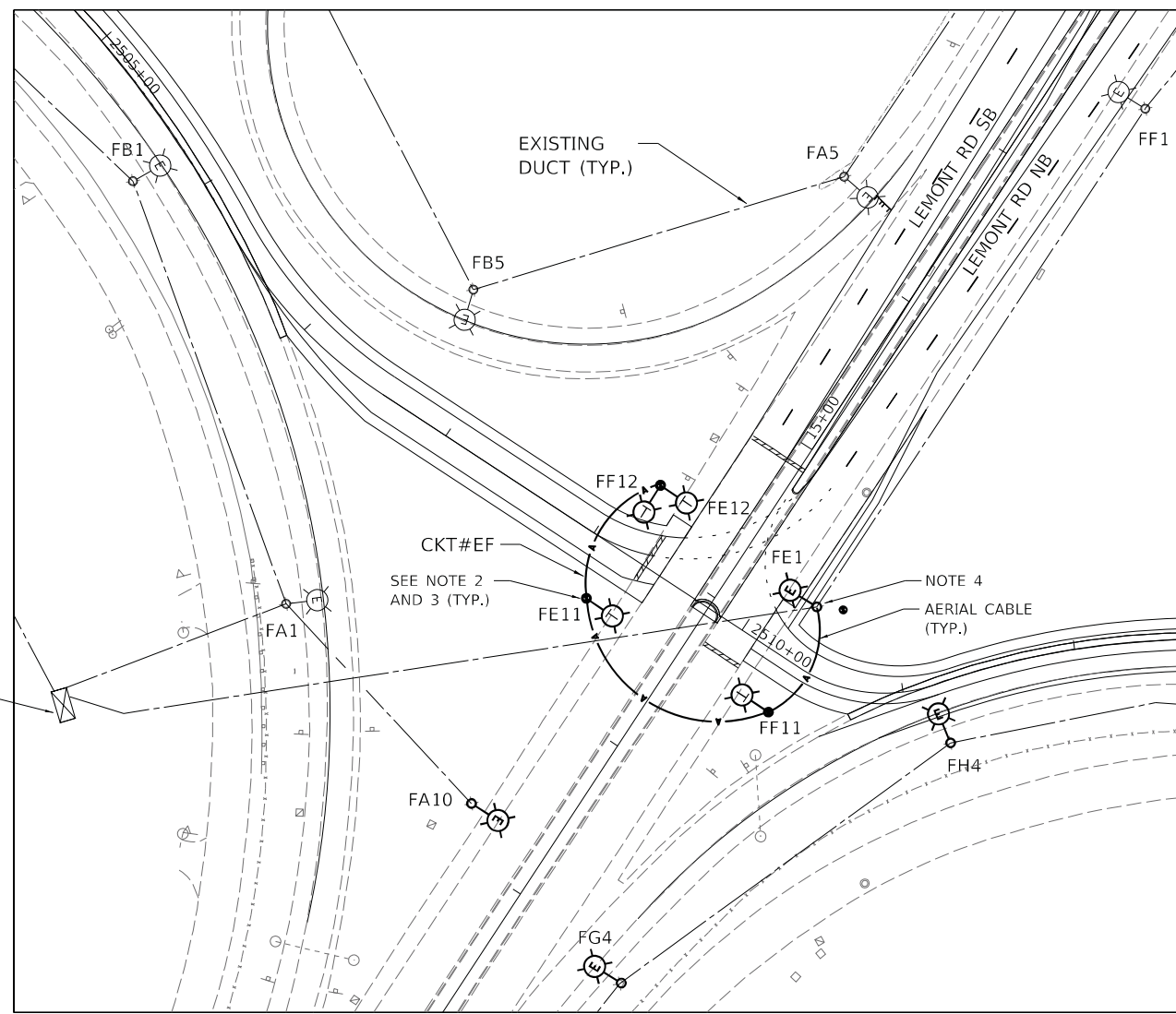


DESCRIPTION	UNIT	QTY
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	8
AERIAL CABLE 3-1/C NO. 2 WITH MESSENGER WIRE	FOOT	685
TEMPORARY MAST ARM, ALUMINUM, 15FT	EACH	8

- NOTES:**
- SEE SHEET E-101 FOR GENERAL NOTES, REMOVAL NOTES, SYMBOL AND LEGEND.
  - PROPOSED 15' MAST ARMS FITTED WITH ROADWAY LIGHTING LUMINARIES TO BE INSTALLED ON PROPOSED TEMPORARY TRAFFIC SIGNAL WOOD POLES.
  - VIDEO TRAFFIC DETECTION SYSTEM FOR TEMPORARY SIGNALS ALSO TO BE INSTALLED ON SAME 15' MAST ARMS CARRYING ROADWAY LIGHTING LUMINARIES. SEE TRAFFIC SIGNAL PLANS.
  - CONTRACTOR SHALL SPLICE AERIAL CABLE INTO EXISTING POLE TO PROVIDE THE FEED FOR TEMPORARY LIGHT FIXTURES..



**TEMPORARY NB RAMP**



**TEMPORARY SB RAMP**

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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

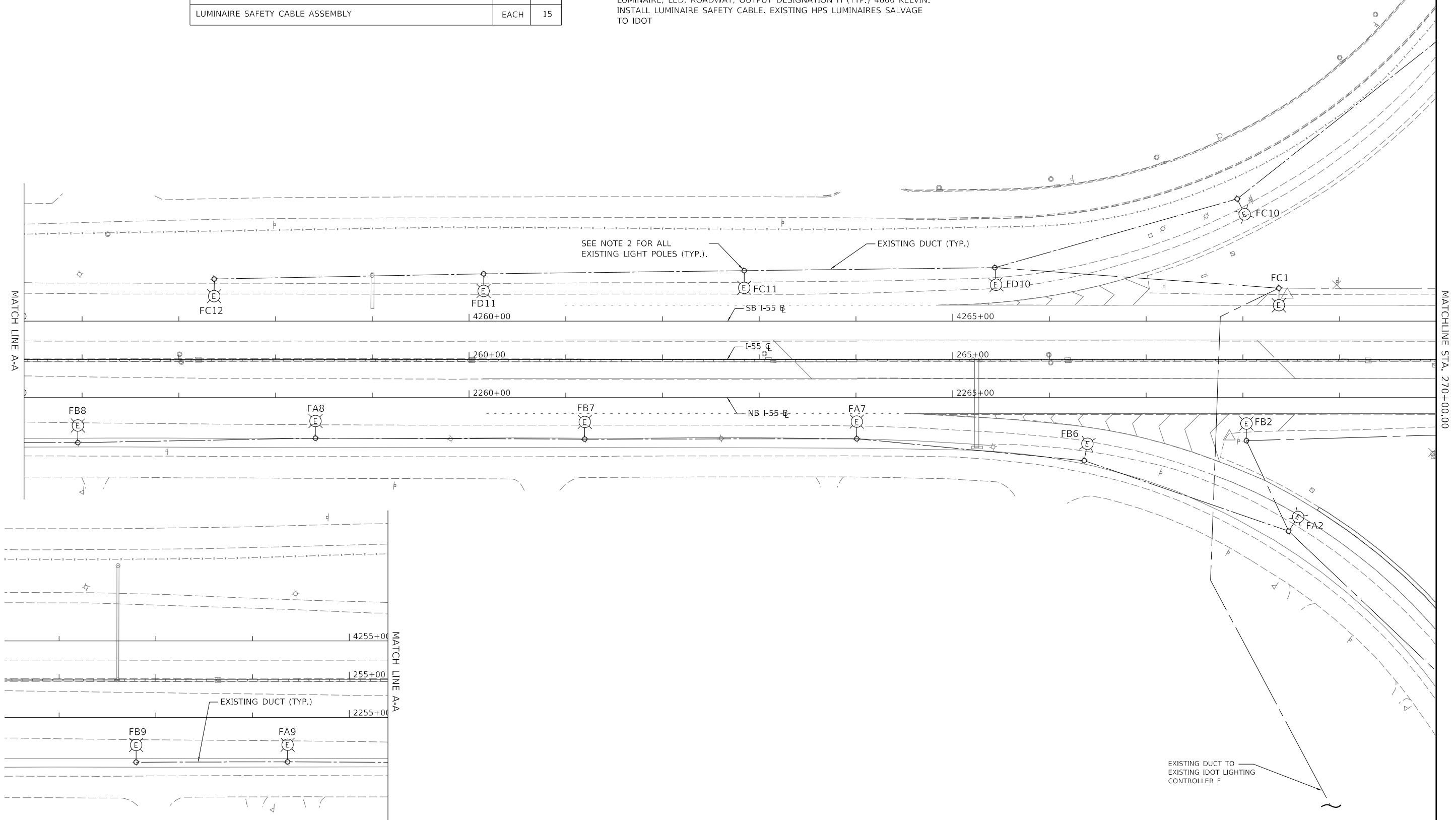
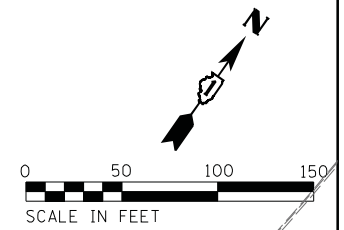
**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD**  
**REMOVAL/TEMPORARY LIGHTING PLAN - I-55**  
 SCALE: 1"=50'    SHEET 4 OF 4 SHEETS    STA. N/A TO STA. N/A

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	163
CONTRACT NO. 62G39				
ILLINOIS FED. AID PROJECT				

DESCRIPTION	UNIT	QTY
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	15
REMOVAL OF LUMINARIE, SALVAGE	EACH	15
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	15

**NOTES:**

- SEE SHEET E-101 FOR GENERAL NOTES, REMOVAL NOTES, SYMBOL AND LEGEND.
- CONTRACTOR TO REPLACE EXISTING HPS LUMINAIRES TO LED LUMINAIRES, LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H (TYP.) 4000 KELVIN. INSTALL LUMINAIRE SAFETY CABLE. EXISTING HPS LUMINAIRES SALVAGE TO IDOT



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**E-105**



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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

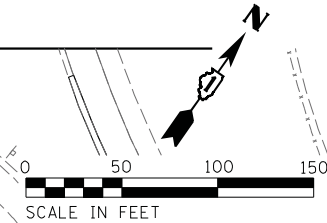
**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD**  
**PROPOSED LIGHTING PLAN**

SCALE: 1"=50'    SHEET 3 OF 3 SHEETS    STA. TO STA.

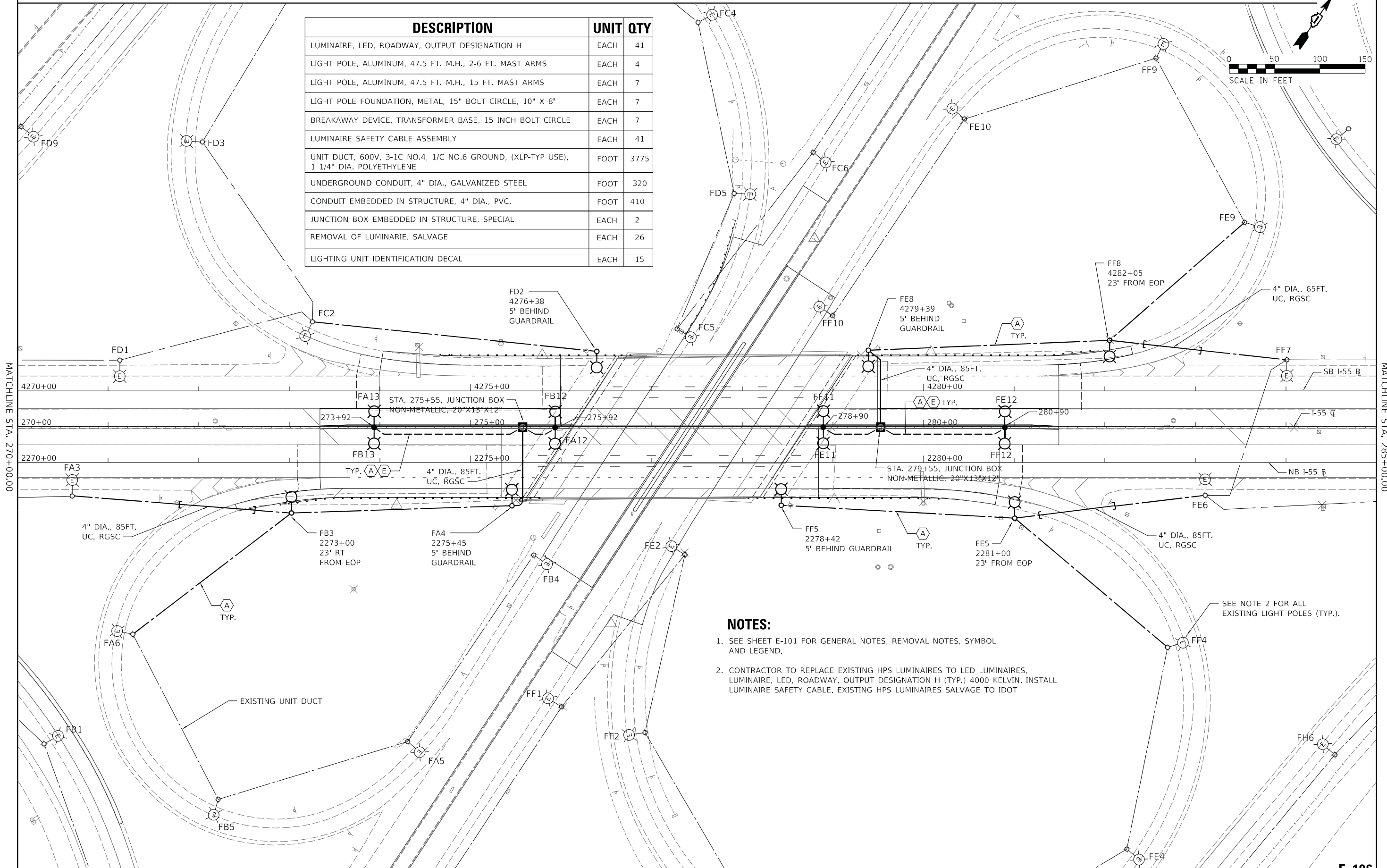
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55	22-36HB-1	DUPAGE	333	164
CONTRACT NO. 62G39			ILLINOIS FED. AID PROJECT	



SEE SHEET E-109



DESCRIPTION	UNIT	QTY
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	41
LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 2-6 FT. MAST ARMS	EACH	4
LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. MAST ARMS	EACH	7
LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 10" X 8"	EACH	7
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	7
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	41
UNIT DUCT, 600V, 3-1C NO.4, 1/C NO.6 GROUND, (XLP-TYP USE), 1 1/4" DIA. POLYETHYLENE	FOOT	3775
UNDERGROUND CONDUIT, 4" DIA., GALVANIZED STEEL	FOOT	320
CONDUIT EMBEDDED IN STRUCTURE, 4" DIA., PVC.	FOOT	410
JUNCTION BOX EMBEDDED IN STRUCTURE, SPECIAL	EACH	2
REMOVAL OF LUMINAIRE, SALVAGE	EACH	26
LIGHTING UNIT IDENTIFICATION DECAL	EACH	15



**NOTES:**

- SEE SHEET E-101 FOR GENERAL NOTES, REMOVAL NOTES, SYMBOL AND LEGEND.
- CONTRACTOR TO REPLACE EXISTING HPS LUMINAIRES TO LED LUMINAIRES, LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H (TYP.) 4000 KELVIN. INSTALL LUMINAIRE SAFETY CABLE. EXISTING HPS LUMINAIRES SALVAGE TO IDOT

SEE NOTE 2 FOR ALL EXISTING LIGHT POLES (TYP.).

SEE SHEET E-108

**E-106**

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PLOT DATE = 1/24/2021	CHECKED - KK/HM	REVISED -
	DATE - 01/29/21	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD  
PROPOSED LIGHTING PLAN**

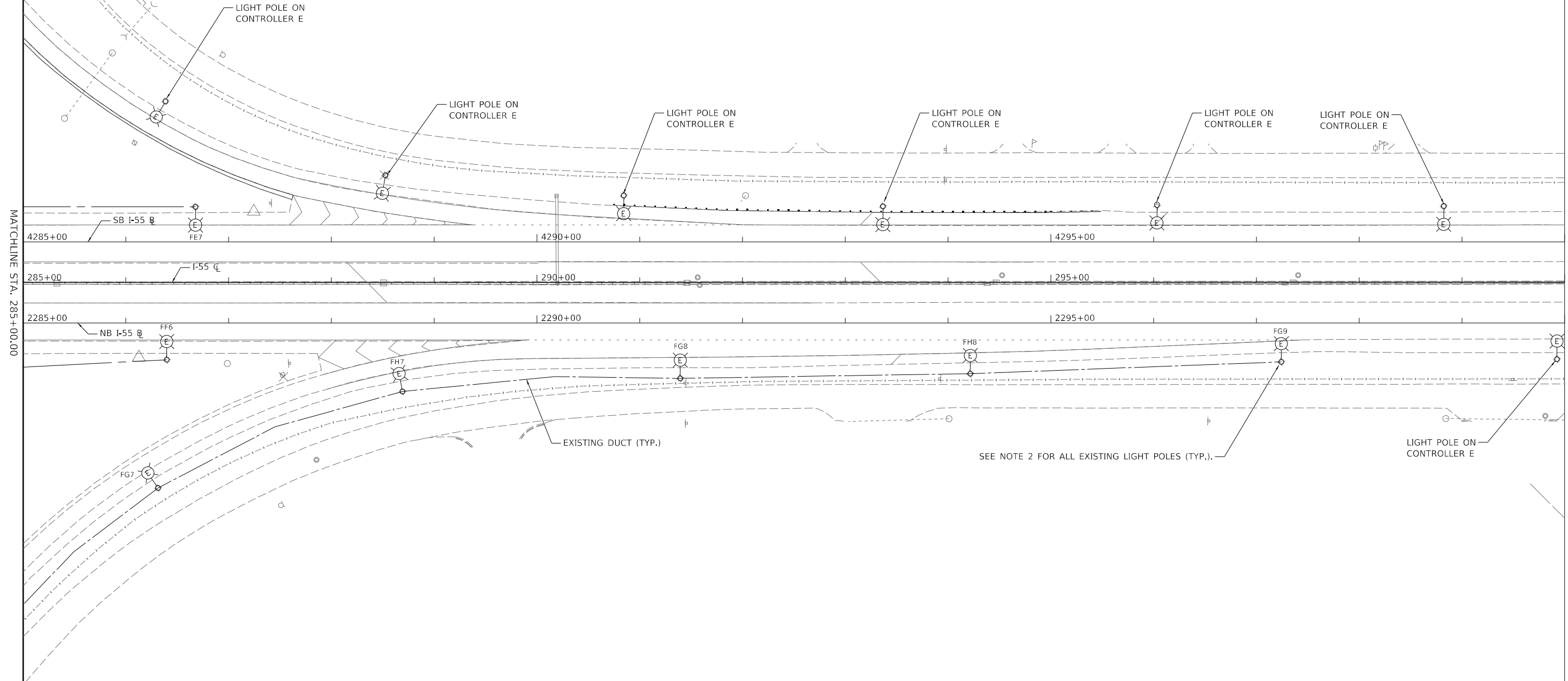
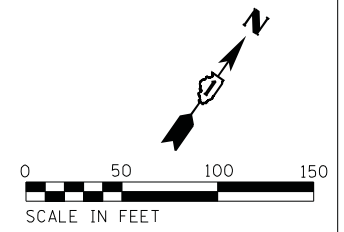
SCALE: 1"=50' SHEET 3 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1		333	165
CONTRACT NO. 62G39			ILLINOIS FED. AID PROJECT	

DESCRIPTION	UNIT	QTY
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	7
REMOVAL OF LUMINARIE, SALVAGE	EACH	7
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	7

**NOTES:**

- SEE SHEET E-101 FOR GENERAL NOTES, REMOVAL NOTES, SYMBOL AND LEGEND.
- CONTRACTOR TO REPLACE EXISTING HPS LUMINAIRES TO LED LUMINAIRES, LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H (TYP.) 4000 KELVIN. INSTALL LUMINAIRE SAFETY CABLE. EXISTING HPS LUMINAIRES SALVAGE TO IDOT



MODEL: Default  
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USER NAME = kkhan	DESIGNED - AM/HM	REVISED -
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PLOT DATE = 1/24/2021	CHECKED - KK/HM	REVISED -
	DATE - 01/29/21	REVISED -

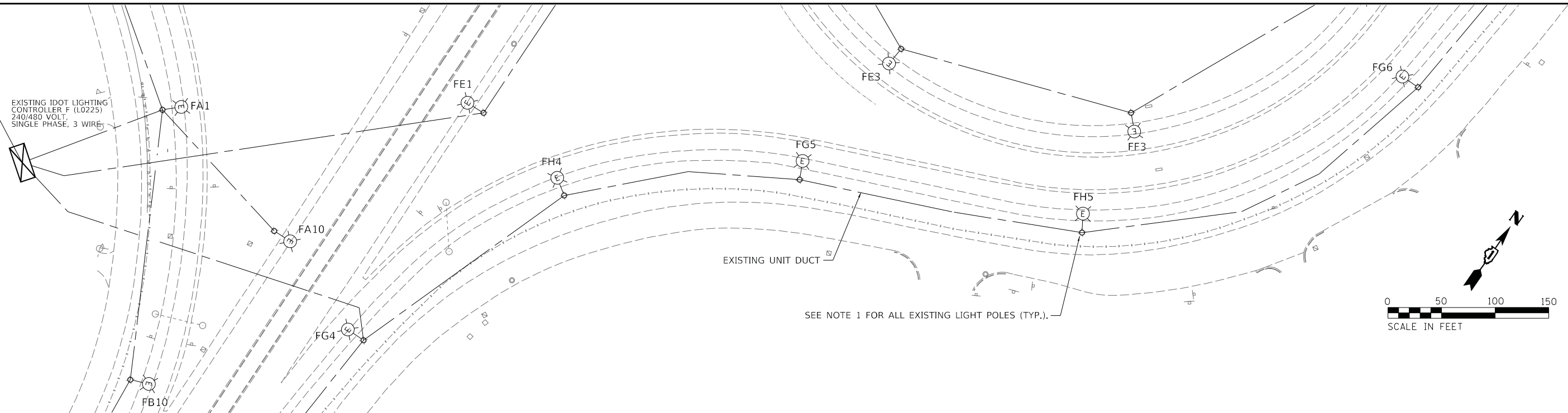
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD**  
**PROPOSED LIGHTING PLAN**

SCALE: 1"=50'    SHEET 3 OF 3 SHEETS    STA.    TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	166
			CONTRACT NO. 62G39	
ILLINOIS FED. AID PROJECT				

SEE SHEET E-106

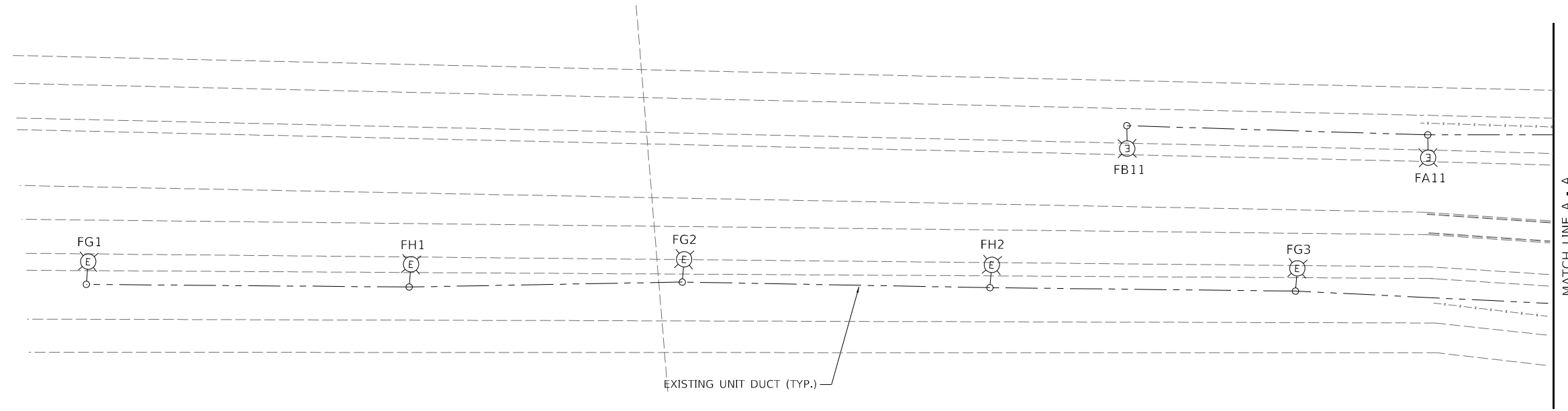


**NOTES:**

1. SEE SHEET E-101 FOR GENERAL NOTES, REMOVAL NOTES, SYMBOL AND LEGEND.
2. CONTRACTOR TO REPLACE EXISTING HPS LUMINAIRES TO LED LUMINAIRES, LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H (TYP.) 4000 KELVIN. INSTALL LUMINAIRE SAFETY CABLE. EXISTING HPS LUMINAIRES SALVAGE TO IDOT

DESCRIPTION	UNIT	QTY
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	19
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	19
REMOVAL OF LUMINAIRE, SALVAGE	EACH	19

MATCH LINE A - A



MATCH LINE A - A

MODEL: Default  
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PLOT DATE = 1/24/2021	CHECKED - KK/HM	REVISED -
	DATE - 01/29/21	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD**  
**PROPOSED LIGHTING PLAN**

SCALE: 1"=50'    SHEET 3 OF 3 SHEETS    STA.    TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	167
			CONTRACT NO. 62G39	
		ILLINOIS FED. AID PROJECT		

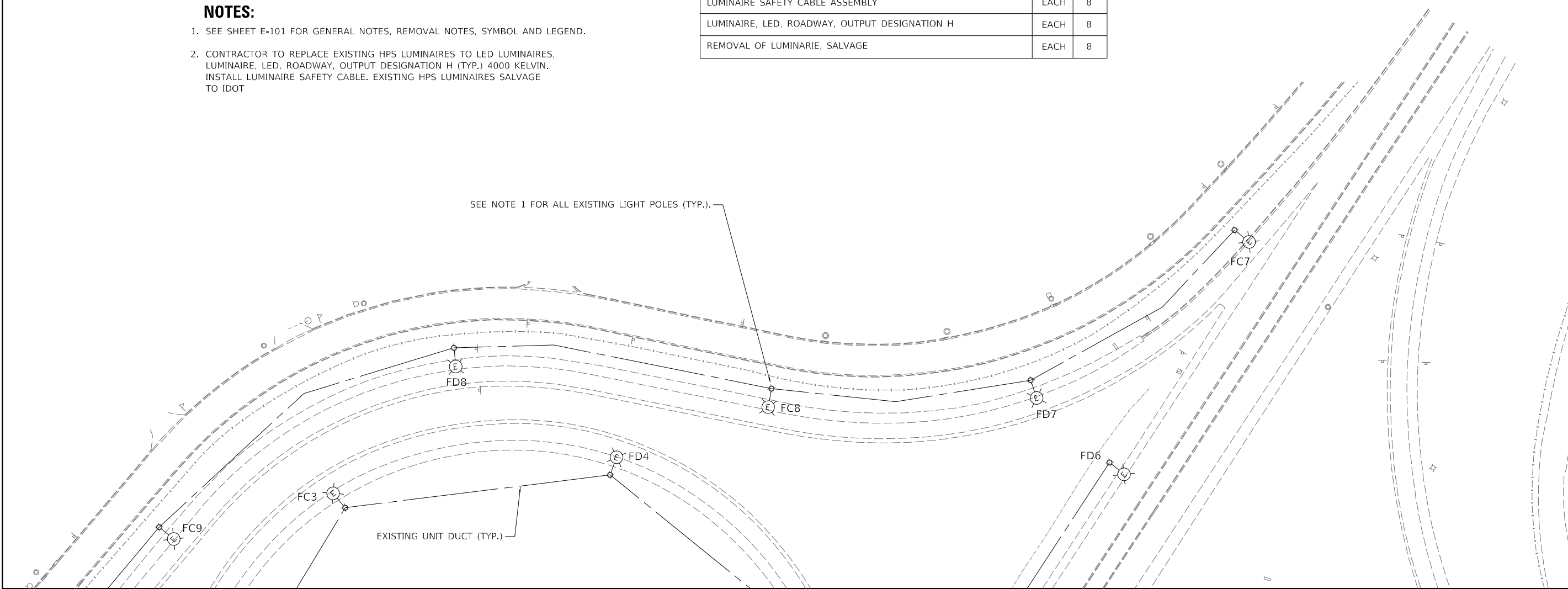
**E-108**

**NOTES:**

1. SEE SHEET E-101 FOR GENERAL NOTES, REMOVAL NOTES, SYMBOL AND LEGEND.
2. CONTRACTOR TO REPLACE EXISTING HPS LUMINAIRES TO LED LUMINAIRES, LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H (TYP.) 4000 KELVIN. INSTALL LUMINAIRE SAFETY CABLE. EXISTING HPS LUMINAIRES SALVAGE TO IDOT

DESCRIPTION	UNIT	QTY
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	8
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	8
REMOVAL OF LUMINAIRE, SALVAGE	EACH	8

SEE NOTE 1 FOR ALL EXISTING LIGHT POLES (TYP.).



EXISTING UNIT DUCT (TYP.)

SEE SHEET E-106

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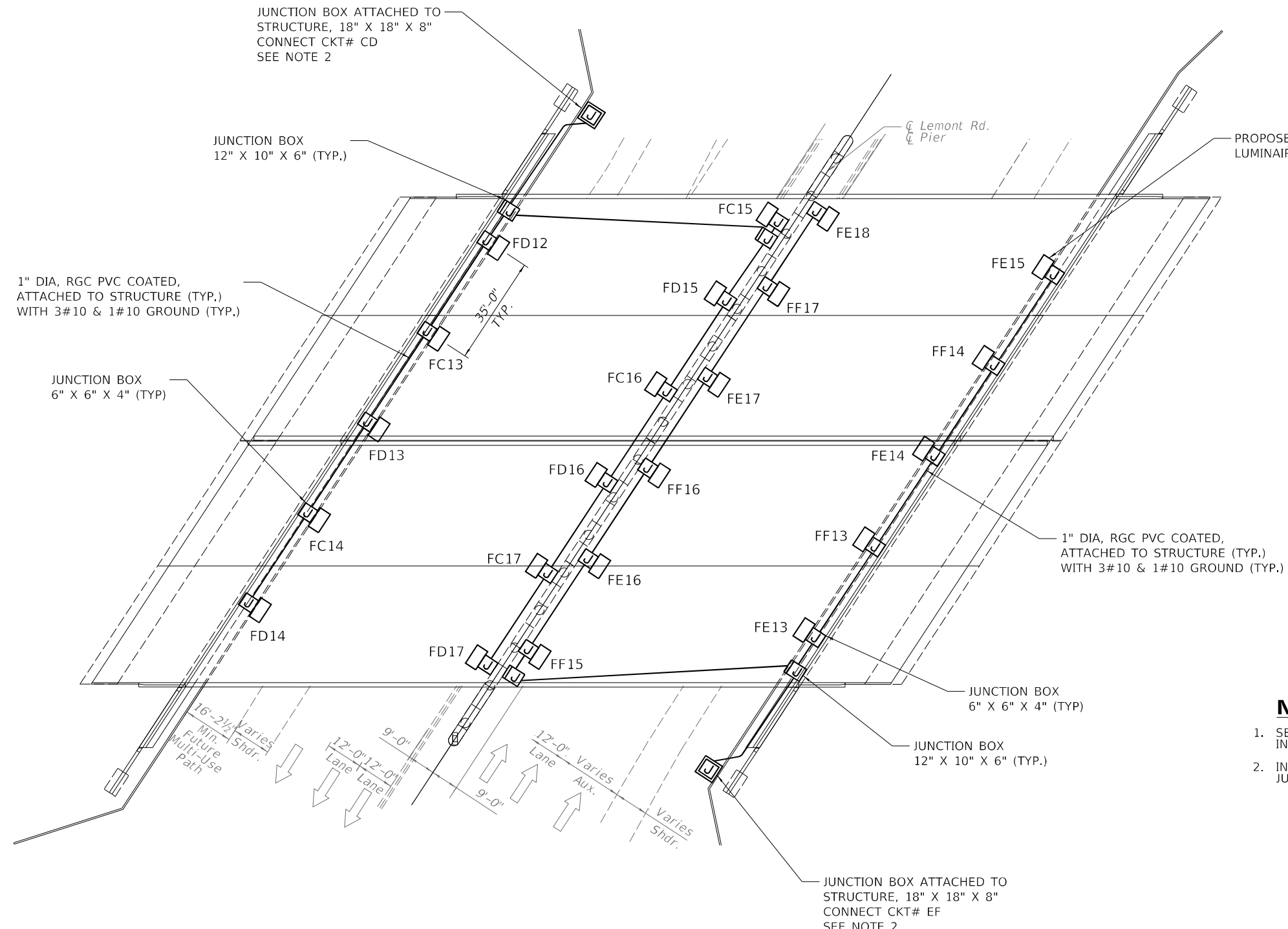
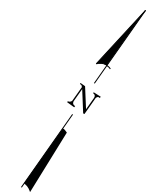
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD  
PROPOSED LIGHTING PLAN**

SCALE: 1"=50'    SHEET 3 OF 3 SHEETS    STA.    TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	168
CONTRACT NO. 62G39			ILLINOIS FED. AID PROJECT	



DESCRIPTION	UNIT	QTY
LUMINAIRE, LED, UNDERPASS, WALLMOUNT, OUTPUT DESIGNATION D	EACH	22
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	4520
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	22
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 8"	EACH	2
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	4
CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL	FOOT	1200
CONDUIT ATTACHED TO STRUCTURE, 3" DIA., PVC COATED GALVANIZED STEEL	FOOT	100

**NOTE:**

- SEE IDOT STANDARD SHEET BE-903, FOR PROPOSED UNDERPASS LUMINAIRE INSTALLATION DETAILS.
- INSTALL NEW FUSE HOLDERS, 30 AMP FUSES AND NEUTRAL SLUG INSIDE JUNCTION BOX.

MODEL: Default  
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 DATE: 01/24/2021



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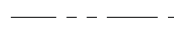
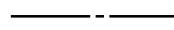


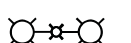


**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED UNDERPASS LIGHTING**

SCALE: SHEET OF SHEETS STA. TO STA.

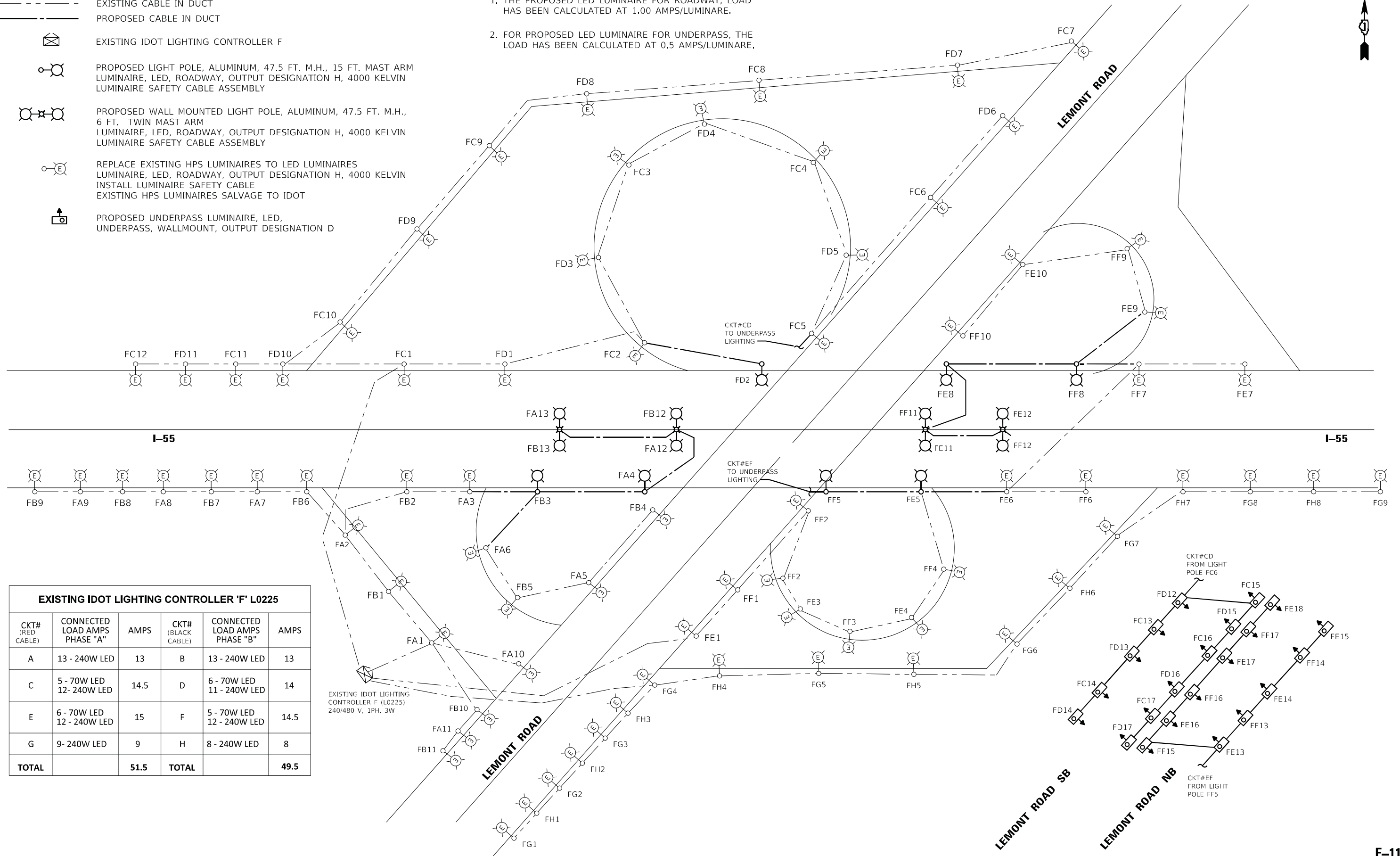
F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1		333	169
			CONTRACT NO. 62G39	
		ILLINOIS	FED. AID PROJECT	

**LEGEND**

-  EXISTING CABLE IN DUCT
-  PROPOSED CABLE IN DUCT
-  EXISTING IDOT LIGHTING CONTROLLER F
-  PROPOSED LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. MAST ARM LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H, 4000 KELVIN LUMINAIRE SAFETY CABLE ASSEMBLY
-  PROPOSED WALL MOUNTED LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 6 FT. TWIN MAST ARM LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H, 4000 KELVIN LUMINAIRE SAFETY CABLE ASSEMBLY
-  REPLACE EXISTING HPS LUMINAIRES TO LED LUMINAIRES LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H, 4000 KELVIN INSTALL LUMINAIRE SAFETY CABLE EXISTING HPS LUMINAIRES SALVAGE TO IDOT
-  PROPOSED UNDERPASS LUMINAIRE, LED, UNDERPASS, WALLMOUNT, OUTPUT DESIGNATION D

**NOTES**

1. THE PROPOSED LED LUMINAIRE FOR ROADWAY, LOAD HAS BEEN CALCULATED AT 1.00 AMPS/LUMINAIRE.
2. FOR PROPOSED LED LUMINAIRE FOR UNDERPASS, THE LOAD HAS BEEN CALCULATED AT 0.5 AMPS/LUMINAIRE.



**EXISTING IDOT LIGHTING CONTROLLER 'F' L0225**

CKT# (RED CABLE)	CONNECTED LOAD AMPS PHASE "A"	AMPS	CKT# (BLACK CABLE)	CONNECTED LOAD AMPS PHASE "B"	AMPS
A	13 - 240W LED	13	B	13 - 240W LED	13
C	5 - 70W LED 12 - 240W LED	14.5	D	6 - 70W LED 11 - 240W LED	14
E	6 - 70W LED 12 - 240W LED	15	F	5 - 70W LED 12 - 240W LED	14.5
G	9 - 240W LED	9	H	8 - 240W LED	8
<b>TOTAL</b>		<b>51.5</b>	<b>TOTAL</b>		<b>49.5</b>

EXISTING IDOT LIGHTING CONTROLLER F (L0225) 240/480 V, 1PH, 3W

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 PLOT DATE = 1/24/2021

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 DRAWN - AM  
 CHECKED - KK/HM  
 DATE - 01/29/21

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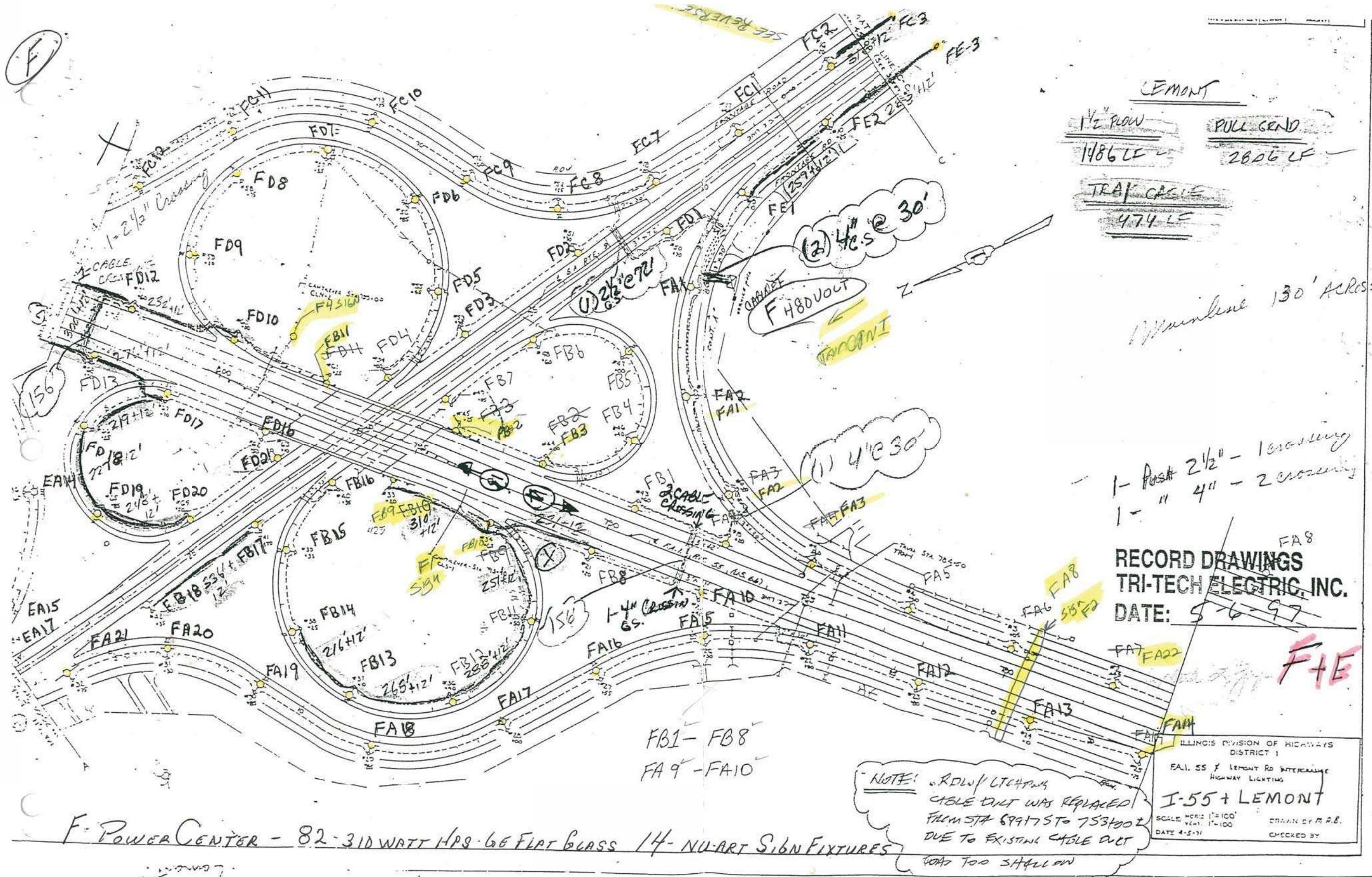
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD  
 CONTROLLER F SINGLE LINE DIAGRAM**

SCALE: N/A SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	170
			CONTRACT NO. 62G39	

ILLINOIS FED. AID PROJECT



F-POWER CENTER - 82-310 WRTT HPS 66 FLAT GLASS 14- NU-ART SIGN FIXTURES

NOTE: ROW/UTILITY CABLE DUCT WAS REPLACED FROM STA 69475 TO 753100 DUE TO EXISTING CABLE DUCT ROAD TOO SHALLOW

1- Post 2 1/2" - 1 crossing  
1- " 4" - 2 crossing

RECORD DRAWINGS  
TRI-TECH ELECTRIC, INC.  
DATE: 5-6-97

ILLINOIS DIVISION OF HIGHWAYS  
DISTRICT 1  
FA1.55 LEMONT RD INTERCHANGE  
HIGHWAY LIGHTING  
I-55 + LEMONT  
SCALE: HORIZ 1"=100'  
VERT 1"=100'  
DATE 4-5-11  
DRAWN BY M.A.B.  
CHECKED BY

FOR REFERENCE ONLY

MODEL: Default  
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	DATE - 01/29/21	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING PLAN	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	171
			CONTRACT NO. 62G39	
ILLINOIS FED. AID PROJECT				

E-112



**FOR REFERENCE ONLY**

**E-113**

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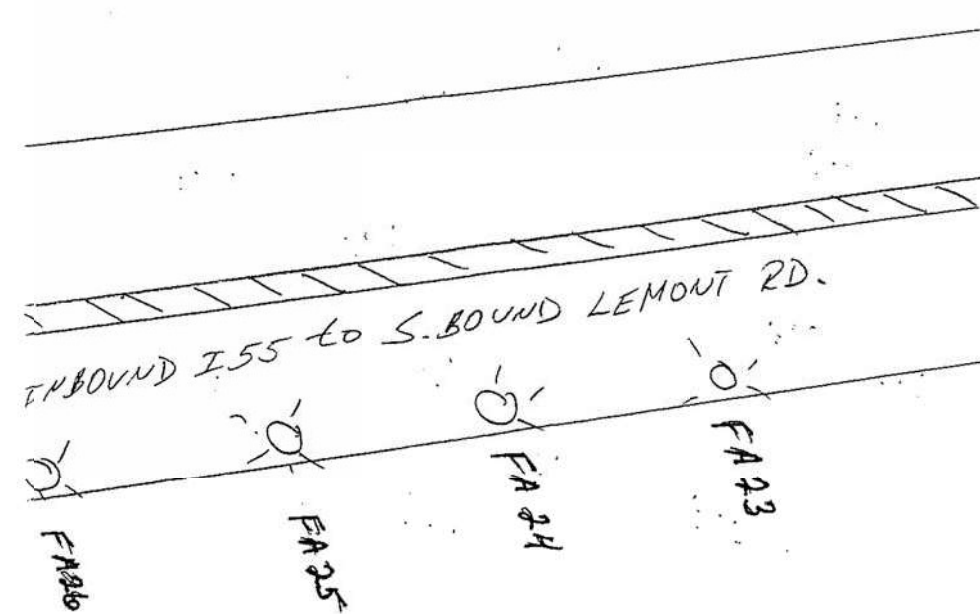
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>EXISTING PLAN</b>			
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	STA.		TO STA.

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	172
CONTRACT NO. 62G39				
ILLINOIS FED. AID PROJECT				

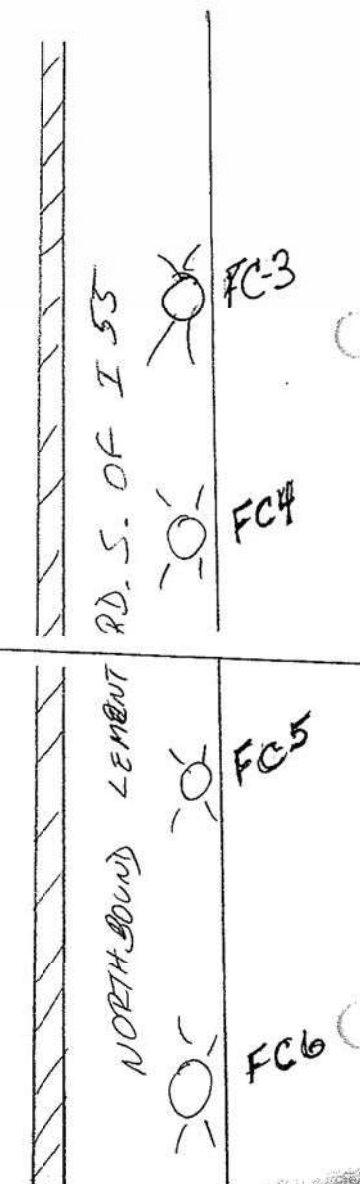


F.P.C.



SEE OTHER SIDE

97th St.



FOR REFERENCE ONLY

E-114

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	DATE - 01/29/21	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING PLAN			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	173
CONTRACT NO. 62G39				
ILLINOIS FED. AID PROJECT				

LIGHTING INSPECTION --- VOLTAGE, AMPERAGE, INSULATION, & CONTINUITY TESTS

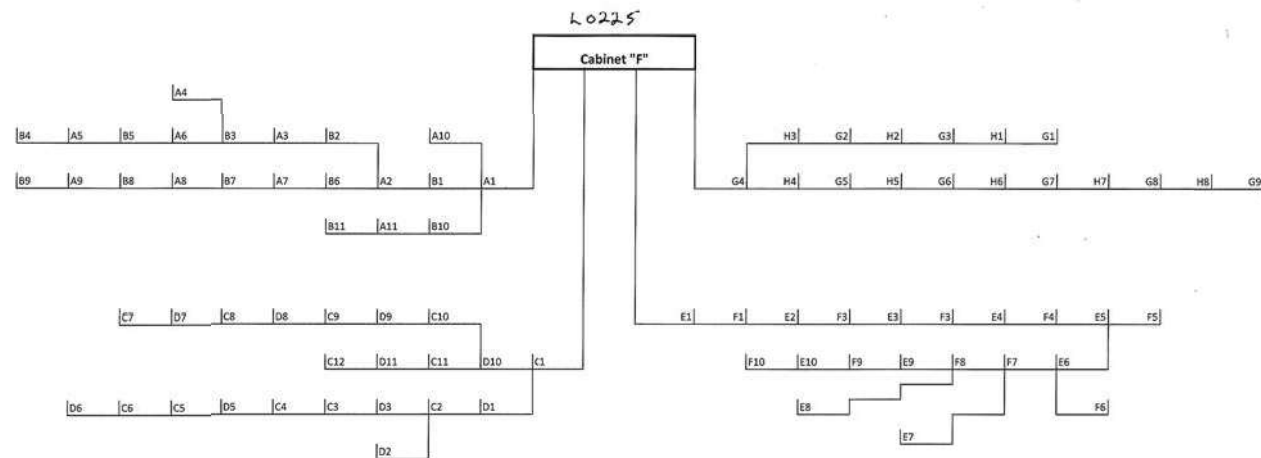
Cabinet Name: <u>F</u>	Location "L" Number: <u>L0225</u>
Main Route: <u>DSS</u>	
Cross Street: <u>LEMONI RD</u>	
Contract #: <u>V/A</u>	County: <u>Dupage</u> Section #: <u>V/A</u>
Contract Letting: <u>V/A</u>	

Date: <u>3/24/2020</u>
Luminaire Voltage: <u>240</u>
System Voltage: <u>480/480 1Ø 3Ø</u>
Voltmeter Model#:
Ampmeter Model#:
Megger Model#:
Ohmmeter Model#:

Main Service Cable	Full Load	No Load
Service Cable Tests	Volts	Volts
Phase A-B:	<u>497.5</u>	
Phase A-Neutral:	<u>248.3</u>	
Phase B-Neutral:	<u>248.8</u>	
Service Cable Tests	Amps	Amps
Phase A:	<u>98.3</u>	
Phase B:	<u>81.1</u>	
Neutral:	<u>35.6</u>	
Phase Red 1:	<u>54.2</u>	
Phase Red 2:	<u>43.8</u>	
Phase Black 1:	<u>48.5</u>	
Phase Black 2:	<u>33.9</u>	

Last Pole Phase Voltage	
Volts	Volts
A	B
C	D
E	F
G	H
I	J
K	L
M	N
O	P
Q	R
S	T
U	V
W	X
Y	Z

Branch Circuit Amperage	
Amps	Amps
A	<u>26.0</u>
B	<u>24.2</u>
C	<u>28.7</u>
D	<u>24.3</u>
E	<u>27.0</u>
F	<u>18.0</u>
G	<u>17.5</u>
H	<u>15.2</u>
I	
J	
K	
L	
M	
N	
O	
P	
Q	
R	
S	
T	
U	
V	
W	
X	
Y	
Z	
Total	



Controller Ground Grid Resistance: \_\_\_\_\_ Ohms

*Supv*  
Voltage - 126.5

Cable Insulation Resistance Test

MegOhms	MegOhms	MegOhms
A	B	N
C	D	N
E	F	N
G	H	N
I	J	N
K	L	N
M	N	N
O	P	N
Q	R	N
S	T	N
U	V	N
W	X	N
Y	Z	N
Main Service Cable: A	B	N

*caps = .5*

Continuity Test

Ohms
A-B
C-D
E-F
G-H
I-J
K-L
M-N
O-P
Q-R
S-T
U-V
W-X
Y-Z

IDOT Resident Engineer: KEDDI KUMAR  
Signature: \_\_\_\_\_

Inspected By Contractor: \_\_\_\_\_  
Signature: \_\_\_\_\_

Contractor Company: \_\_\_\_\_  
Date: \_\_\_\_\_

FOR REFERENCE ONLY

E-115

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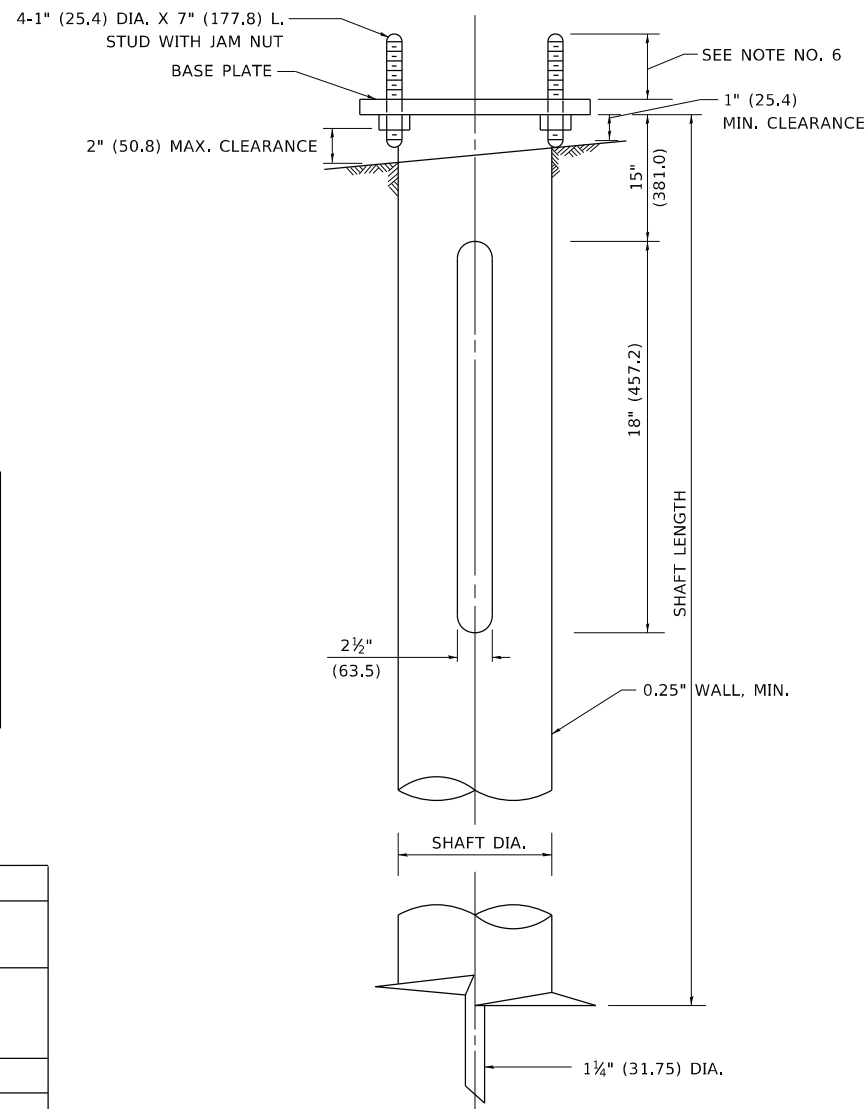
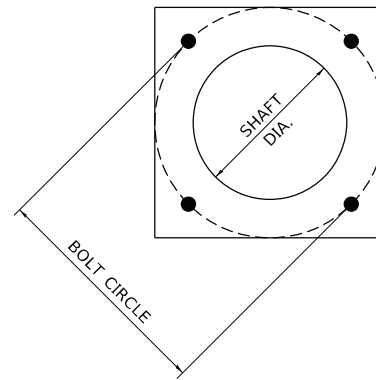
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	DATE - 01/29/21	REVISED -

DESIGNED - AM/HM	REVISED -
DRAWN - AM	REVISED -
CHECKED - KK/HM	REVISED -
DATE - 01/29/21	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	174
CONTRACT NO. 62G39			ILLINOIS FED. AID PROJECT	



**NOTES**

1. ALL DIMENSION IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. ALL MATERIAL SHALL BE GALVINIZED ACCORDING TO AASHTO M111, UNLESS OTHERWISE SPECIFIED.
3. ALL WELDS SHALL BE CONTINUOUS AND NOT LESS THAN 1#4" (6.35 mm) FILLET WELDS. THE WELDED FOUNDATION SHALL BE CAPABLE OF WITHSTANDING 10,000 FT/LBS (13558.18 n.m) OF INSTALLATION TORQUE APPLIED ABOUT THE AXIS OF THE FOUNDATION.
4. THE HELIX FOUNDATION SHAFT SHALL BE INSTALLED VERTICAL AND THE BASE PLATE SHALL BE IN LEVEL. THE BREAKAWAY COUPLINGS AND HARDWARE SHALL NOT BE USED TO ALIGN THE POLE INSTALLATION.
5. THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE INSTALLATION OF THE LIGHT POLE.
6. THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF THE BASE PLATE WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS.
7. ANY VOIDS WITHIN THE METAL FOUNDATION SHALL BE FILLED WITH FINE AGGREGATE.
8. METAL FOUNDATIONS SHALL BE INSTALLED IN UNDISTURBED SOIL. PREDRILLING A PILOT HOLE AND/OR BACKFILLING AROUND THE FOUNDTION IS NOT ALLOWED.
9. THE METAL FOUNDATION SHALL NOT BE INSTALLED TO A TORQUE WHICH EXCEEDS THE MANUFACTURER'S MAXIMUM TORQUE RATING NOR SHALL IT BE INSTALLED TO AN INSTALLATION TORQUE VALUE OF LESS THAN 3,500 FT LB (4,750 KNM). METAL FOUNDATIONS THAT ARE NOT INSTALLED TO FULL INSTALLATION DEPTH OR DO NOT ACHIEVE THE MINIMUM INSTALLATION TORQUE SHALL BE REMOVED AND REPLACED WITH A CONCRETE FOUNDATION AT NO ADDITIONAL COST.
10. THE BASEPLATE SHALL BE PERPENDICULAR TO THE SHAFT AXIS ( $\pm 1^\circ$ ) AND THE HOLE CENTERLINE SHALL BE CONCENTRIC ( $\pm 0.188$ ) TO THE SHAFT AXIS.
11. THE PILOT POINT AND SHAFT AXIS SHALL BE CONCENTRIC ( $\pm 0.125$ ) AND IN LINE ( $\pm 2^\circ$ ).
12. THE BASEPLATE SHALL BE STAMPED WITH THE MANUFACTURERS NAME AND DATE OF MANUFACTURE.

**HELIX FOUNDATION SIZE**

POLE MOUNTING HEIGHT	BOLT CIRCLE	SHAFT DIAMETER	SHAFT LENGTH	BASEPLATE
30 FT.	11½"	8⅝"	6 FT.	12"x12"x1"
31 FT.-35 FT.	11½"	8⅝"	6 FT.	12"x12"x1"
36 FT.-40FT.	15"	8⅝"	6 FT.	15"x15"x1¼"
41 FT.-45 FT.	15"	8⅝"	6 FT.	15"x15"x1¼"
46 FT.-50 FT.	15"	10"	8 FT.	15"x15"x1¼"

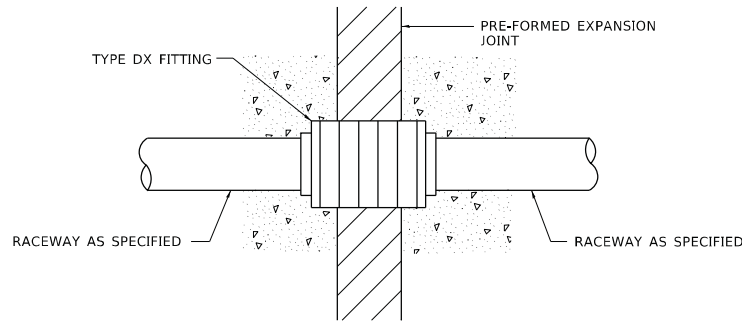
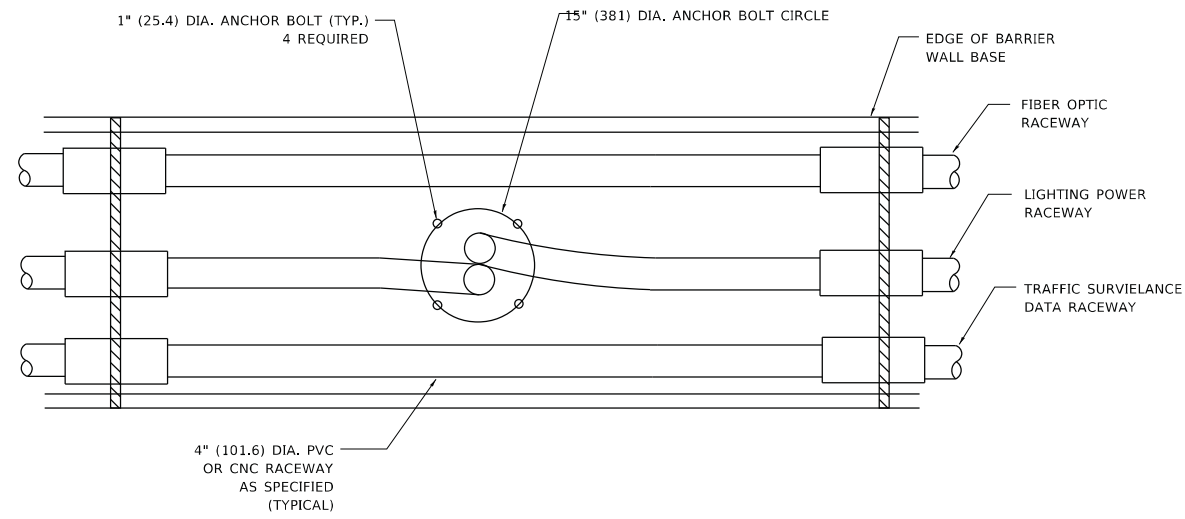
**METAL HELIX FOUNDATION MATERIALS**

ITEM	MATERIAL REQUIREMENT
BASEPLATE	AASHTO M 270M, GRADE 36 (M270M, GRADE 250)
SHAFT	ASTM A 252, GRADE 2 (PHOSPHOROUS 0.04% MAXIMUM, SULFUR 0.05% MAXIMUM)
HELIX SCREW	AASHTO M 183 (ASTM A 635)
PILOT POINT	AASHTO M 270 (ASTM A 575)
ANCHOR RODS/STUDS	AASHTO M 314 (ASTM F 1554)
HEXAGON NUTS	AASHTO M 291M (ASTM A 563) GRADE DH, OR AASHTO M 292 (ASTM A 194) GRADE 2H
WASHERS	AASHTO M 293 (ASTM F 436)

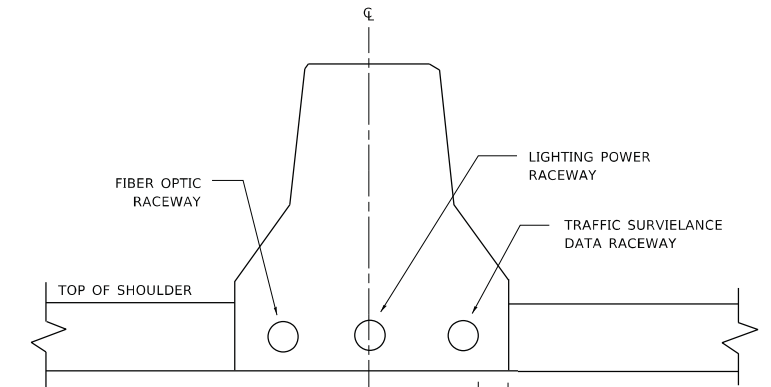
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**NOTES:**

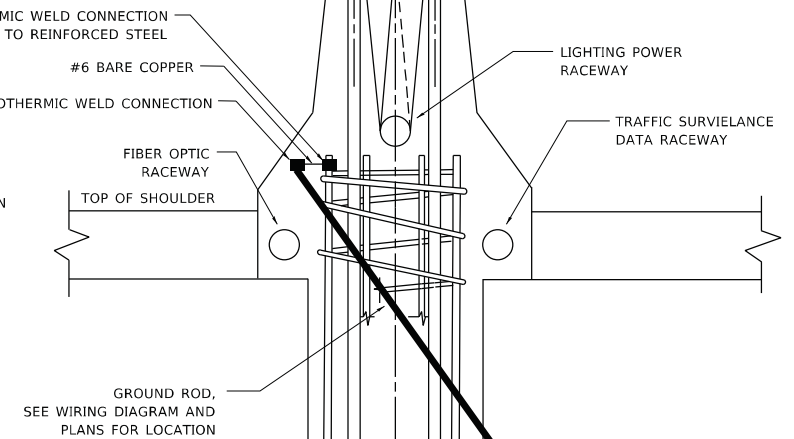
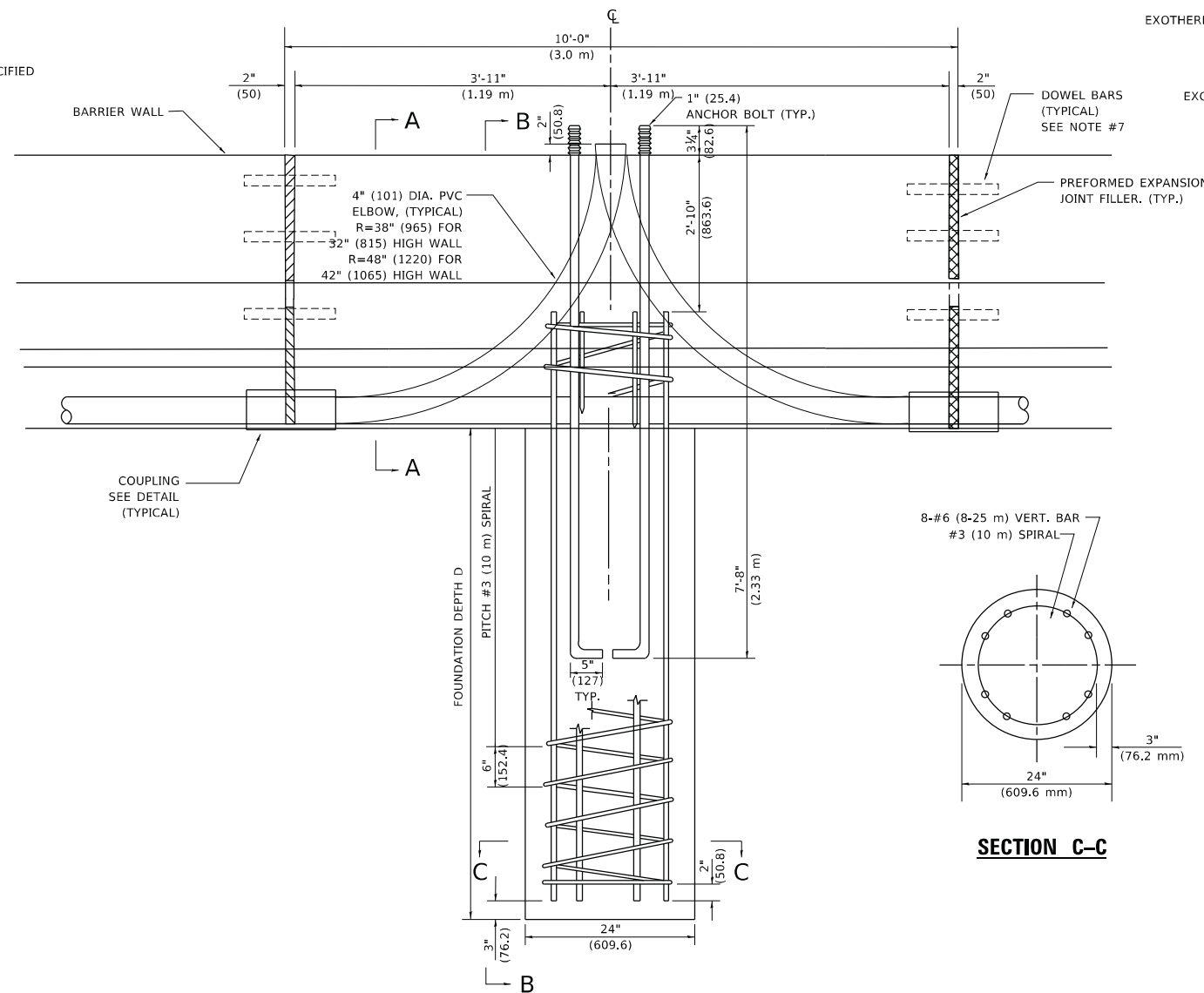
1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORMS.
3. THE CONTRACTOR AT HIS OPTION MAY SUBSTITUTE #4 (15 m) TIES AT 12" (304.8 m) CTRS. FOR THE #3 (3 m) SPIRAL. TACKWELDED TYPE BOLT MAY BE SUBSTITUTED FOR THE HOOK TYPE BOLT.
4. COLD BENDING OF THE HOOK BOLT SHALL NOT BE ALLOWED.
5. EXCAVATION FOR THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER 24 INCHES (609.6 m) IN DIAMETER.
6. THE ENGINEER SHALL DETERMINE THE TYPE OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE USING THE DOMINANT CHARACTERISTIC OF THE SOIL ENCOUNTERED.
7. BARRIER WALL EXPANSION AND CONSTRUCTION JOINTS SHALL BE IN ACCORDANCE WITH STANDARD DETAIL 637001-02 AND 637006 AS APPLICABLE.



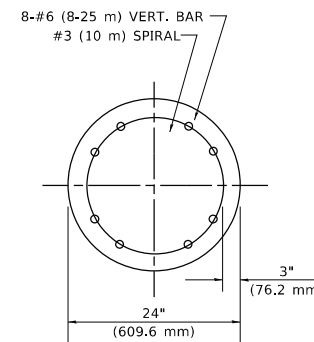
**CONDUIT DEFLECTION FITTING DETAIL**



**SECTION A-A**



**SECTION B-B**



**SECTION C-C**

ASSURE THAT REINFORCING STEEL IS ALL INTERCONNECTED VIA TIE WRAPPING OF OTHER SUITABLE MEANS TO ANCHOR BOLTS.

**FOUNDATION DEPTH**

TYPE OF SOIL	FOUND FEPTH D	REINFORCEMENT IN FOUNDATION	
		VERTICAL BARS	SPIRAL
ROCK OR SOLIDIFIED SLAG	5'-0" (1.52 m)	NONE	NONE
DENSE SAND	7'-9" (2.36 m)	8-#6 x 9'-0" (8-20 m x 2.74 m)	#3 x 90' (3 m x 27.43 m)
MEDIUM SAND	8'-3" (2.51 m)	8-#6 x 9'-5" (8-20 m x 2.87 m)	#3 x 94' (3 m x 28.65 m)
LOOSE SAND	9'-0" (2.74 m)	8-#6 x 10'-2" (8-20 m x 3.09 m)	#3 x 100' (3 m x 30.48 m)
STIFF CLAY	7'-0" (2.13 m)	8-#6 x 10'-8" (8-20 m x 2.48 m)	#3 x 80' (3 m x 24.38 m)
MEDIUM CLAY	9'-6" (2.89 m)	8-#6 x 10'-8" (8-20 m x 3.25 m)	#3 x 104' (3 m x 31.69 m)
SOFT CLAY	13'-0" (3.96 m)	8-#6 x 14'-2" (8-20 m x 4.32 m)	#3 x 144' (3 m x 43.89 m)

DESIGN: 80 MPH AASHTO

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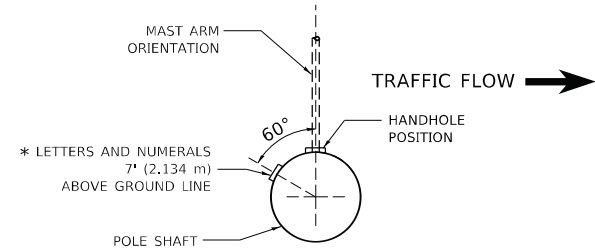
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

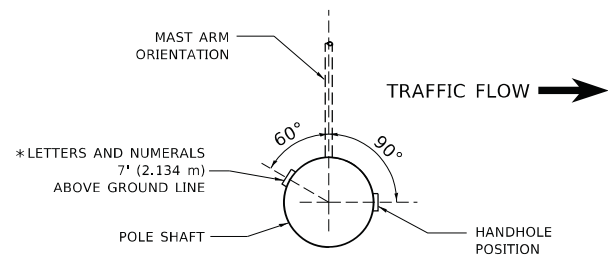
**24" (609.6 mm) DIA. LIGHT POLE FOUNDATION  
INTEGRAL WITH DOUBLE FACE BARRIER WALL**

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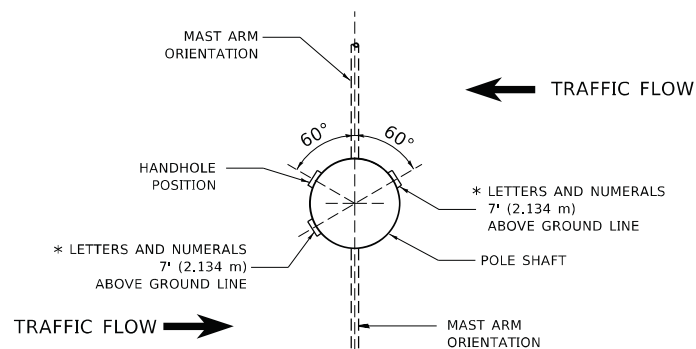
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ILLINOIS FED. AID PROJECT			CONTRACT NO.	



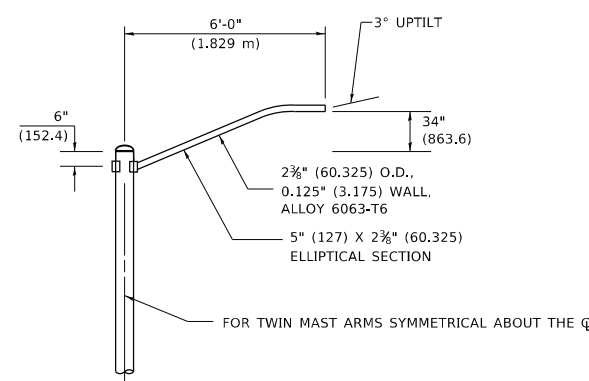
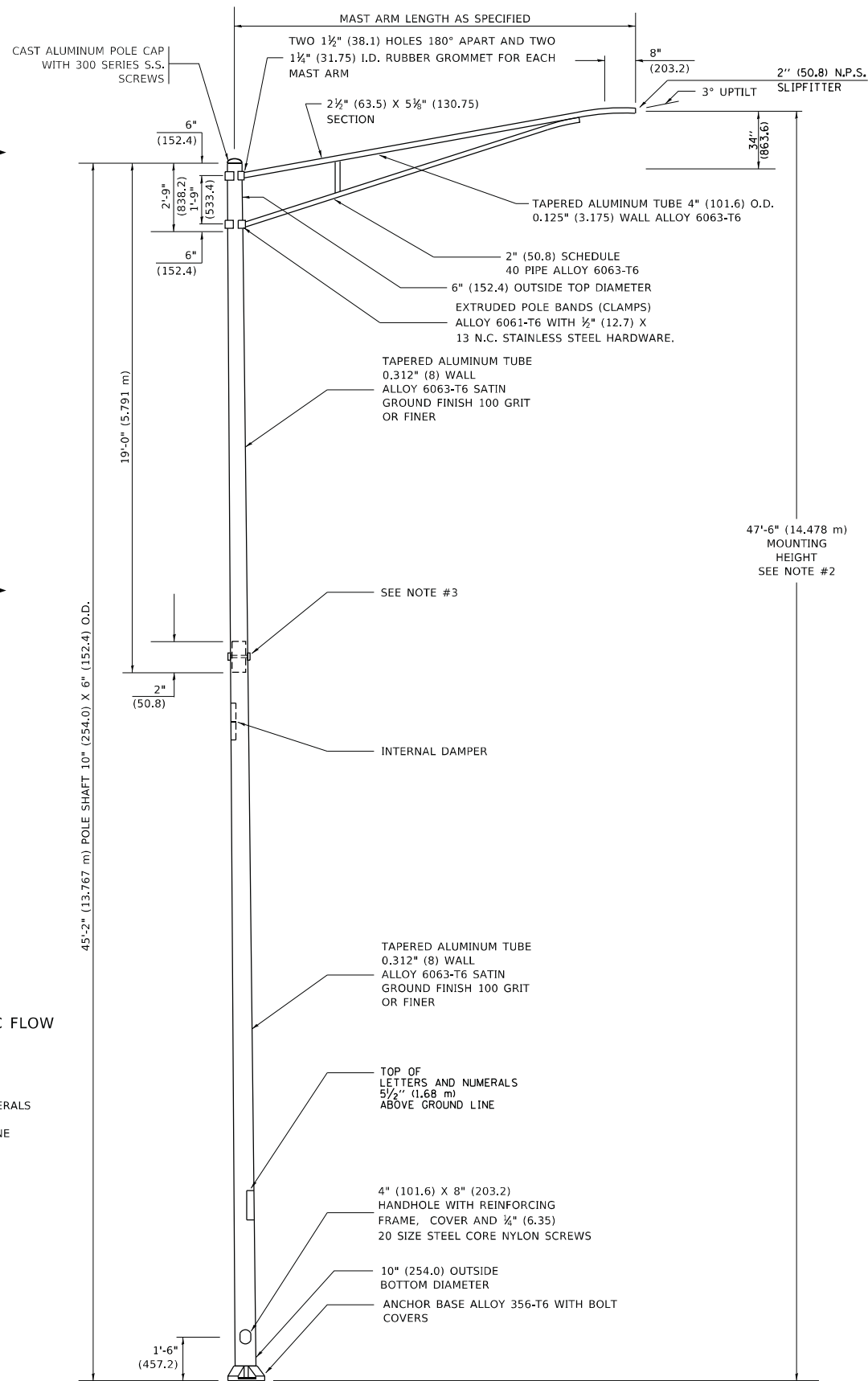
**POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES MOUNTED ON BRIDGE PARAPET OR BARRIER WALL**



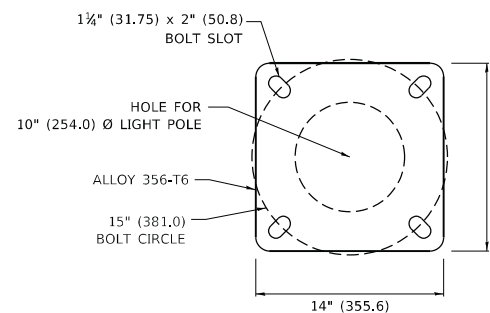
**POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES**



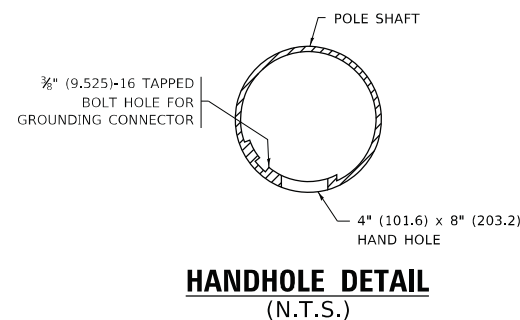
**POSITION OF HANDHOLE AND POLE NUMBER FOR TWIN MAST ARM POLES**



**6' (1.8 m) SINGLE MEMBER MAST ARM (N.T.S.)**



**LIGHT POLE BASE PLATE DETAIL 15 INCH (381.0) BOLT CIRCLE**



**HANDHOLE DETAIL (N.T.S.)**

**NOTES**

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- MOUNTING HEIGHT IS DEFINED AS THE DISTANCE FROM THE CENTERLINE OF THE TENON TO THE BOTTOM OF THE ANCHOR BASE.
- TWO PIECE SHAFT WILL BE MATCHED MARKED AND INTERCHANGEABLE BETWEEN DIFFERENT UNITS. FIELD DRILLING OF THE HOLES WILL NOT BE ALLOWED.
- THE LIGHT POLE WILL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.
- THE INSTALLING CONTRACTOR WILL PROVIDE A UL LISTED GROUNDING CONNECTOR. BURNDY K2C23, T&B SP4DL OR APPROVED EQUAL.
- LIGHT POLES WILL NOT BE INSTALLED WITHOUT MAST ARMS AND LUMINAIRES.
- LIGHT POLES WILL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.
- LIGHTING UNIT IDENTIFICATION NUMBERS SHALL BE INSTALLED BEFORE THE LIGHTING UNIT IS ENERGIZED.

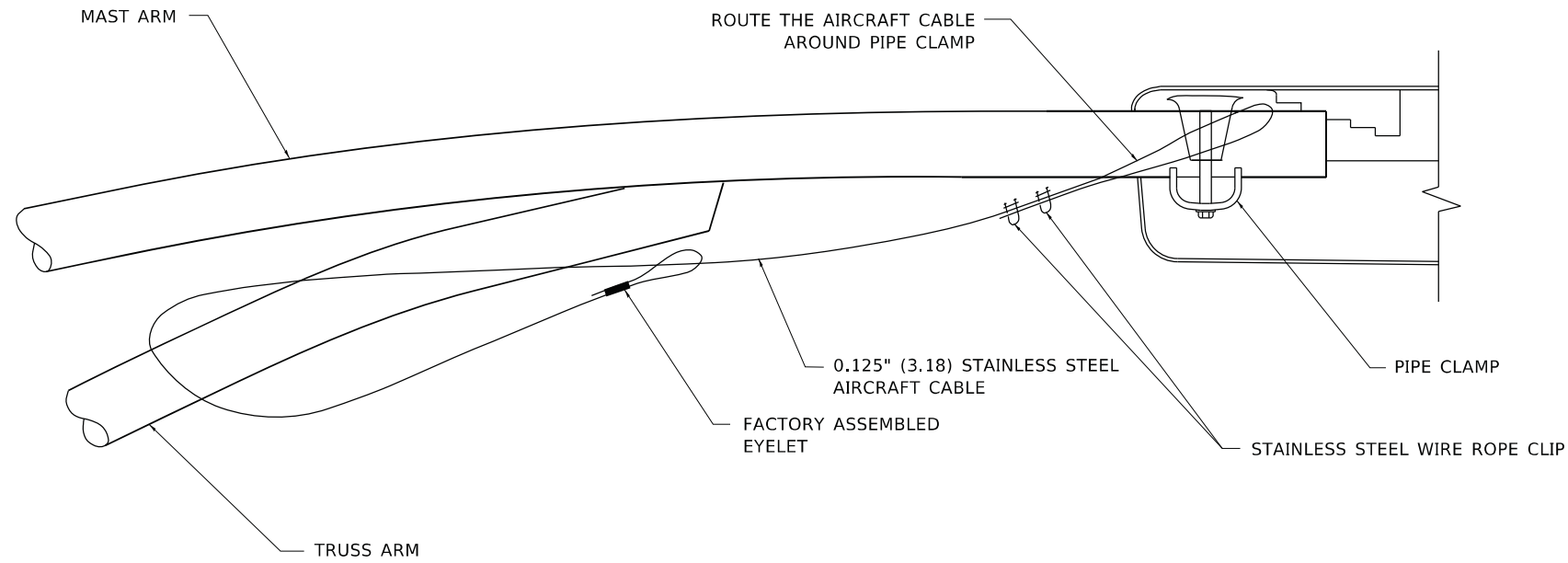
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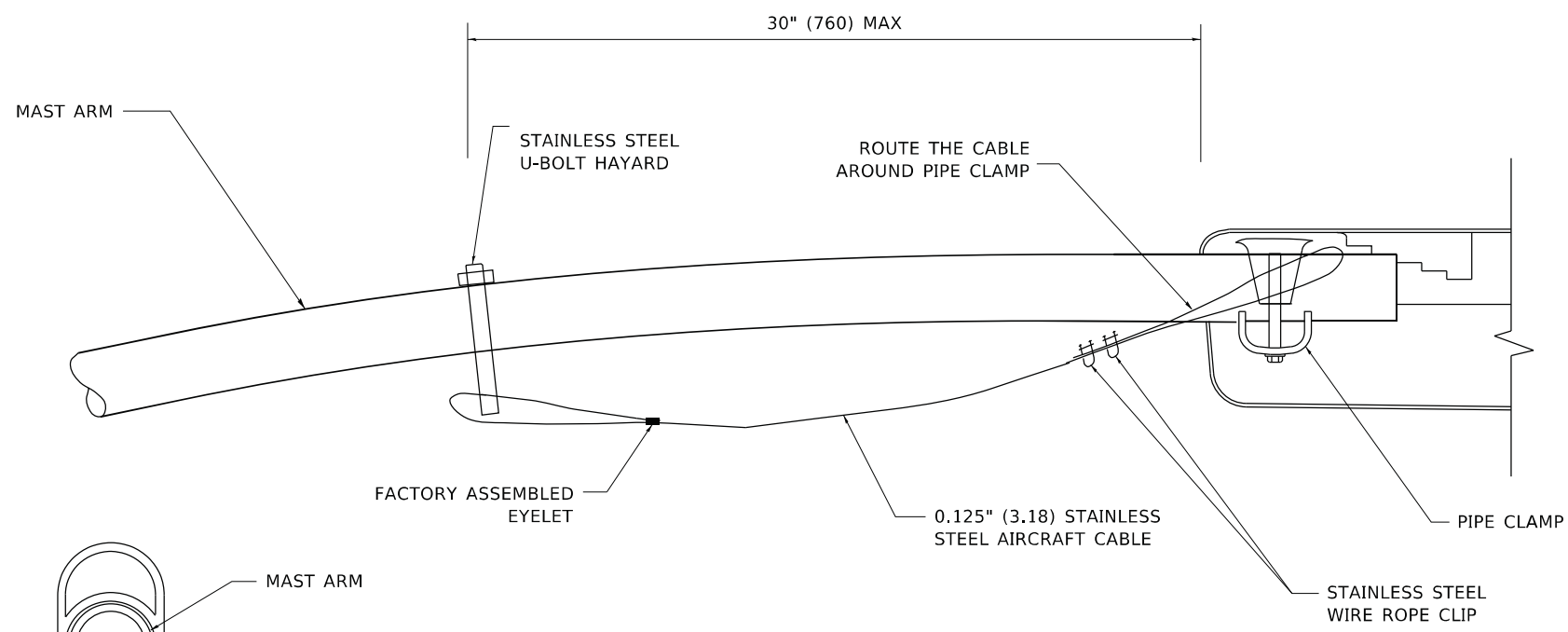
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>ALUMINUM LIGHT POLE</b>			
<b>47'-6" (14.478 m) MOUNTING HEIGHT</b>			
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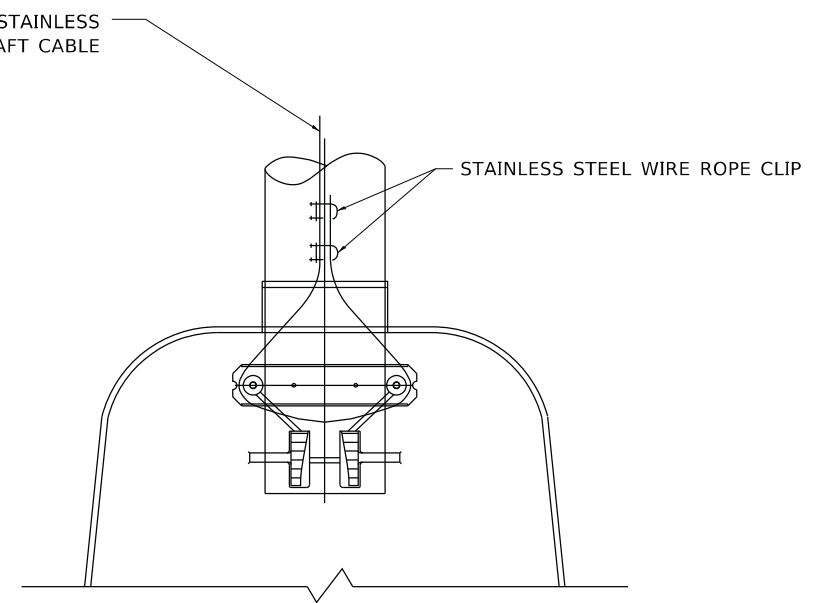
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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BE-400			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				



**SIDE VIEW (TRUSS ARM)**  
**N.T.S.**



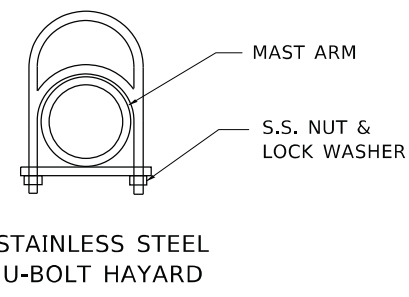
**SIDE VIEW (SINGLE MEMBER OR DAVIT ARM)**  
**N.T.S.**



**BOTTOM VIEW**  
**N.T.S.**

**NOTES:**

1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
2. CONTRACTOR SHALL ADJUST THE WIRE CLIP TO ELIMINATE ANY SLACK FROM THE WIRE ROPE.
3. THE 0.125" (3.18) STAINLESS STEEL AIRCRAFT CABLE SHALL REMAIN VISIBLE FROM THE GROUND LEVEL.
4. THE BREAKING STRENGTH OF THE CABLE SHALL BE 1700 LBS. MIN.



**STAINLESS STEEL U-BOLT HAYARD**

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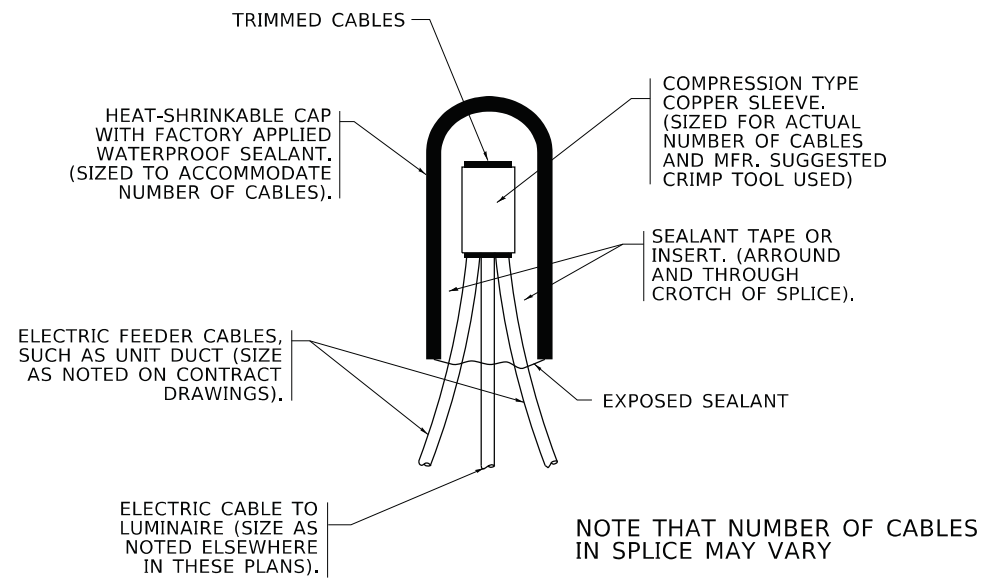
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

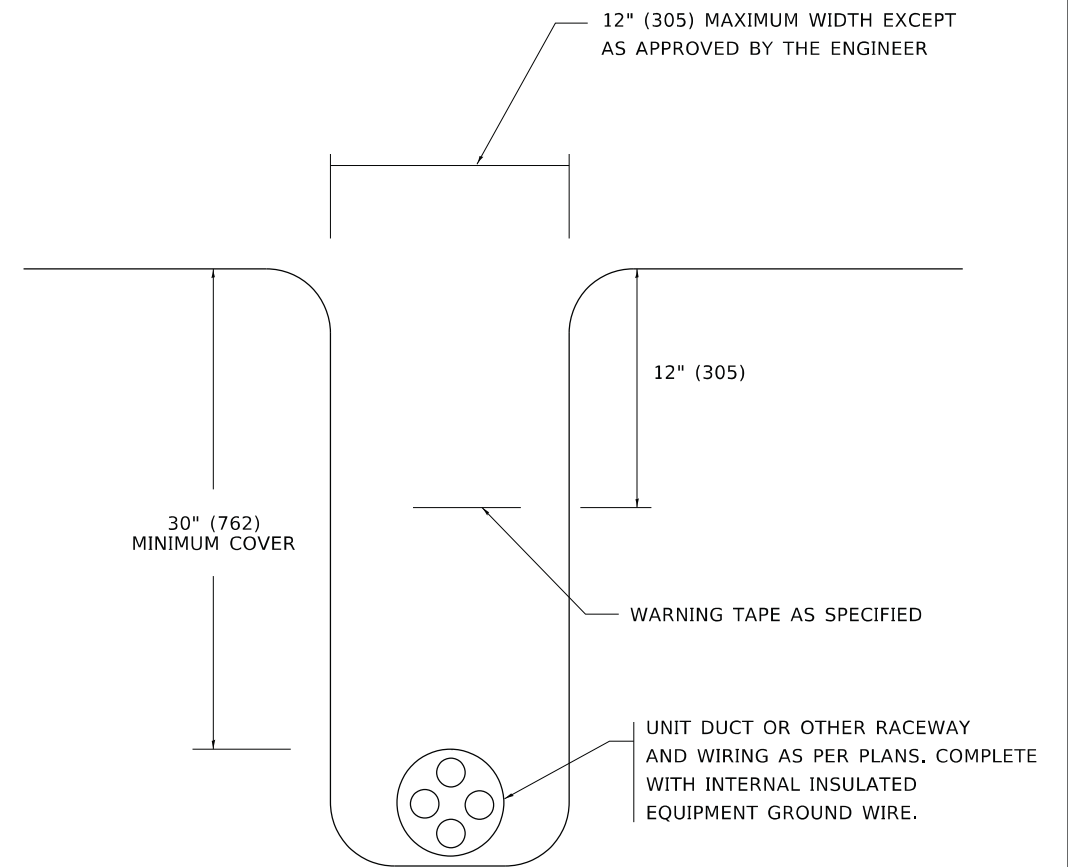
**LUMINAIRE SAFETY CABLE ASSEMBLY**

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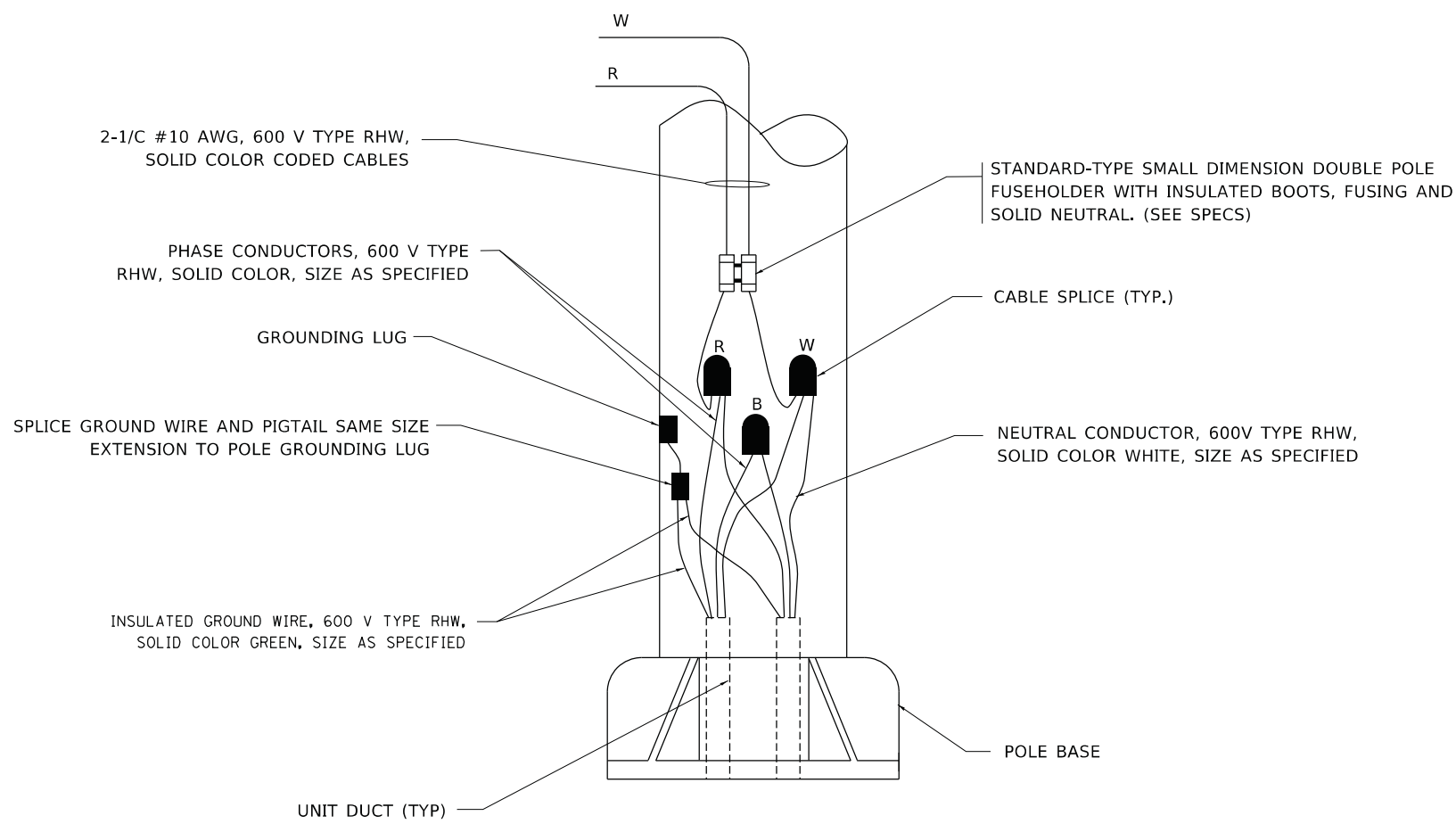
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			333	178
<b>BE-701</b>		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				



**TYPICAL SPLICE DETAIL**  
**N.T.S.**



**TYPICAL WIRING IN TRENCH DETAIL**  
**N.T.S.**



**POLE WIRING DETAIL**  
**N.T.S.**

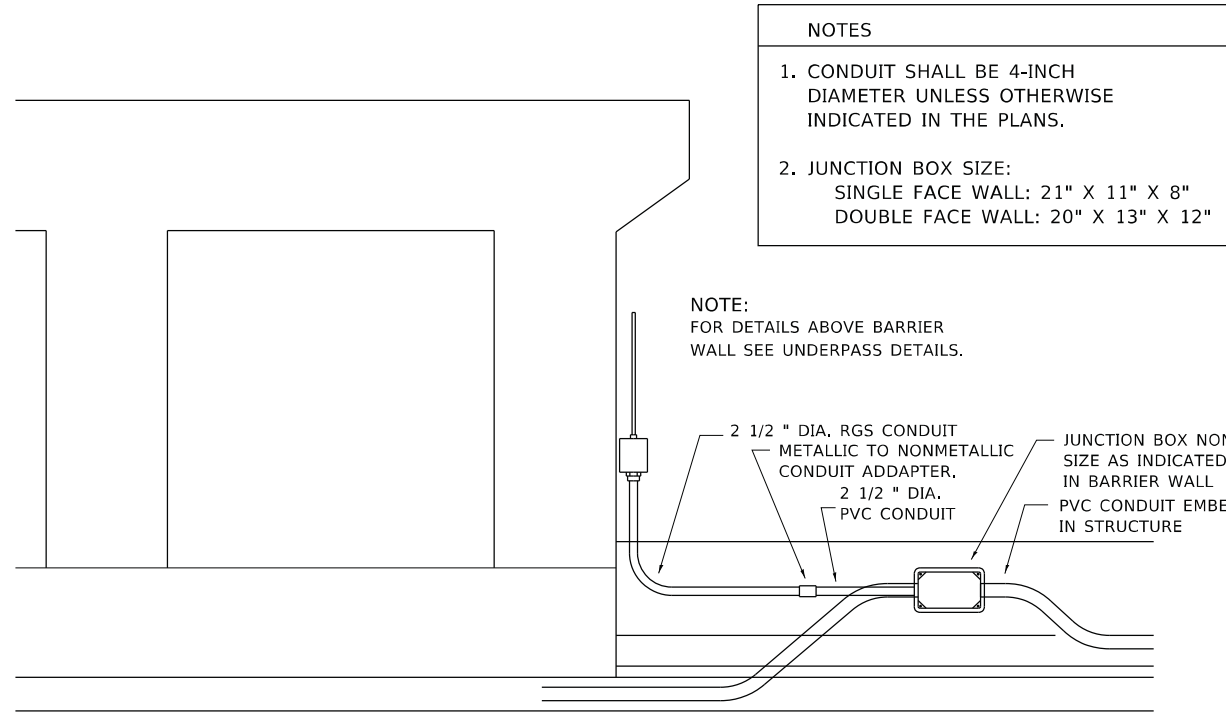
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

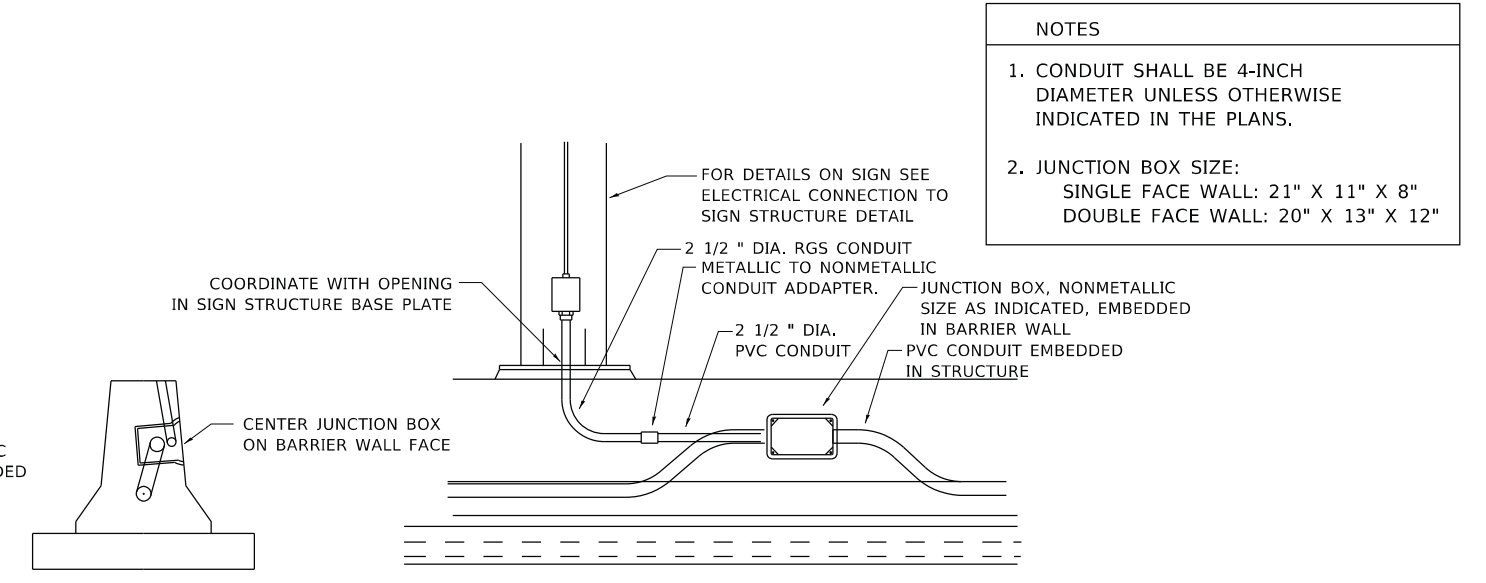
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SHEET A			
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ILLINOIS FED. AID PROJECT				



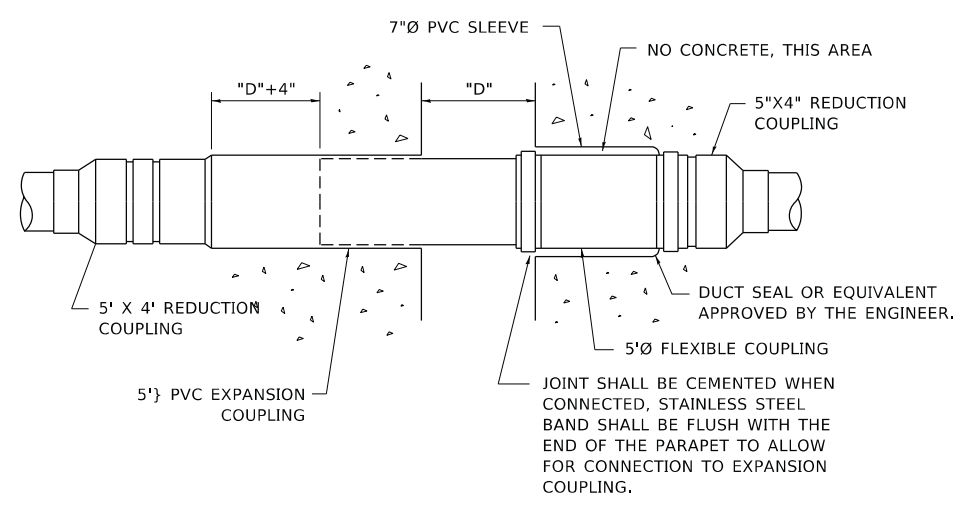
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**ELECTRIC CONNECTION TO UNDERPASS LIGHTING**



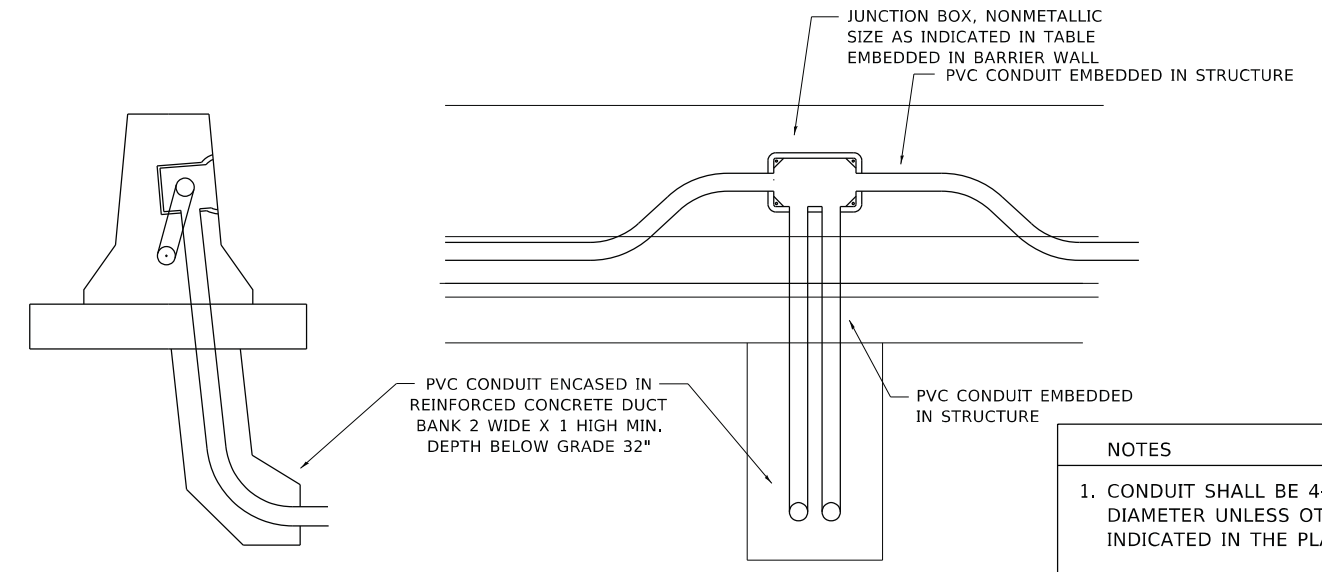
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**JUNCTION BOX EMBEDDED IN BARRIER WALL FOR SIGN LIGHTING**



**INSTALLATION OF CONDUIT IN BRIDGE PARAPET EXPANSION JOINT**

(N.T.S.)



ED - BW

**JUNCTION BOX EMBEDDED IN BARRIER WALL**

- NOTES**
- CONDUIT SHALL BE 4-INCH DIAMETER UNLESS OTHERWISE INDICATED IN THE PLANS.
  - JUNCTION BOX SIZE:  
SINGLE FACE WALL: 21" X 11" X 8"  
DOUBLE FACE WALL: 20" X 13" X 12"

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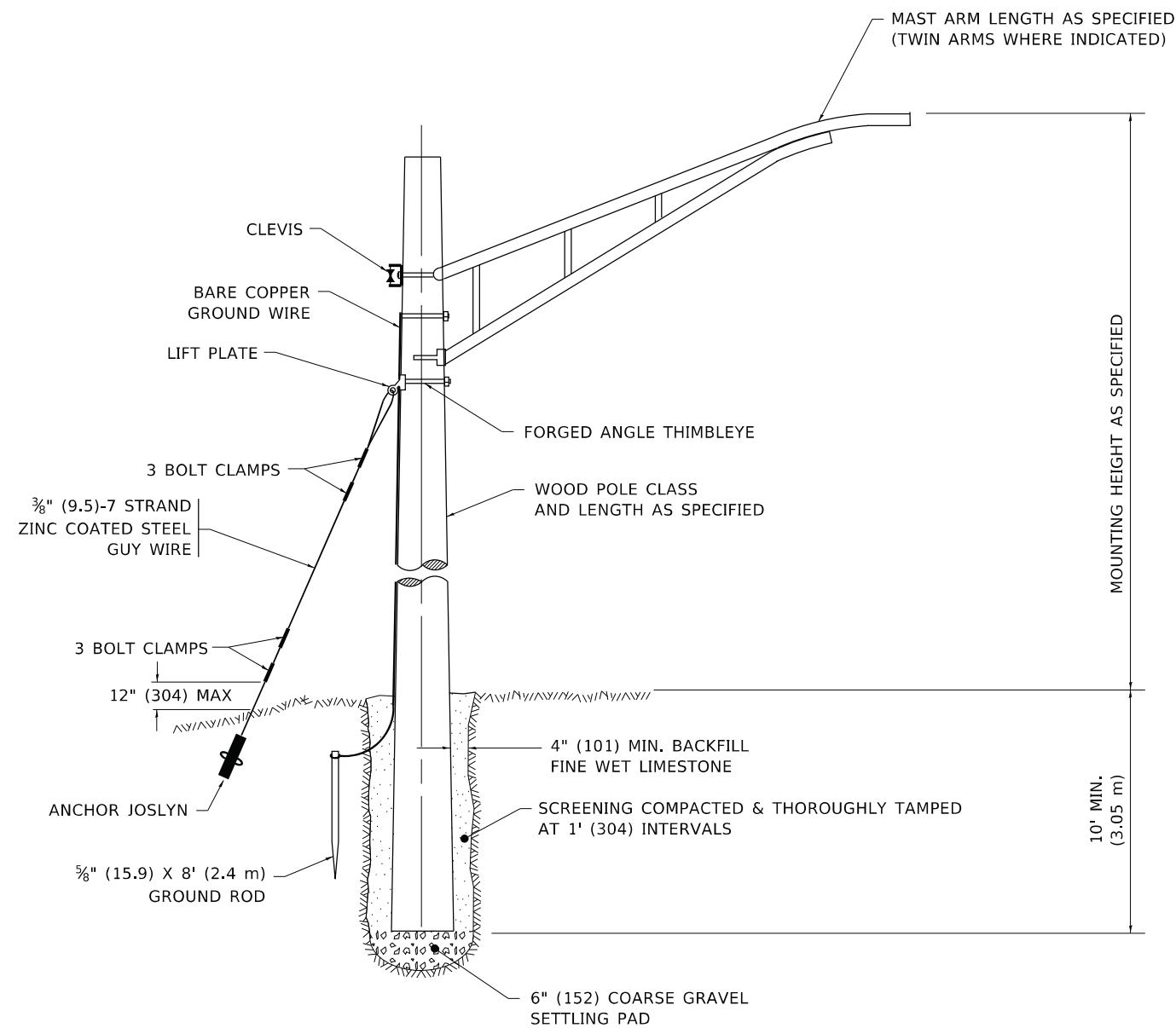
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MISCELLANEOUS ELECTRICAL DETAILS, SHEET B**  
**J BOX EMBEDDED IN BARRIER WALL - INSTALLATION OF CONDUIT IN BRIDGE PARAPET EXPANSION JOINT - ELECTRIC CONNECTION TO UNDERPASS LIGHTING**

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

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ILLINOIS FED. AID PROJECT			CONTRACT NO.	

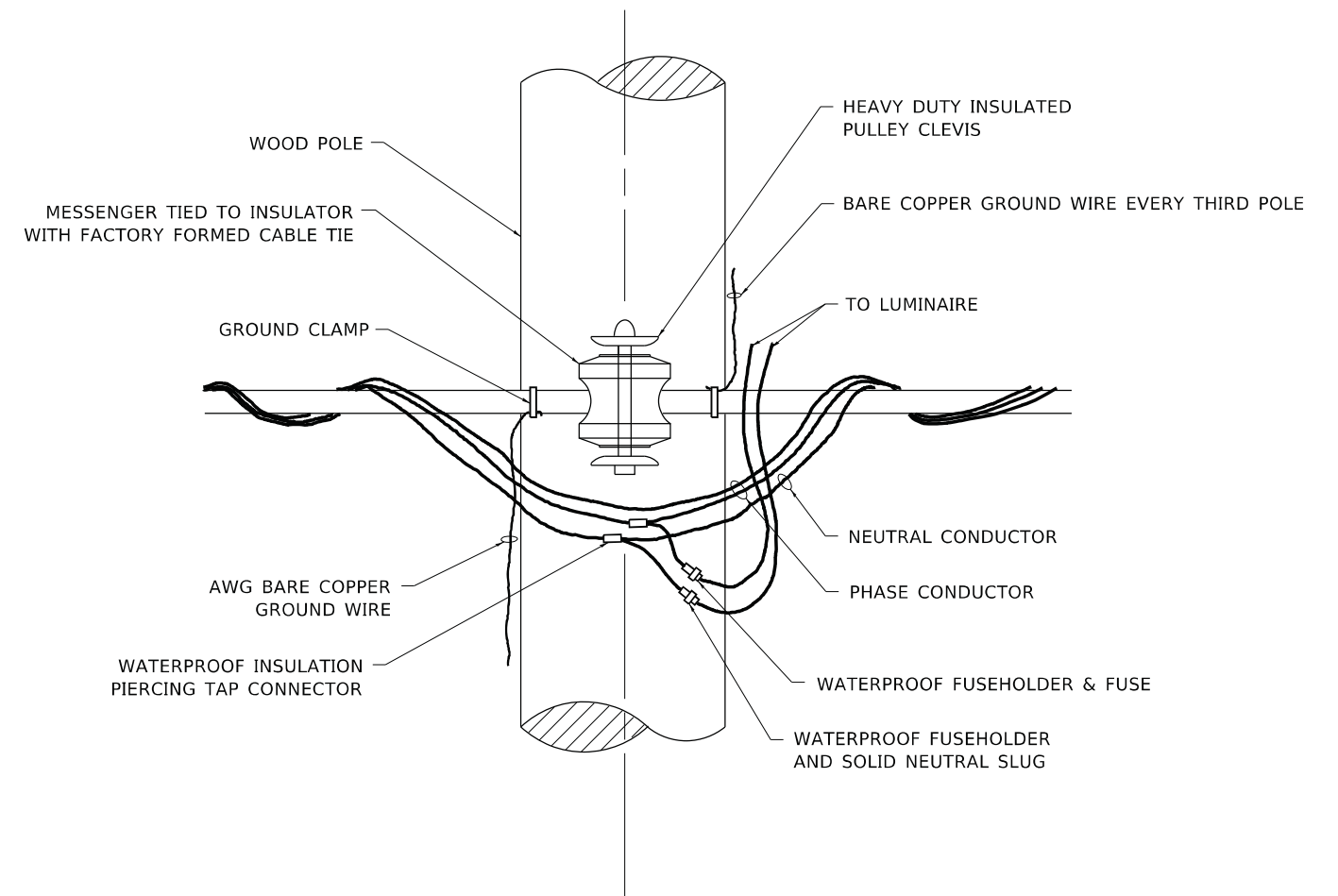




## TEMPORARY LIGHT POLE DETAIL

### NOTE:

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. MAST ARM SHALL BE RATED FOR THE SPECIFIED MOUNTING HEIGHT.



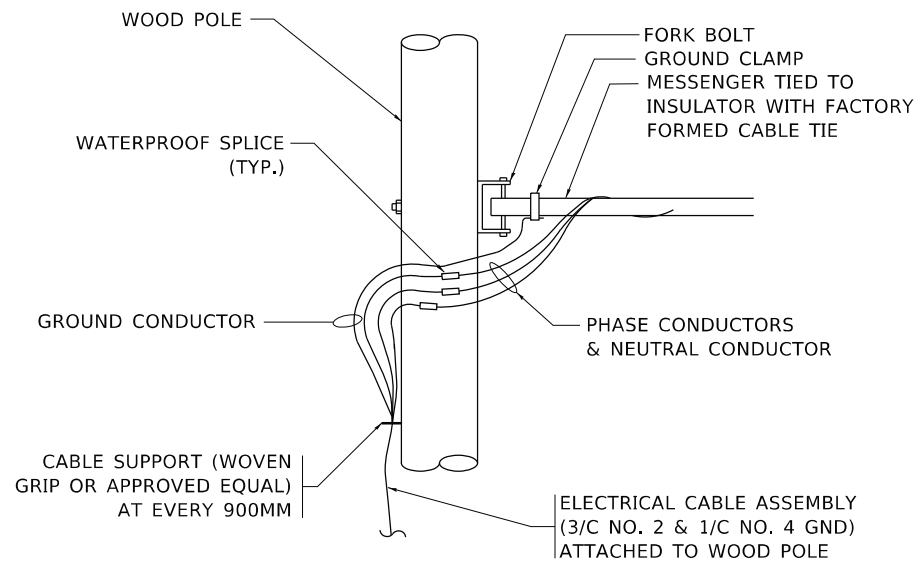
## TEMPORARY LIGHT POLE ATTACHMENT DETAIL

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHT POLE DETAILS

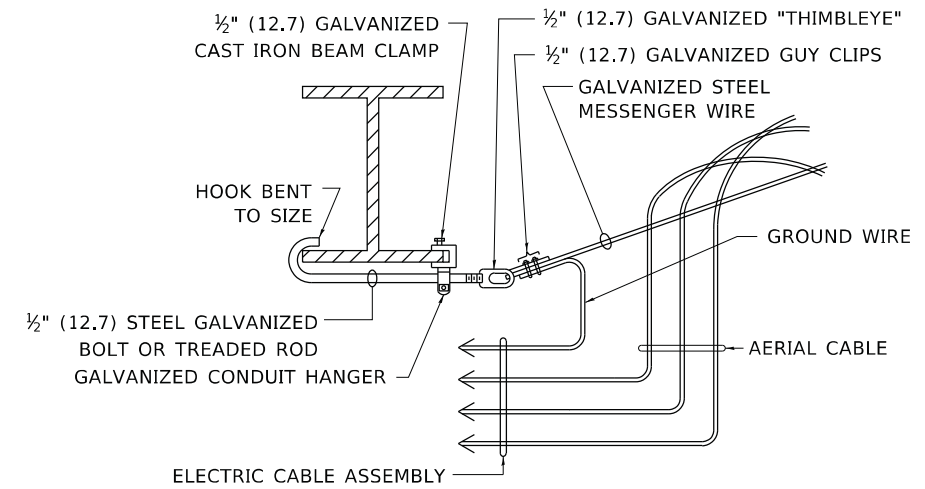
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BE-800			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				



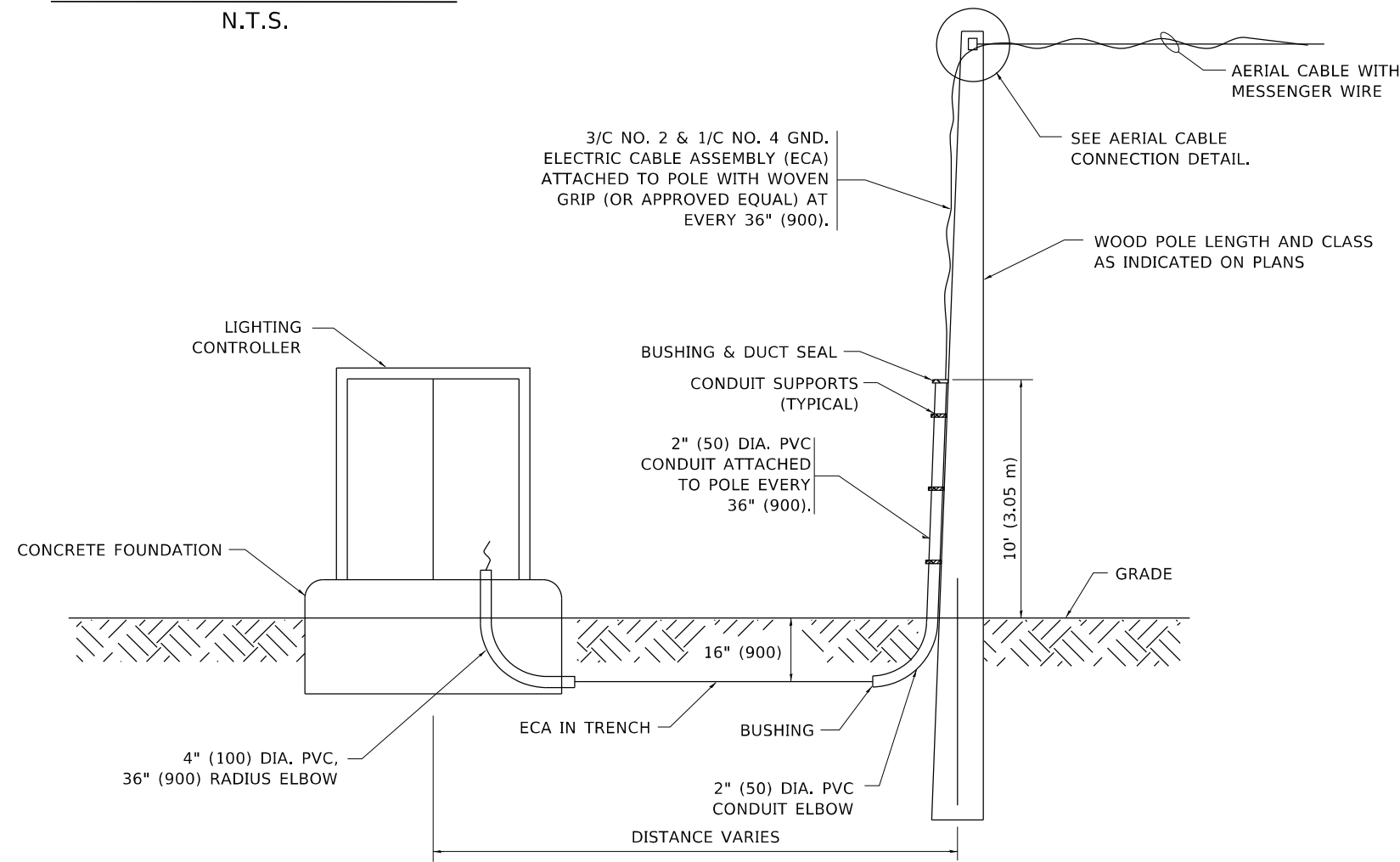
**AERIAL CABLE CONNECTION DETAIL**

N.T.S.



**AERIAL CABLE ATTACHED TO STRUCTURE**

NOT TO SCALE



**WOOD POLE TO LIGHTING CONTROLLER WIRING CONNECTION DETAIL**

N.T.S.

**NOTES:**

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. SEE PROPOSED LIGHTING PLAN FOR CONDUIT, CABLE AND ROUTING.
3. THE CONTRACTOR SHALL PROVIDE INTERMEDIATE SUPPORTS TO MAINTAIN MINIMUM CLEARANCES. REFER TO AERIAL AERIAL CABLE ATTACHED TO STRUCTURE DETAIL.
4. COST OF SPLICES AND MOUNTING HARDWARE SHALL BE INCLUDED IN THE UNIT PRICE FOR AERIAL CABLE.

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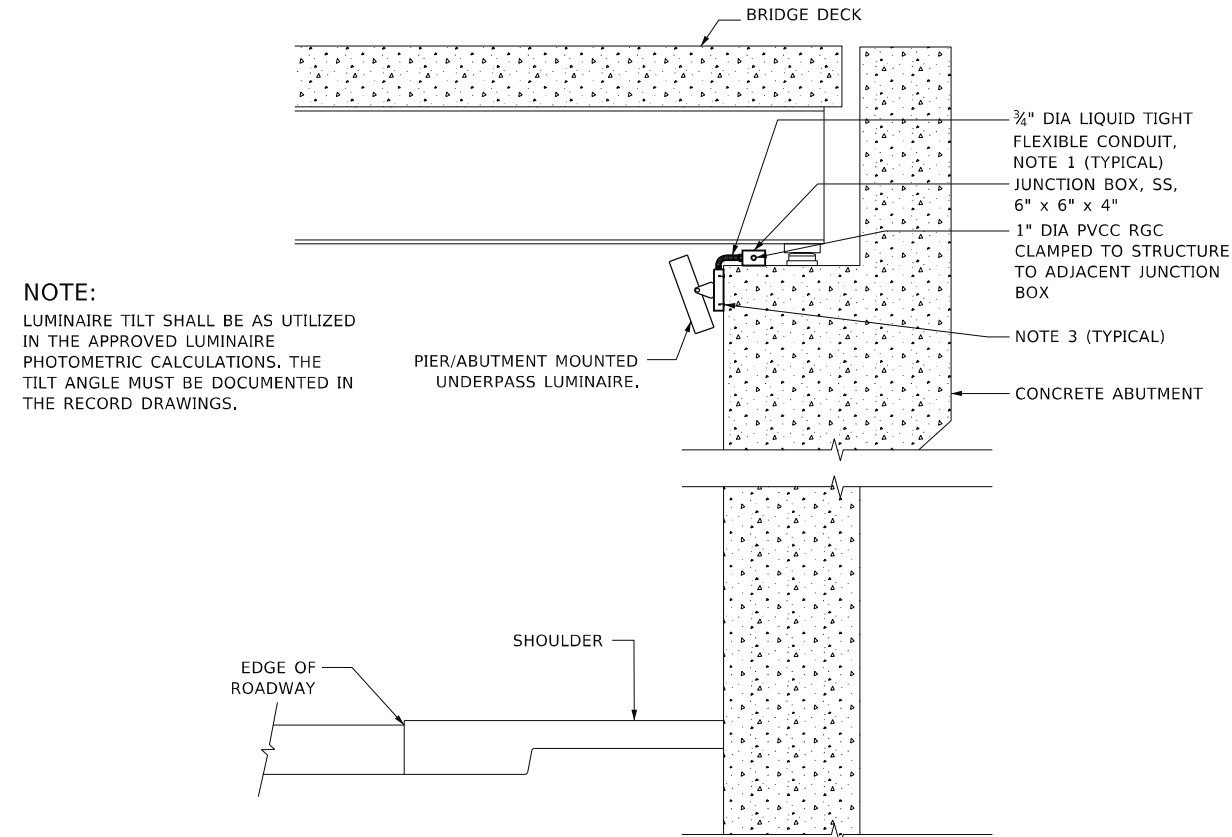
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

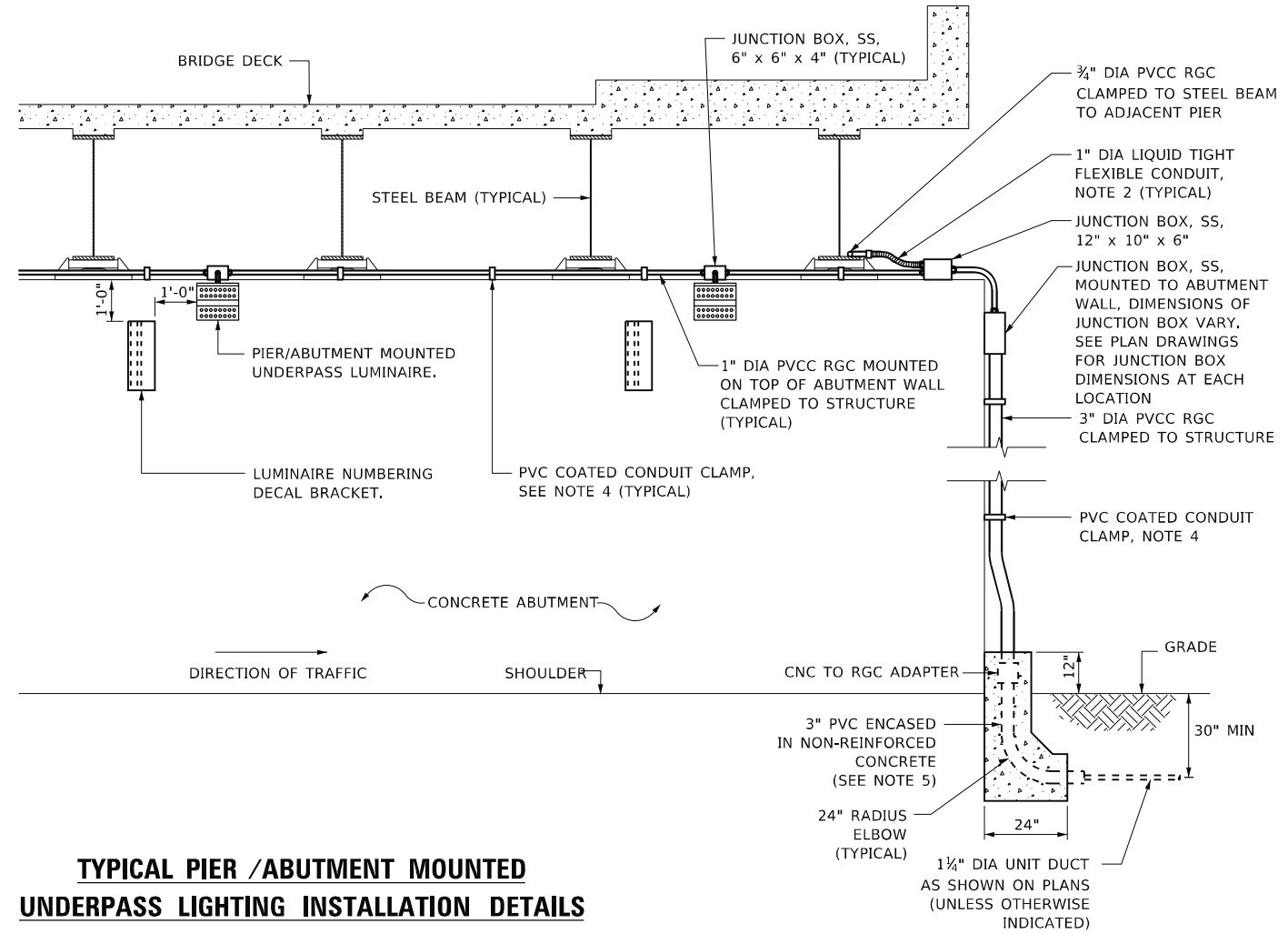
**TEMPORARY AERIAL CABLE INSTALLATION**

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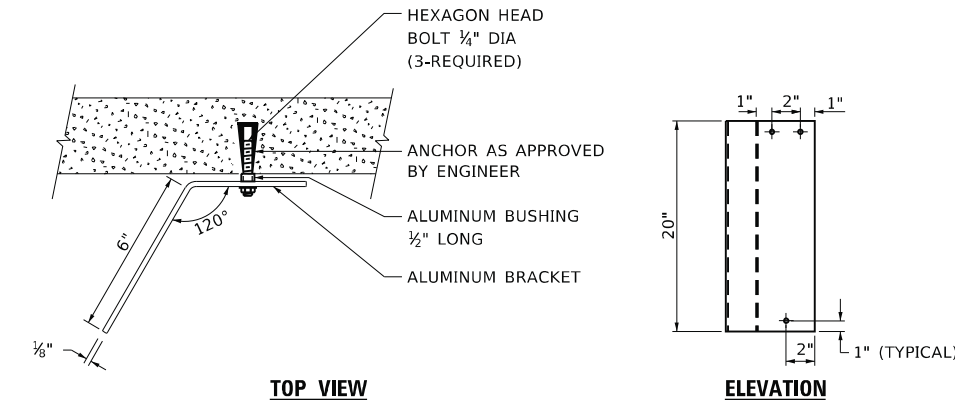
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			333	182
BE-801		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				



**NOTE:**  
LUMINAIRE TILT SHALL BE AS UTILIZED IN THE APPROVED LUMINAIRE PHOTOMETRIC CALCULATIONS. THE TILT ANGLE MUST BE DOCUMENTED IN THE RECORD DRAWINGS.

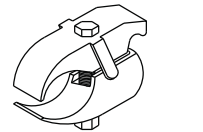


**TYPICAL PIER / ABUTMENT MOUNTED UNDERPASS LIGHTING INSTALLATION DETAILS**



**LUMINAIRE NUMBERING DECAL BRACKET**

NOT TO SCALE



**PVC COATED CONDUIT BEAM CLAMP**  
NOT TO SCALE



**PVC COATED CONDUIT CLAMP**  
NOT TO SCALE

**NOTES:**

- LIQUID TIGHT FLEXIBLE METAL CONDUIT, MAXIMUM LENGTH 6'-0", TYPICAL FOR EACH INSTANCE AS SHOWN. PROVIDE PVC COATED RIGID GALVANIZED STEEL CONDUIT AS REQUIRED NOT TO EXCEED 6'-0" OF FLEXIBLE LIQUID TIGHT METAL CONDUIT. LIQUID TIGHT FLEXIBLE METAL CONDUIT WILL BE INCLUDED IN THE COST OF THE CONDUIT ATTACHED TO STRUCTURE, OF THE CORRESPONDING DIA., GALVANIZED STEEL, PVC COATED PAY ITEM EXCEPT THAT THE COST OF THE " DIA. RIGID STEEL CONDUIT AND " DIA. FLEXIBLE CONDUIT SHALL BE INCLUDED IN THE LUMINAIRE INSTALLATION.
- SEE UNDERPASS LIGHTING PLANS FOR INSTALLATION LOCATION OF UNDERPASS LIGHTING LUMINAIRE.
- UNDERPASS LUMINAIRE MOUNTED TO FACE OF PIER OR ABUTMENT WALL WITH ½" ALUMINUM SPACERS, MOUNTING HEIGHT OF 1" BELOW THE TOP OF PIER OR ABUTMENT WALL TYPICAL FOR ALL PIER/ABUTMENT MOUNTED UNDERPASS LUMINAIRE UNLESS OTHERWISE NOTED.
- EXPANSION ANCHOR, POWDER ACTUATED FASTENERS WILL NOT BE ALLOWED. EXPANSION ANCHOR MUST BE SIZED IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS.
- SECURE THE CONDUIT WITH PVC COATED CONDUIT CLAMPS OR CONDUIT BEAM CLAMPS AS SHOWN AT 5'-0" INTERVALS FOR LATERALS AND WITHIN 2'-0" MAXIMUM FROM ANY JUNCTION BOX, FLEXIBLE CONDUIT, OR CHANGE IN DIRECTION. ALL PVC COATED CONDUIT CLAMPS OR BEAM CLAMPS SHALL BE INCLUDED WITH THE COST OF THE "CONDUIT ATTACHED TO STRUCTURE, OF THE CORRESPONDING DIA., GALVANIZED STEEL, PVC COATED" PAY ITEM.
- THE CONCRETE ENCASED CONDUIT TRANSITION SHALL BE INCLUDED IN THE COST OF THE GALVANIZED RIGID STEEL CONDUIT PAY ITEMS.
- ALL CONDUIT ATTACHED TO STRUCTURE SHALL BE PVC COATED RIGID STEEL CONDUIT (PVCC RGC) TYPICAL.

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PIER / ABUTMENT MOUNTED LED UNDERPASS  
LUMINAIRE INSTALLATION DETAILS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ILLINOIS		FED. AID PROJECT		

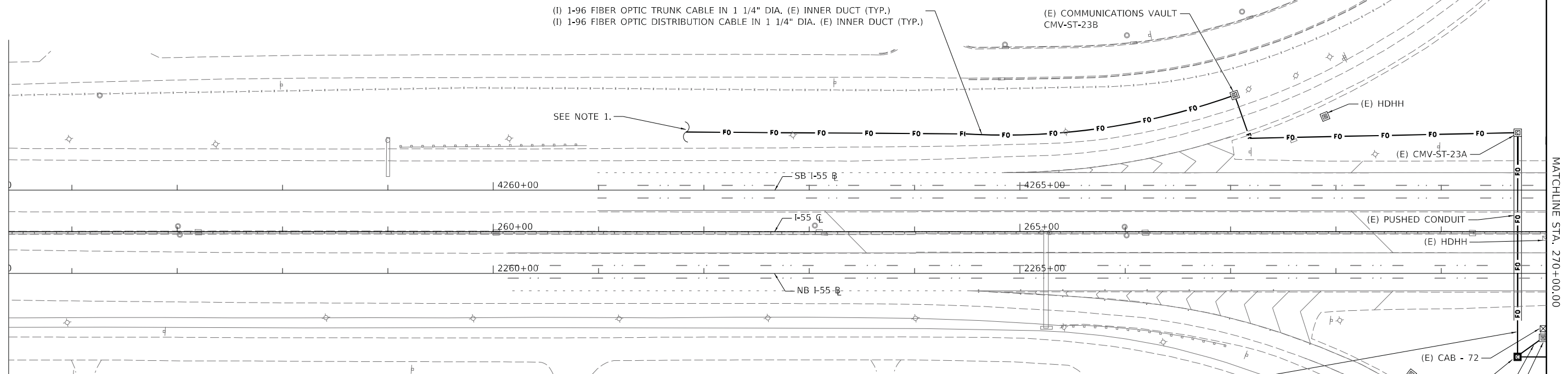
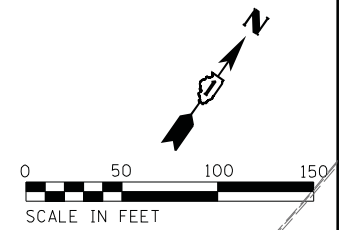
CONTRACT NO. 62G39

**LEGEND**

- E EXISTING
- I INSTALL
- FOC FIBER OPTIC CABLE
- HDHH HEAVY DUTY HANDHOLE
- CMV COMMUNICATIONS VAULT
- LF LINEAR FOOT

**NOTES:**

1. DISTRIBUTION AND TRUNK FIBER OPTIC CABLES IN CONFLICT WITH THE WORK SHALL BE REPLACED FROM MAINLINE SPLICE POINT TO MAINLINE SPLICE POINT. ADDITIONAL FIBER OPTIC SPLICES ARE NOT ALLOWED. CONTRACTOR TO COORDINATE WITH IDOT ENGINEER.
2. IDOT FACILITIES ARE NOT LOCATED BY JULIE OR DIGGER. IDOT ELECTRICAL FACILITIES INCLUDING ROADWAY LIGHTING, FIBER OPTIC, ITS EQUIPMENT, TRAFFIC SIGNAL AND PUMP STATION FACILITIES ARE LOCATED BY THE DEPARTMENT'S ELECTRICAL MAINTENANCE CONTRACTOR. AS OF THE LETTING DATE, CONTACT THE MEADE ELECTRIC COMPANY AT 773-287-7672.
3. INSTALL 12 FIBER FO CABLE AND TERMINATE ALL FIBERS IN EXISTING SURVEILLANCE CABINET. THIS WORK SHALL BE INCLUDED IN THE COST OF THE 12 FIBER OPTIC CABLE.



ITEM#	DESCRIPTION	UNIT	QTY
81400200	HEAVY-DUTY HANDHOLE	EACH	3
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	440
87000885	ELECTRIC CABLE ASSEMBLY IN CONDUIT, 600V (XLP-TYPE TC) 2/C NO. 6 AND NO. 8	FOOT	1500
87301727	ELECTRIC CABLE IN CONDUIT, COMMUNICATION NO. 19 6C	FOOT	1500
81028750	UNDERGROUND CONDUIT, COILABLE NOMETALLIC CONDUIT, 2" DIA.	FOOT	1960
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1500
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIAMETER	FOOT	45
Z0033052	COMMUNICATIONS VAULT	EACH	2
X0323814	FIBER OPTIC CABLE SPLICE - LATERAL	EACH	3
X0327607	FIBER OPTIC CABLE SPLICE - MAINLINE	EACH	2
X0325040	FIBER OPTIC INNERDUCT 1 1/4" DIA.	FOOT	3120
X8710035	FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	10000
X8710036	FIBER OPTIC CABLE 12 FIBERS, SINGLE MODE	FOOT	500
87900200	DRILL EXISTING HANDHOLE	EACH	3

- (I) 1-96 FIBER OPTIC TRUNK CABLE IN 1 1/4" DIA. (E) INNER DUCT (TYP.)
- (I) 1-96 FIBER OPTIC DISTRIBUTION CABLE IN 1 1/4" DIA. (E) INNER DUCT (TYP.)
- (E) HDHH
- (I) FIBER OPTIC SPLICE-LATERAL (I) CMV-ST-23
- (I) 1-12 FIBER OPTIC CABLE IN 1 1/4" INNER DUCT, NOTE 3
- (E) HDHH

MODEL: D:\draft\... FILE NAME: G:\D180501 IDOT D1\_188-002 ISS Over Lemont (TY) \N\1005Sheet FileID:163639-14-15 ITS01.dgn



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PLOT DATE = 1/24/2021	CHECKED - KK/HM	REVISED -
	DATE - 01/29/21	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD  
PROPOSED ITS PLAN**

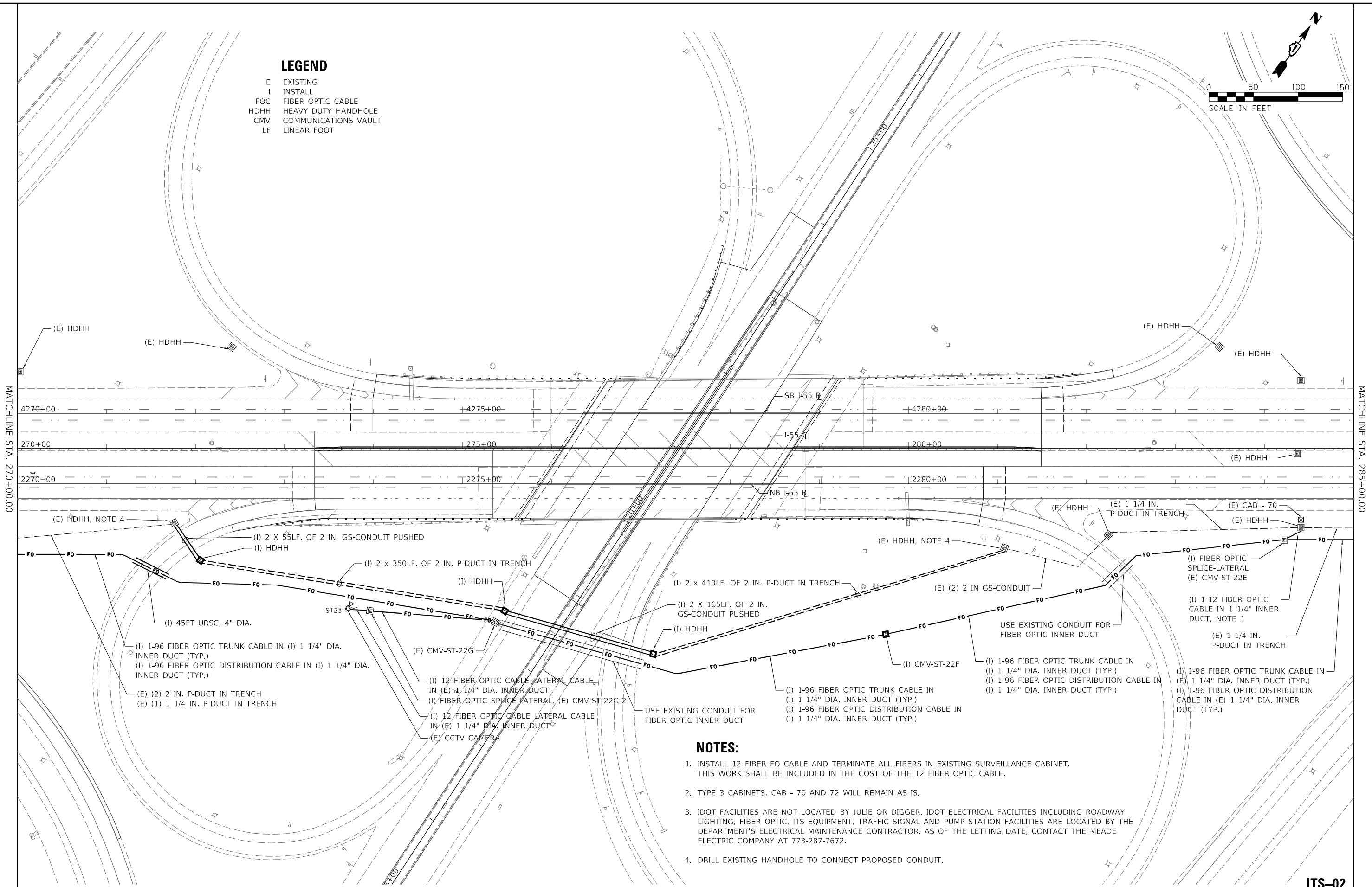
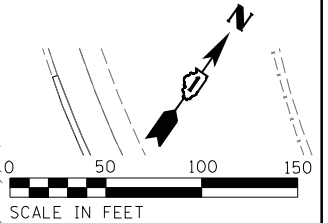
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	184
			CONTRACT NO. 62G39	
ILLINOIS FED. AID PROJECT				

**ITS-01**

**LEGEND**

- E EXISTING
- I INSTALL
- FOC FIBER OPTIC CABLE
- HDHH HEAVY DUTY HANDHOLE
- CMV COMMUNICATIONS VAULT
- LF LINEAR FOOT



**NOTES:**

1. INSTALL 12 FIBER FO CABLE AND TERMINATE ALL FIBERS IN EXISTING SURVEILLANCE CABINET. THIS WORK SHALL BE INCLUDED IN THE COST OF THE 12 FIBER OPTIC CABLE.
2. TYPE 3 CABINETS, CAB - 70 AND 72 WILL REMAIN AS IS.
3. IDOT FACILITIES ARE NOT LOCATED BY JULIE OR DIGGER. IDOT ELECTRICAL FACILITIES INCLUDING ROADWAY LIGHTING, FIBER OPTIC, ITS EQUIPMENT, TRAFFIC SIGNAL AND PUMP STATION FACILITIES ARE LOCATED BY THE DEPARTMENT'S ELECTRICAL MAINTENANCE CONTRACTOR. AS OF THE LETTING DATE, CONTACT THE MEADE ELECTRIC COMPANY AT 773-287-7672.
4. DRILL EXISTING HANDHOLE TO CONNECT PROPOSED CONDUIT.

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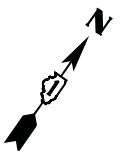
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PLOT SCALE = 50.0000' / in.	DRAWN - AM	REVISED -
PLOT DATE = 1/24/2021	CHECKED - KK/HM	REVISED -
	DATE - 01/29/21	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD  
PROPOSED ITS PLAN**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	185
CONTRACT NO. 62G39			ILLINOIS FED. AID PROJECT	

**ITS-02**

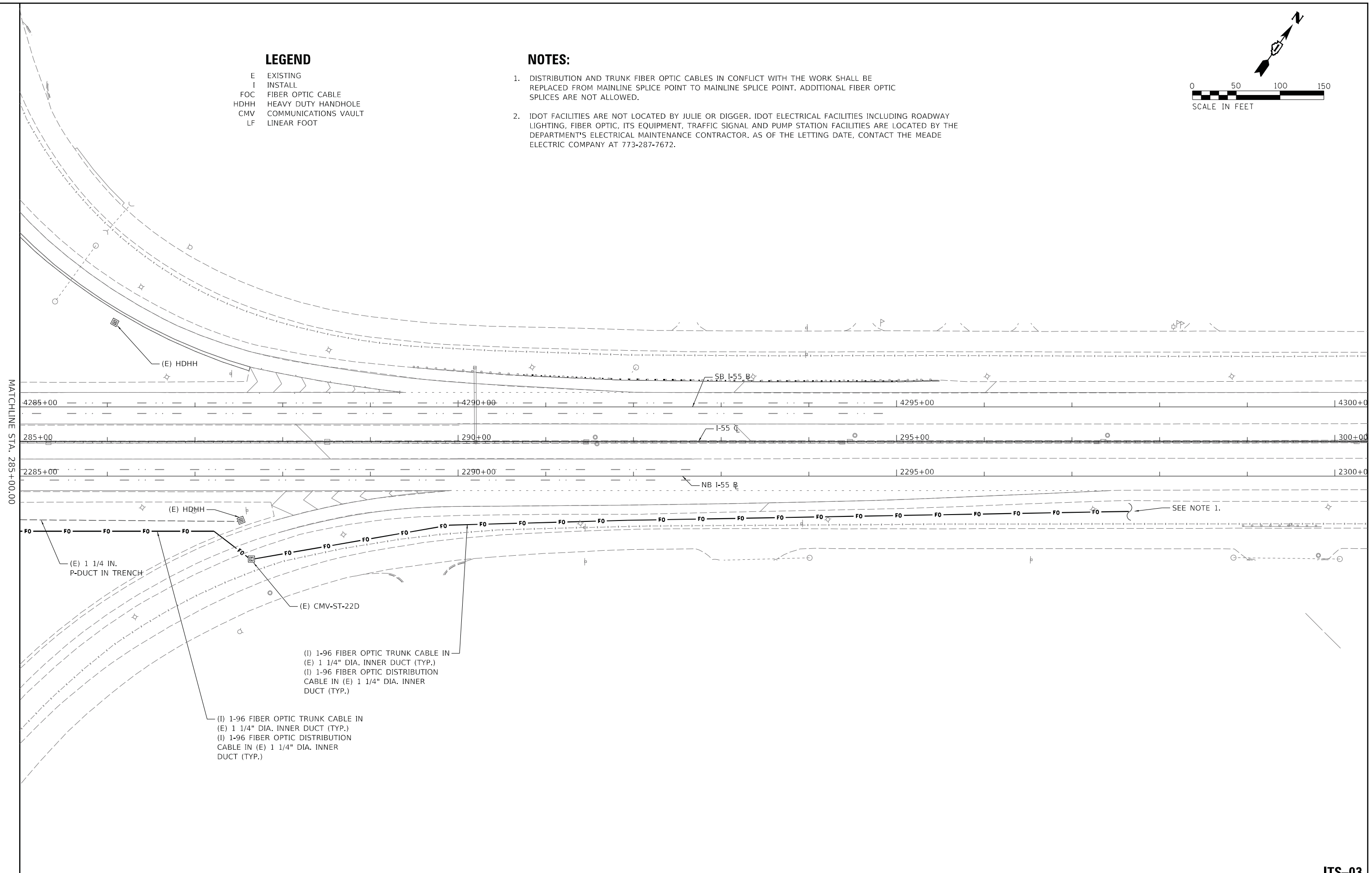


**LEGEND**

- E EXISTING
- I INSTALL
- FOC FIBER OPTIC CABLE
- HDHH HEAVY DUTY HANDHOLE
- CMV COMMUNICATIONS VAULT
- LF LINEAR FOOT

**NOTES:**

1. DISTRIBUTION AND TRUNK FIBER OPTIC CABLES IN CONFLICT WITH THE WORK SHALL BE REPLACED FROM MAINLINE SPLICE POINT TO MAINLINE SPLICE POINT. ADDITIONAL FIBER OPTIC SPLICES ARE NOT ALLOWED.
2. IDOT FACILITIES ARE NOT LOCATED BY JULIE OR DIGGER. IDOT ELECTRICAL FACILITIES INCLUDING ROADWAY LIGHTING, FIBER OPTIC, ITS EQUIPMENT, TRAFFIC SIGNAL AND PUMP STATION FACILITIES ARE LOCATED BY THE DEPARTMENT'S ELECTRICAL MAINTENANCE CONTRACTOR. AS OF THE LETTING DATE, CONTACT THE MEADE ELECTRIC COMPANY AT 773-287-7672.



MATCHLINE STA. 285+00.00

(I) 1-96 FIBER OPTIC TRUNK CABLE IN  
(E) 1 1/4" DIA. INNER DUCT (TYP.)  
(I) 1-96 FIBER OPTIC DISTRIBUTION  
CABLE IN (E) 1 1/4" DIA. INNER  
DUCT (TYP.)

(I) 1-96 FIBER OPTIC TRUNK CABLE IN  
(E) 1 1/4" DIA. INNER DUCT (TYP.)  
(I) 1-96 FIBER OPTIC DISTRIBUTION  
CABLE IN (E) 1 1/4" DIA. INNER  
DUCT (TYP.)

SEE NOTE 1.

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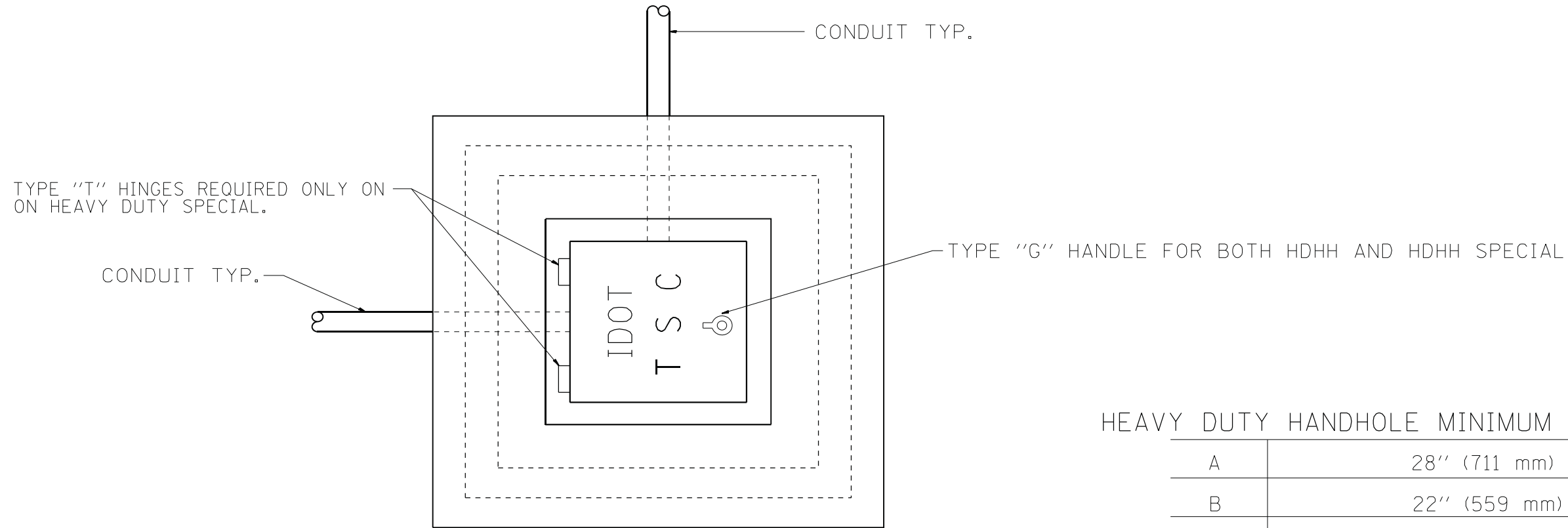
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PLOT DATE = 1/24/2021	DATE - 01/29/21	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 INTERCHANGE IMPROVEMENT OVER LEMONT ROAD  
PROPOSED ITS PLAN**

SCALE: 1"=50'	SHEET 3	OF 3	SHEETS	STA.	TO STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	186
			CONTRACT NO. 62G39	
			ILLINOIS FED. AID PROJECT	

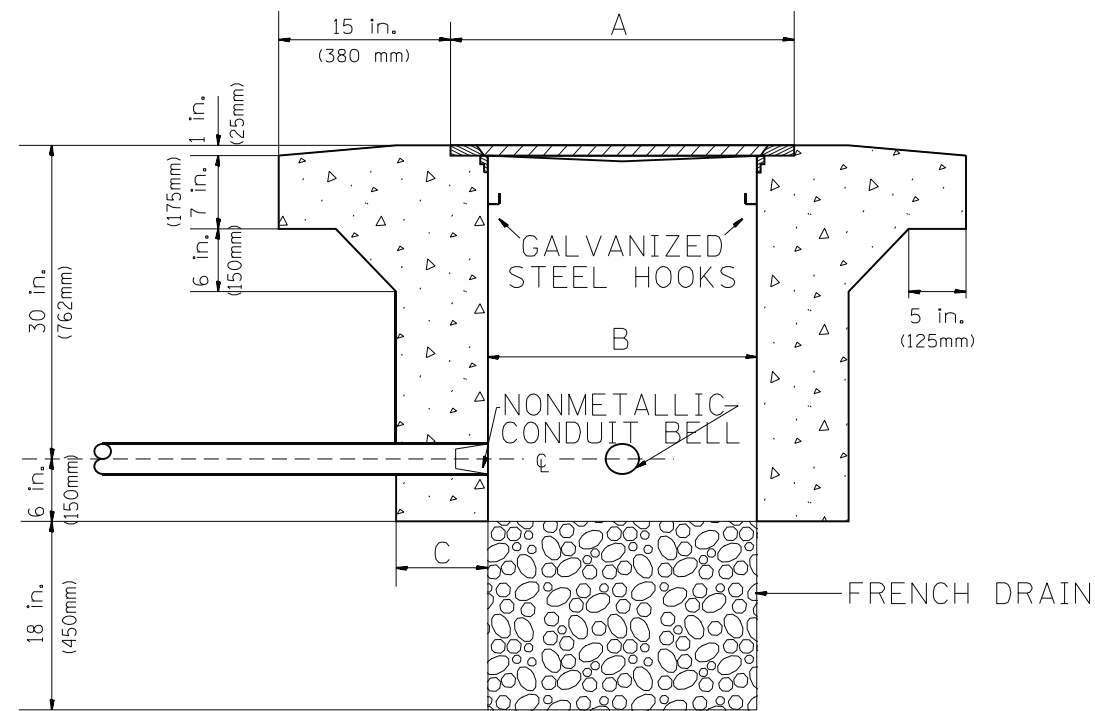


PLAN

HEAVY DUTY HANDHOLE MINIMUM DIMENSIONS (UNHINGED)

A	28" (711 mm)
B	22" (559 mm)
C	8" (200 mm)

(FRAME AND COVER 260 LBS. (118 Kg.) MIN.)



ELEVATION

HEAVY DUTY HANDHOLE SPECIAL MINIMUM DIMENSIONS

A	31.5" (800 mm)
B	30.0" (762 mm)
C	10.0" (250 mm)

(FRAME AND COVER 405 LBS. (184 Kg. (405))

PC CONCRETE - HEAVY DUTY HAND HOLE

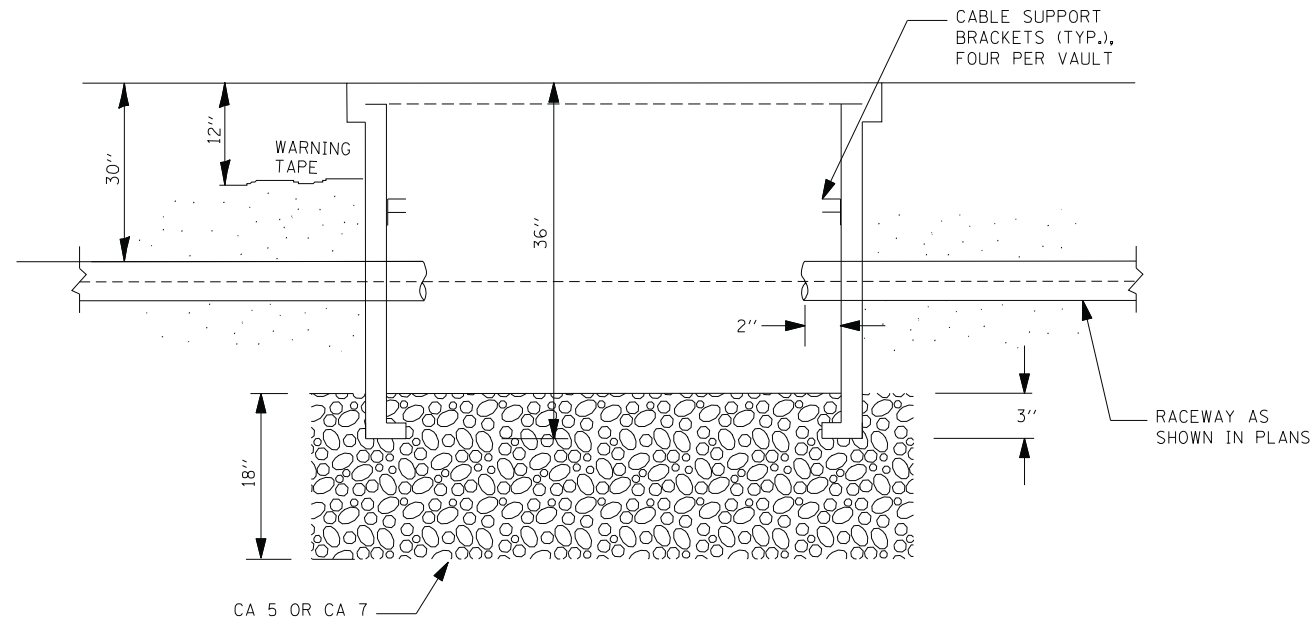
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USER NAME = mezag	DESIGNED - R.L.	REVISED - 04/97
PLOT SCALE = 100,0000' / in.	DRAWN - G.M.	REVISED -
PLOT DATE = 6/14/2019	CHECKED - R.L.	REVISED -
	DATE - 09/11/96	REVISED -

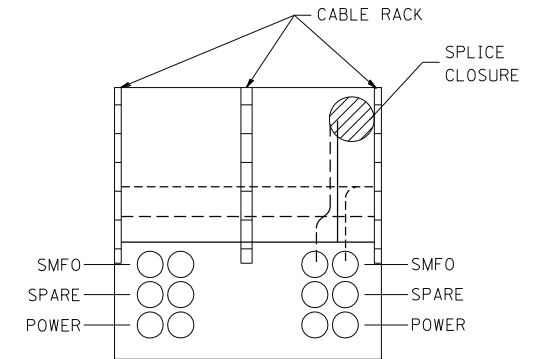
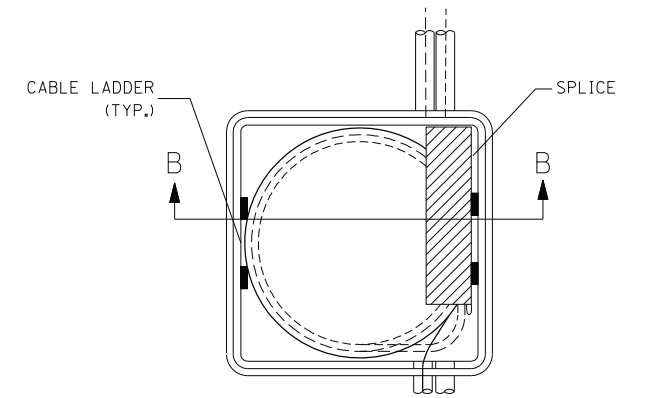
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
TRAFFIC SYSTEMS CENTER

PC CONCRETE - HEAVY DUTY HAND HOLE			
SCALE: NONE	SHEET	OF SHEETS	STA. TO STA.

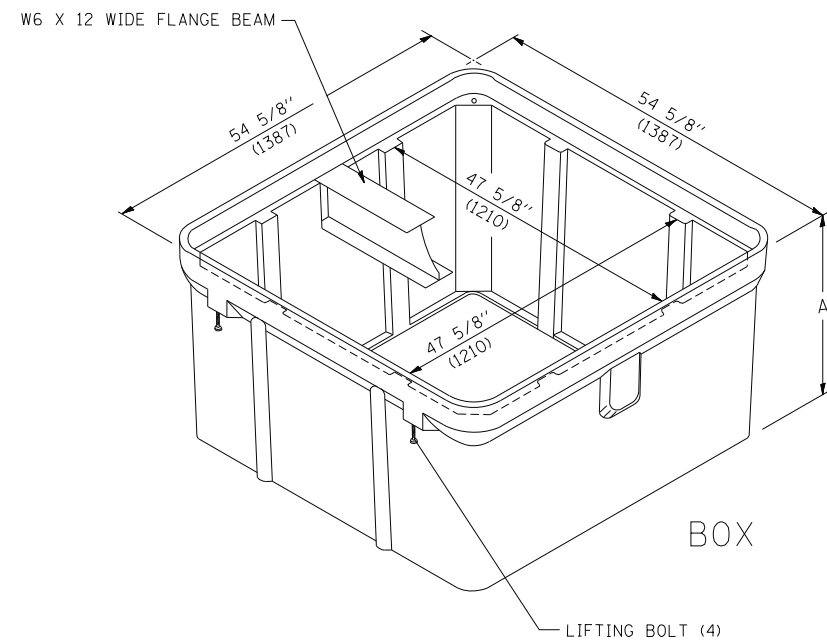
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			333	187
CONTRACT NO.				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



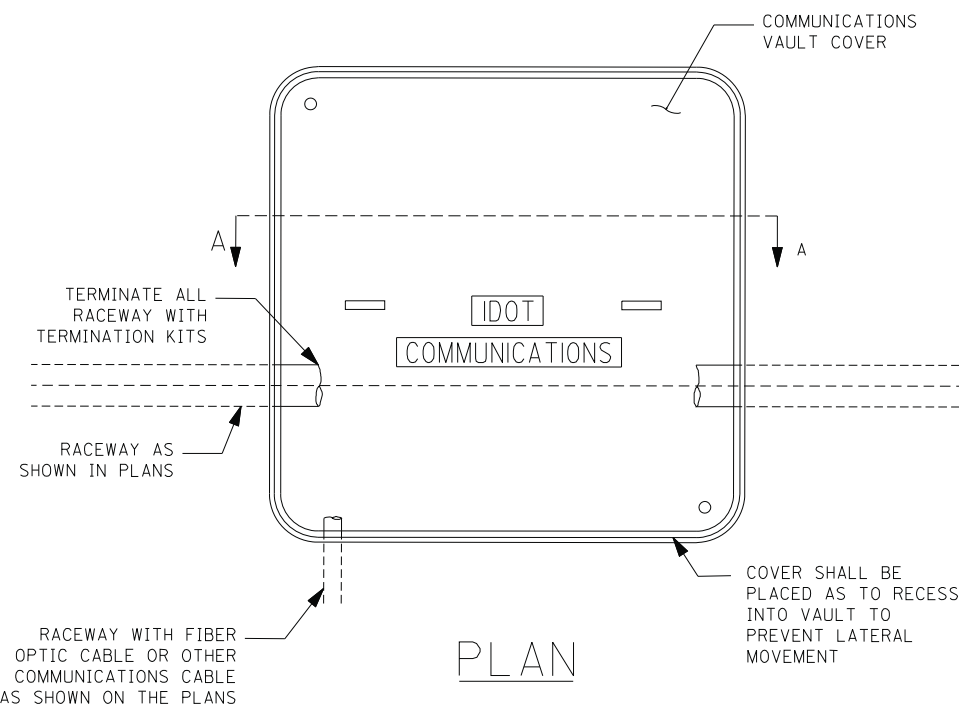
SECTION A-A



SECTION B-B



ISOMETRIC



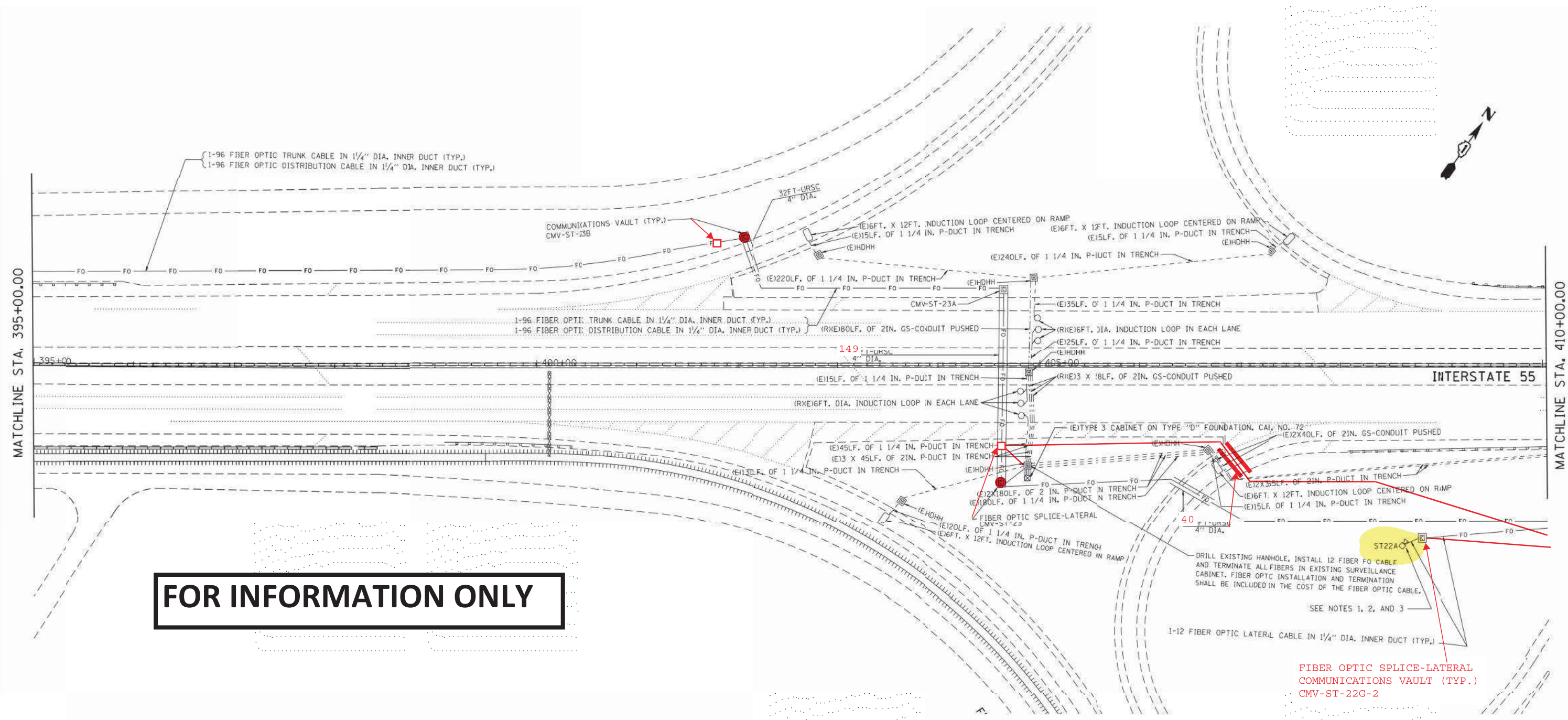
PLAN

NOTES:

1. BOX SHALL HAVE AN OPEN BASE.
2. COVER SHALL WITHSTAND A 22,500/33,750 DESIGN/TEST LOADING AND SHALL LOCK.
3. ALL OPENINGS IN STRUCTURE MUST BE MACHINED AT TIME OF FABRICATION OR PUNCH DRIVEN AT TIME OF PLACEMENT. IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
4. FIELD PLACEMENT OF COMMUNICATIONS VAULT SHALL BE AS DIRECTED BY THE ENGINEER.
5. ALL DIMENSIONS ARE MINIMUM AND A LARGER SIZE HANDHOLE MAY BE USED, WITH THE APPROVAL OF THE ENGINEER, TO FACILITATE USING A MANUFACTURER'S STANDARD PRODUCT.

FILE NAME =	USER NAME = leuso	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>COMMUNICATIONS VAULT, COMPOSITE CONCRETE</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = 3/29/2010	DATE - 03-22-10	REVISED -		COMMUNICATIONS VAULT, COMPOSITE CONCRETE			BE-705		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			





**FOR INFORMATION ONLY**

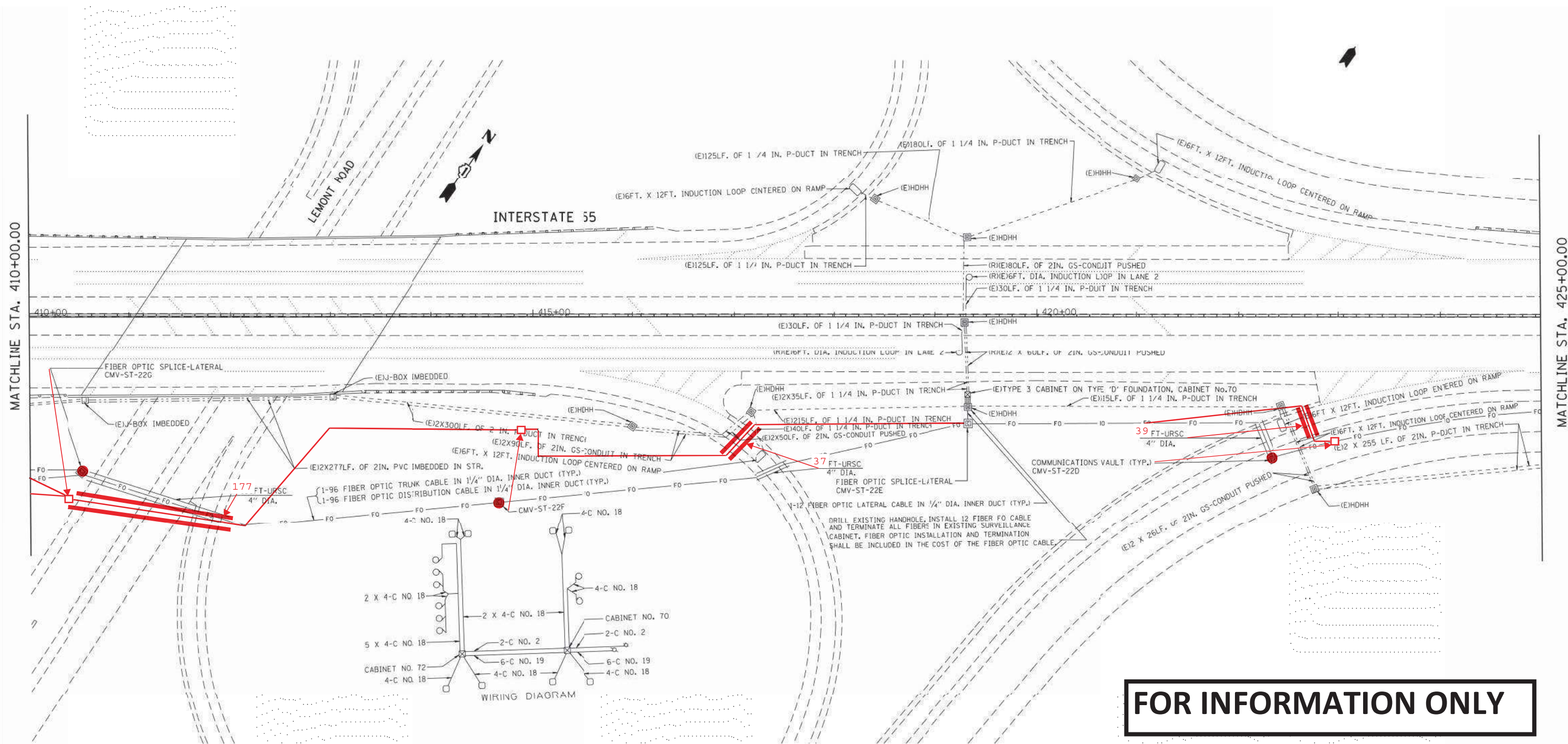
**NOTES:**

- 1) REPLACE EXISTING CCTV CAMERA LOWERING DEVICE.
- 2) REPLACE EXISTING CCTV CAMERA WITH HD CCTV CAMERA.
- 3) CONVERT EXISTING WIRELESS CCTV INSTALLATION TO FIBER OPTIC.

**RECORD DRAWING**  
**BY: CT DATE: 4/16/2019**

FILE NAME =	USER NAME = paragnol	DESIGNED =	REVISED =	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>ITS PLAN</b> <b>I-55 (SOUTH OF LEMONT RD.) (CAB. #72)</b>	F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA. ILLINOIS FED. AID PROJECT



**FOR INFORMATION ONLY**

**RECORD DRAWING  
BY: CT DATE: 4/16/2019**

FILE NAME =	USER NAME = paragnol	DESIGNED =	REVISED =	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ITS PLAN I-55 (LEMONT RD.) (CAB. #70)</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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SCALE: 1" = 50'    SHEET OF SHEETS    STA. TO STA.    ILLINOIS FED. AID PROJECT

# TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE -ROUND	 	 	SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD		
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND	 	 	SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE		
MASTER CONTROLLER			DOUBLE HANDHOLE			PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
MASTER MASTER CONTROLLER			JUNCTION BOX			PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
UNINTERRUPTABLE POWER SUPPLY			RAILROAD CANTILEVER MAST ARM			ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"	 	 
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD FLASHING SIGNAL			NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	 	 	RAILROAD CROSSING GATE			GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)		
TELEPHONE CONNECTION			RAILROAD CROSSBUCK			ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			RAILROAD CONTROLLER CABINET			COAXIAL CABLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			VENDOR CABLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			SYSTEM ITEM	S	SP	FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F	  	  
WOOD POLE			INTERSECTION ITEM	I	IP	GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE	   	   
GUY WIRE			REMOVE ITEM		R			
SIGNAL HEAD			RELOCATE ITEM		RL			
SIGNAL HEAD WITH BACKPLATE			ABANDON ITEM		A			
SIGNAL HEAD OPTICALLY PROGRAMMED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF			
FLASHER INSTALLATION -(FS) SOLAR POWERED	 	 	MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF			
PEDESTRIAN SIGNAL HEAD			SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF			
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON	 	 	DETECTOR LOOP, TYPE I					
RADAR DETECTION SENSOR			PREFORMED DETECTOR LOOP					
VIDEO DETECTION CAMERA			SAMPLING (SYSTEM) DETECTOR					
RADAR/VIDEO DETECTION ZONE			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR					
PAN, TILT, ZOOM (PTZ) CAMERA			QUEUE AND SAMPLING (SYSTEM) DETECTOR					
EMERGENCY VEHICLE LIGHT DETECTOR			WIRELESS DETECTOR SENSOR					
CONFIRMATION BEACON			WIRELESS ACCESS POINT					
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								

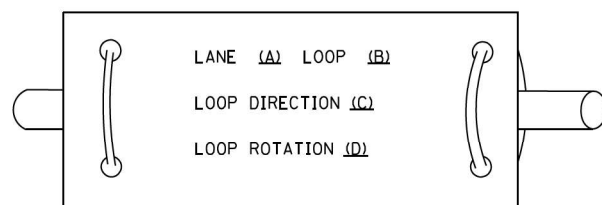
TS SHT NO. 1

FILE NAME =	USER NAME = plascencia	DESIGNED - IP	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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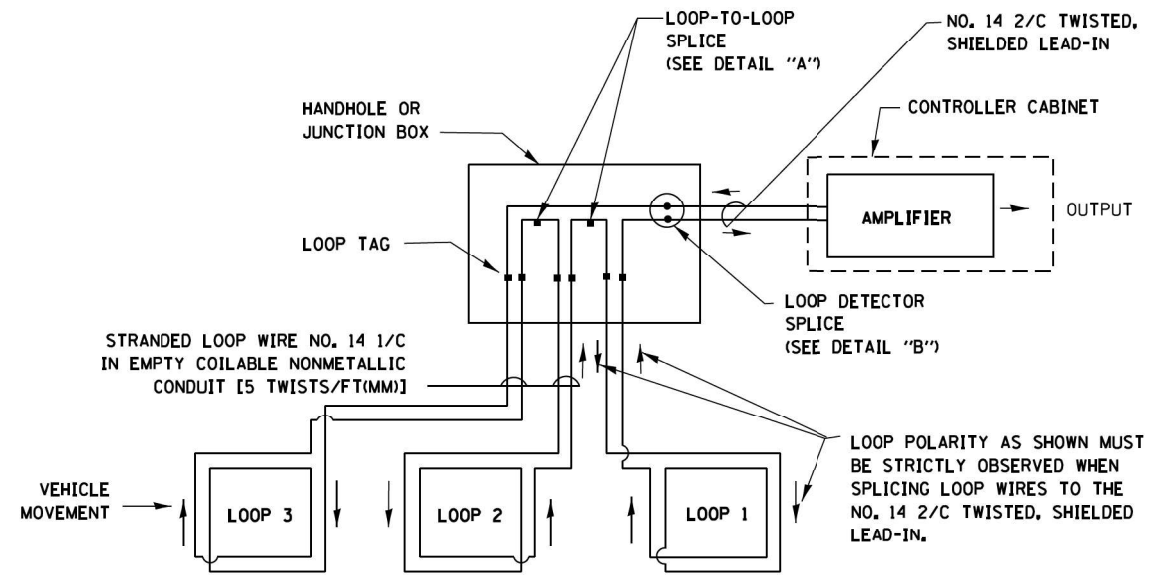
**LOOP DETECTOR NOTES**

- EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
- THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
- EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
- ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
- IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
- LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
- PERFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PERFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

**LOOP LEAD-IN CABLE TAG**

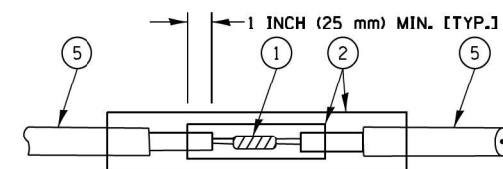


- LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

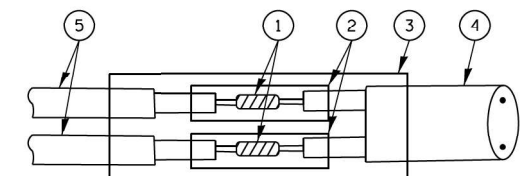


**DETECTOR LOOP WIRING SCHEMATIC**

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

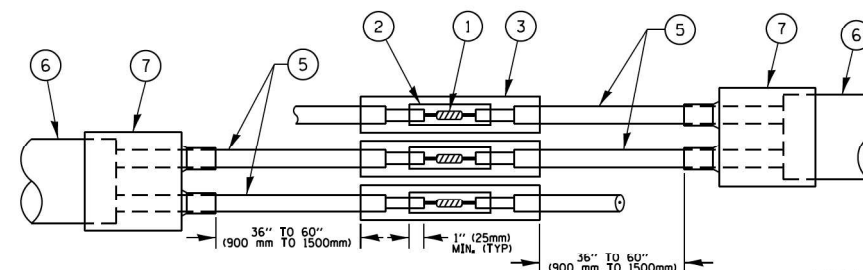


DETAIL "A"  
LOOP-TO-LOOP SPLICE

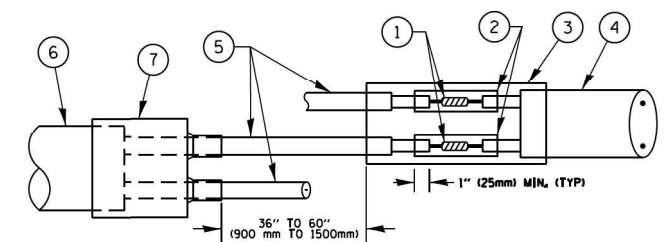


DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**TYPE I LOOP**



DETAIL "A"  
LOOP-TO-LOOP SPLICE



DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**PRE-FORMED LOOP**

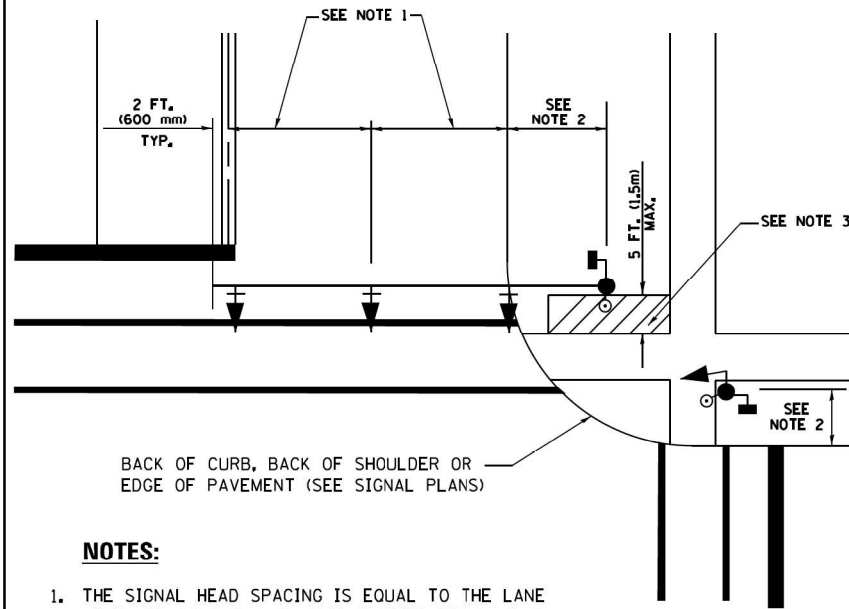
**LOOP DETECTOR SPLICE**

- WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- NO. 14 2/C TWISTED, SHIELDED CABLE.
- LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- PRE-FORMED LOOP
- XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS, TYCO CBR-2 OR APPROVED EQUAL

TS SHT NO. 2

FILE NAME =	USER NAME = plascencia	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S:\WP\Design\Iover\SamplePlans\DNFFiles\TSEexample01-sht-ts.dgn		DRAWN -	REVISED -		338	(110R-1)N	COOK	333	192			
Default	PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED -		<b>TS-05</b>			<b>CONTRACT NO. XXXXX</b>				
	PLOT DATE = 5/17/2016	DATE -	REVISED -		SCALE: NONE	SHEET 2	OF 7 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT			

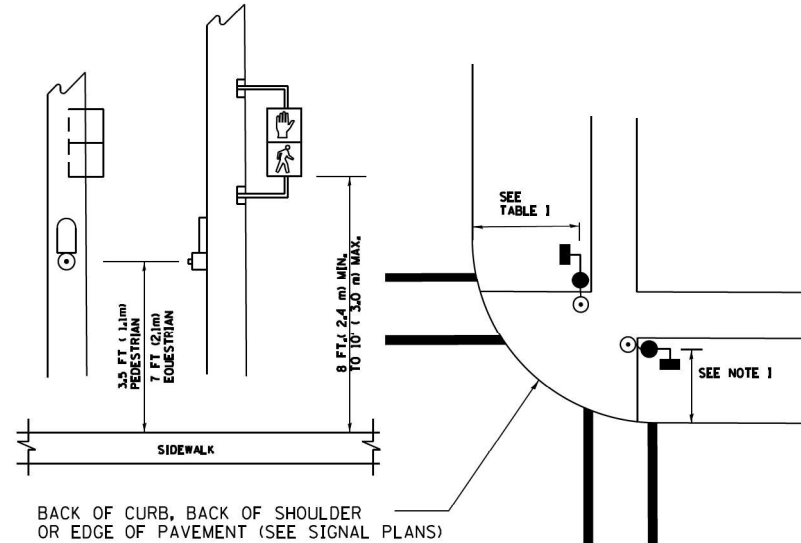
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST**  
**MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR**  
**FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN**  
**WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



**NOTES:**

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

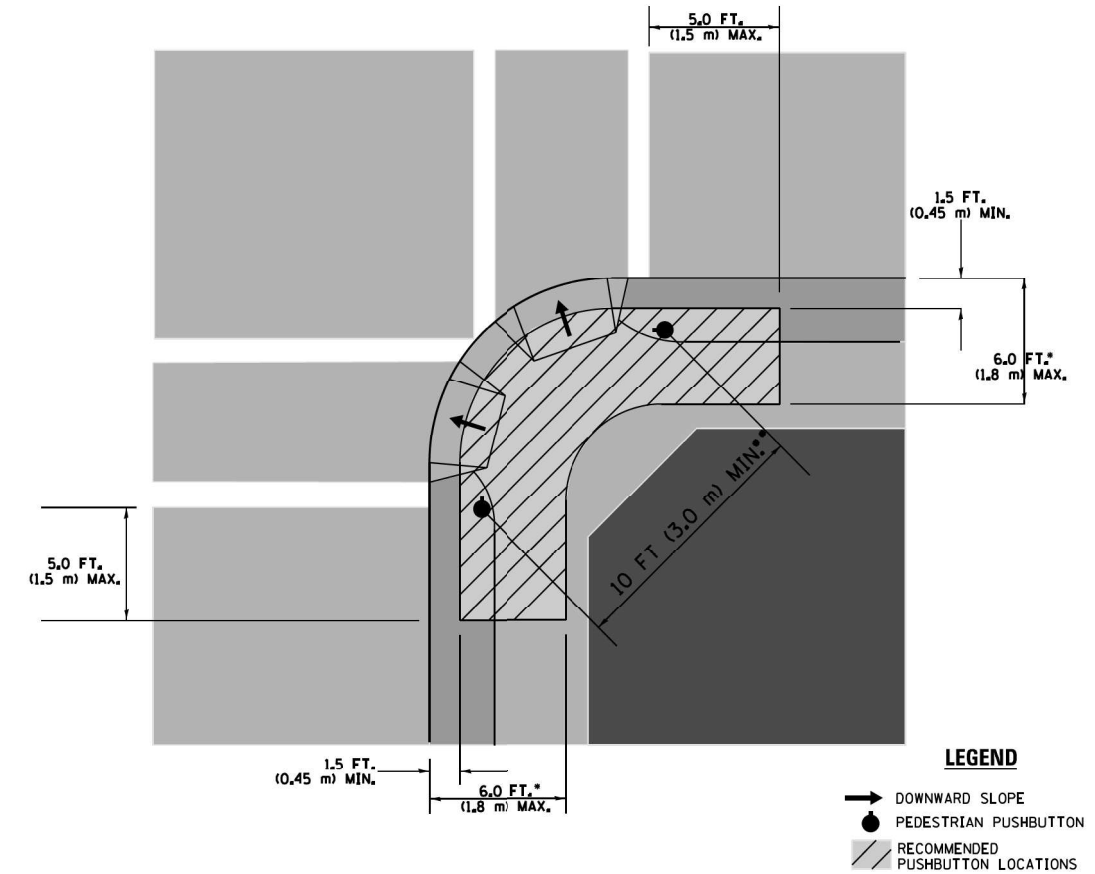
**PEDESTRIAN SIGNAL POST**  
**AND**  
**PEDESTRIAN PUSH BUTTON POST**



**NOTES:**

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

**RECOMMENDED PUSHBUTTON LOCATIONS**



**LEGEND**

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

- WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

**NOTES:**

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

**TRAFFIC SIGNAL EQUIPMENT OFFSET**

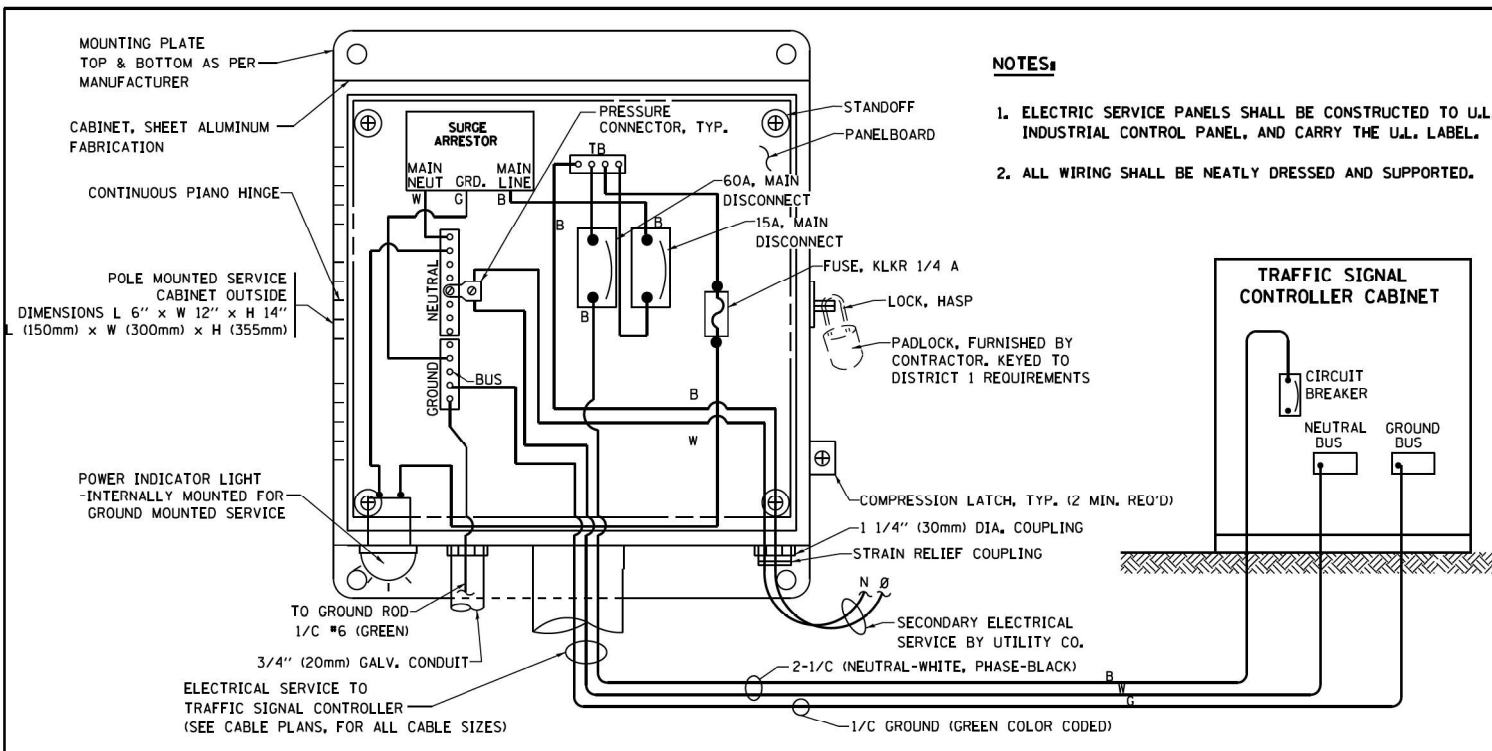
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

**NOTES:**

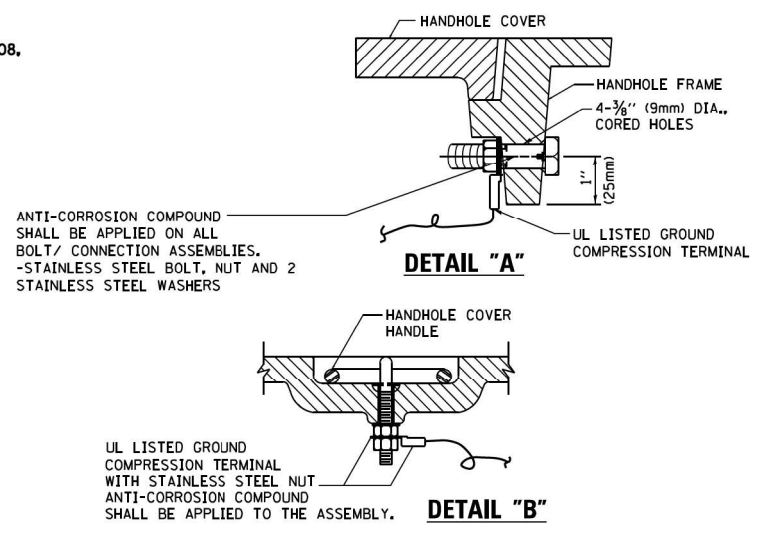
1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

TS SHT NO. 3

FILE NAME =	USER NAME = plascencia	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE</b> <b>STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S:\WP\Design\Ivan\SamplePlans\OGNFiles\TSEexample01-sht-ts.dgn	DRAWN -	REVISED -	338			(110R-1)N	COOK	333	193	
Default	PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED -			TS-05		CONTRACT NO. XXXXX		
	PLOT DATE = 5/17/2016	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
				SCALE: NONE	SHEET 3 OF 7 SHEETS	STA. TO STA.				

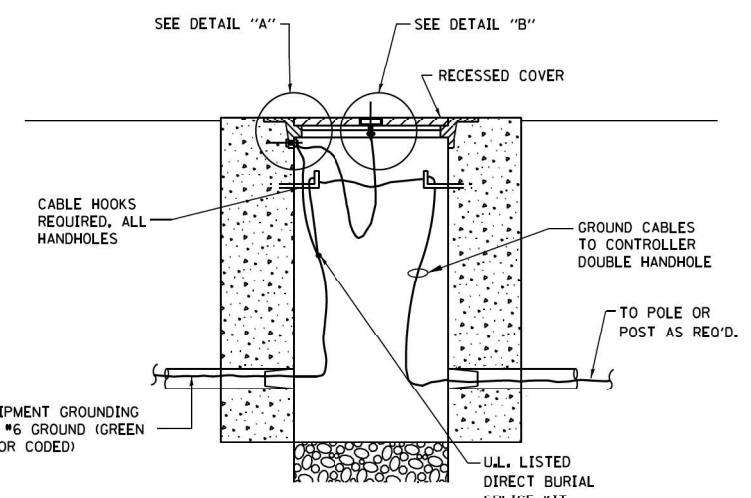


**ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)**  
**SERVICE INSTALLATION POLE MOUNT (SHOWN)**  
 (NOT TO SCALE)

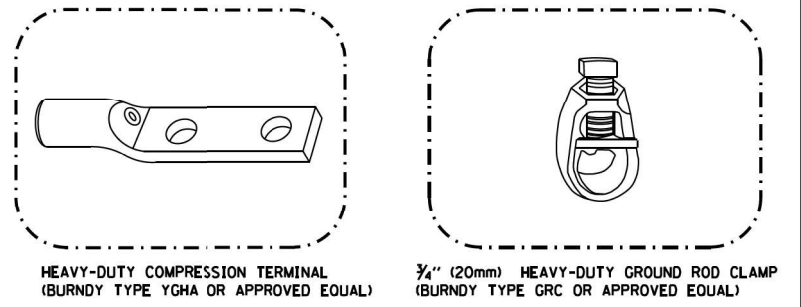


**NOTES:**  
**GROUNDING SYSTEM**

- THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD, ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
- THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
- ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
- THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.

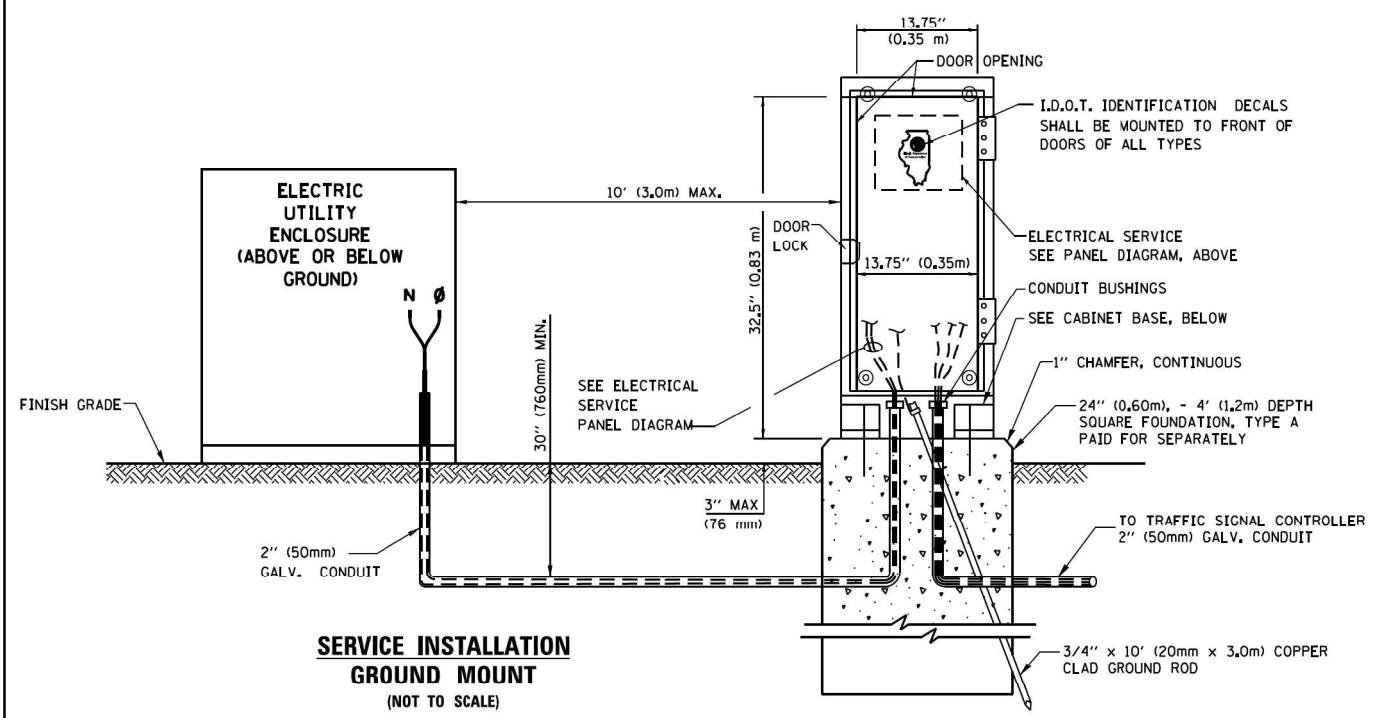


**HANDHOLE COVER & FRAME - GROUNDING DETAIL**  
 (NOT TO SCALE)

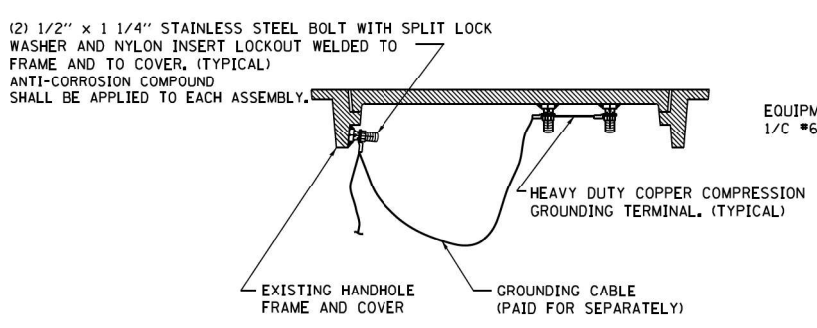


**NOTES:**

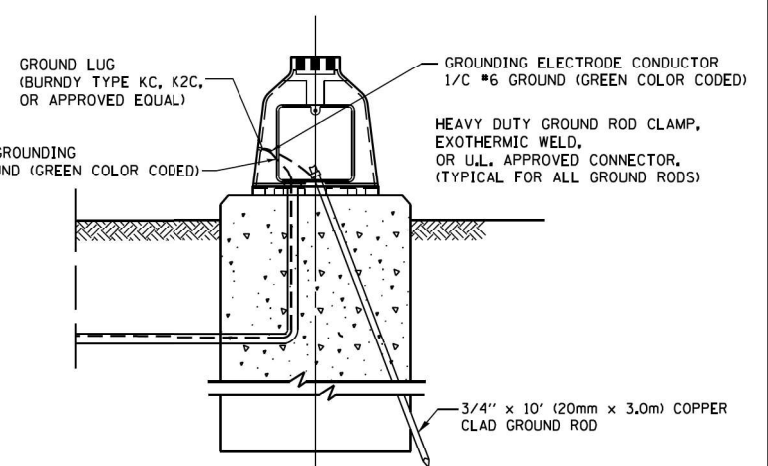
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES. 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES. 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



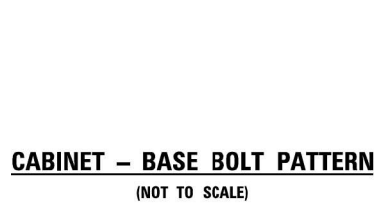
**SERVICE INSTALLATION GROUND MOUNT**  
 (NOT TO SCALE)



**EXISTING HANDHOLE COVER & FRAME - GROUNDING DETAIL**  
 (NOT TO SCALE)



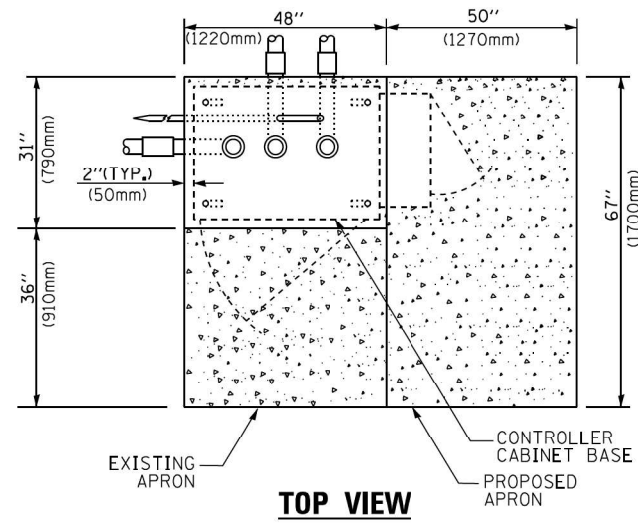
**MAST ARM POLE / POST-GROUNDING DETAIL**  
 (NOT TO SCALE)



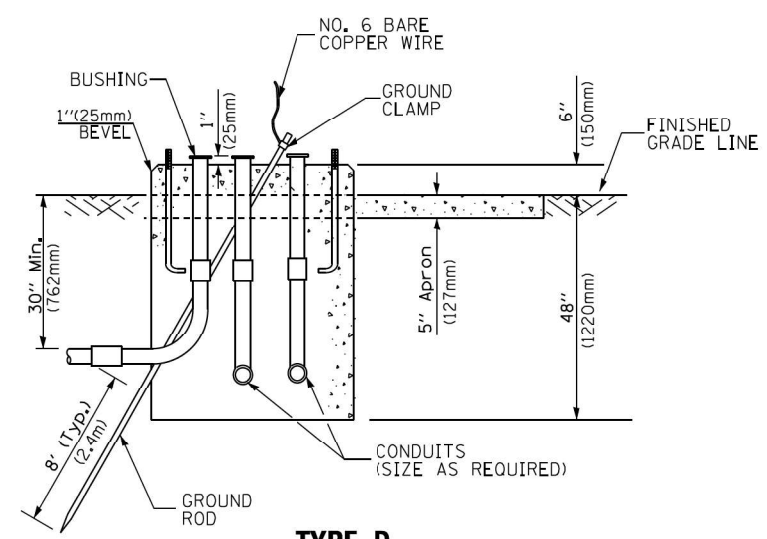
**CABINET - BASE BOLT PATTERN**  
 (NOT TO SCALE)

TS SHT NO. 4

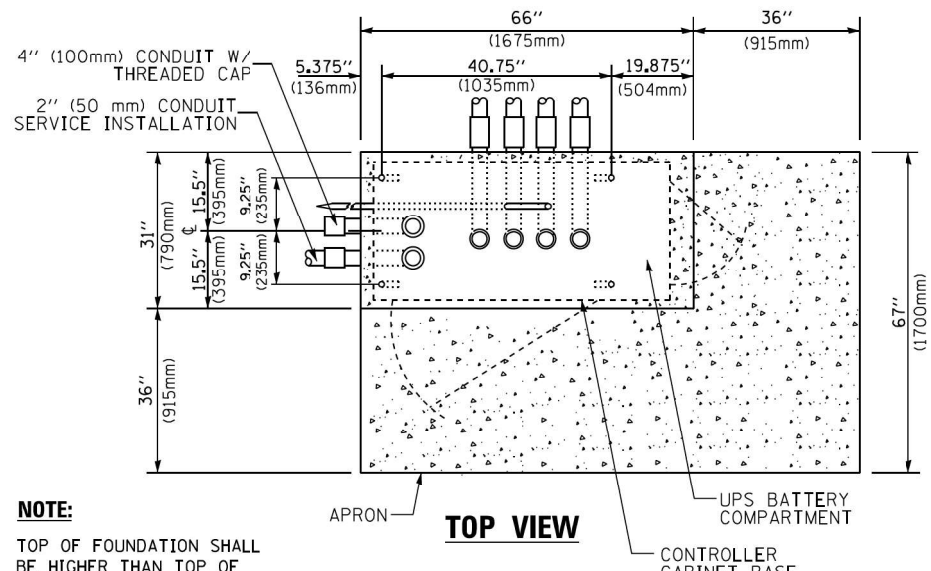
FILE NAME =	USER NAME = plascencio	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	TSexample01-sht-ts.dgn	DRAWN -	REVISED -			338	(110R-1JN)	COOK	333	194	
	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -			<b>TS-05</b>		<b>CONTRACT NO. XXXXX</b>			
	PLOT DATE = 5/17/2016	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
				SCALE: NONE	SHEET 4 OF 7 SHEETS	STA. TO STA.					



**TOP VIEW**

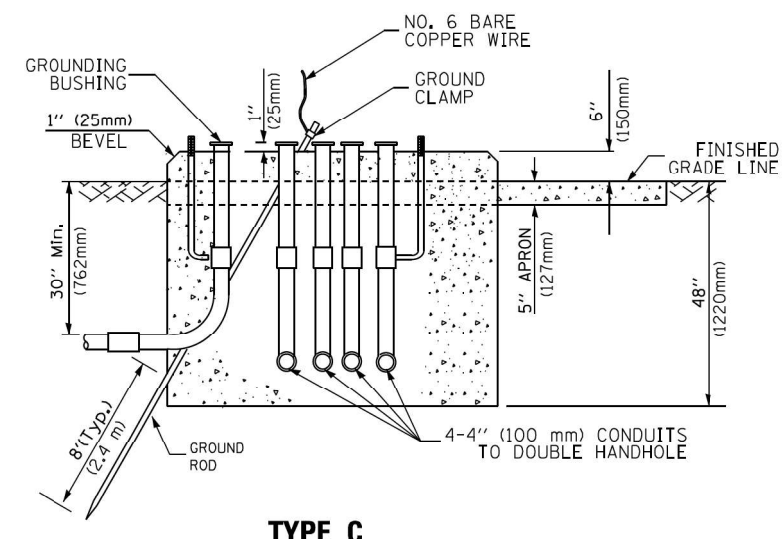


**TYPE D  
FOR GROUND MOUNTED  
CONTROLLER CABINET  
AND UPS BATTERY CABINET**

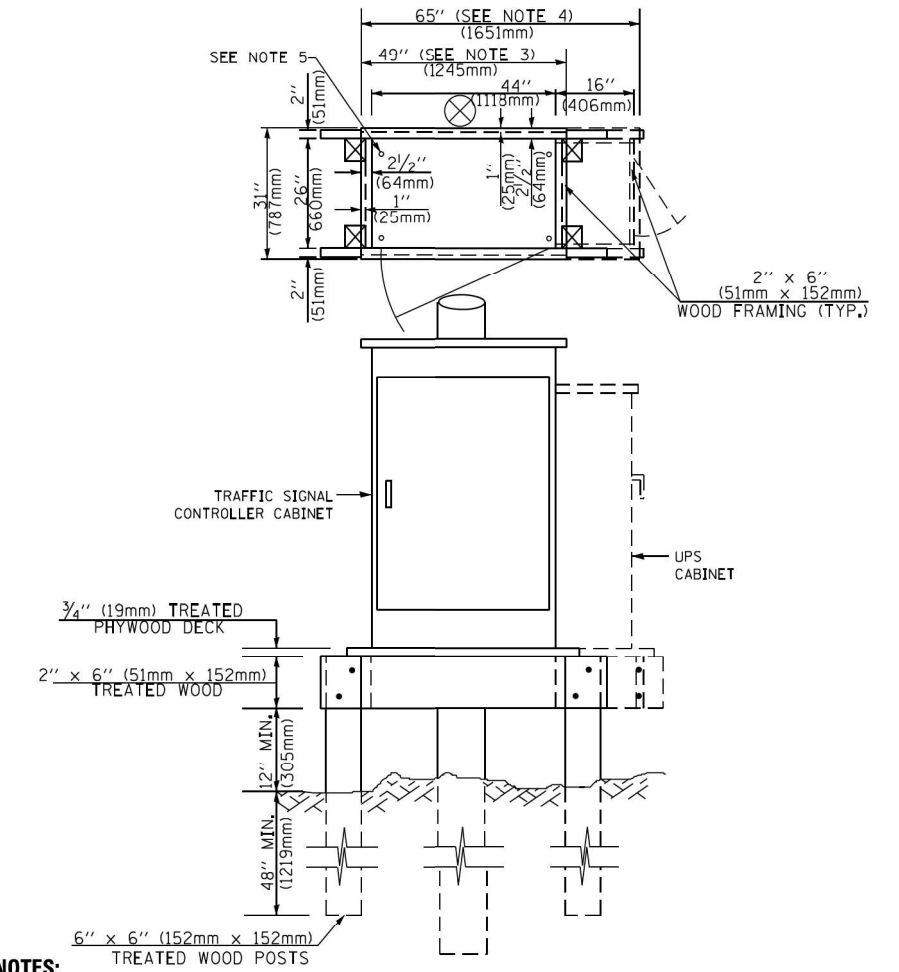


**TOP VIEW**

**NOTE:**  
TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



**TYPE C  
FOR GROUND MOUNTED  
SUPER P (TYPE IV) AND SUPER R (TYPE V)  
CONTROLLER CABINETS**



**NOTES:**

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

**TEMPORARY SIGNAL CONTROLLER  
WOOD SUPPORT PLATFORM**

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

**CABLE SLACK**

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

**VERTICAL CABLE LENGTH**

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

**DEPTH OF FOUNDATION**

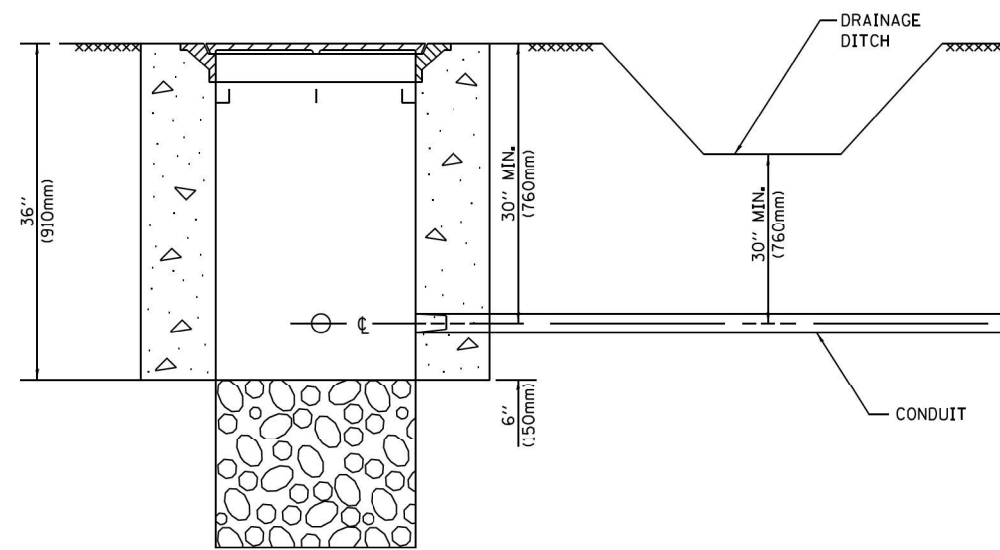
Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and less than 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m) and up to 85' (25.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

**NOTES:**

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
4. For mast arm assemblies with dual arms refer to state standard 878001..

**DEPTH OF MAST ARM FOUNDATIONS, TYPE E**

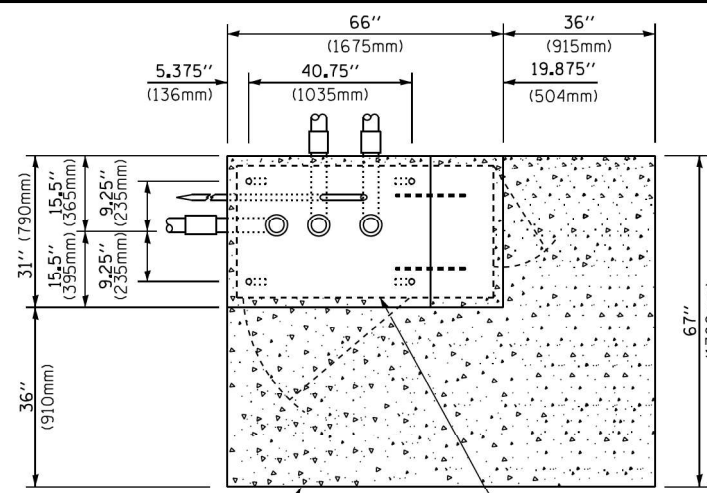
TS SHT NO. 5



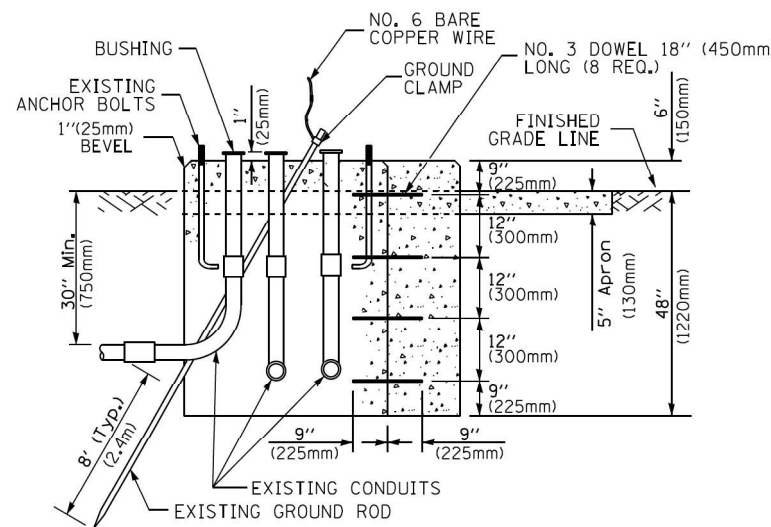
**NOTES:**

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

**HANDHOLE WITH MINIMUM CONDUIT DEPTH**  
(NOT TO SCALE)



**TOP VIEW**  
(NOT TO SCALE)

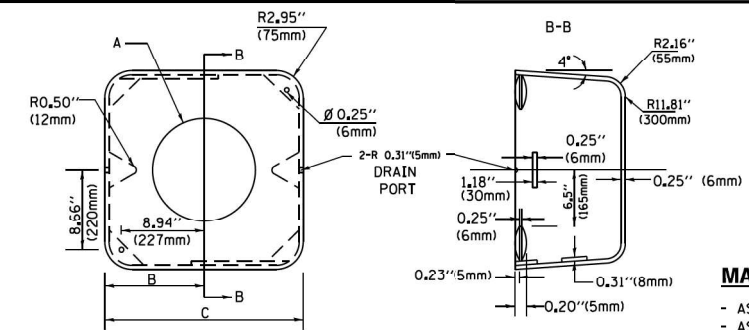


**MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION**  
(NOT TO SCALE)

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU. IN. (0,000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5,4 m) POST MIN.]

**NOTES:**

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT  
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT  
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4" (19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



**MATERIAL:**

- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIABLES	9.5" (241mm)	19" (483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIABLES	10.75" (273mm)	21.5" (546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIABLES	13.0" (330mm)	26" (660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIABLES	18.5" (470mm)	37" (940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

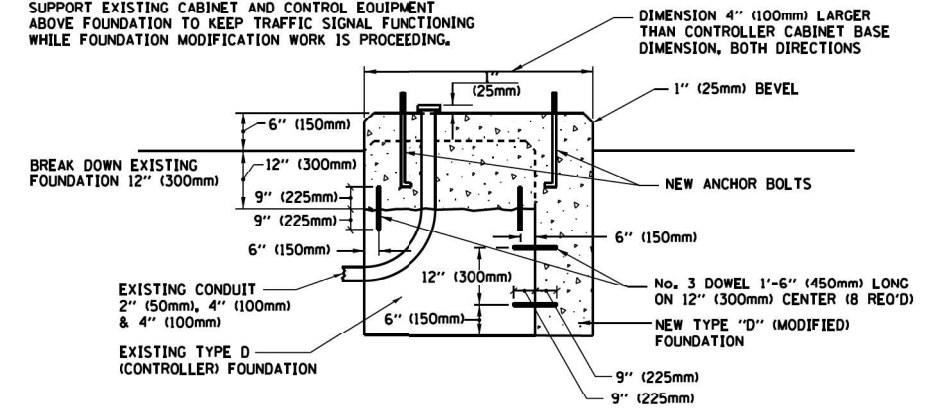
**SHROUD**

**NOTES:**

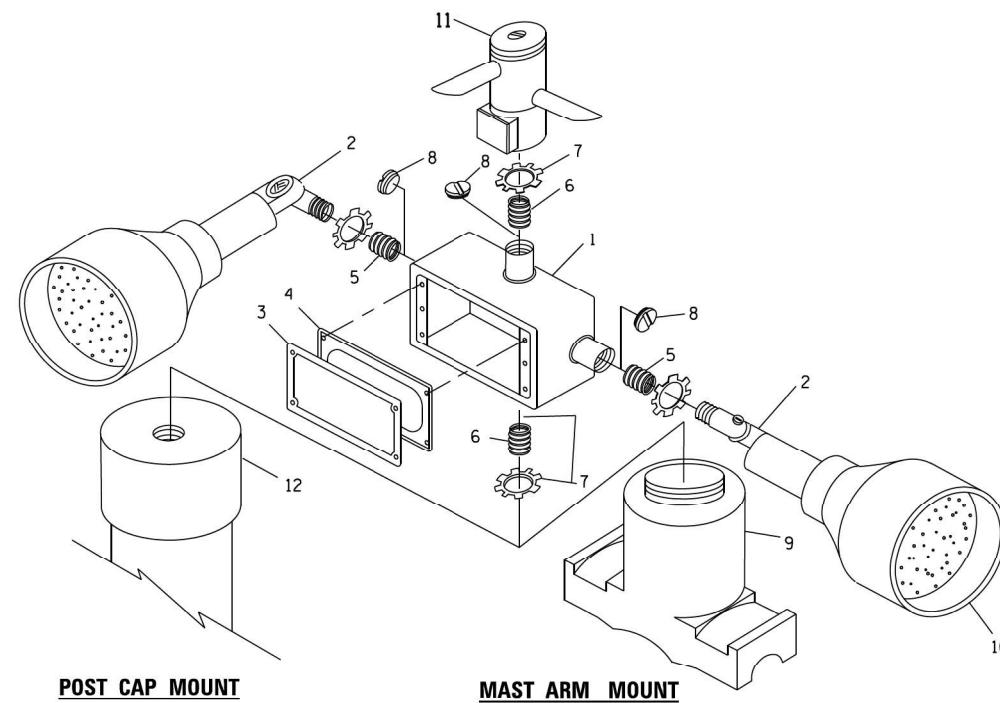
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

**NOTE:**

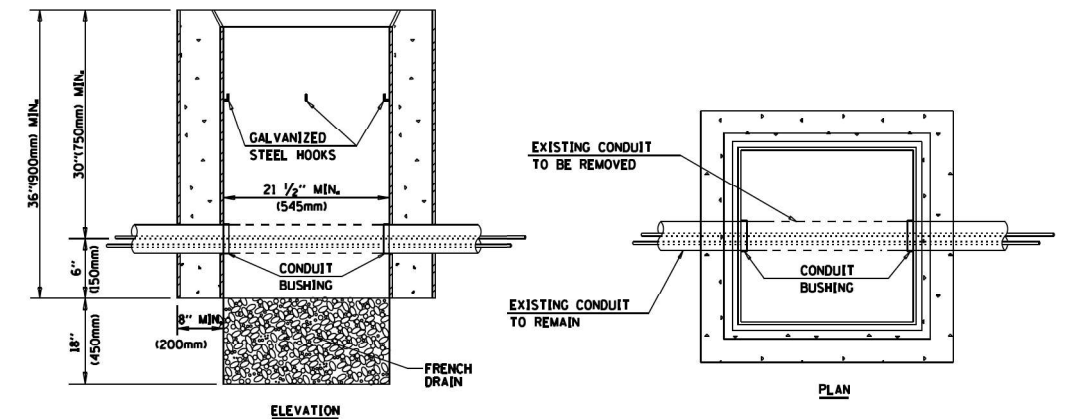
SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



**MODIFY EXISTING TYPE "D" FOUNDATION**



**EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL**



**NOTES:**

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

**HANDHOLE TO INTERCEPT EXISTING CONDUIT**

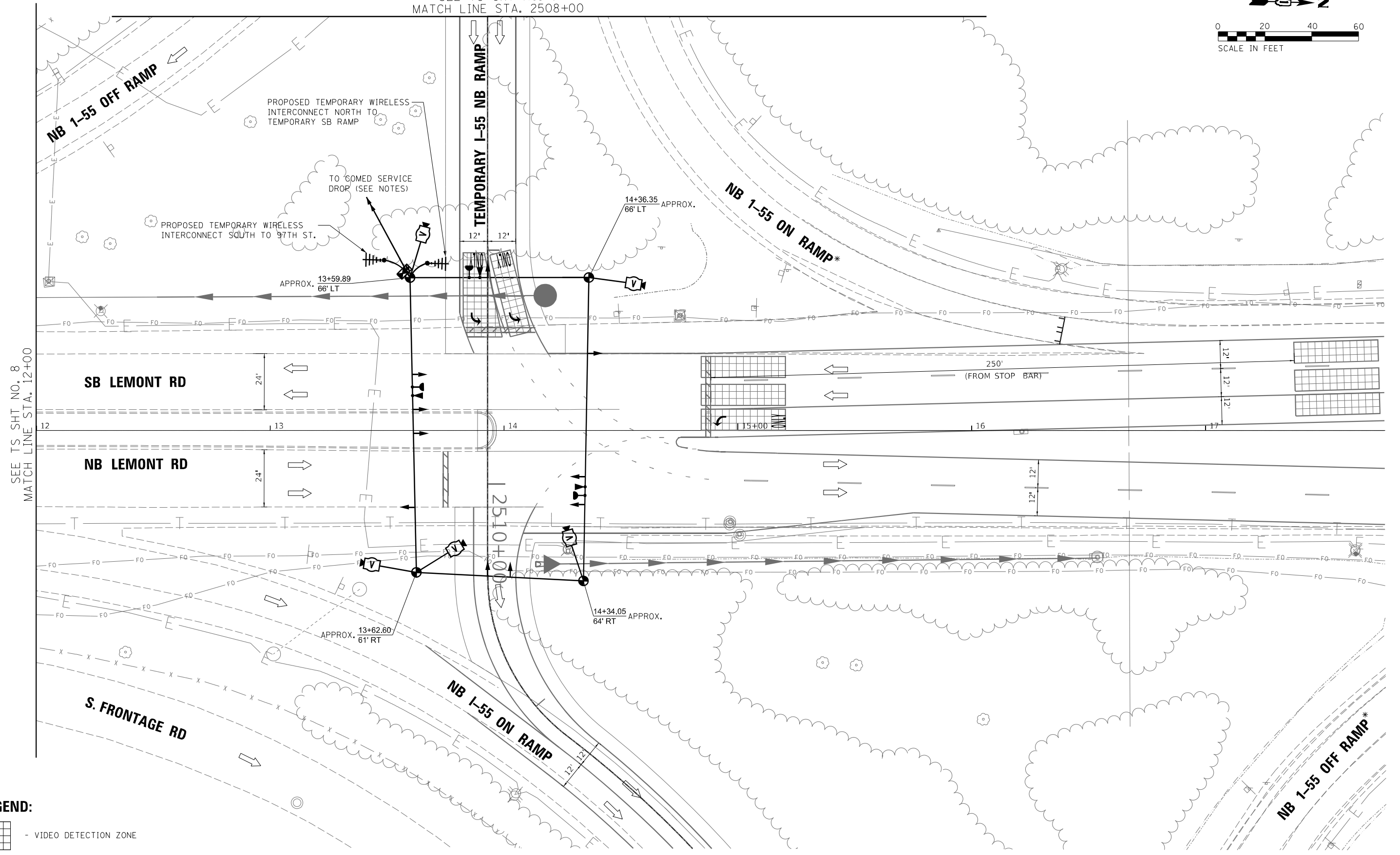
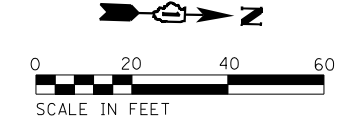
TS SHT NO. 6

FILE NAME =	USER NAME = plascencio	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	Default	DRAWN -	REVISED -			338	(110R-1)N	COOK	333	196	
		CHECKED -	REVISED -			<b>TS-05</b>		CONTRACT NO. XXXXX			
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



TS SHT NO. 7  
 MODEL: Default  
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SEE TS SHT NO. 8  
 MATCH LINE STA. 2508+00



**LEGEND:**

- VIDEO DETECTION ZONE
- \* - RAMP CLOSED ONCE TEMP SIGNALS ARE OPERATIONAL (FOR DETAILS, SEE MOT PLANS)
- TYPE III BARRICADE



USER NAME = nsharma	DESIGNED - NS	REVISED -
PLOT SCALE = 40,0000 * / in.	DRAWN - NS	REVISED -
PLOT DATE = 1/28/2021	CHECKED - MA	REVISED -
	DATE - 01/29/21	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN  
 TEMPORARY I-55 NB RAMP AT LEMONT RD**


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

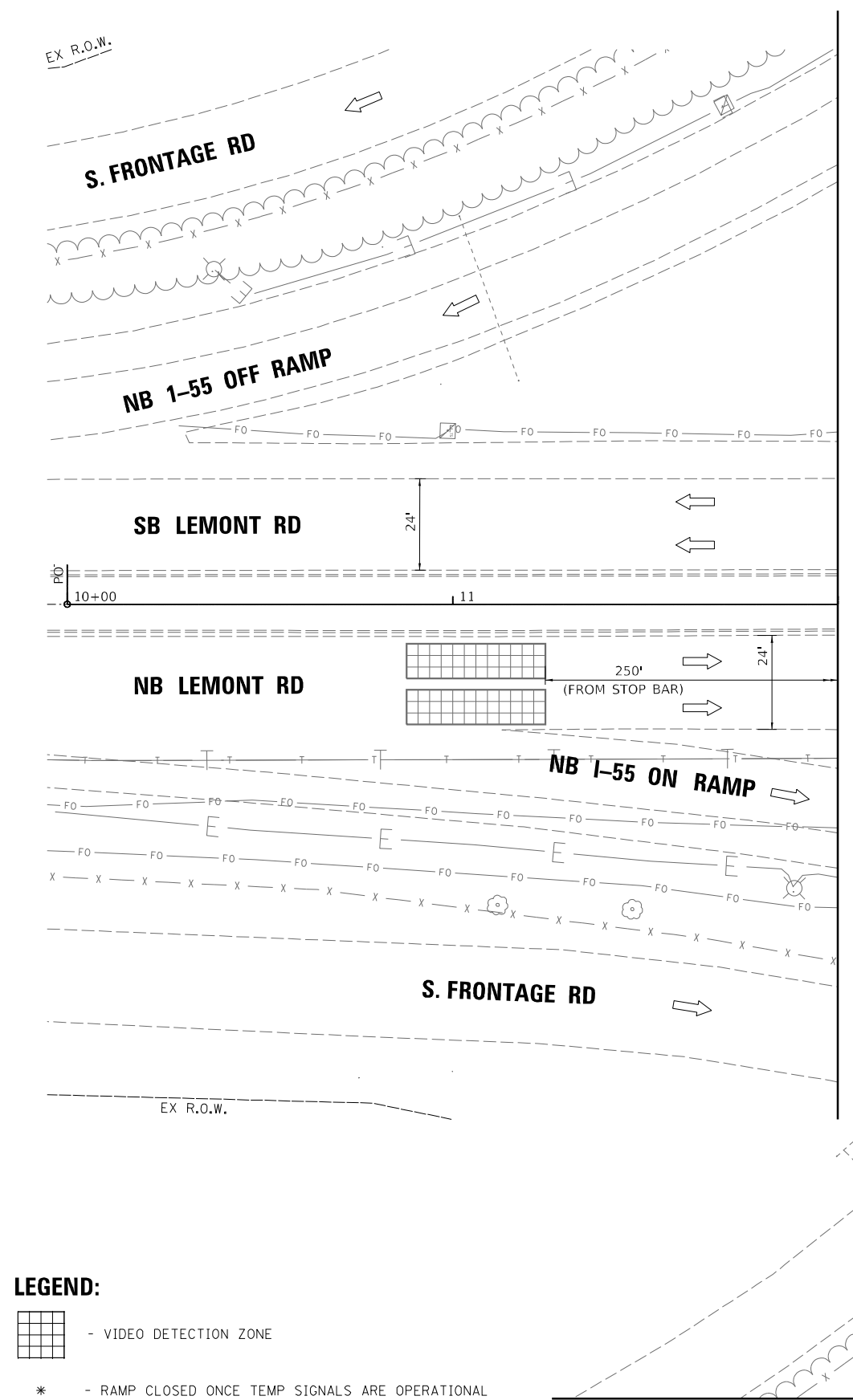
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	197
CONTRACT NO. 62G39				
ILLINOIS FED. AID PROJECT				

TS SHT NO. 8

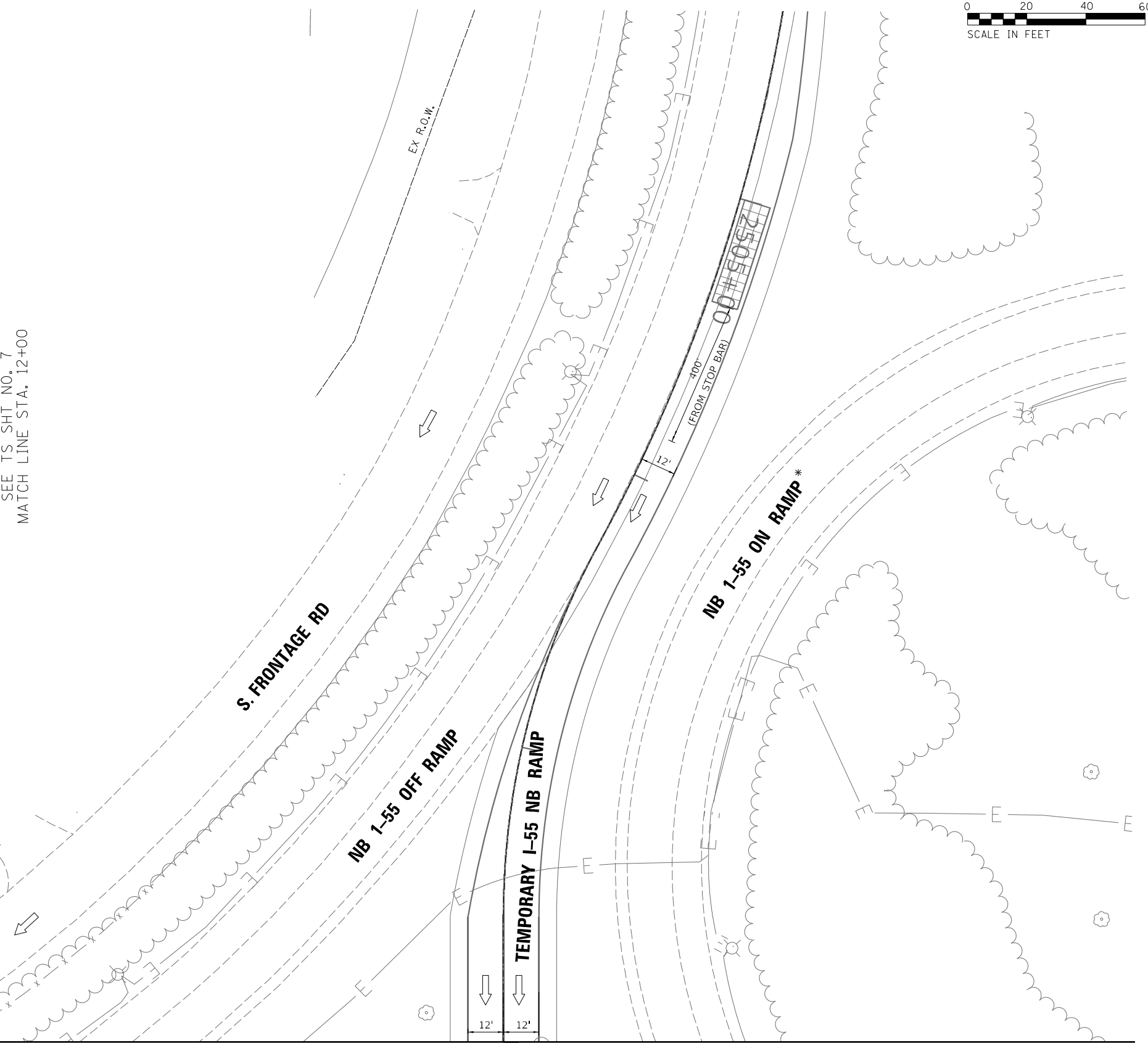
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 PROJECT: 62399  
 USER: nsharma  
 DATE: 01/29/21  
 SCALE: 1"=20'  
 SHEET: 333 OF 398  
 CONTRACT: 62399

**LEGEND:**

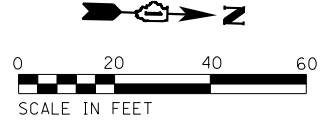
-  - VIDEO DETECTION ZONE
- \* - RAMP CLOSED ONCE TEMP SIGNALS ARE OPERATIONAL



SEE TS SHT NO. 7  
 MATCH LINE STA. 12+00



SEE TS SHT NO. 7  
 MATCH LINE STA. 2508+00



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PLOT SCALE = 40,0000 */ in.	CHECKED - MA	REVISED -
PLOT DATE = 1/28/2021	DATE - 01/29/21	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

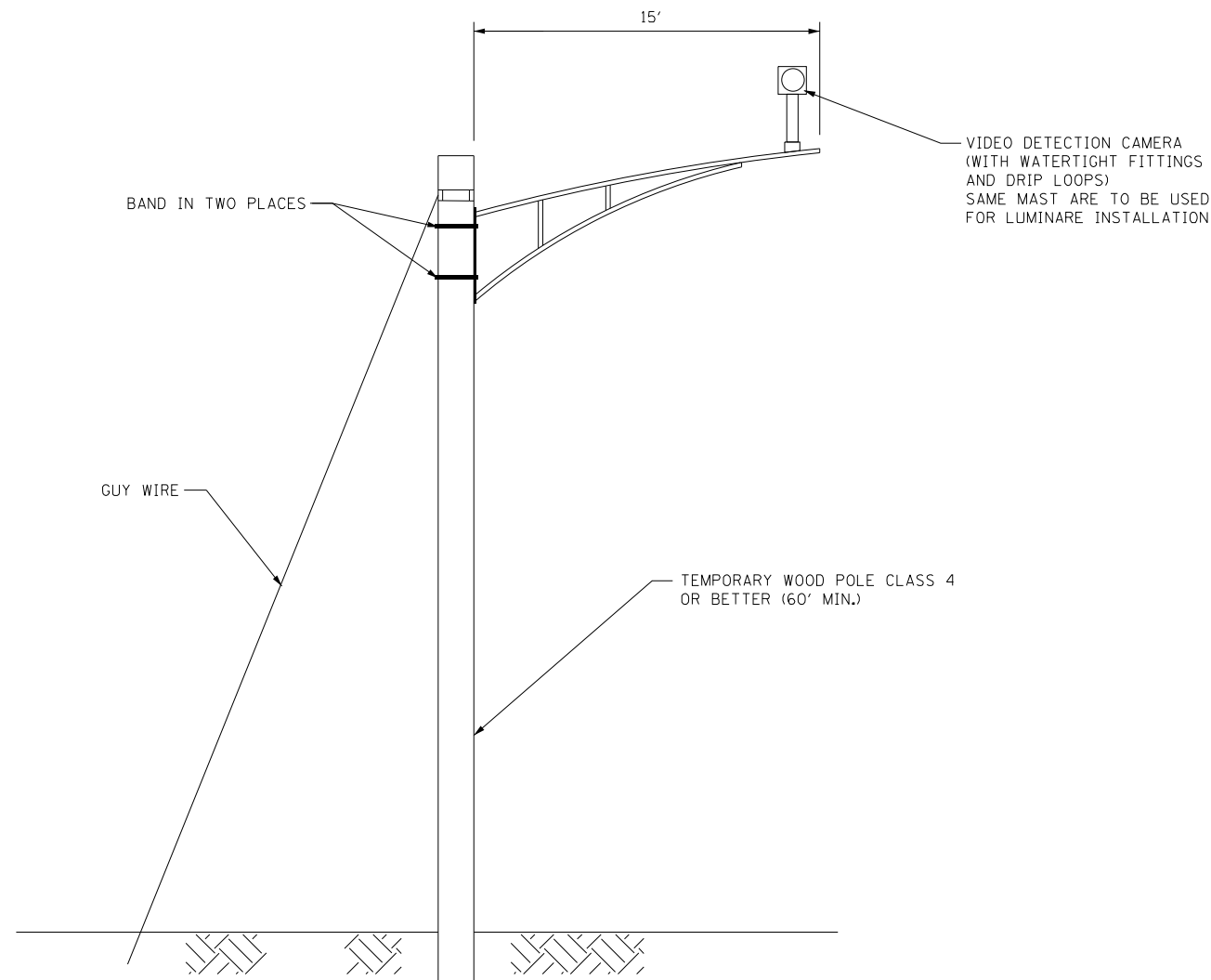
**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN  
 TEMPORARY I-55 NB RAMP AT LEMONT RD**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	198
CONTRACT NO. 62399				
ILLINOIS FED. AID PROJECT				

**TEMPORARY SIGNAL NOTES:**

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSORBASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS1 OR TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS SHALL BE 12" (300MM). 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.
4. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
5. ALL VIDEO DETECTION ZONES ARE INCLUDED IN THE COST OF VIDEO DETECTION SYSTEM.
6. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION THE SATISFACTION OF THE ENGINEER.
7. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING SYSTEM ALONG LEMONT ROAD.
8. THE CONTRACTOR MUST PROVIDE ASSURANCE THAT THE VIDEO DEVICE WILL OPERATE PROPERLY AT ALL TIMES DURING ALL CONSTRUCTION STAGES. IF WIRELESS INTERCONNECT IS USED AND IN THE OPINION OF THE ENGINEER, IT IS NOT VIABLE OR IF IT FAILS DURING TESTING OR OPERATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING NECESSARY POLES, FIBER OPTIC CABLE, AND OTHER INFRASTRUCTURE FOR PROVIDING TEMPORARY FIBER INTERCONNECT AT NO COST TO THE CONTRACT.



**TEMPORARY VIDEO DETECTION MOUNTING DETAIL**

NOT TO SCALE

**NOTES:**

1. PROPOSED 15' MAST ARMS FITTED WITH ROADWAY LIGHTING LUMINARIES TO BE INSTALLED ON PROPOSED TEMPORARY TRAFFIC SIGNAL WOOD POLES.
2. VIDEO TRAFFIC DETECTION CAMERAS FOR TEMPORARY SIGNALS ALSO TO BE INSTALLED ON SAME 15' MAST ARMS (AS SHOWN ABOVE) CARRYING ROADWAY LIGHTING LUMINARIES.
3. THE COST AND LABOR FOR INSTALLATION OF 15' MAST ARM TO BE PAID UNDER TEMPORARY ROADWAY LIGHTING ITEMS.
4. THE VIDEO FOR CAPTURING THE DETECTION ZONE ON RAMP AT 400' AWAY SHOULD TRACK ONLY LEFT TURN LANES.
5. NO COMED SERVICE DROP OFF LOCATION OR PROPOSED SERVICE INSTALLATION IS SHOWN ON THESE PLANS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH COMED FOR LOCATION OF SERVICE DROP FOR THE INSTALLATION OF SERVICE. ITEMS AND APPROXIMATE QUANTITIES NEEDED FOR PROPOSED TEMPORARY SERVICE INSTALLATION ARE SHOWN HERE, WHICH MAY CHANGE DEPENDING ON FINAL SERVICE DROP OFF LOCATION AND FIELD CONDITIONS.
6. CONTRACTOR TO COORDINATE WITH DUPAGE COUNTY FOR INSTALLATION OF TEMPORARY WIRELESS INTERCONNECT ALONG LEMONT RD.

**ESTIMATED BILL OF MATERIALS**

DESCRIPTION	UNIT	TOTAL QTY
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	300
SPAN WIRE	FOOT	400
TETHER WIRE	FOOT	400
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	300
ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 3C	FOOT	400
ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 5C	FOOT	1250
ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 7C	FOOT	375
ELECTRIC CABLE AERIAL SUSPENDED, EQUIPMENT GROUNDING CONDUCTOR, NO.6 1C	FOOT	15
CONFIRMATION BEACON	EACH	2
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
TRAFFIC SIGNAL WOOD POLE, 60 FT., CLASS 4	EACH	5
VIDEO DETECTION SYSTEM	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL	EACH	1
SIGNAL HEAD ,LED, 1-FACE, 3-SECTION, SPAN WIRE MOUNTED	EACH	8
SIGNAL HEAD ,LED, 1-FACE 5-SECTION, SPAN WIRE MOUNTED	EACH	2
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, AERIAL SUSPENDED, NO. 20 3/C	FOOT	400
MAINTENANCE OF EXISTING TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TEMPORARY TRAFFIC SIGNAL EQUIPMENT	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

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**TS SHT NO. 9**



USER NAME = nsharma	DESIGNED - NS	REVISED -
PLOT SCALE = 40,0000 * / in.	DRAWN - NS	REVISED -
PLOT DATE = 1/28/2021	CHECKED - MA	REVISED -
	DATE - 01/29/21	REVISED -

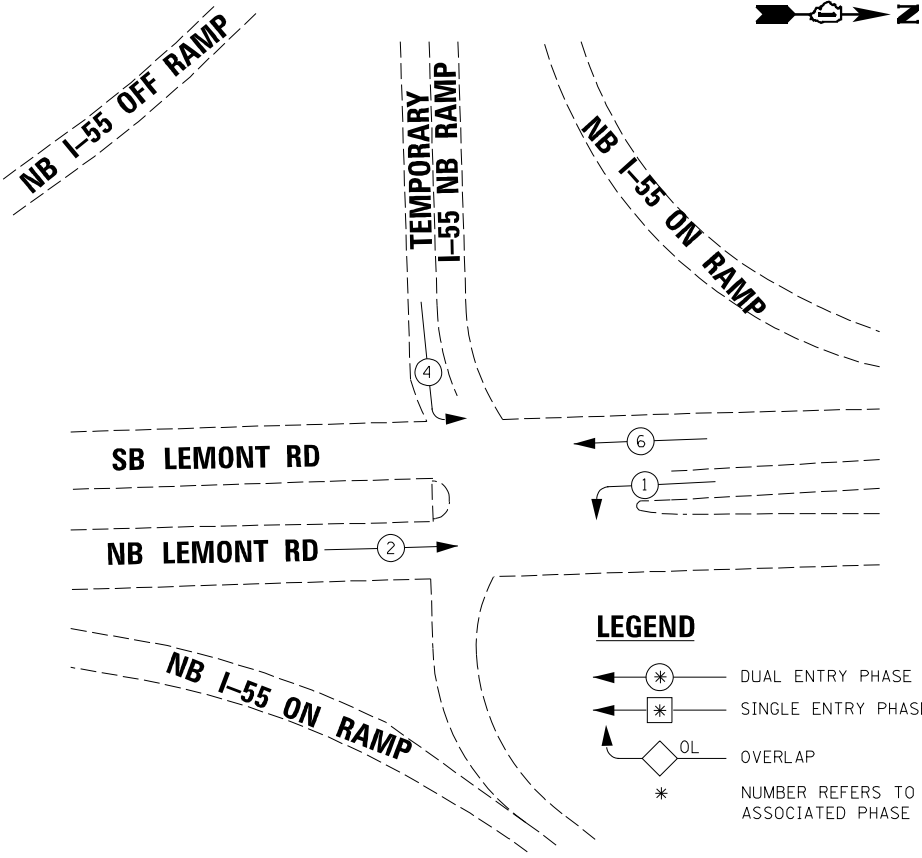
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY SIGNAL INSTALLATION NOTES,  
BILL OF MATERIAL AND TEMPORARY  
VIDEO DETECTION MOUNTING DETAILS**

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

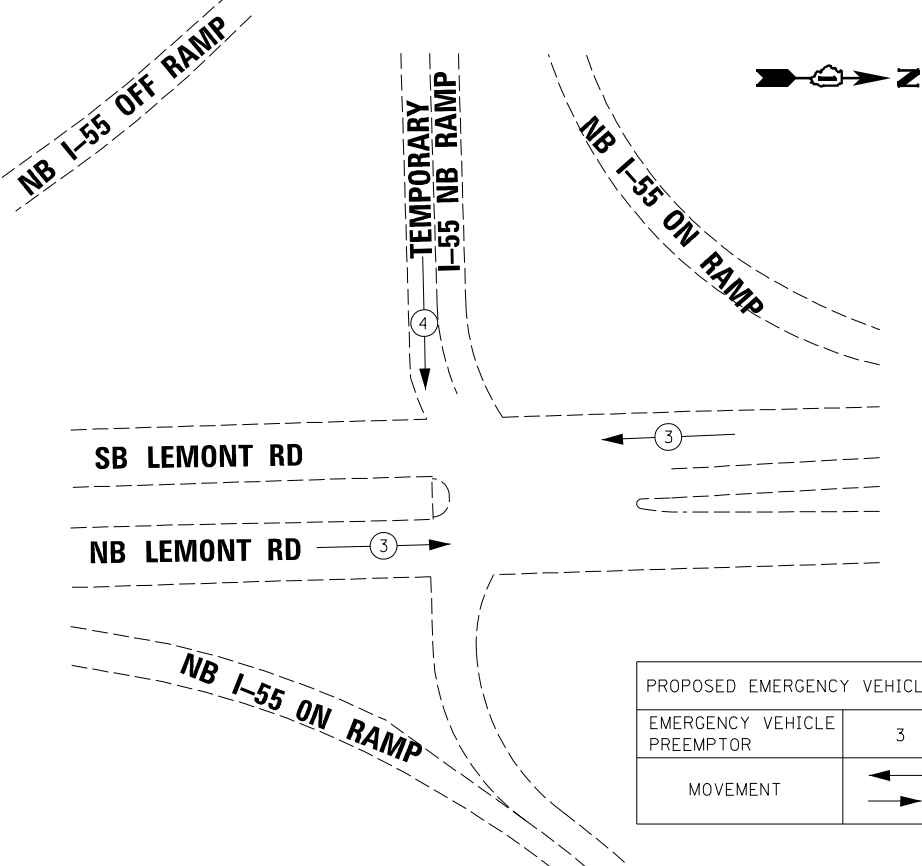
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	199
CONTRACT NO. 62G39				
ILLINOIS FED. AID PROJECT				

**TEMPORARY CONTROLLER SEQUENCE**

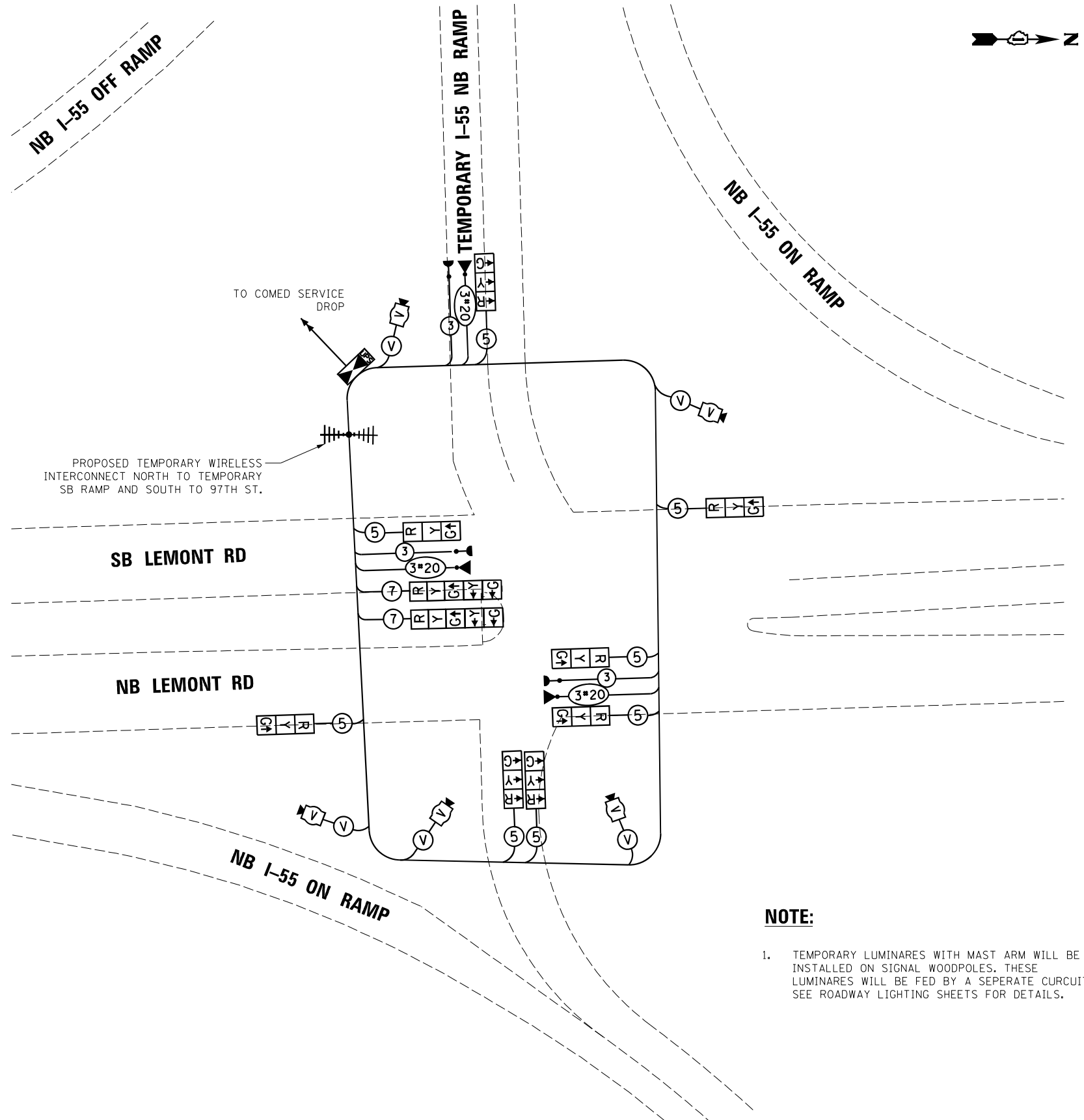


- LEGEND**
- ← ⊛ ← DUAL ENTRY PHASE
  - ← ⊠ ← SINGLE ENTRY PHASE
  - ← ⊠ OL OVERLAP
  - \* NUMBER REFERS TO ASSOCIATED PHASE

**PROPOSED EMERGENCY VEHICLE PREEMPTORS**



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↓ ↑



**TEMPORARY CABLE PLAN**

**NOTE:**

- TEMPORARY LUMINAIRES WITH MAST ARM WILL BE INSTALLED ON SIGNAL WOODPOLES. THESE LUMINAIRES WILL BE FED BY A SEPERATE CURCUIT, SEE ROADWAY LIGHTING SHEETS FOR DETAILS.

TS SHT NO. 10

MODEL: Default; FILE NAME: p:\work\p62799\_00\_155141600\_CADD\50\_Subs\subcontract\Delta\03\_CAD\_Sheets\Temp Traffic\_Signal\162G39-1\temp10.dgn



USER NAME = nsharma	DESIGNED - NS	REVISED -
PLOT SCALE = 40,0000 * / in.	DRAWN - NS	REVISED -
PLOT DATE = 1/28/2021	CHECKED - MA	REVISED -
	DATE - 01/29/21	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY CABLE PLAN,  
TEMPORARY PHASE DESIGNATION DIAGRAM, AND  
TEMPORARY EVP SEQUENCE**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	22-36HB-1	DUPAGE	333	200
				CONTRACT NO. 62G39
ILLINOIS FED. AID PROJECT				