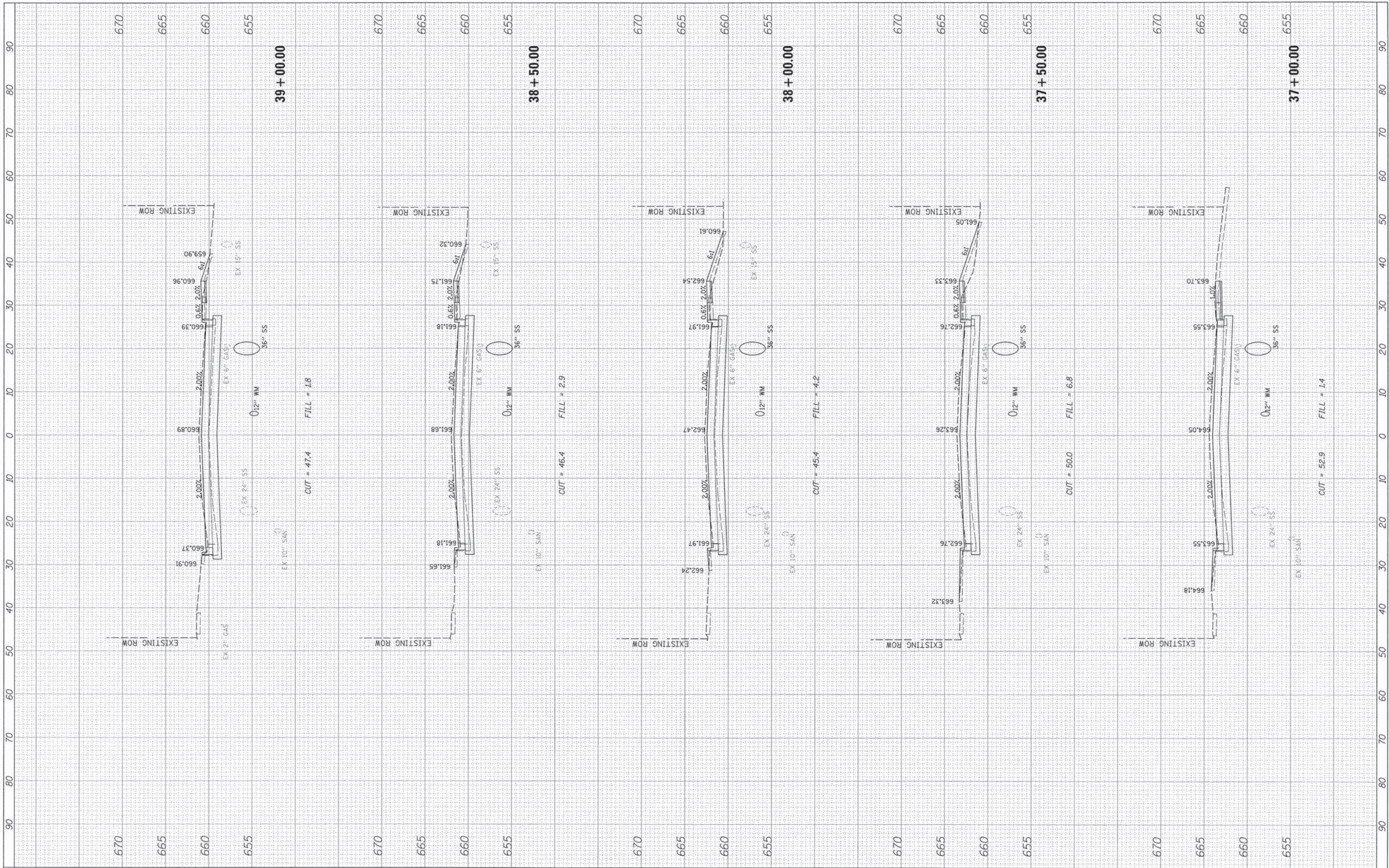


FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
AREAS CHECKED		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
AREAS CHECKED		
NO.		



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 PLOT SCALE = 1/8"  
 PLOT DATE = 8/30/2015

DESIGNED -  
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 CHECKED -  
 DATE -

REVISED -  
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

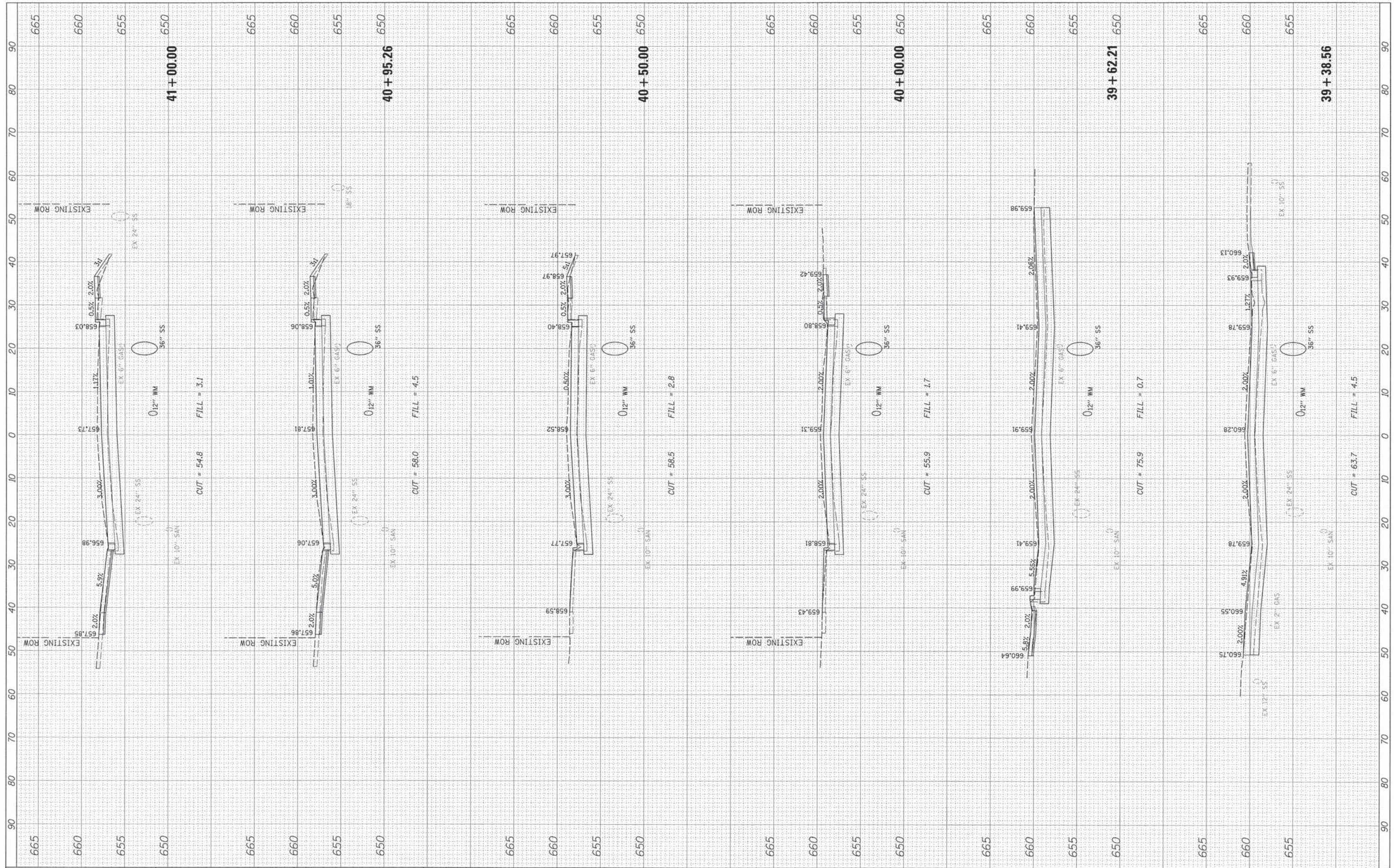
DEERFIELD ROAD

SCALE: SHEET 27 OF 43 SHEETS STA. 37+00.00 TO STA. 39+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	301
CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
NO.	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
NO.	AREAS CHECKED		



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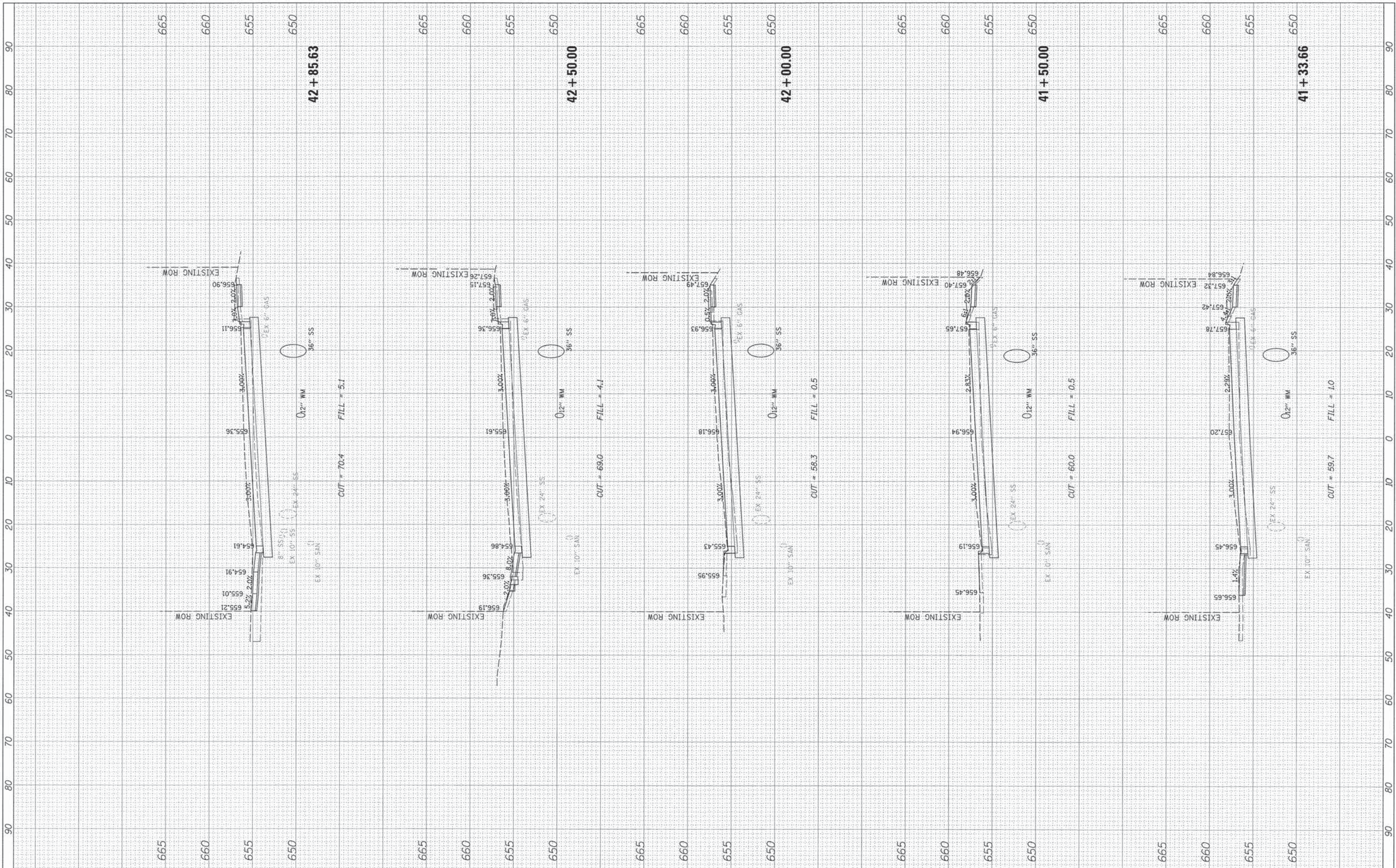
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

DEERFIELD ROAD  
 SCALE: SHEET 28 OF 43 SHEETS STA. 39+38.56 TO STA. 41+00.00

F.A. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 302
CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SUBMITTED	DATE
NOTE BOOK	PLOTTED	BY
AREAS CHECKED	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY	SUBMITTED	DATE
NOTE BOOK	PLOTTED	BY
AREAS CHECKED	TEMPLATE	
	AREAS CHECKED	



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USER NAME = jstirick  
 PLOT SCALE = 10'  
 PLOT DATE = 8/30/2015

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

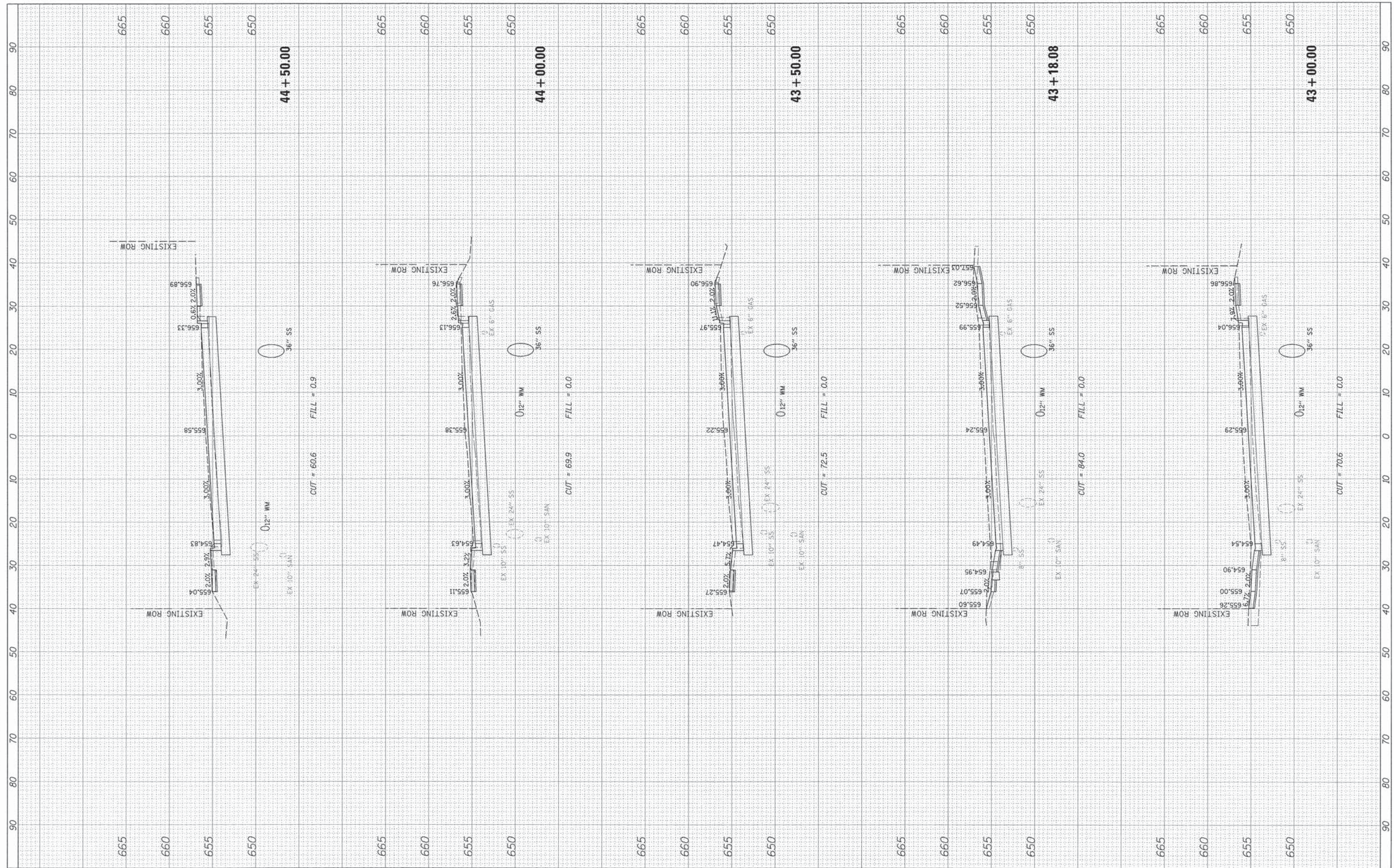
**DEERFIELD ROAD**

SCALE: SHEET 29 OF 43 SHEETS STA. 41+33.66 TO STA. 42+85.63

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	303
				CONTRACT NO. 63882
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
AREAS CHECKED	TEMPLATE	
LABELS CHECKED	AREAS	

DATE	BY



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

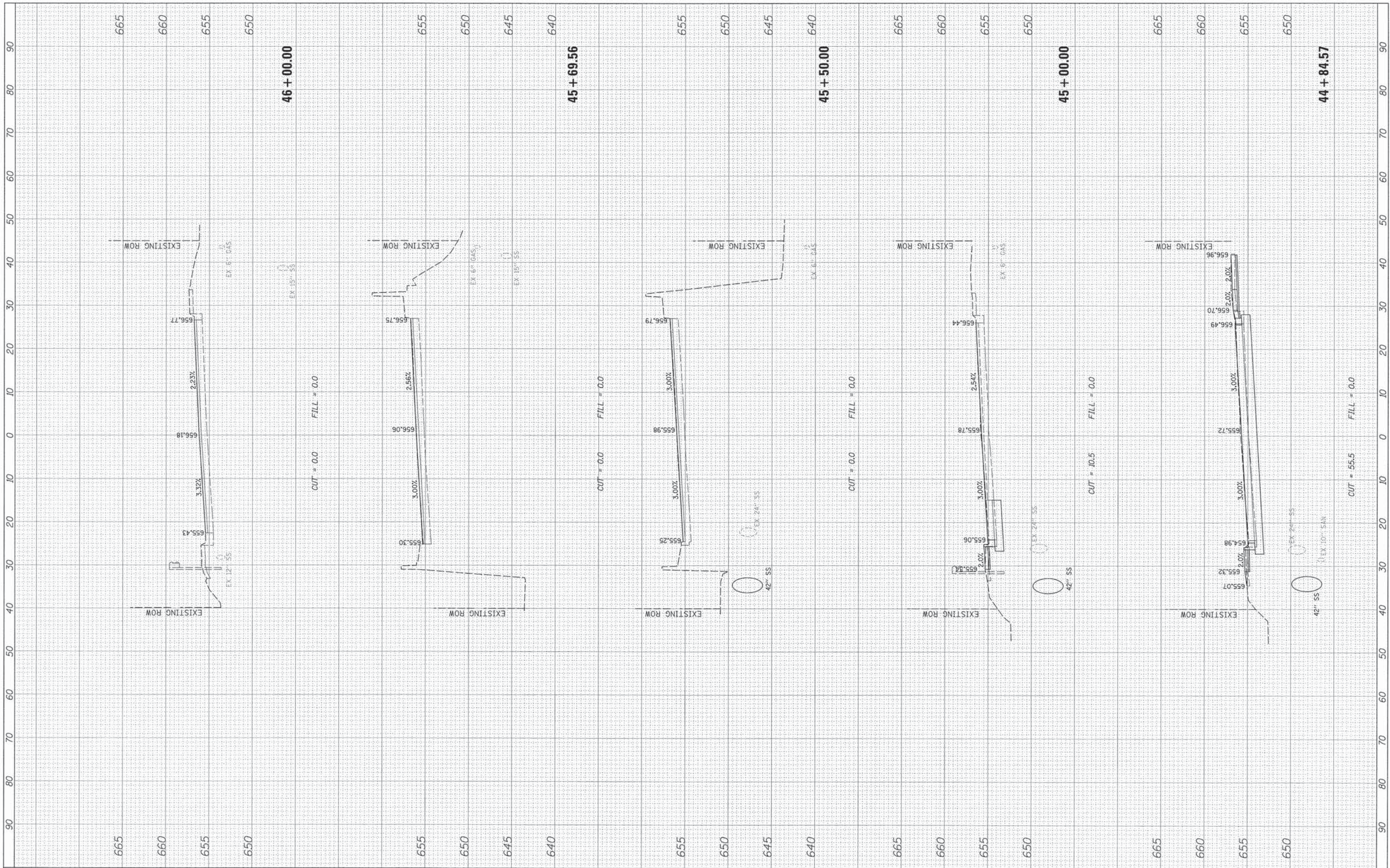
**DEERFIELD ROAD**

SCALE: SHEET 30 OF 43 SHEETS STA. 43+00.00 TO STA. 44+50.00

F.A. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 304
CONTRACT NO. 63882			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS	
	CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS	
	CHECKED	



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USER NAME : jstrik  
 PLOT SCALE = 10"  
 PLOT DATE = 8/30/2015

DESIGNED -  
 DRAWN -  
 CHECKED -  
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

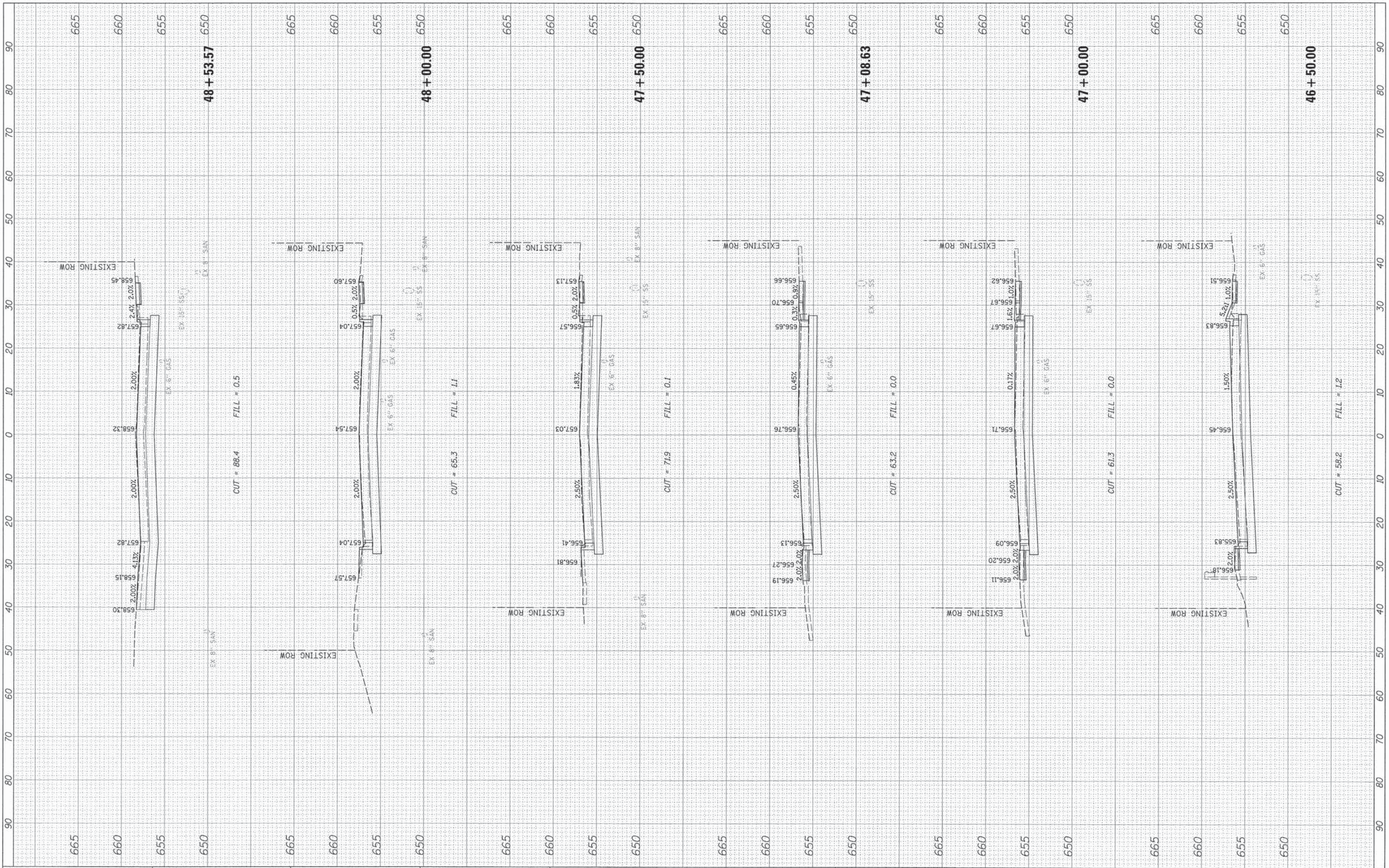
**DEERFIELD ROAD**

SCALE: SHEET 31 OF 43 SHEETS STA. 44+84.57 TO STA. 46+00.00

F.A. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 305
CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BT	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	CHECKED		

ORIGINAL SURVEY	SURVEYED	BT	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	CHECKED		



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 PLOT SCALE = 1/8"  
 PLOT DATE = 8/30/2015

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

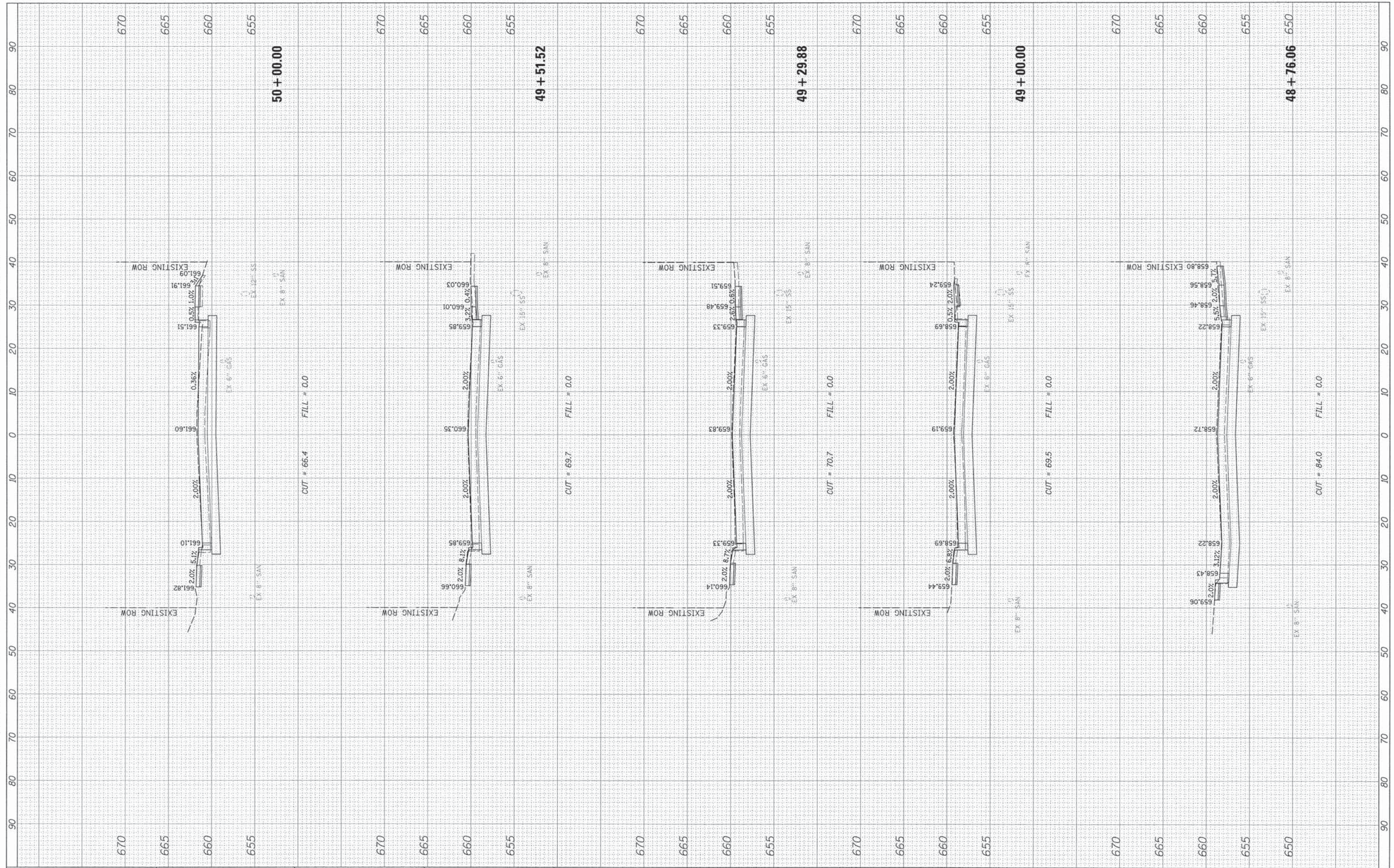
**DEERFIELD ROAD**

SCALE: SHEET 32 OF 43 SHEETS STA. 46+50.00 TO STA. 48+53.57

F.A. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 306
CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		



FILE NAME : N:\DoorField\120414\Civil\PKS\_120414.SHT  
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 PLOT SCALE : 1/8"  
 PLOT DATE : 8/30/2015

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

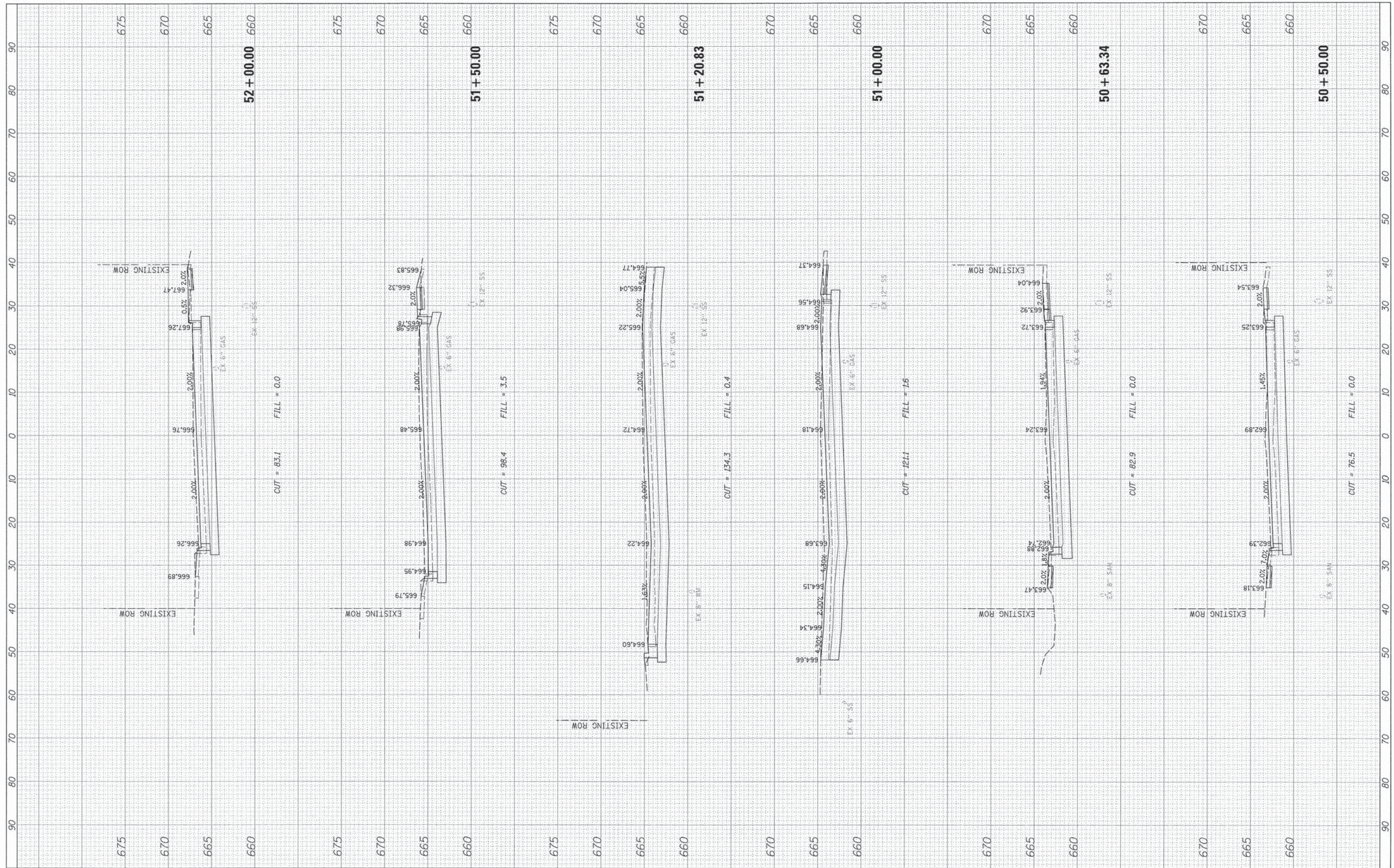
**DEERFIELD ROAD**

SCALE: SHEET 33 OF 43 SHEETS STA. 48+76.06 TO STA. 50+00.00

F.A. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 307
CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		



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 PLOT DATE = 8/30/2015

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DEERFIELD ROAD**

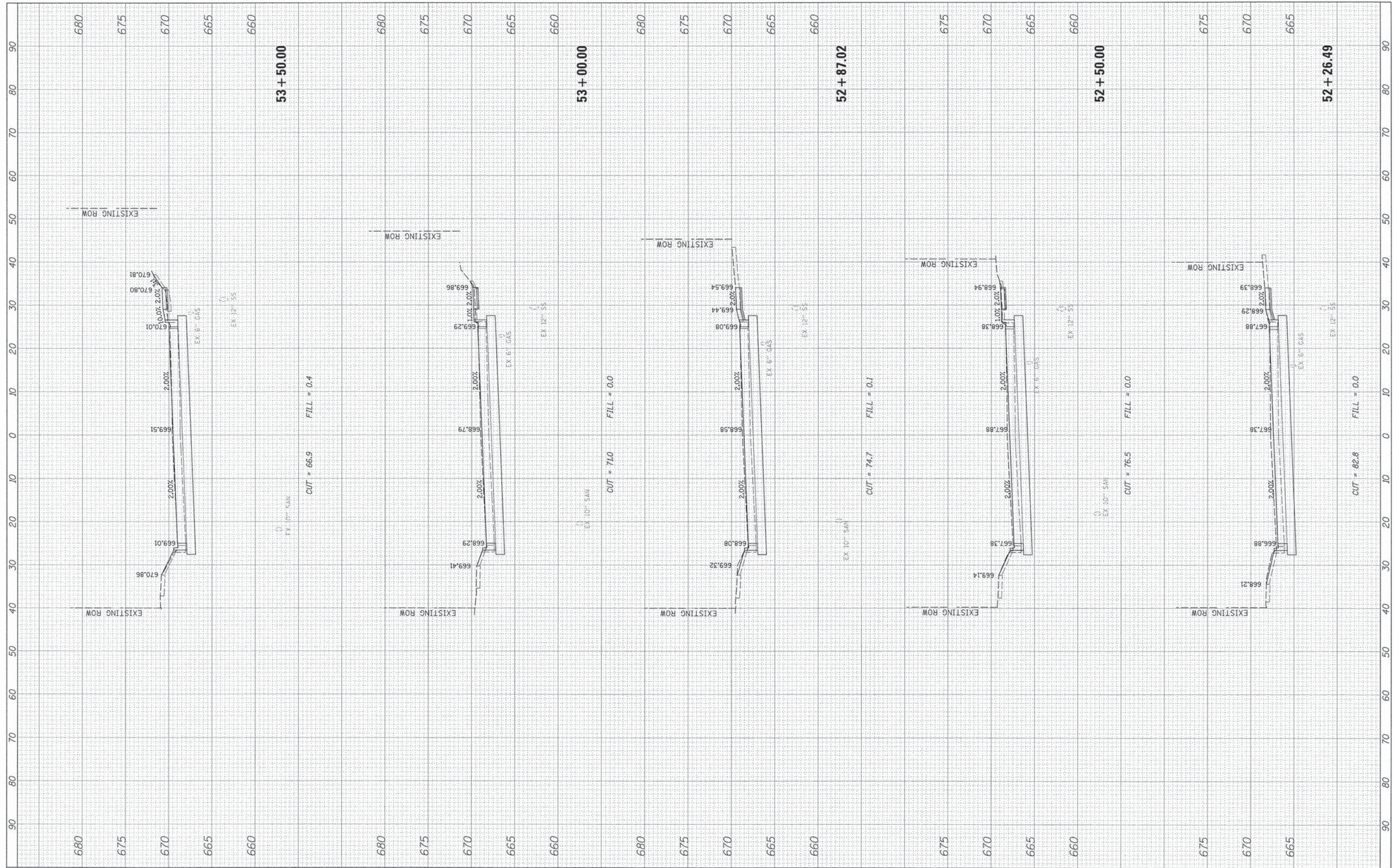
SCALE: SHEET 34 OF 43 SHEETS STA. 50+50.00 TO STA. 52+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	308
CONTRACT NO. 63882			ILLINOIS FED. AID PROJECT	



FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS	TEMPLATE		
AREAS	CHECKED		
NO.			

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS	TEMPLATE		
AREAS	CHECKED		
NO.			



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 PLOT DATE = 8/30/2015

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

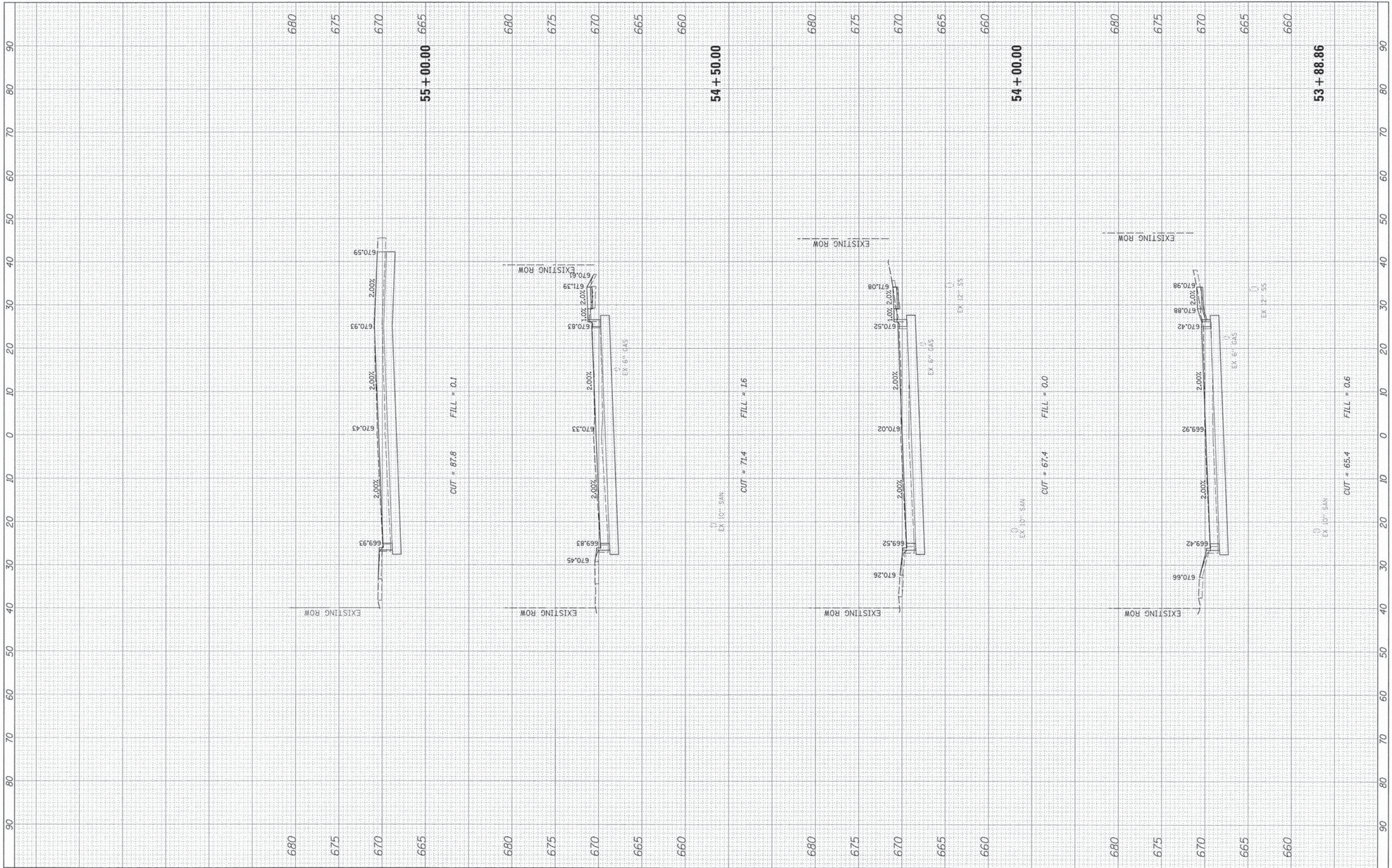
**DEERFIELD ROAD**

SCALE: SHEET 35 OF 43 SHEETS STA. 52+26.49 TO STA. 53+50.00

F.A. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 309
CONTRACT NO. 63882				ILLINOIS FED. AID PROJECT

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		



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 PLOT SCALE = 10'  
 PLOT DATE = 8/30/2015

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

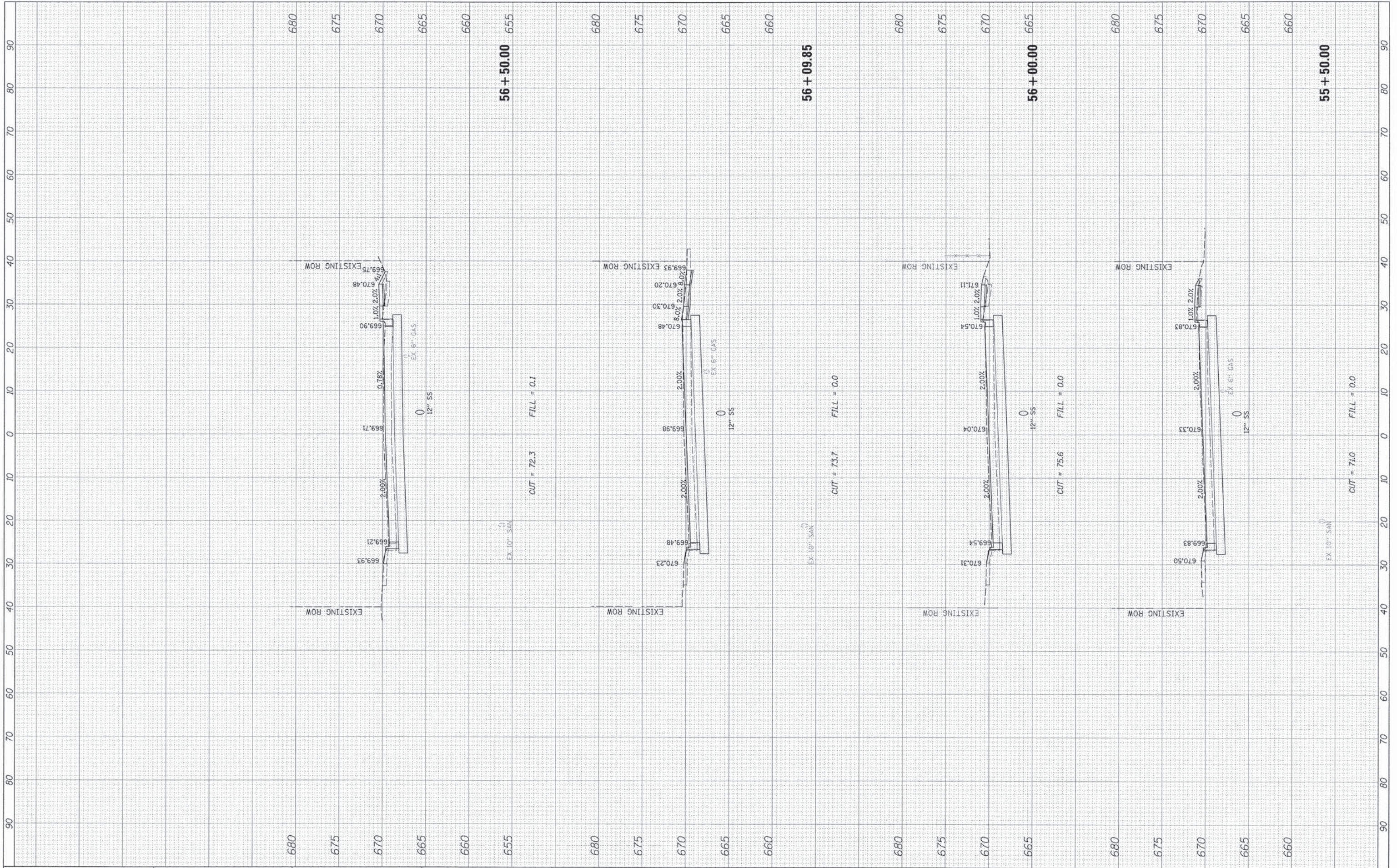
**DEERFIELD ROAD**

SCALE: SHEET 36 OF 43 SHEETS STA. 53+88.86 TO STA. 55+00.00

F.A. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 310
CONTRACT NO. 63882			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	CHECKED		



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 PLOT DATE = 8/30/2015

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
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 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DEERFIELD ROAD**

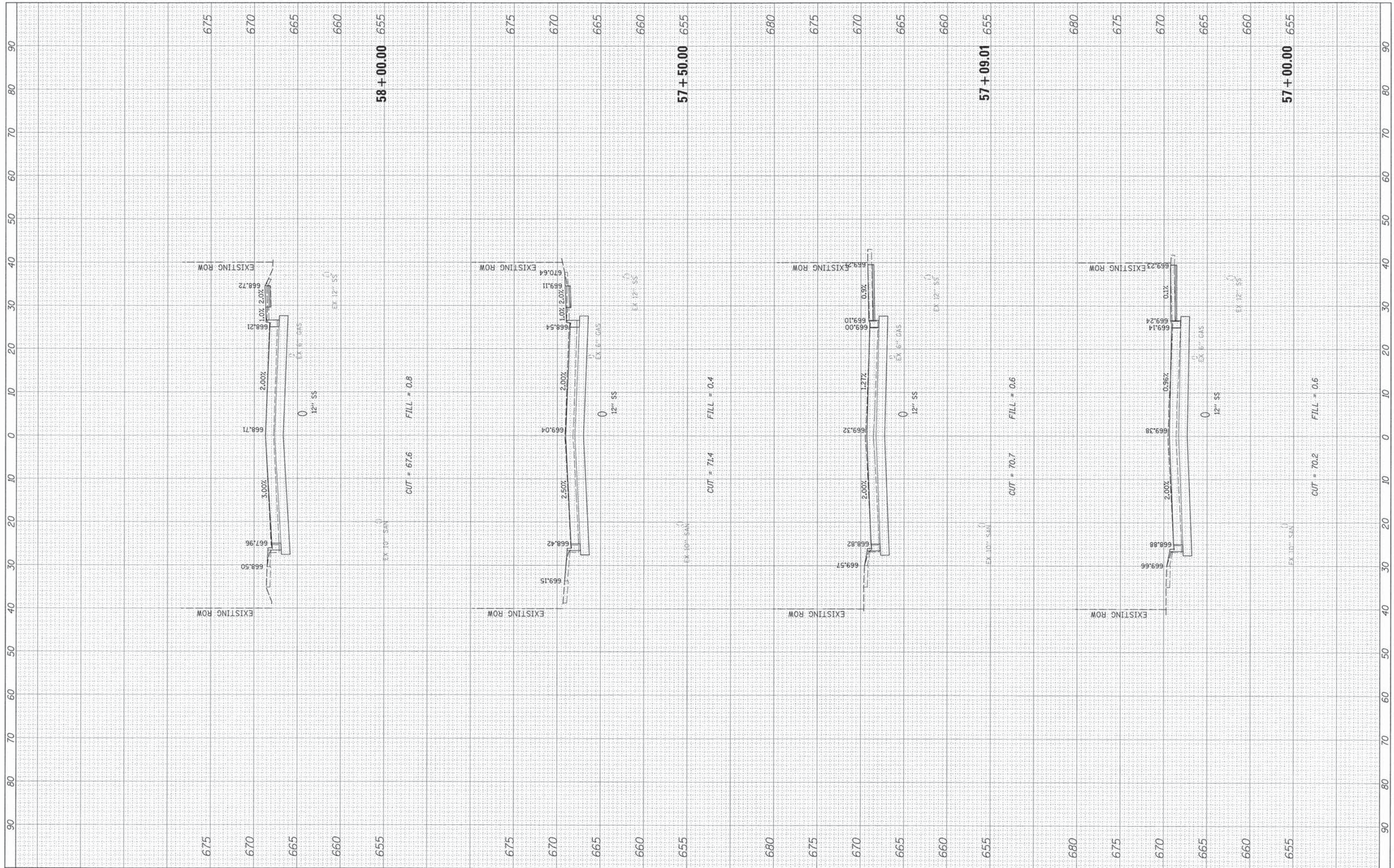
SCALE: SHEET 37 OF 43 SHEETS STA. 55+50.00 TO STA. 56+50.00

F.A. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 311
CONTRACT NO. 63882				

ILLINOIS FED. AID PROJECT

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		



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DESIGNED -	REVISED -
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CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

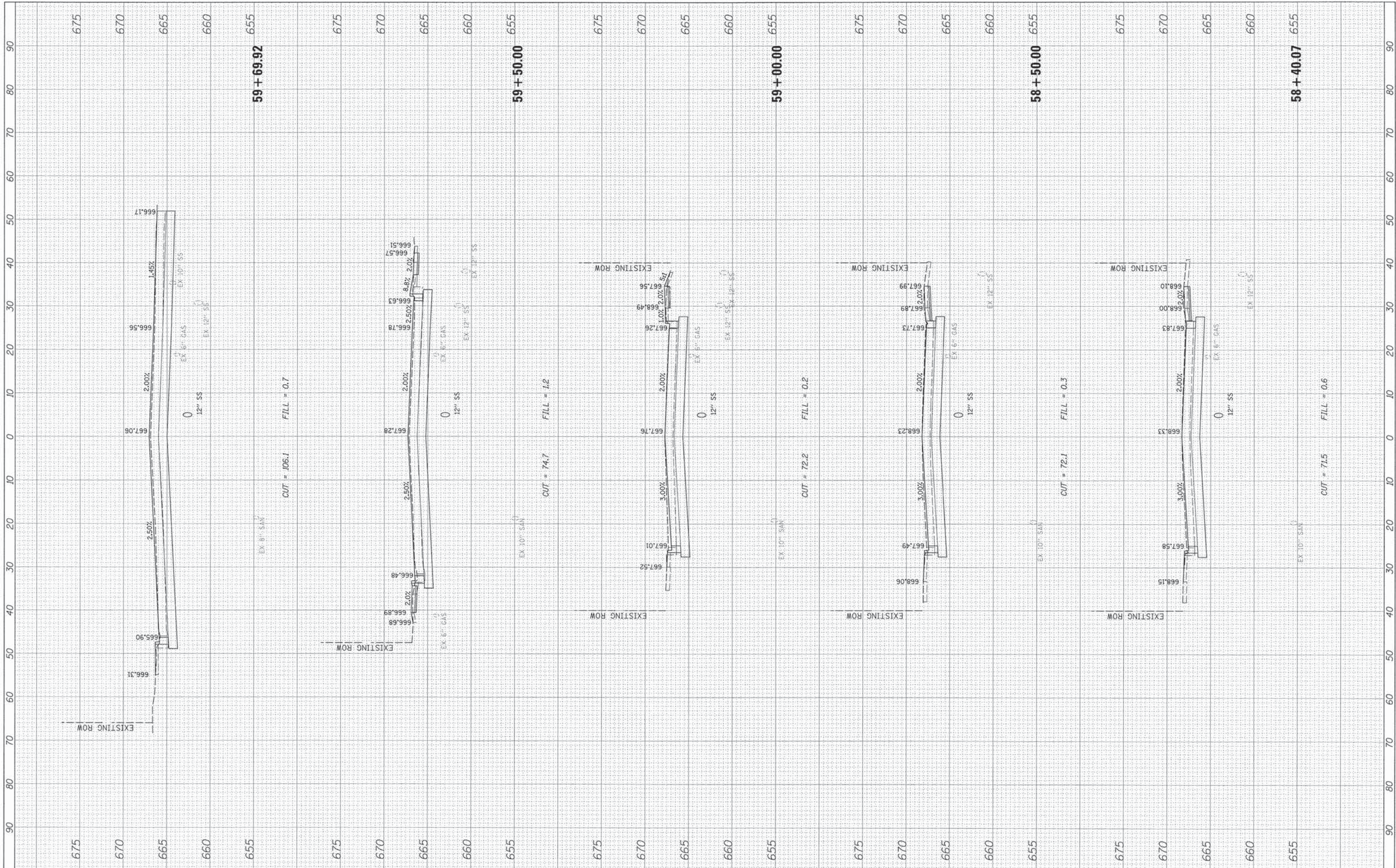
**DEERFIELD ROAD**

SCALE: SHEET 38 OF 43 SHEETS STA. 57+00.00 TO STA. 58+00.00

F.A. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 312
CONTRACT NO. 63882			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
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	CHECKED		

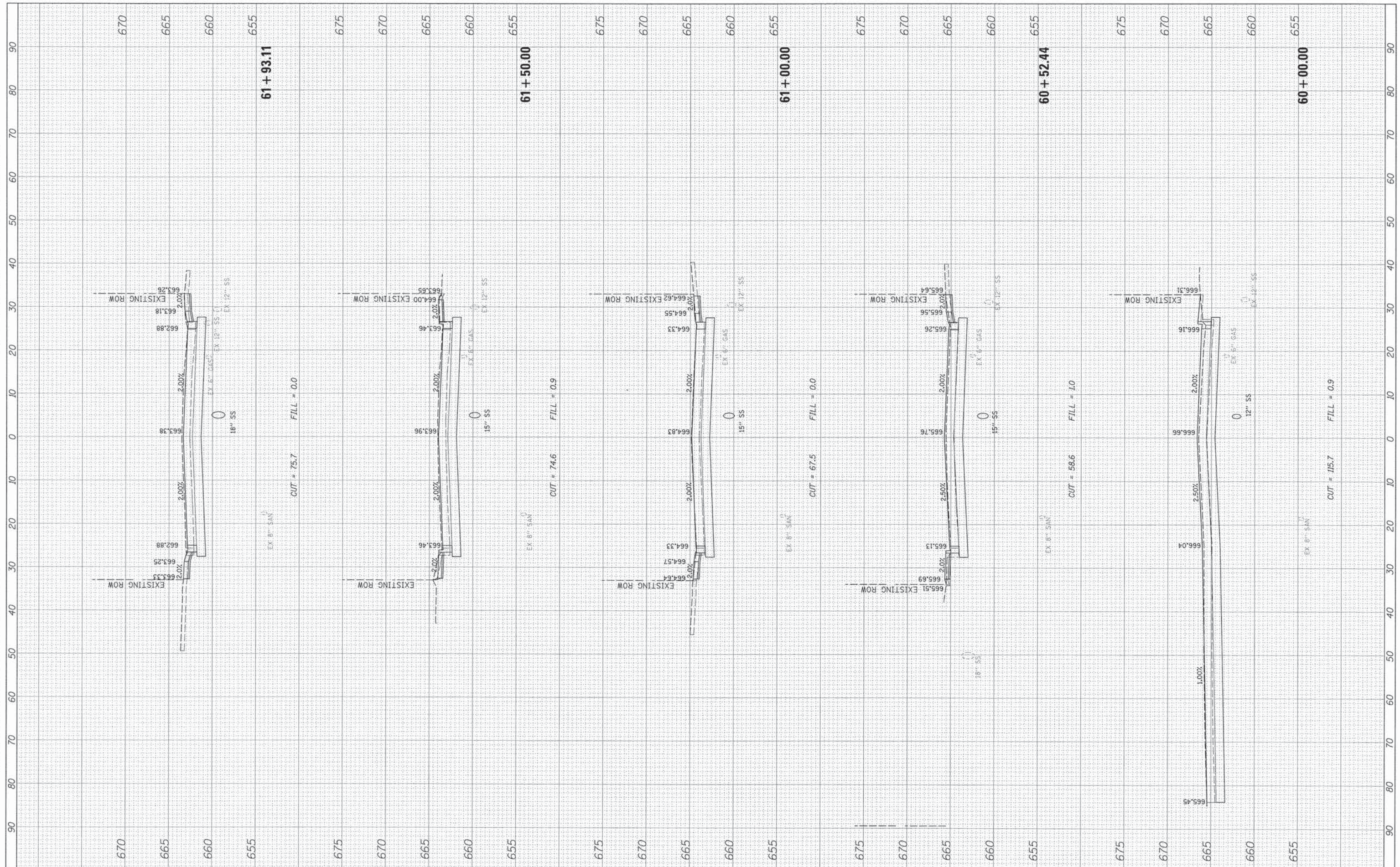
ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	CHECKED		



FILE NAME = R:\Deerfield\120414\Civil\VPXS_120414.SHT	USER NAME = jstbrck	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b> DEERFIELD ROAD SCALE: SHEET 39 OF 43 SHEETS STA. 58+40.07 TO STA. 59+69.92	F.A. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 313
Default	PLOT SCALE = 1/8"	DRAWN -	REVISED -		CONTRACT NO. 63882				
	PLOT DATE = 8/30/2015	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT				
		DATE -	REVISED -						

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
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 PLOT SCALE : 10'  
 PLOT DATE : 8/30/2015

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

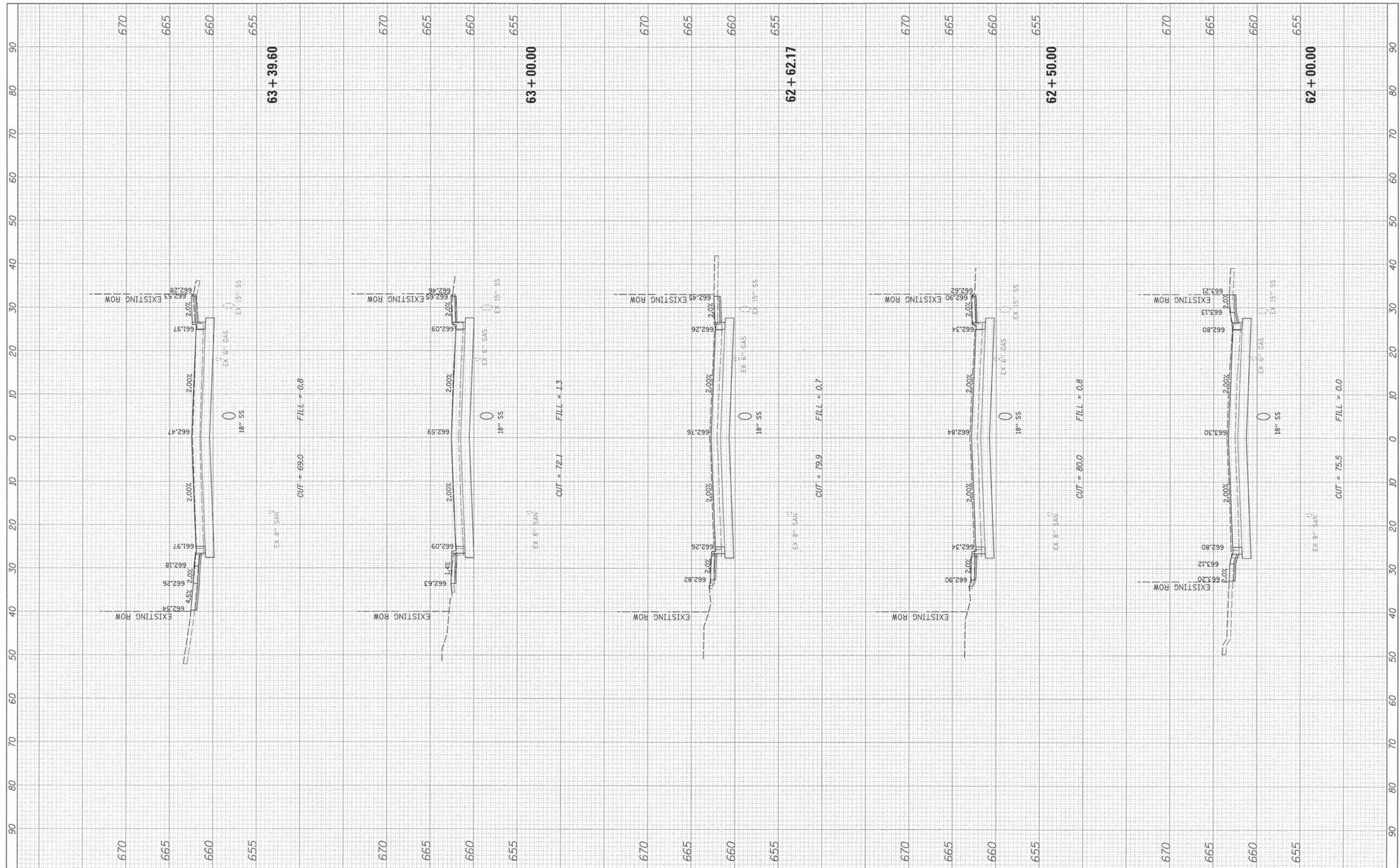
**DEERFIELD ROAD**

SCALE: SHEET 40 OF 43 SHEETS STA. 60+00.00 TO STA. 61+93.11

F.A. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 314
CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SUBMITTED	DATE
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY	SUBMITTED	DATE
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS CHECKED	



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 PLOT SCALE = 18"  
 PLOT DATE = 8/30/2015

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

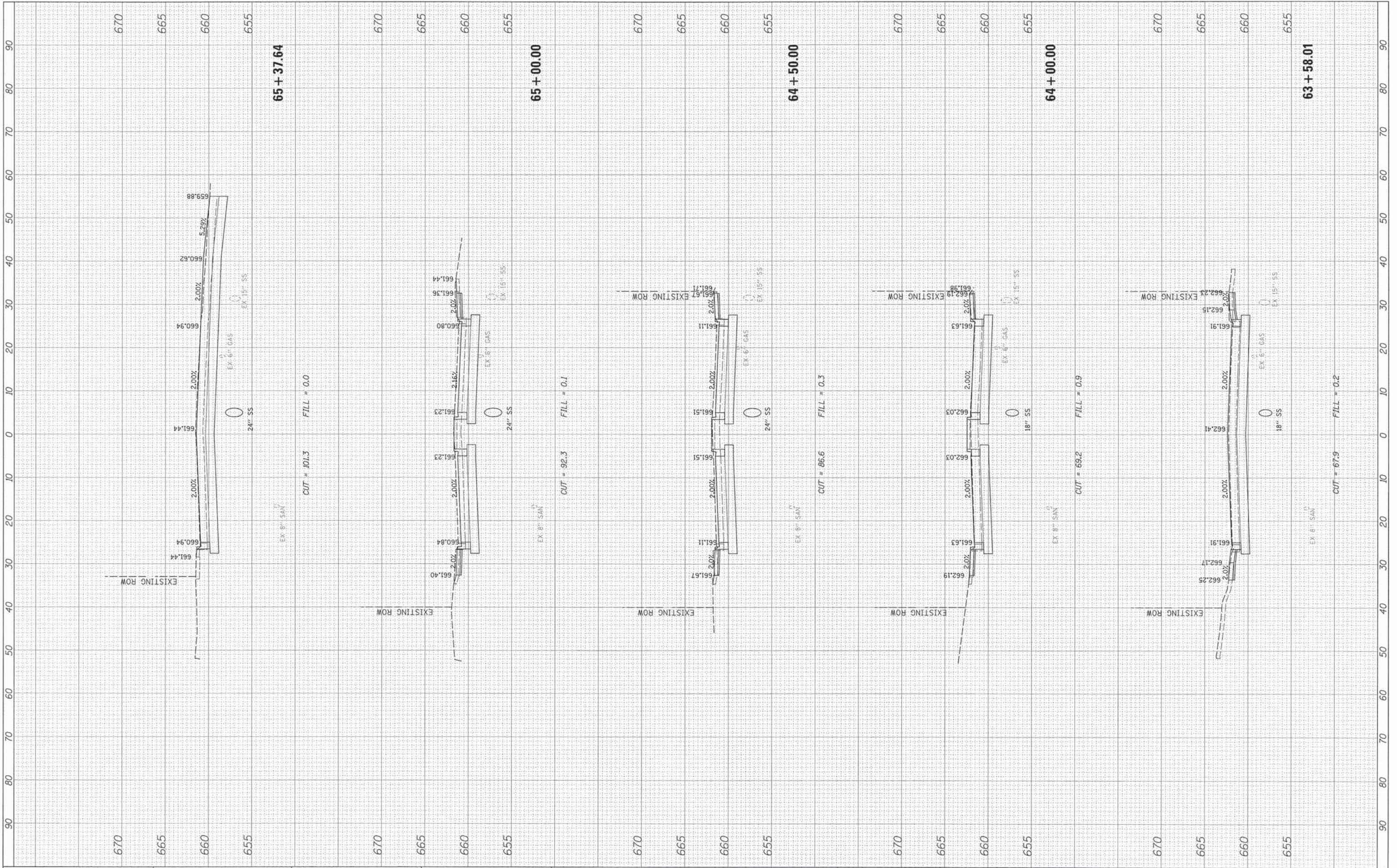
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DEERFIELD ROAD**  
 SCALE: SHEET 41 OF 43 SHEETS STA. 62+00.00 TO STA. 63+39.60

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	315
CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS	
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ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
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	CHECKED	



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 PLOT SCALE = 1/8"  
 PLOT DATE = 8/28/2015

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DEERFIELD ROAD**

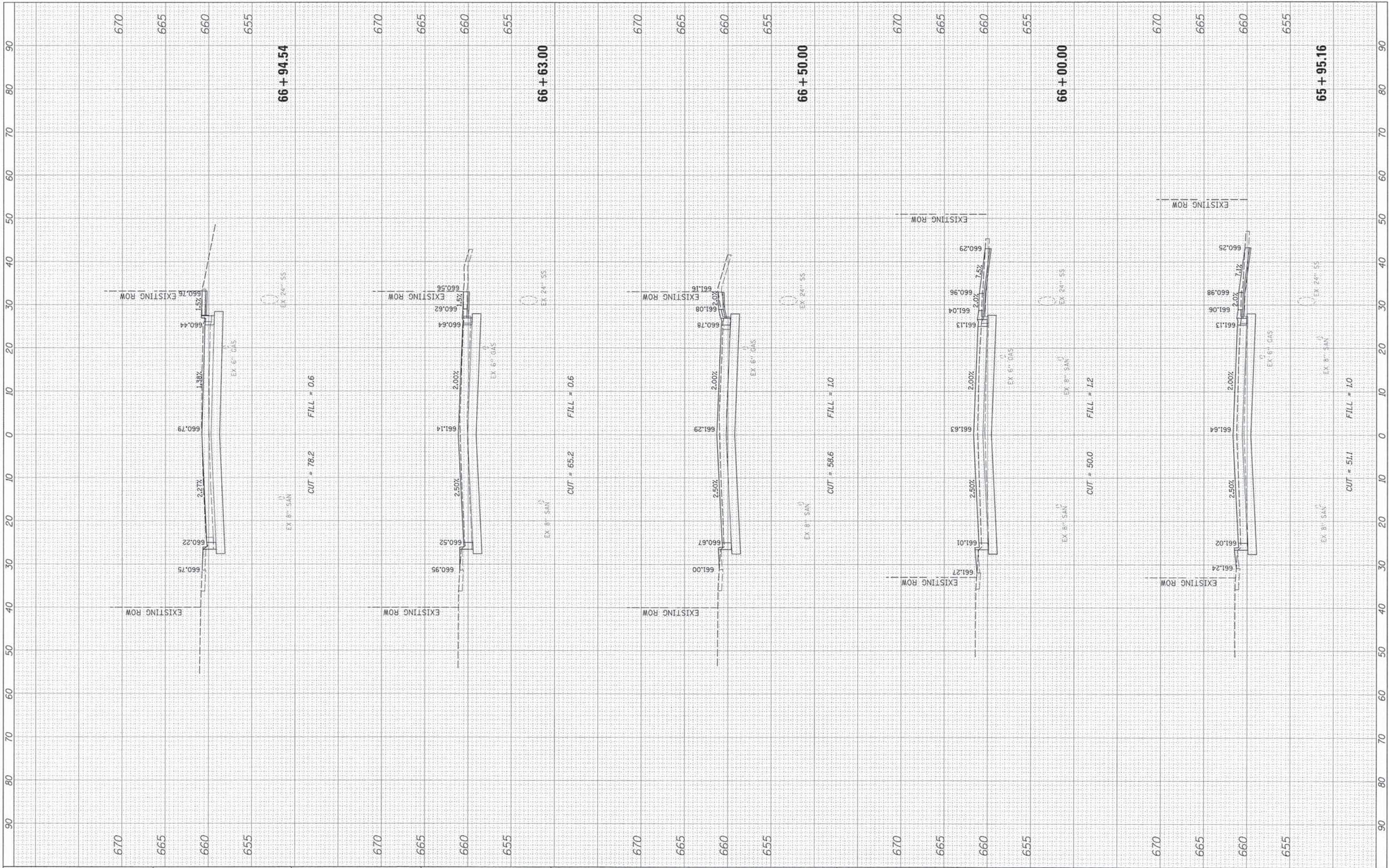
SCALE: SHEET 42 OF 43 SHEETS STA. 63+58.01 TO STA. 65+37.64

F.A. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 316
CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				



FINAL SURVEY	SUPERVISOR	DATE
NOTE BOOK	PLOTTED	BT
AREAS	TEMPLATE	
CHECKED	AREAS	
	CHECKED	

ORIGINAL SURVEY	SUPERVISOR	DATE
NOTE BOOK	PLOTTED	BT
AREAS	TEMPLATE	
CHECKED	AREAS	
	CHECKED	



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 PLOT SCALE = 10'  
 PLOT DATE = 8/30/2015

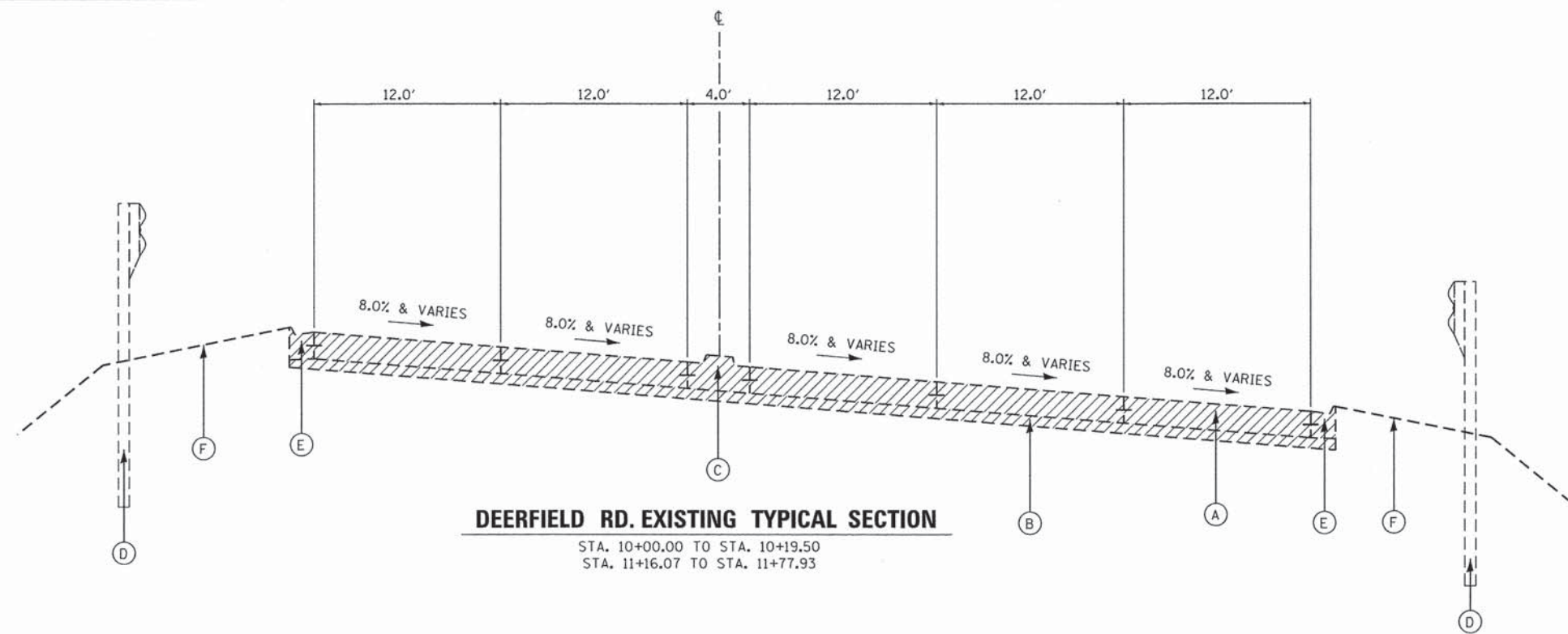
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DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DEERFIELD ROAD**

SCALE: SHEET 43 OF 43 SHEETS STA. 65+95.16 TO STA. 66+94.54

F.A. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 317
CONTRACT NO. 63882				ILLINOIS FED. AID PROJECT



**DEERFIELD RD. EXISTING TYPICAL SECTION**

STA. 10+00.00 TO STA. 10+19.50  
STA. 11+16.07 TO STA. 11+77.93

**EXISTING LEGEND:**

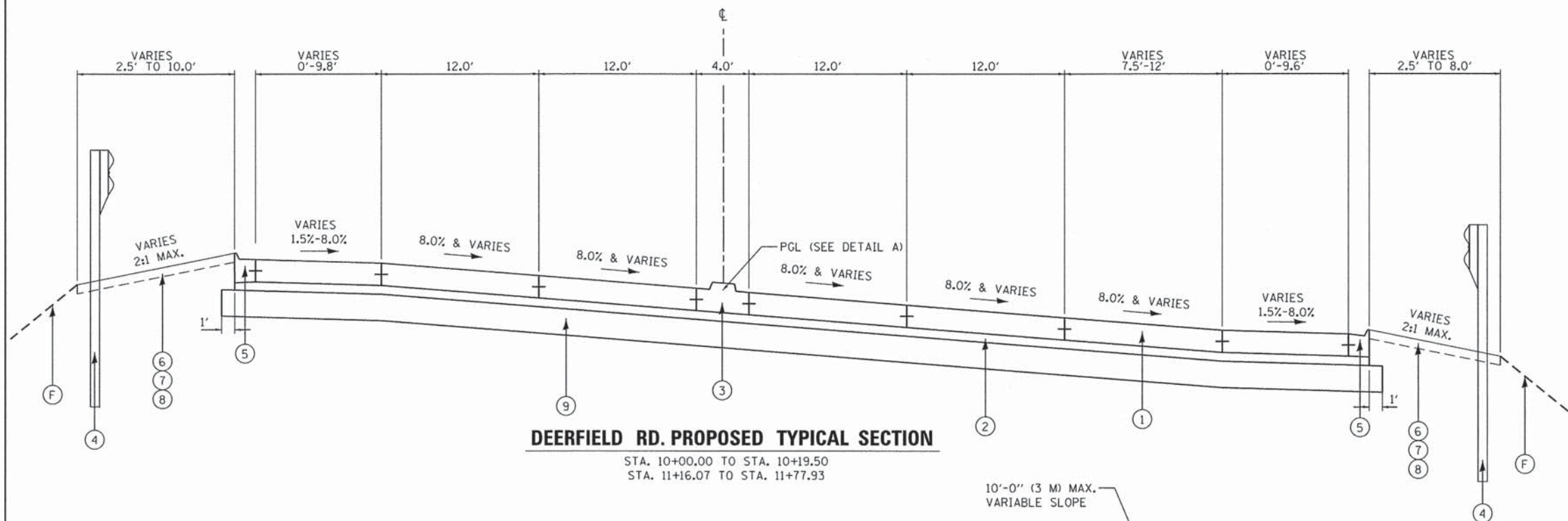
- (A) EXISTING PCC PAVEMENT, 10"
- (B) EXISTING SUBBASE GRANULAR MATERIAL, 4"
- (C) EXISTING CONCRETE MEDIAN
- (D) EXISTING GUARDRAIL
- (E) EXISTING CURB & GUTTER
- (F) EXISTING GROUND



TO BE REMOVED

**PROPOSED LEGEND:**

- (1) BRIDGE APPROACH PAVEMENT CONNECTOR (PCC)
- (2) STABILIZED SUBBASE-HOT-MIX ASPHALT, 4 1/2"
- (3) CONCRETE MEDIAN, TYPE SB-6.12
- (4) STEEL PLATE BEAM GUARDRAIL (SEE PLANS FOR LOCATION)
- (5) COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12
- (6) TOPSOIL FURNISH AND PLACE, 4"
- (7) HEAVY DUTY EROSION CONTROL BLANKET
- (8) SEEDING, CLASS 3
- (9) AGGREGATE SUBGRADE IMPROVEMENT, 12"

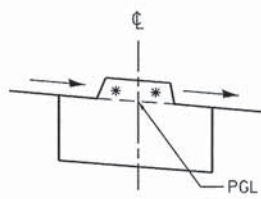


**DEERFIELD RD. PROPOSED TYPICAL SECTION**

STA. 10+00.00 TO STA. 10+19.50  
STA. 11+16.07 TO STA. 11+77.93

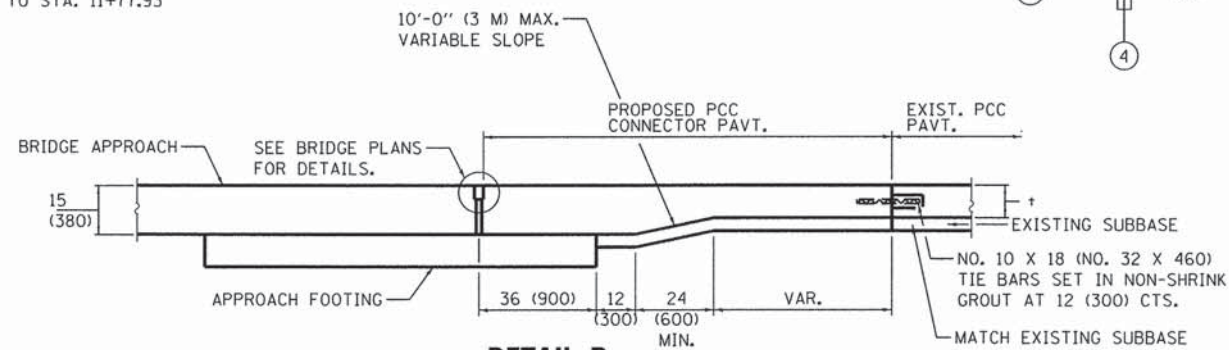
**NOTES:**

1. TIE BARS USED TO TIE PROP. JOINTED PCC PAVEMENT INTO PROP. CURB AND GUTTER AND MEDIAN SHALL BE INCIDENTAL TO THE COST OF COMBINATION CONCRETE CURB AND GUTTER, OF THE TYPE SPECIFIED.



**DETAIL A**

\* - MATCH PAVEMENT SLOPE



**DETAIL B**

SEE STANDARD 420401 FOR ADDITIONAL DETAILS

FILE NAME: \*.RFILES

**COLLINS ENGINEERS**

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PLOT SCALE = 5,0000 "/ in.  
PLOT DATE = 9/1/2015

DESIGNED -  
DRAWN -  
CHECKED -  
DATE -

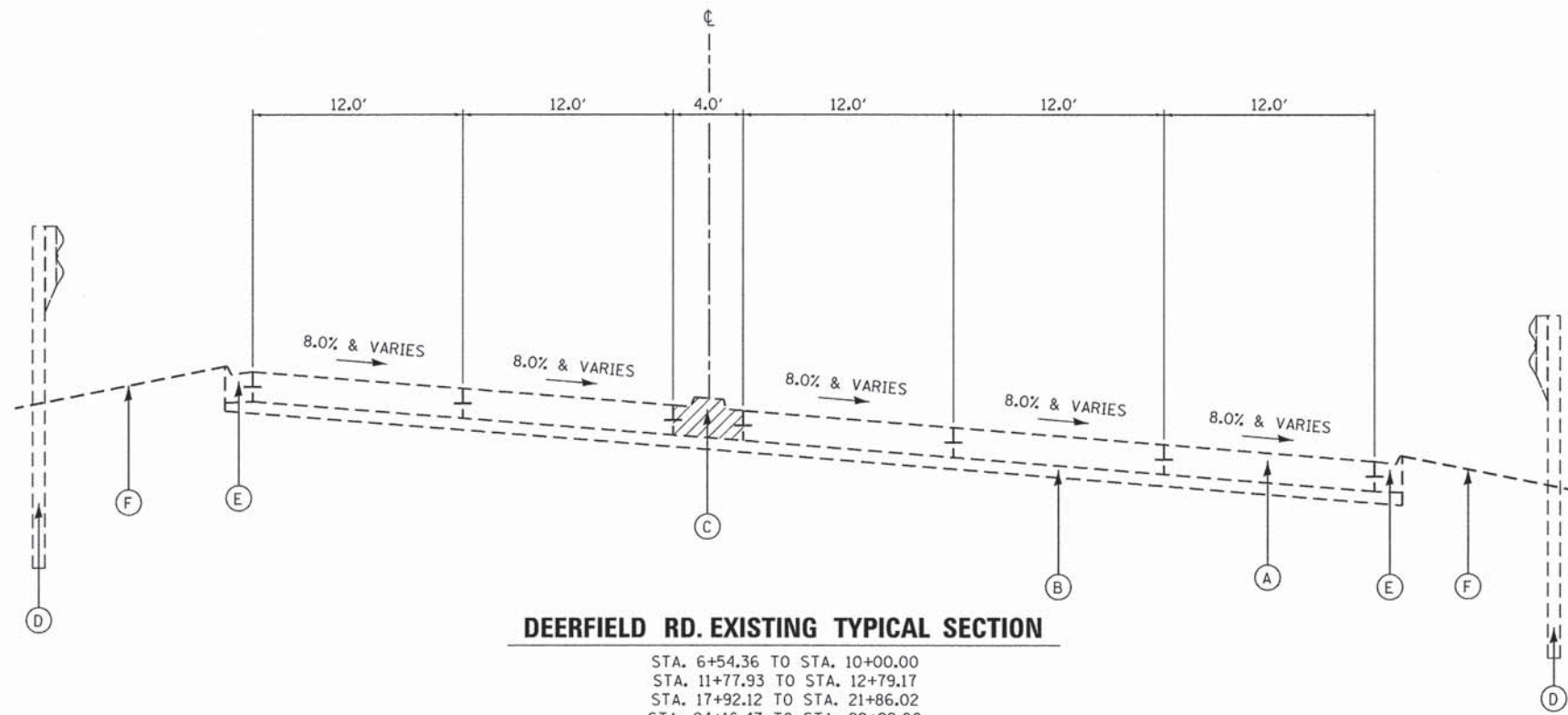
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REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FAU ROUTE 1257 (DEERFIELD ROAD)  
TYPICAL SECTIONS**

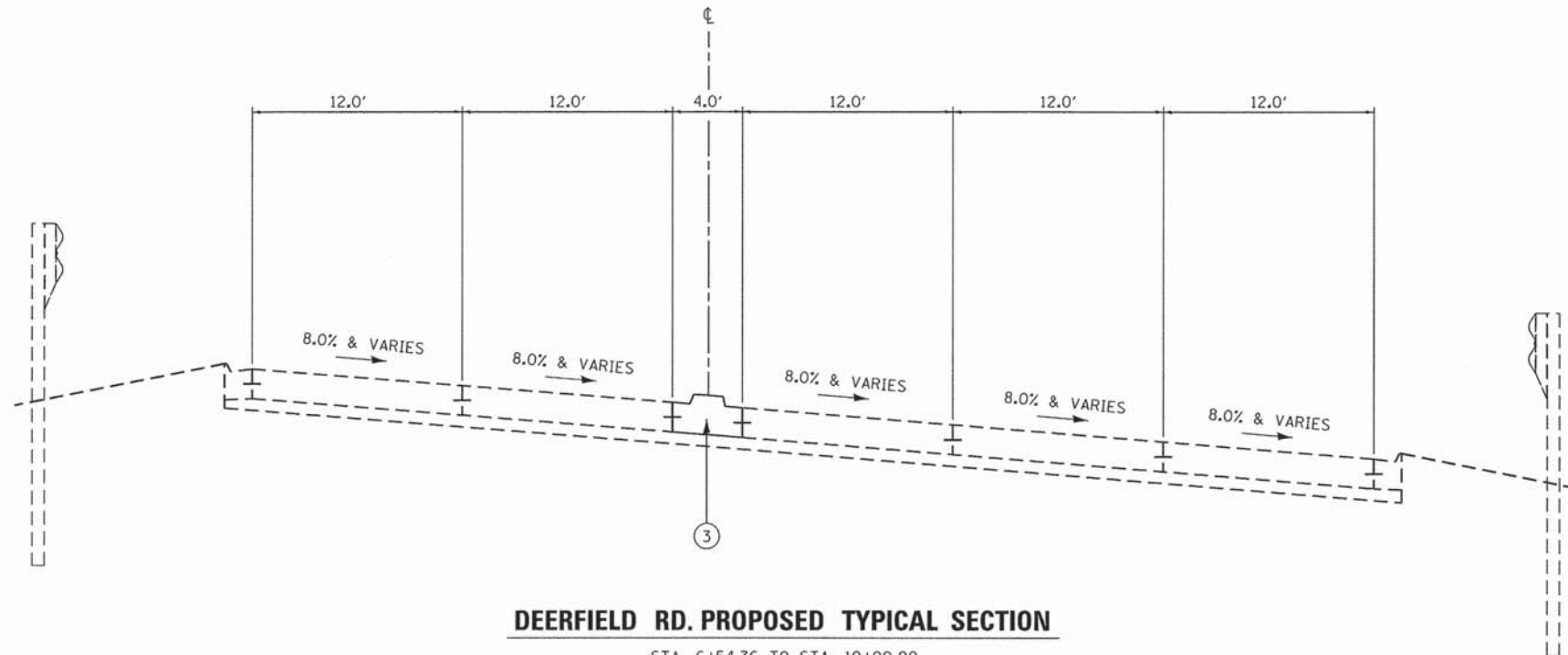
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	318
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63882	



**DEERFIELD RD. EXISTING TYPICAL SECTION**

STA. 6+54.36 TO STA. 10+00.00  
 STA. 11+77.93 TO STA. 12+79.17  
 STA. 17+92.12 TO STA. 21+86.02  
 STA. 24+16.47 TO STA. 29+22.00



**DEERFIELD RD. PROPOSED TYPICAL SECTION**

STA. 6+54.36 TO STA. 10+00.00  
 STA. 11+77.93 TO STA. 12+79.17  
 STA. 17+92.12 TO STA. 21+86.02  
 STA. 24+16.47 TO STA. 29+22.00

**EXISTING LEGEND:**

- (A) EXISTING PCC PAVEMENT, 10"
  - (B) EXISTING SUBBASE GRANULAR MATERIAL, 4"
  - (C) EXISTING CONCRETE MEDIAN
  - (D) EXISTING GUARDRAIL
  - (E) EXISTING CURB & GUTTER
  - (F) EXISTING GROUND
- TO BE REMOVED

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

MIXTURE TYPE	AIR VOIDS AT NDES
BRIDGE APPROACH - RESURFACING	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70 (IL 9.5 mm), 2"	4% @ 70 GYR.
BRIDGE APPROACH - RECONSTRUCTION	
STABILIZED SUBBASE (HMA BINDER IL-19mm), 4 1/2"	3% @ 50 GYR.

OMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA);  
 QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE (PFP)

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN

FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ON SPECIAL PROVISIONS.

FOR USE OF RECYCLED MATERIALS, SEE SPECIAL PROVISIONS.

QUALITY MANAGEMENT PROGRAM (OMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "PG 76-22"

**PROPOSED LEGEND:**

- (1) BRIDGE APPROACH PAVEMENT CONNECTOR (PCC)
- (2) STABILIZED SUBBASE-HOT-MIX ASPHALT, 4 1/2"
- (3) CONCRETE MEDIAN, TYPE SB-6.12
- (4) STEEL PLATE BEAM GUARDRAIL (SEE PLANS FOR LOCATION)
- (5) COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12
- (6) TOPSOIL FURNISH AND PLACE, 4"
- (7) EROSION CONTROL BLANKET
- (8) SEEDING, CLASS 2A
- (9) AGGREGATE SUBGRADE IMPROVEMENT, 12"

**NOTES:**

1. TIE BARS USED TO TIE PROP. JOINTED PCC PAVEMENT INTO PROP. MEDIAN SHALL BE INCIDENTAL TO THE COST OF COMBINATION CONCRETE CURB AND GUTTER, OF THE TYPE SPECIFIED.

FILE NAME: \*.RTE

**COLLINS ENGINEERS**

USER NAME = rgo11	DESIGNED -	REVISED -
PLOT SCALE = 5,0000' / 1"	DRAWN -	REVISED -
PLOT DATE = 9/1/2015	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**FAU ROUTE 1257 (DEERFIELD ROAD)  
 TYPICAL SECTIONS**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	319
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63882	

**PROPOSED PAVEMENT**

LOCATION	STATION		AGGREGATE SUBGRADE IMPROVEMENT, 12" [SQ YD]	STABILIZED SUBBASE-HOT-MIX-ASPHALT, 4-1/2" [SQ YD]	BRIDGE APPROACH PAVEMENT CONNECTOR (PCC) [SQ YD]	CONCRETE MEDIAN, TYPE SB-6.12 [SQ FT]
	FROM	TO				
STR. 049-0072 (SW)	10+00.00	10+19.50	162	158	141	
STR. 049-0072 (NE)	11+16.07	11+77.93	507	493	443	
DEERFIELD ROAD	6+54.36	9+00.00				983
DEERFIELD ROAD	9+00.00	10+20.50				480
DEERFIELD ROAD	11+15.00	12+79.17				656
DEERFIELD ROAD	13+00.00	18+00.00				32
DEERFIELD ROAD	18+00.00	23+00.00				1545
DEERFIELD ROAD	23+00.00	28+00.00				1548
DEERFIELD ROAD	28+00.00	29+22.00				488
TOTAL			669	651	584	5732

**PROPOSED TRAFFIC BARRIER**

LOCATION	OFFSET	TR BAR TRM T6 [EACH]	GUARDRAIL MARKERS, TYPE A [EACH]
STR. 049-0072	LT	2	8
STR. 049-0072	RT	2	8
TOTAL		4	16

FILE NAME = \$FILES



USER NAME = rgo11  
 PLOT SCALE = 5,0000' / 1/8"  
 PLOT DATE = 9/1/2015

DESIGNED -  
 DRAWN -  
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 DATE -

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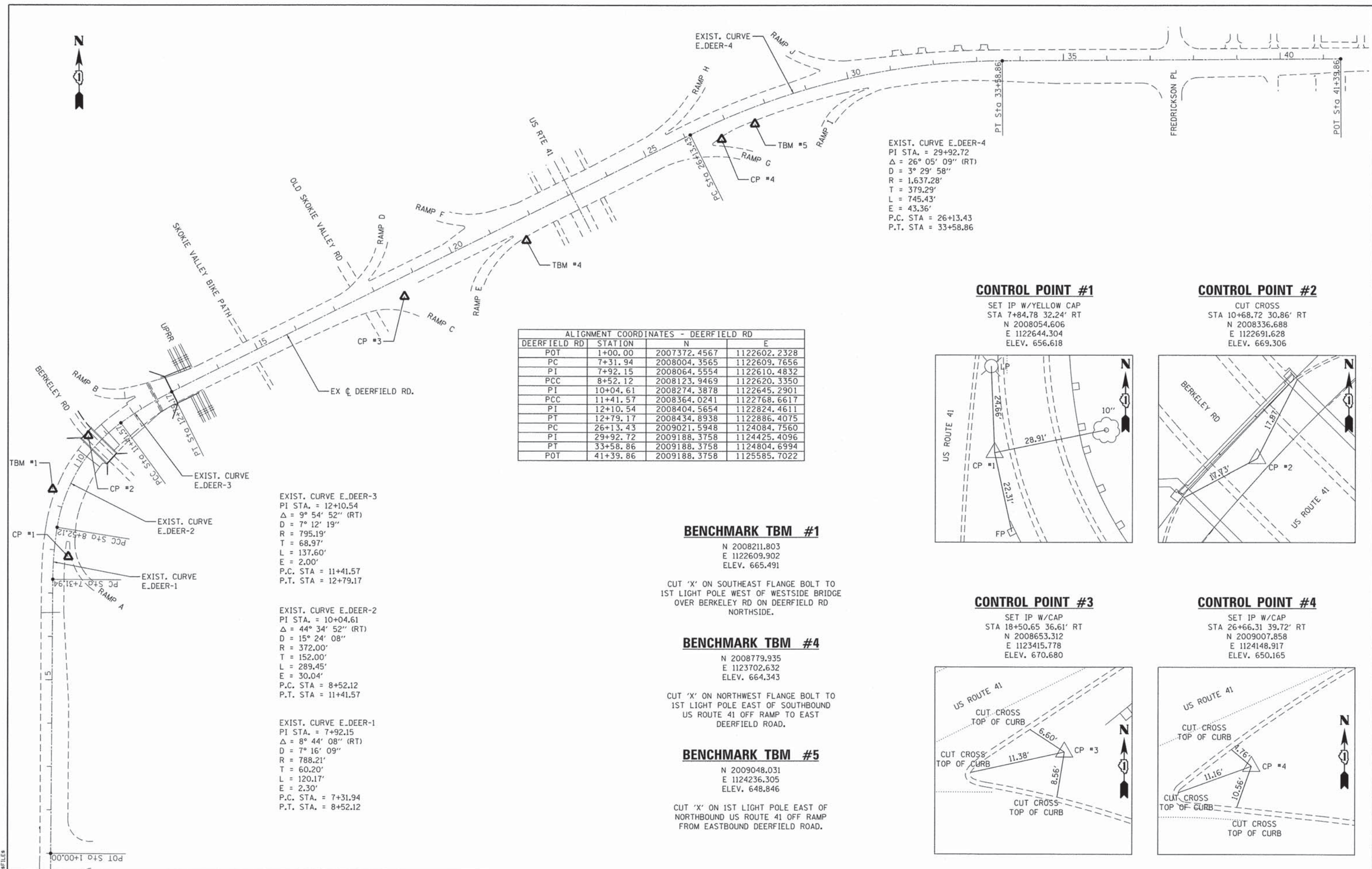
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

FAU ROUTE 1257 (DEERFIELD ROAD)  
 SCHEDULE OF QUANTITIES

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	320

CONTRACT NO. 63882  
 FED. ROAD DIST. NO. 1 | ILLINOIS FED. AID PROJECT



EXIST. CURVE E.DEER-4  
 PI STA. = 29+92.72  
 $\Delta = 26^\circ 05' 09''$  (RT)  
 D = 3° 29' 58"  
 R = 1,637.28'  
 T = 379.29'  
 L = 745.43'  
 E = 43.36'  
 P.C. STA = 26+13.43  
 P.T. STA = 33+58.86

ALIGNMENT COORDINATES - DEERFIELD RD			
DEERFIELD RD	STATION	N	E
POT	1+00.00	2007372.4567	1122602.2328
PC	7+31.94	2008004.3565	1122609.7656
PI	7+92.15	2008064.5554	1122610.4832
PCC	8+52.12	2008123.9469	1122620.3350
PI	10+04.61	2008274.3878	1122645.2901
PCC	11+41.57	2008364.0241	1122768.6617
PI	12+10.54	2008404.5654	1122824.4611
PT	12+79.17	2008434.8938	1122886.4075
PC	26+13.43	2009021.5948	1124084.7560
PI	29+92.72	2009188.3758	1124425.4096
PT	33+58.86	2009188.3758	1124804.6994
POT	41+39.86	2009188.3758	1125585.7022

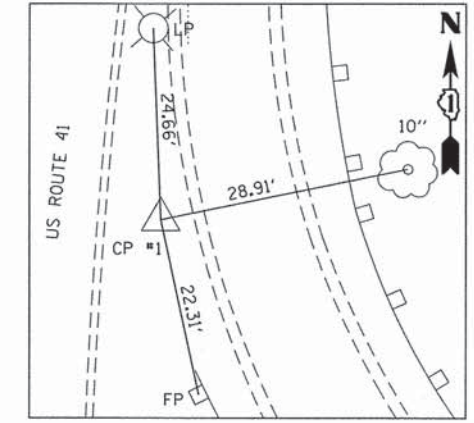
EXIST. CURVE E.DEER-3  
 PI STA. = 12+10.54  
 $\Delta = 9^\circ 54' 52''$  (RT)  
 D = 7° 12' 19"  
 R = 795.19'  
 T = 68.97'  
 L = 137.60'  
 E = 2.00'  
 P.C. STA = 11+41.57  
 P.T. STA = 12+79.17

EXIST. CURVE E.DEER-2  
 PI STA. = 10+04.61  
 $\Delta = 44^\circ 34' 52''$  (RT)  
 D = 15° 24' 08"  
 R = 372.00'  
 T = 152.00'  
 L = 289.45'  
 E = 30.04'  
 P.C. STA = 8+52.12  
 P.T. STA = 11+41.57

EXIST. CURVE E.DEER-1  
 PI STA. = 7+92.15  
 $\Delta = 8^\circ 44' 08''$  (RT)  
 D = 7° 16' 09"  
 R = 788.21'  
 T = 60.20'  
 L = 120.17'  
 E = 2.30'  
 P.C. STA. = 7+31.94  
 P.T. STA. = 8+52.12

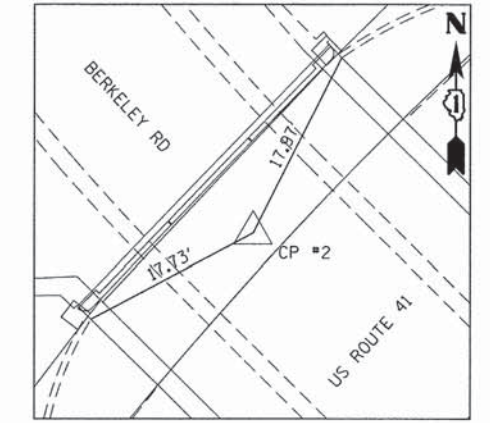
**CONTROL POINT #1**

SET IP W/YELLOW CAP  
 STA 7+84.78 32.24' RT  
 N 2008054.606  
 E 1122644.304  
 ELEV. 656.618



**CONTROL POINT #2**

CUT CROSS  
 STA 10+68.72 30.86' RT  
 N 2008336.688  
 E 1122691.628  
 ELEV. 669.306



**BENCHMARK TBM #1**

N 2008211.803  
 E 1122609.902  
 ELEV. 665.491

CUT 'X' ON SOUTHEAST FLANGE BOLT TO  
 1ST LIGHT POLE WEST OF WESTSIDE BRIDGE  
 OVER BERKELEY RD ON DEERFIELD RD  
 NORTHSIDE.

**BENCHMARK TBM #4**

N 2008779.935  
 E 1123702.632  
 ELEV. 664.343

CUT 'X' ON NORTHWEST FLANGE BOLT TO  
 1ST LIGHT POLE EAST OF SOUTHBOUND  
 US ROUTE 41 OFF RAMP TO EAST  
 DEERFIELD ROAD.

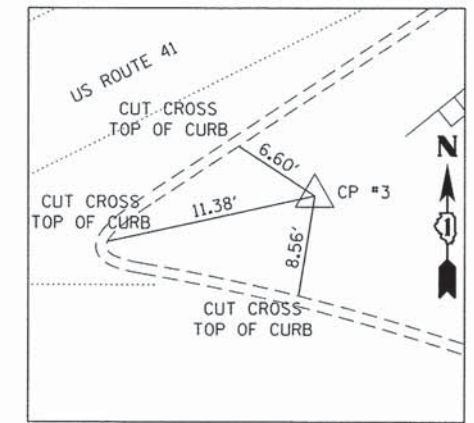
**BENCHMARK TBM #5**

N 2009048.031  
 E 1124236.305  
 ELEV. 648.846

CUT 'X' ON 1ST LIGHT POLE EAST OF  
 NORTHBOUND US ROUTE 41 OFF RAMP  
 FROM EASTBOUND DEERFIELD ROAD.

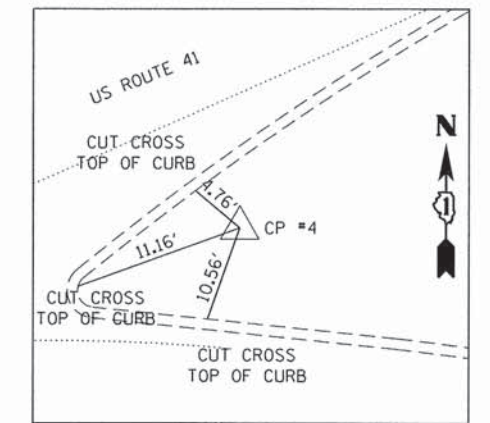
**CONTROL POINT #3**

SET IP W/CAP  
 STA 18+50.65 36.61' RT  
 N 2008653.312  
 E 1123415.778  
 ELEV. 670.680



**CONTROL POINT #4**

SET IP W/CAP  
 STA 26+66.31 39.72' RT  
 N 2009007.858  
 E 1124148.917  
 ELEV. 650.165



USER NAME = rgo11	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 9/1/2015	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

FAU ROUTE 1257 (DEERFIELD ROAD)  
 ALIGNMENT, TIES, AND BENCHMARKS

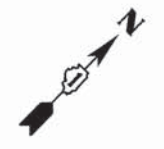
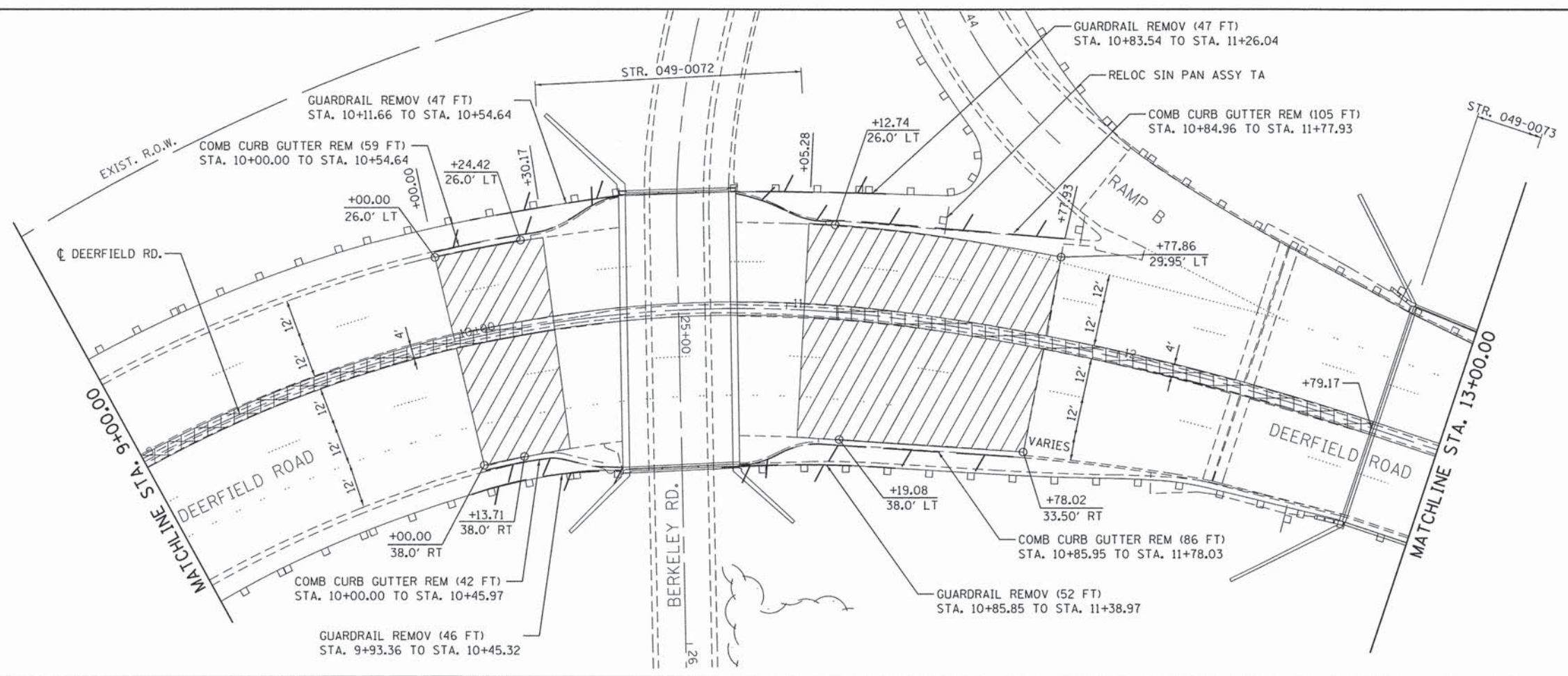
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	321
CONTRACT NO. 63882				
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

FILE NAME = #FILES



BEGIN MEDIAN REMOVAL  
STA. 6+54.36

MATCHLINE STA. 9+00.00



- NOTES:
1. REMOVAL OF EXISTING APPROACH SLABS SHALL BE PAID FOR AS PAVEMENT REMOVAL.
  2. SEE STRUCTURAL SHEETS FOR REMOVAL ITEMS WITHIN BRIDGE LIMITS.
  3. SEE SHEET 64 FOR DRAINAGE REMOVAL PLAN.

**LEGEND:**

	PAVEMENT REMOVAL
	MEDIAN REMOVAL
	LINEAR REMOVAL ITEM

FILE NAME = FILES

**COLLINS ENGINEERS INC.**

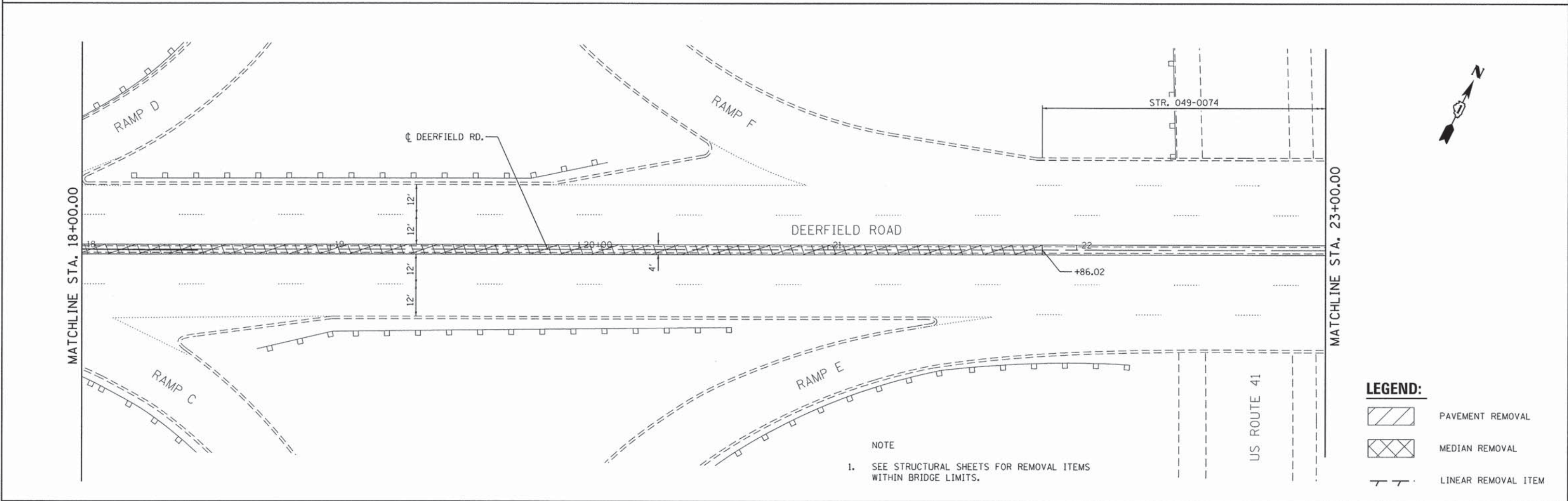
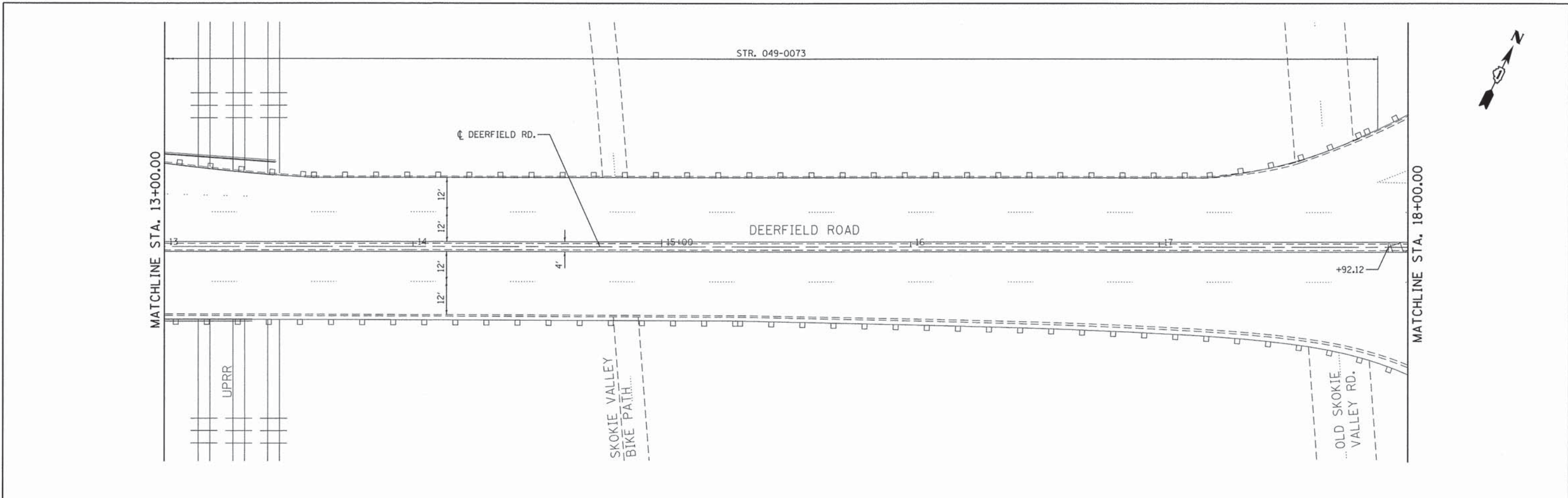
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	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FAU ROUTE 1257 (DEERFIELD ROAD)  
REMOVAL PLAN**

SCALE:	SHEET NO. OF SHEETS	STA. TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	322
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				CONTRACT NO. 63882



**LEGEND:**

	PAVEMENT REMOVAL
	MEDIAN REMOVAL
	LINEAR REMOVAL ITEM

FILE NAME = 8FILES

**COLLINS ENGINEERS**

USER NAME = rgal1  
 PLOT SCALE = 20.0000' / 1" =  
 PLOT DATE = 9/1/2015

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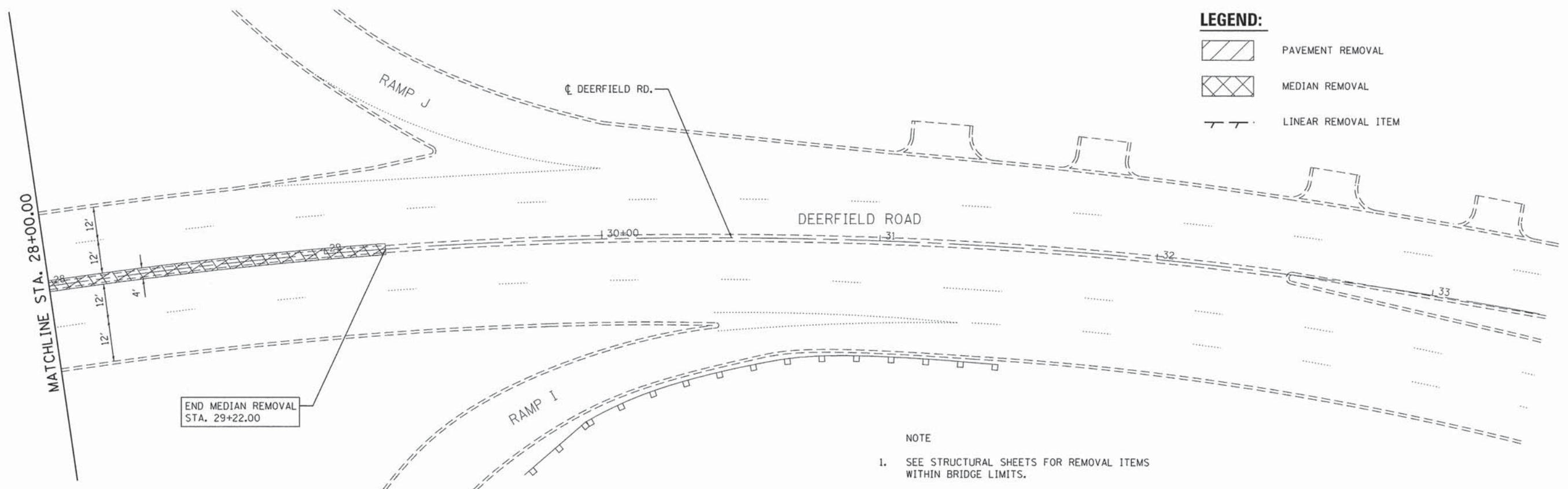
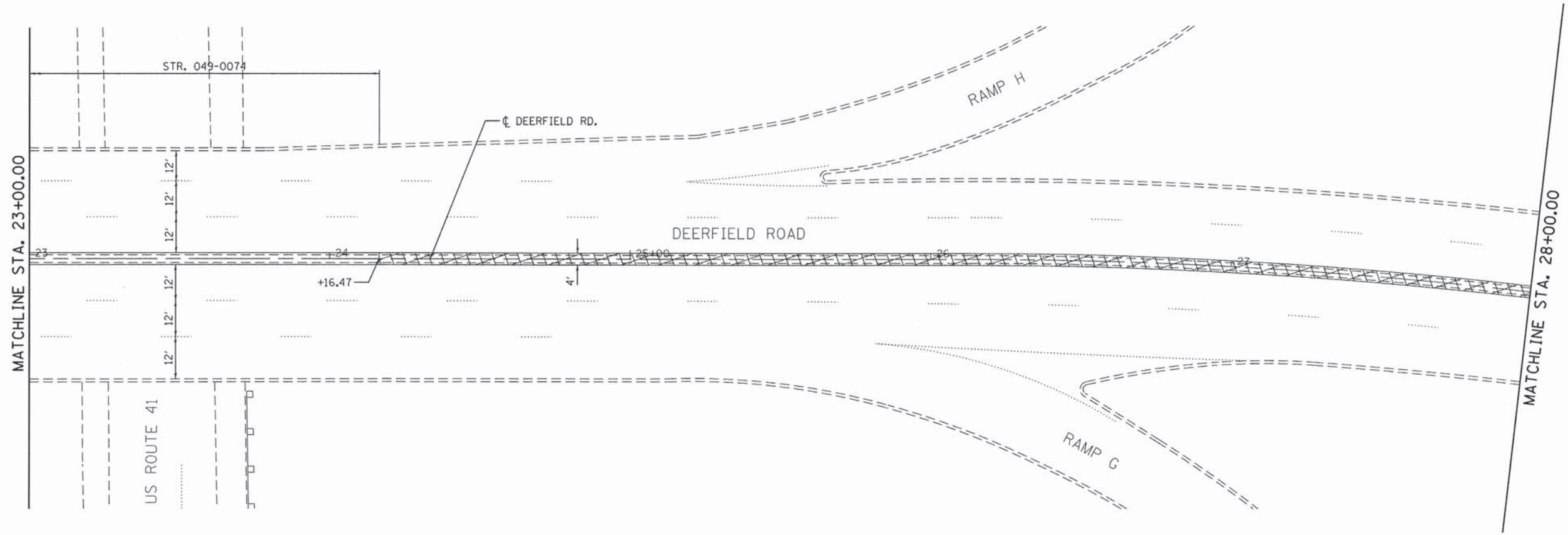
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**FAU ROUTE 1257 (DEERFIELD ROAD)  
 REMOVAL PLAN**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	323
CONTRACT NO. 63882				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**LEGEND:**

- PAVEMENT REMOVAL
- MEDIAN REMOVAL
- LINEAR REMOVAL ITEM

NOTE  
 1. SEE STRUCTURAL SHEETS FOR REMOVAL ITEMS WITHIN BRIDGE LIMITS.

FILE NAME = PFILES

**COLLINS ENGINEERS INC.**

USER NAME = rga11	DESIGNED -	REVISED -
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PLOT DATE = 9/1/2015	CHECKED -	REVISED -
	DATE -	REVISED -

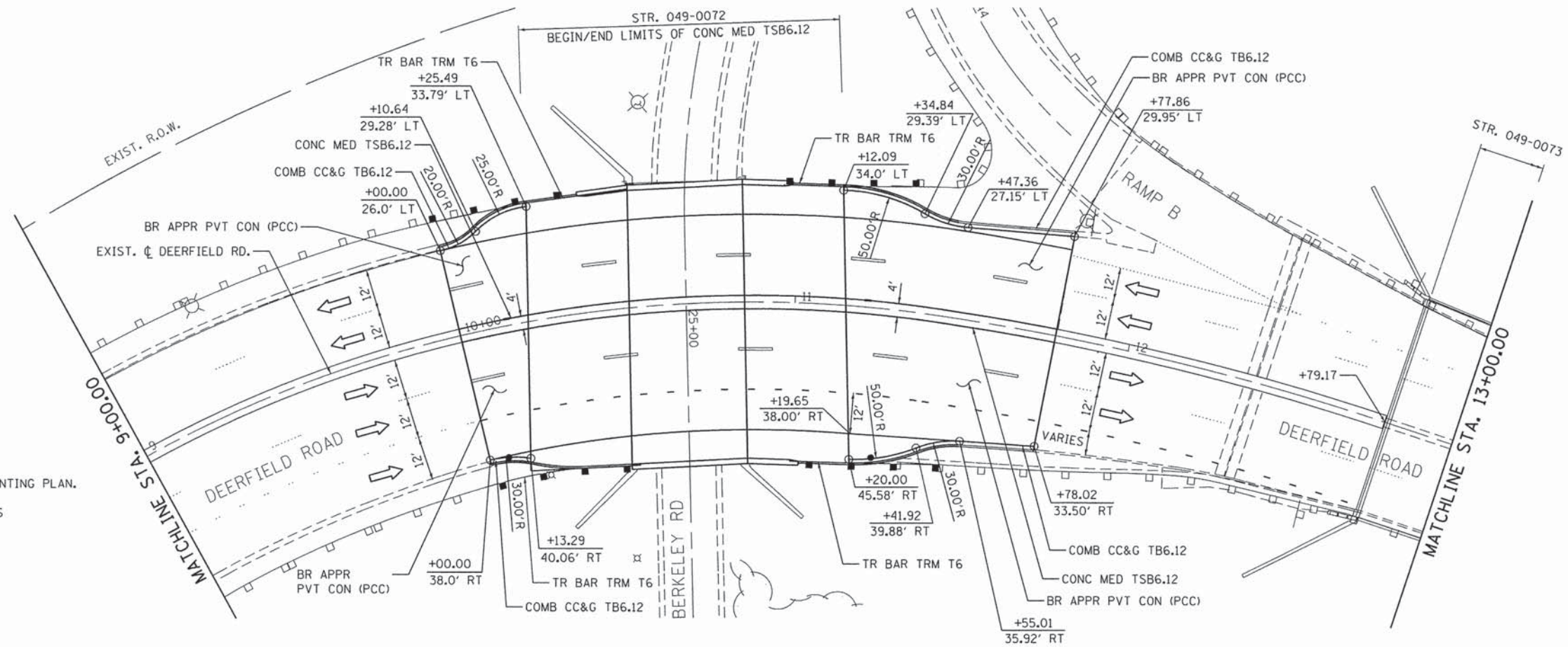
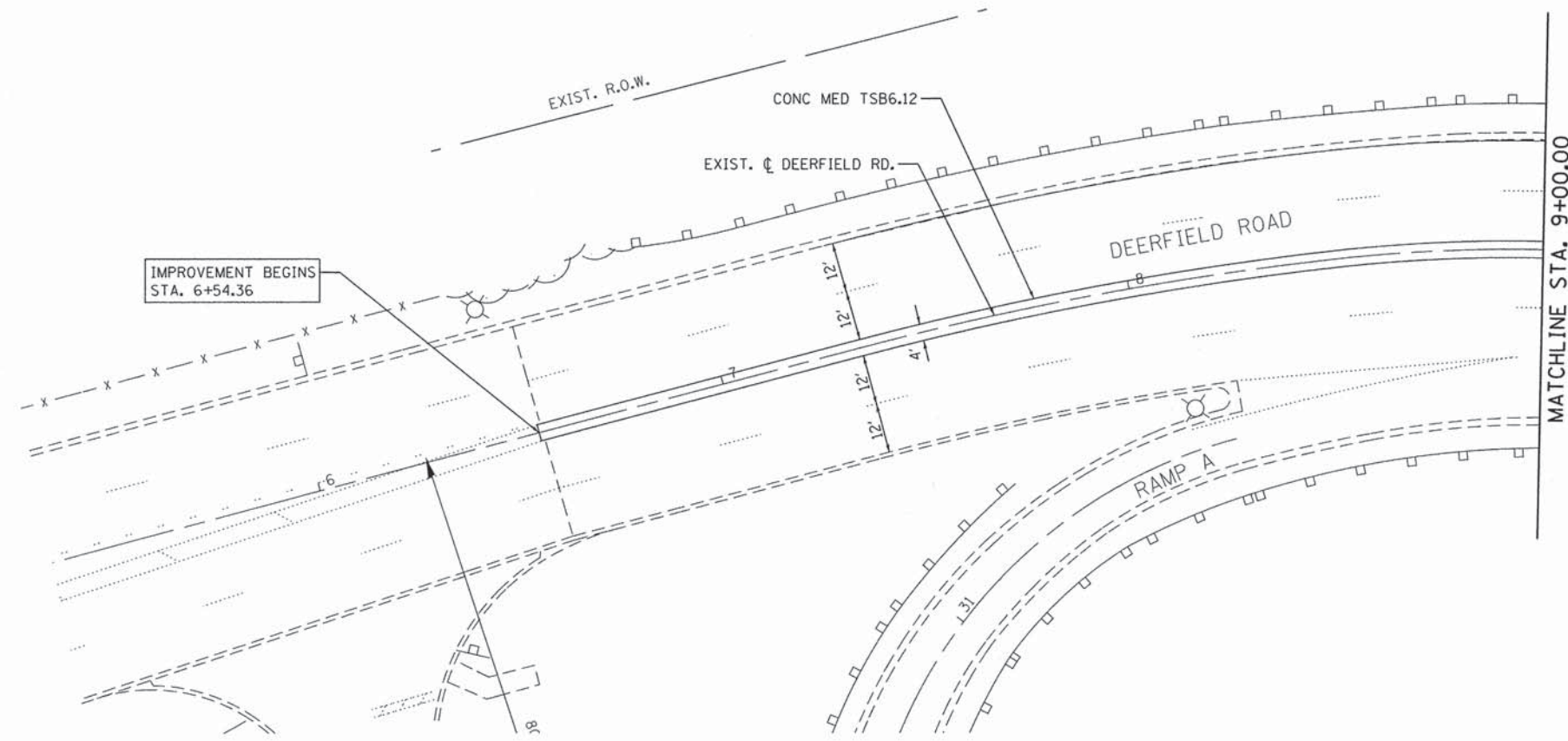
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**FAU ROUTE 1257 (DEERFIELD ROAD)  
 REMOVAL PLAN**

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	324
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT			CONTRACT NO. 63882	





**NOTES:**

1. WORK THIS SHEET WITH SHEET 68 AND 69, SUPERELEVATION DIAGRAM AND PAVEMENT JOINTING PLAN.
2. APPROACH SLAB REMOVAL TO BE PAID FOR AS PAVEMENT REMOVAL.
3. TRAFFIC BARRIER TERMINAL TO CONNECT TO EXISTING GUARDRAIL.

FILE NAME = #FILES

**COLLINS ENGINEERS**

USER NAME = rge11	DESIGNED -	REVISED -
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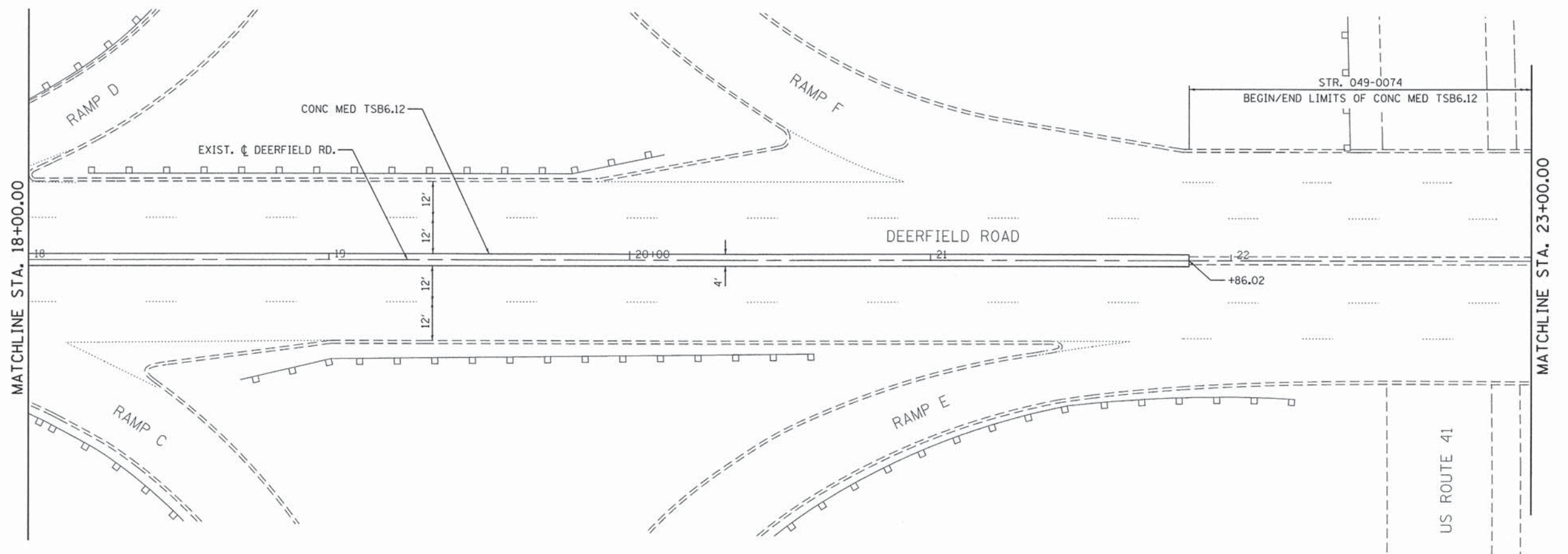
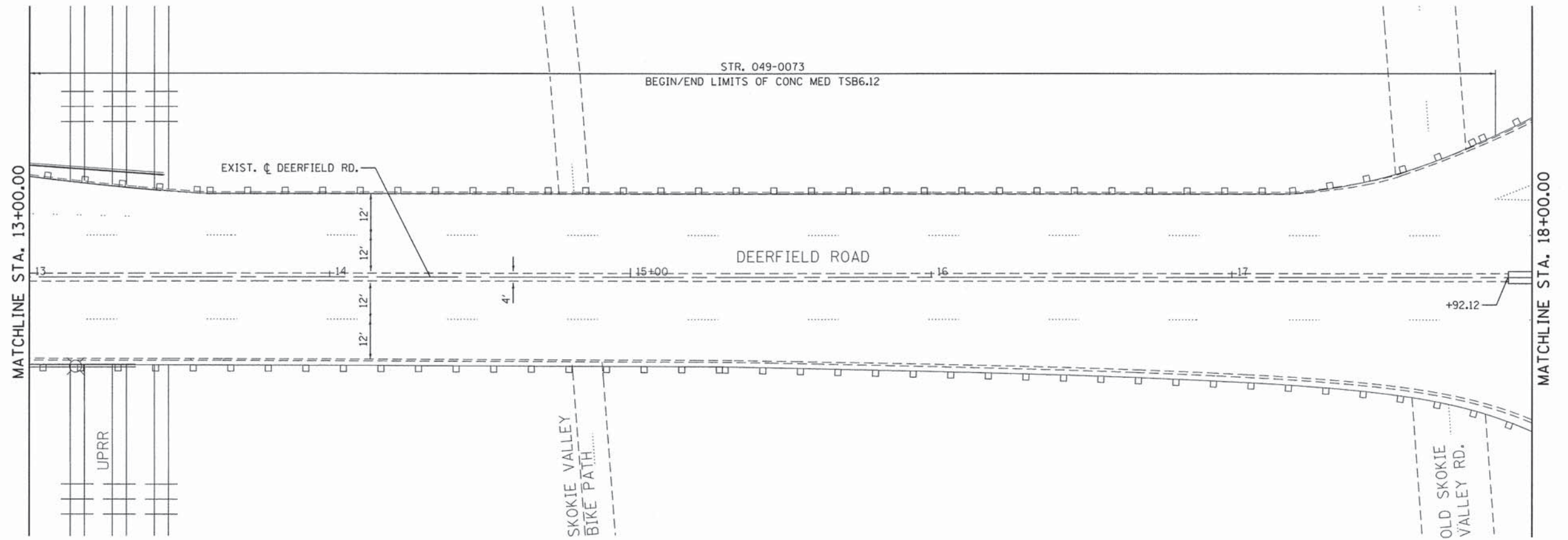
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FAU ROUTE 1257 (DEERFIELD ROAD)  
ROADWAY PLAN**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	325
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

CONTRACT NO. 63882



FILE NAME = #FILE#

**COLLINS ENGINEERS**

USER NAME = rgo11  
 PLOT SCALE = 20,0000' / 1" =  
 PLOT DATE = 9/1/2015

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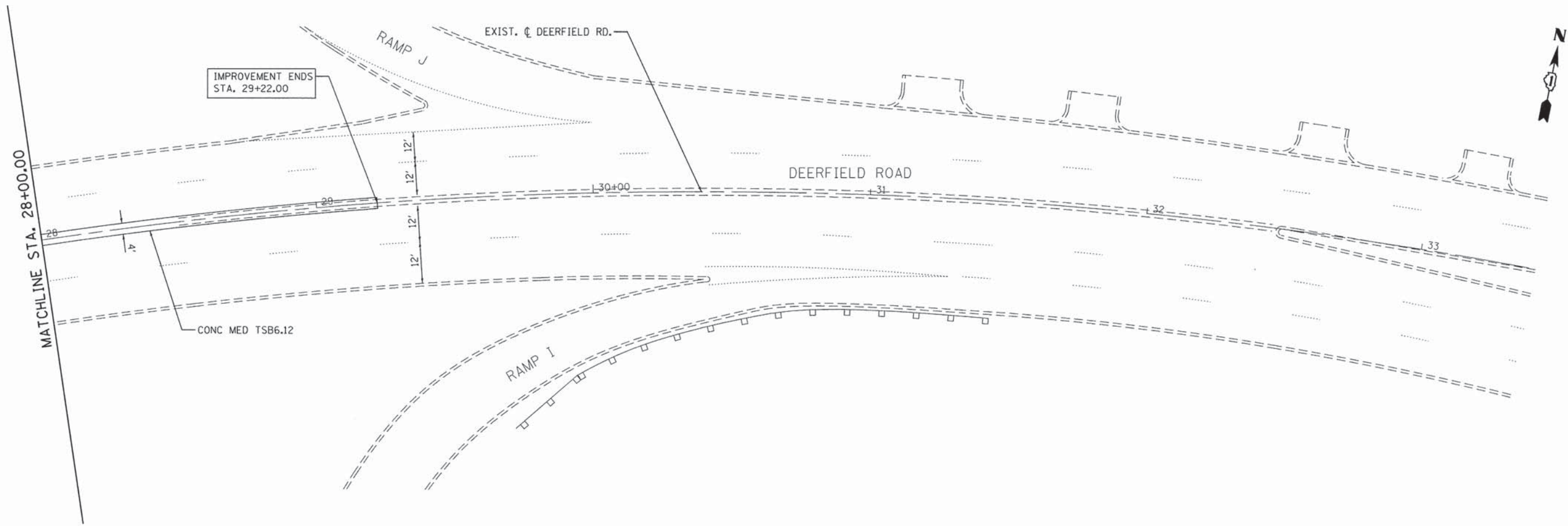
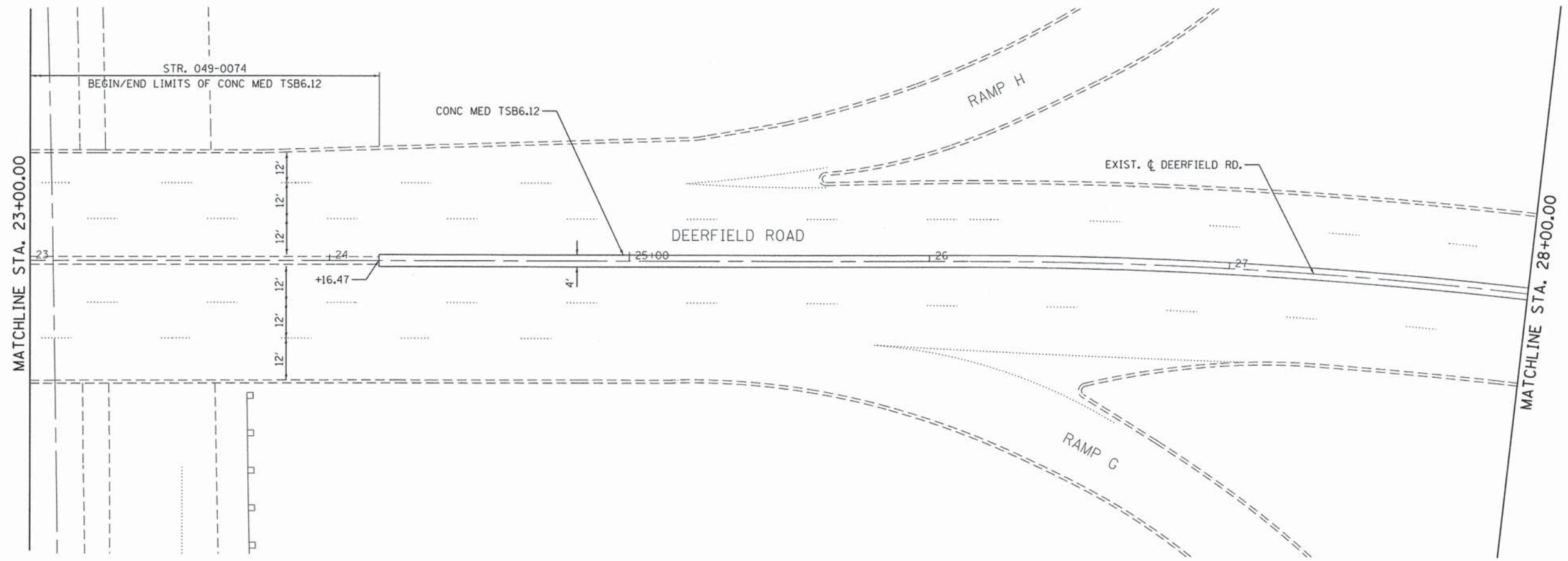
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**FAU ROUTE 1257 (DEERFIELD ROAD)  
 ROADWAY PLAN**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 326
CONTRACT NO. 63882				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



FILE NAME = #FILES\*

**COLLINS ENGINEERS INC.**

USER NAME = rgal1  
 PLOT SCALE = 20,0000' / in.  
 PLOT DATE = 9/1/2015

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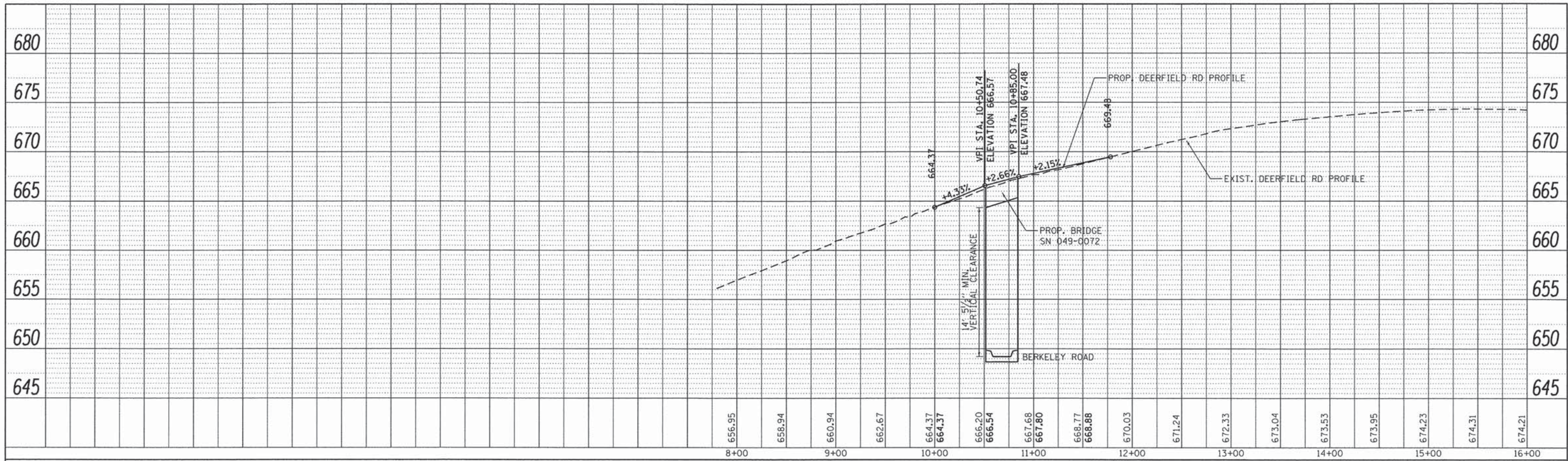
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**FAU ROUTE 1257 (DEERFIELD ROAD)  
 ROADWAY PLAN**

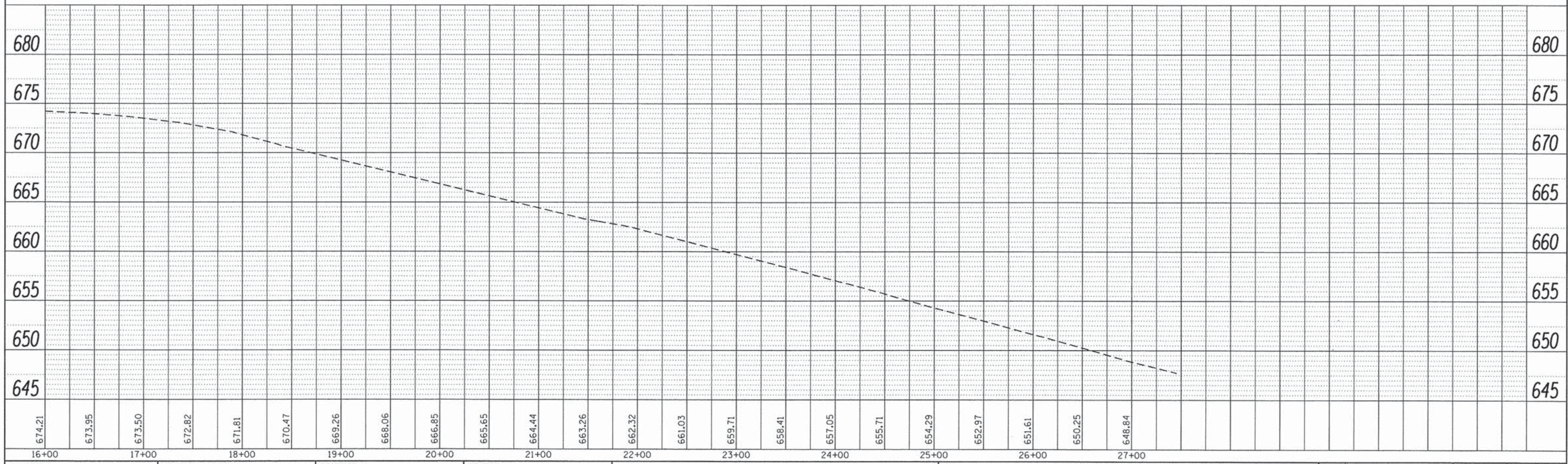
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	327
CONTRACT NO. 63882				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	ALIGNED		
	GRADES CHECKED		
	RT. OF WAY CHECKED		
	NO. _____		
	CADD FILE NAME		



PROFILE	SURVEYED	BY	DATE
	GRADES CHECKED		
	B.M. NOTED		
	STRUCTURE NOTATIONS CHECKED		
	NO. _____		



FILE NAME =	USER NAME = rgell	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>FAU ROUTE 1257 (DEERFIELD ROAD)</b> <b>PROFILE</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I:\8274 - 1007 PTB 168 - 07 Various\8274.07	- Deerfield Road Bridges\CADD\CADD.Sheets	DRAWN	REVISED		1257	11-00092-00-PV	LAKE	328	CONTRACT NO. 63882		
Default	PLOT SCALE = 50.0000' / 1" =	CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	
	PLOT DATE = 9/1/2015	DATE -	REVISED -								[ILLINOIS] FED. AID PROJECT

**MAINTENANCE OF TRAFFIC - GENERAL NOTES**

1. SEE SPECIAL PROVISIONS TITLED TRAFFIC CONTROL AND PROTECTION (SPECIAL).
2. THE CONTRACTOR SHALL REMOVE AND SAFELY STORE (FREE FROM THEFT OR DAMAGE) OR COVER ALL CONFLICTING EXISTING SIGNS FOR THE DURATION OF THE CONSTRUCTION. ALL SIGNS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT THE END OF CONSTRUCTION.
3. THE FOLLOWING APPLY TO CONSTRUCTION SIGNS:
  - A) THE CONTRACTOR SHALL FURNISH ALL SIGNS.
  - B) THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND REPLACE ANY SIGNS THAT ARE SUPPLIED BY OTHERS AND DAMAGED BY THE CONTRACTOR'S WORK FORCE OR SUBCONTRACTORS DURING RELOCATION OR CONSTRUCTION OPERATIONS.
  - C) ALL SIGNS AND ASSEMBLIES SHALL BE CERTIFIED BY THE CONTRACTOR AS MEETING THE APPLICABLE REQUIREMENTS OF NCHRP REPORT 350, TEST LEVEL 2.
  - D) ALL SIGNS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION (SPECIAL) PAY ITEM, EXCEPT FOR TEMPORARY INFORMATIONAL SIGNING AS NOTED ON THE PLANS.
4. E) THE CONTRACTOR SHALL FURNISH ANY ADDITIONAL SIGNS AND TRAFFIC CONTROL DEVICES AS NECESSARY REQUIRED BY THE ENGINEER, THE COST OF WHICH SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
5. OPENINGS THROUGH THE BARRIER FOR CONTRACTOR'S ACCESS TO THE WORK ZONE SHALL BE PROVIDED AS APPROVED BY THE ENGINEER.
6. ANY RAISED REFLECTIVE PAVEMENT MARKERS THAT CONFLICT WITH THE TEMPORARY TRAFFIC LANES MUST HAVE THE REFLECTIVE LENSES REMOVED AS DIRECTED BY THE ENGINEER.
7. ALL TEMPORARY PAVEMENT MARKINGS DURING STAGED CONSTRUCTION SHALL BE WET REFLECTIVE TAPE, TYPE III OF THE WIDTH AND COLOR SPECIFIED ON THE PLAN SHEETS.
8. MONO-DIRECTIONAL PRISMATIC BARRIER REFLECTORS WILL BE PLACED AT 25' CENTERS ON TOP AND SIDE OF TEMPORARY CONCRETE BARRIER FACING TRAFFIC.
9. NO TRAFFIC STAGES SHALL OVERLAP WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER.
10. SEE GENERAL NOTES SHEET FOR STANDARDS USED IN TRAFFIC STAGING.
11. TEMPORARY CONCRETE BARRIER SHALL BE CONTINUOUSLY PINNED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE SPECIAL PROVISION FOR TEMPORARY CONCRETE BARRIER WALL WHERE A 3.5' CLEAR ZONE FREE FROM DROP OFFS, EQUIPMENT, AND OBSTRUCTIONS CANNOT BE PROVIDED BEHIND THE WALL.
12. WHEN NECESSARY, HIGHWAY STANDARD 701421 OR 701426 SHALL BE USED FOR ALL THROUGH LANE CLOSURES ON US 41.
13. SEE STRUCTURAL SHEETS FOR TYPICAL SECTIONS FOR BRIDGE STAGE CONSTRUCTION.

**STAGING NOTES: PRESTAGE**

WORK IN THIS STAGE CONSISTS OF REMOVING THE EXISTING CONCRETE MEDIAN.  
 INSTALL TEMPORARY PAVEMENT  
 INSTALL PRESTAGE TEMPORARY PAVEMENT MARKINGS AND SIGNAGE

**STAGING NOTES: STAGE I**

WORK IN THIS STAGE CONSISTS OF CONSTRUCTING THE NORTH PORTION OF SN 049-0072 AND ROADWAY IMPROVEMENTS.  
 INSTALL STAGE I TEMPORARY PAVEMENT MARKINGS AND SIGNAGE.  
 INSTALL TEMPORARY CONCRETE BARRIER WALL AND TEMPORARY IMPACT ATTENUATOR.

**STAGING NOTES: STAGE IA**

WORK IN THIS STAGE CONSISTS OF CONSTRUCTING THE HMA APPROACH AND PCC JOINT WORK ON THE NORTH PORTION OF SN 049-0073 AND CLOSING RAMP D (SB US 41 TO WB DEERFIELD RD TO BERKELEY RD). SEE DETOUR PLAN.  
 INSTALL STAGE IA TEMPORARY PAVEMENT MARKINGS AND SIGNAGE.

**STAGING NOTES: STAGE IB**

WORK IN THIS STAGE CONSISTS OF CONSTRUCTING THE HMA APPROACH AND PCC JOINT WORK ON THE NORTH PORTION OF SN 049-0074 AND CLOSING RAMP H (NB US 41 TO WB DEERFIELD RD TO BERKELEY RD). SEE DETOUR PLAN.  
 INSTALL STAGE IB TEMPORARY PAVEMENT MARKINGS AND SIGNAGE.

**STAGING NOTES: STAGE II**

WORK IN THIS STAGE CONSISTS OF CONSTRUCTING THE SOUTH PORTION OF SN 049-0072 AND CLOSING RAMP A (BERKELEY RD TO EB DEERFIELD RD). SEE DETOUR PLAN.  
 ALL SUBSTRUCTURE WORK TO BE DONE ON SN 049-0072 IN THIS STAGE  
 INSTALL STAGE 2 TEMPORARY PAVEMENT MARKINGS AND SIGNAGE.  
 RELOCATE TEMPORARY CONCRETE BARRIER AND TEMPORARY IMPACT ATTENUATOR.

**STAGING NOTES: STAGE IIA**

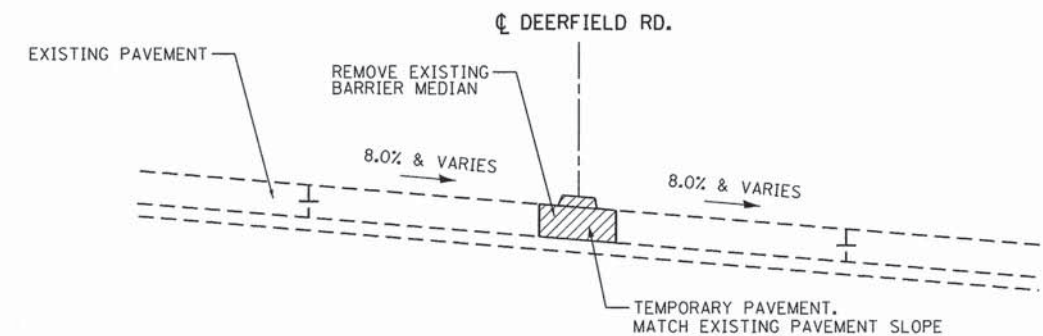
WORK IN THIS STAGE CONSISTS OF CONSTRUCTING THE HMA APPROACH AND PCC JOINT WORK ON THE SOUTH PORTION OF SN 049-0073 AND CLOSING RAMP D (SB US 41 TO WB DEERFIELD RD TO BERKELEY RD). SEE DETOUR PLAN.  
 INSTALL STAGE IIA TEMPORARY PAVEMENT MARKINGS AND SIGNAGE.

**STAGING NOTES: STAGE IIB**

WORK IN THIS STAGE CONSISTS OF CONSTRUCTING THE HMA APPROACH AND PCC JOINT WORK ON THE SOUTH PORTION OF SN 049-0074 AND CLOSING RAMP E (SB US 41 TO EB DEERFIELD RD) AND RAMP G (EB DEERFIELD RD TO NB US 41). SEE DETOUR PLAN.  
 INSTALL STAGE IIB TEMPORARY PAVEMENT MARKINGS AND SIGNAGE.

**STAGING NOTES: STAGE III**

WORK IN THIS STAGE CONSISTS OF REMOVING THE TEMPORARY PAVEMENT AND REPLACING IT WITH THE PROPOSED CONCRETE MEDIAN.  
 INSTALL STAGE III TEMPORARY PAVEMENT MARKINGS AND SIGNAGE.



**TEMPORARY PAVEMENT TYPICAL SECTION**

**PRESTAGE**

- STA. 6+54.36 TO STA. 10+30.17
- STA. 11+05.28 TO STA. 12+79.03
- STA. 17+92.12 TO STA. 21+86.02
- STA. 24+16.47 TO STA. 28+50.00

FILE NAME = #FILES

**COLLINS ENGINEERS**

USER NAME = rgal	DESIGNED -	REVISED -
PLOT SCALE = 50,0000' / 1"	DRAWN -	REVISED -
PLOT DATE = 9/1/2015	CHECKED -	REVISED -
	DATE -	REVISED -

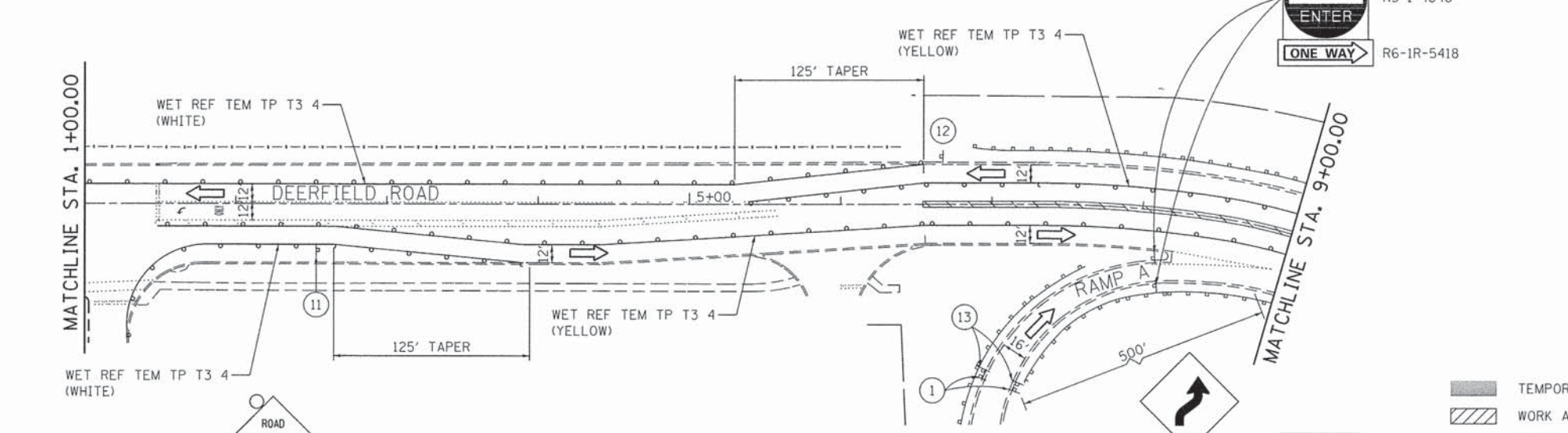
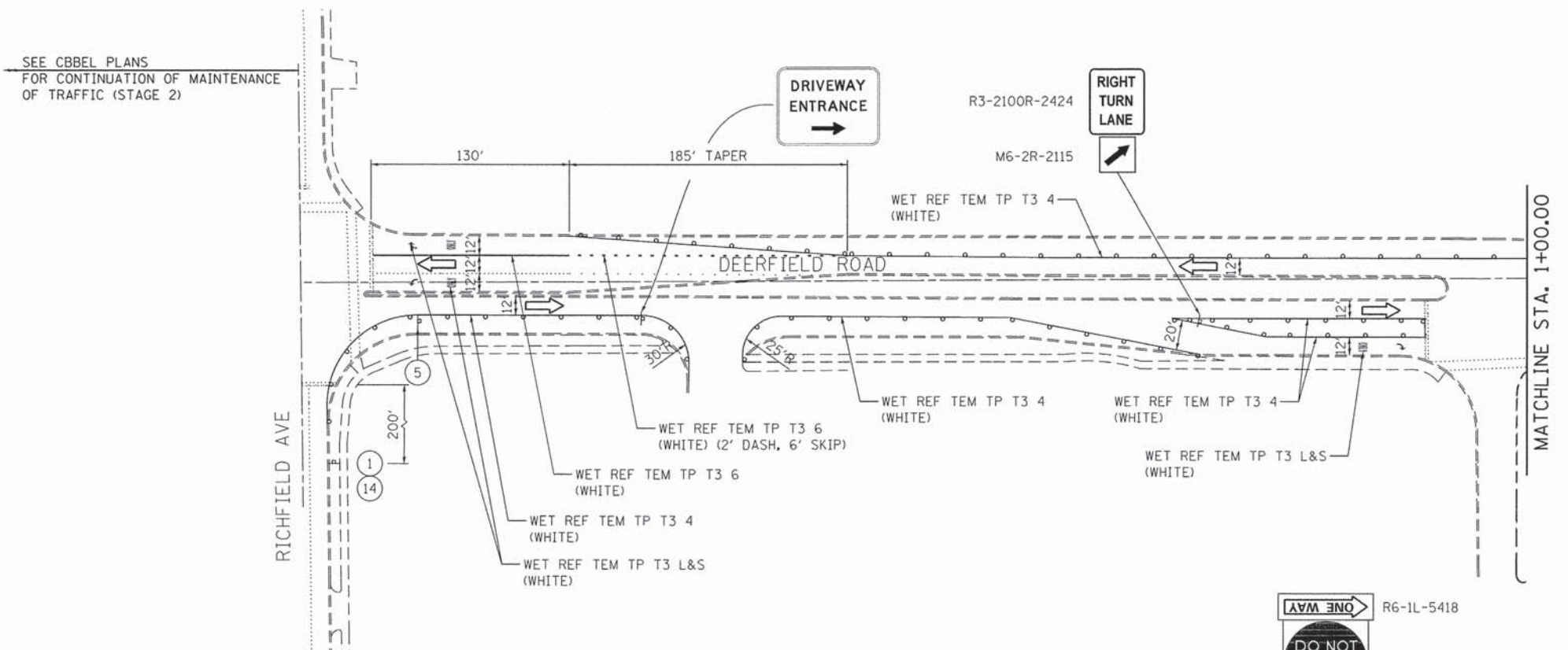
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**FAU ROUTE 1257 (DEERFIELD ROAD)  
 MAINTENANCE OF TRAFFIC - GENERAL NOTES**

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	329
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63882	

SEE CBEL PLANS  
FOR CONTINUATION OF MAINTENANCE  
OF TRAFFIC (STAGE 2)



- NOTES:
- RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED ALONG ALL TEMPORARY PAVEMENT MARKINGS IN ACCORDANCE WITH DISTRICT ONE DETAIL TC11.
  - MUST BE REMOVED WHEN FLAGGER OR WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR

Legend for signs and markers:

- 1 ROAD CONSTRUCTION AHEAD (W20-1103(O)-48)
- 2 LEFT LANE CLOSED AHEAD (W20-5L(O)-48)
- 3 WORKER WITH SHOVEL (W21-1(O)-48)
- 4 11'-0" (W12-1102(O)-48)
- 5 WORK ZONE SPEED LIMIT PHOTO ENFORCED \$375 FINE MINIMUM (W20-1103(O)-48)
- 6 END WORK ZONE SPEED LIMIT (M6-1(O)-2115)
- 7 30 MPH (W1-4R(O)-48)
- 8 30 MPH (W13-1(O)-2424)
- 9 WRONG WAY (R5-1A-3624)
- 10 30 MPH (W1-4L(O)-48)
- 11 30 MPH (W13-1(O)-2424)
- 12 30 MPH (W13-1(O)-2424)
- 13 WRONG WAY (R5-1A-3624)
- 14 M6-4-2115

- TEMPORARY PAVEMENT
- WORK AREA
- DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 50' C-C OR AS NOTED BELOW) DEVICES IN TAPER (25' C-C) DEVICES IN RADII (10' C-C)
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 2
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 20' C-C)
- TYPE III BARRICADE W/ 2 FLASHING BEACONS (NO. OF BARRICADES AS DIRECTED BY THE ENGINEER)
- PORTABLE CHANGEABLE MESSAGE SIGN

FILE NAME = #FILES#

**COLLINS ENGINEERS**

USER NAME = rgall	DESIGNED -	REVISED -
PLOT SCALE = 50,000' / 1" =	DRAWN -	REVISED -
PLOT DATE = 9/11/2015	CHECKED -	REVISED -
	DATE -	REVISED -

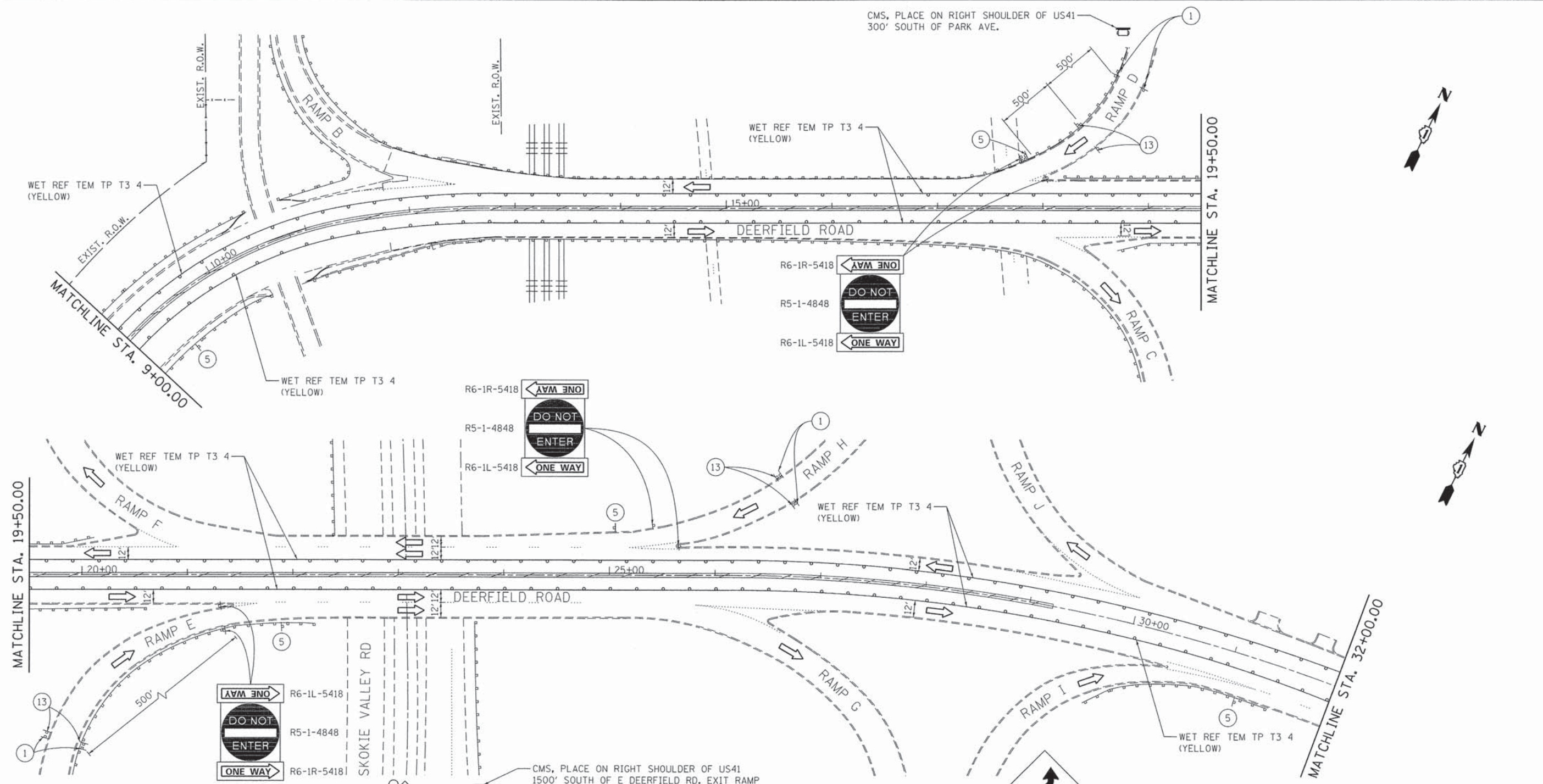
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

FAU ROUTE 1257 (DEERFIELD ROAD)  
MAINTENANCE OF TRAFFIC - PRESTAGE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	330
CONTRACT NO. 63882				
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

SCALE: SHEET NO. OF SHEETS STA. TO STA.

CMS, PLACE ON RIGHT SHOULDER OF US41  
300' SOUTH OF PARK AVE.



- NOTES:
1. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED ALONG ALL TEMPORARY PAVEMENT MARKINGS IN ACCORDANCE WITH DISTRICT ONE DETAIL TC11.
  2. MUST BE REMOVED WHEN FLAGGER OR WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR

CMS, PLACE ON RIGHT SHOULDER OF US41  
1500' SOUTH OF E DEERFIELD RD. EXIT RAMP

ROAD CONSTRUCTION AHEAD  
W20-1103(O)-48

LEFT LANE CLOSED AHEAD  
W20-5L(O)-48

WORK ZONE  
SPEED LIMIT  
35  
PHOTO ENFORCED  
\$375 FINE MINIMUM  
W20-1103(O)-48

END WORK ZONE SPEED LIMIT  
G20-1103(O)-6036

WRONG WAY  
R5-1A-3624

W1-4R(O)-48  
30 MPH  
W13-1(O)-2424  
11

W1-4L(O)-48  
30 MPH  
W13-1(O)-2424  
12

LEGEND:

- TEMPORARY PAVEMENT
- WORK AREA
- DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 50' C-C OR AS NOTED BELOW) DEVICES IN TAPER (25' C-C) DEVICES IN RADII (10' C-C)
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 2
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 20' C-C)
- TYPE III BARRICADE W/ 2 FLASHING BEACONS (NO. OF BARRICADES AS DIRECTED BY THE ENGINEER)
- PORTABLE CHANGEABLE MESSAGE SIGN

FILE NAME = #FILES

**COLLINS ENGINEERS**

USER NAME = rga11	DESIGNED -	REVISED -
PLOT SCALE = 50,000' / 1" =	DRAWN -	REVISED -
PLOT DATE = 9/1/2015	CHECKED -	REVISED -
	DATE -	REVISED -

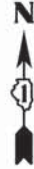
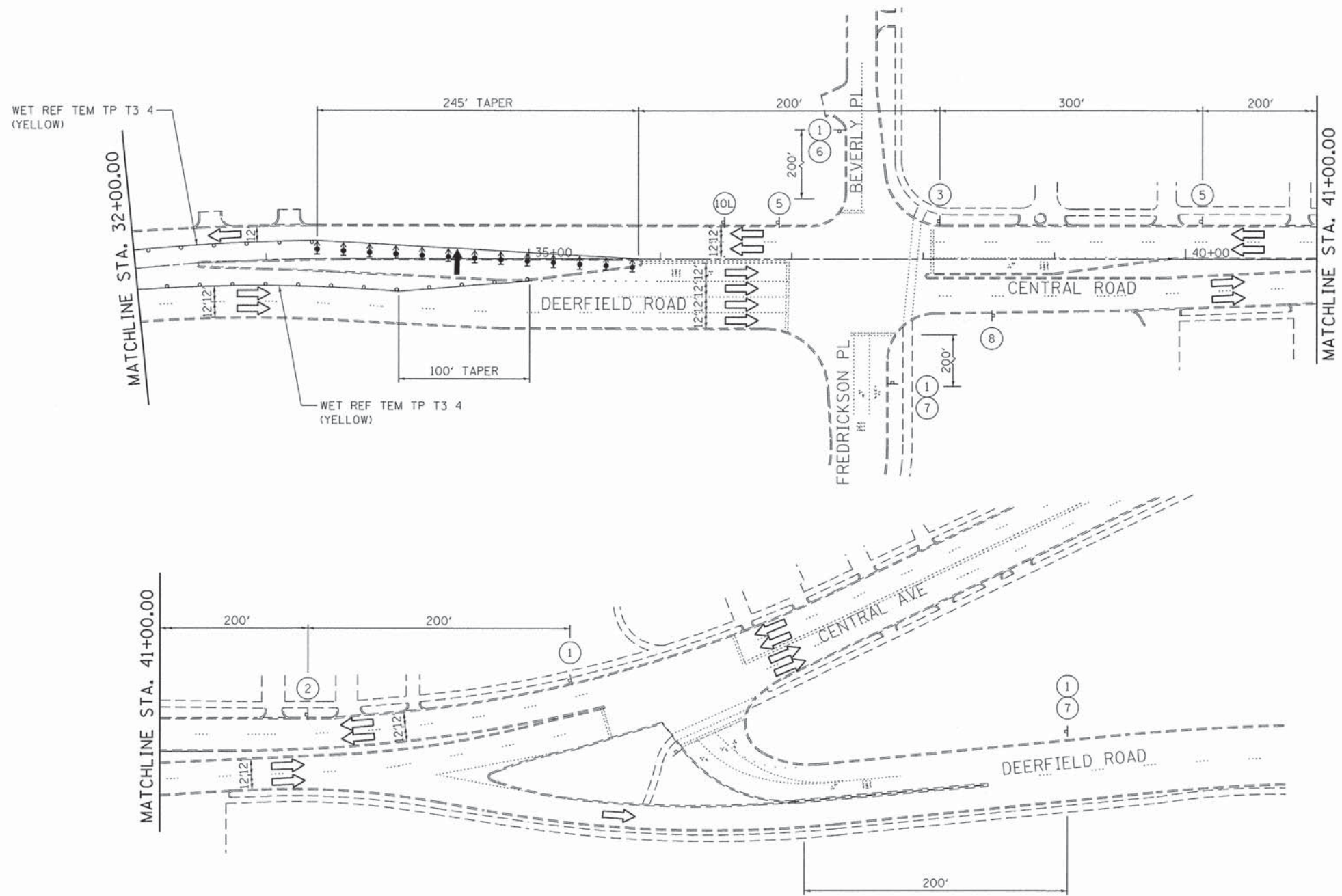
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FAU ROUTE 1257 (DEERFIELD ROAD)  
MAINTENANCE OF TRAFFIC - PRESTAGE**

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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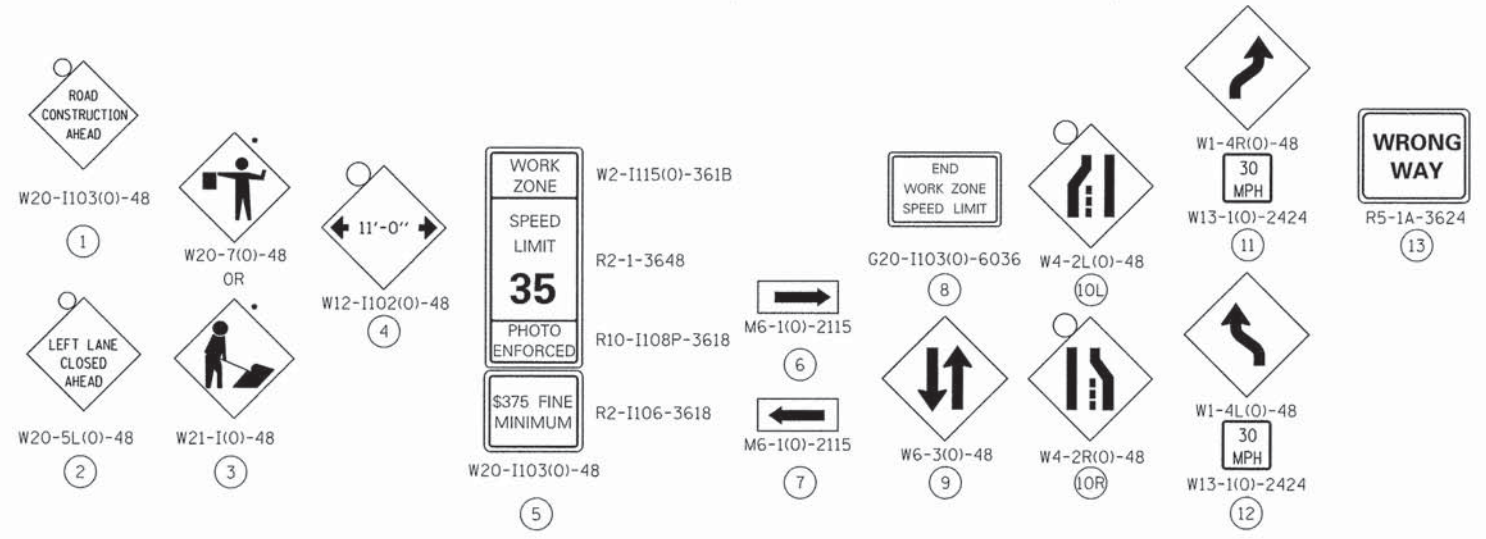
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	331
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

CONTRACT NO. 63882



- TEMPORARY PAVEMENT
- WORK AREA
- DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 50' C-C OR AS NOTED BELOW) DEVICES IN TAPER (25' C-C) DEVICES IN RADII (10' C-C)
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 2
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 20' C-C)
- TYPE III BARRICADE W/ 2 FLASHING BEACONS (NO. OF BARRICADES AS DIRECTED BY THE ENGINEER)
- PORTABLE CHANGEABLE MESSAGE SIGN

- NOTES:
- RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED ALONG ALL TEMPORARY PAVEMENT MARKINGS IN ACCORDANCE WITH DISTRICT ONE DETAIL TC11.
  - MUST BE REMOVED WHEN FLAGGER OR WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR



FILE NAME = #FILES#

**COLLINS ENGINEERS**

USER NAME = rga11	DESIGNED -	REVISED -
PLOT SCALE = 50,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 9/1/2015	CHECKED -	REVISED -
	DATE -	REVISED -

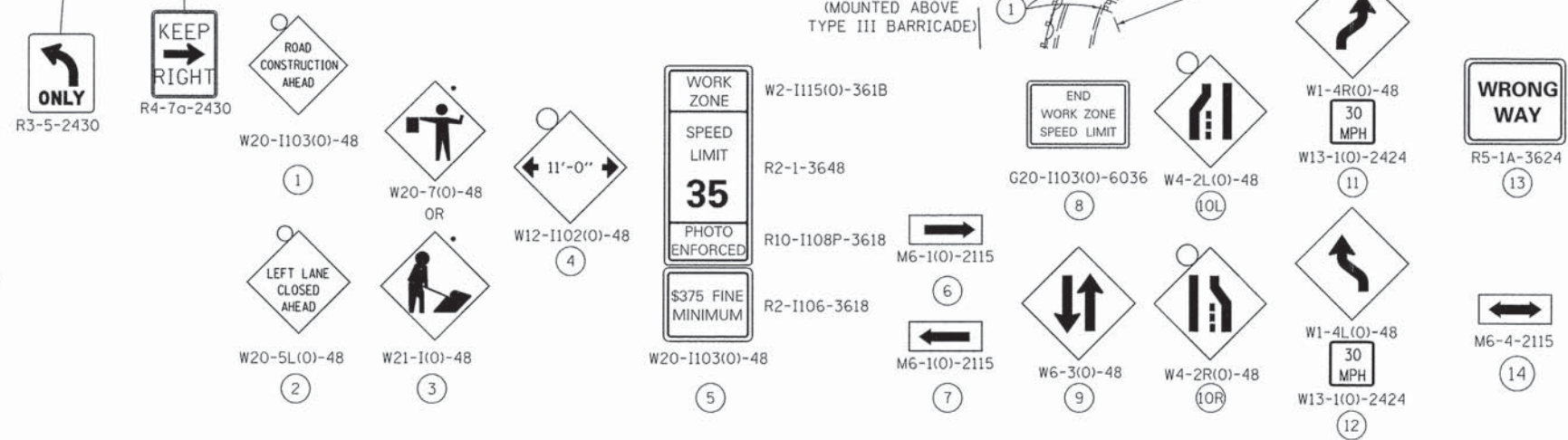
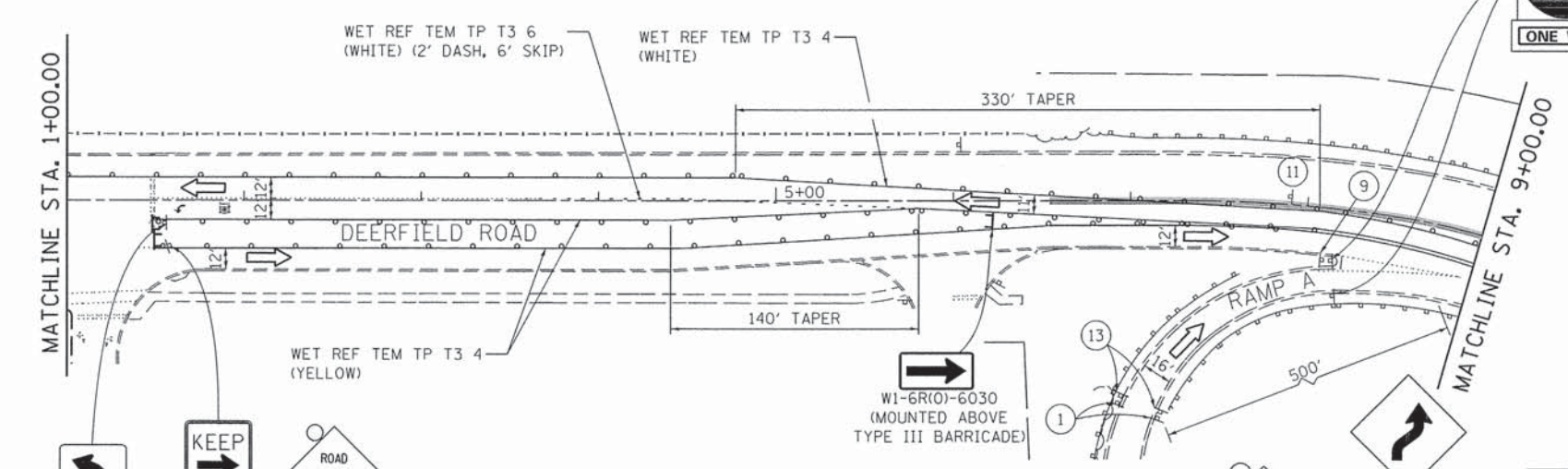
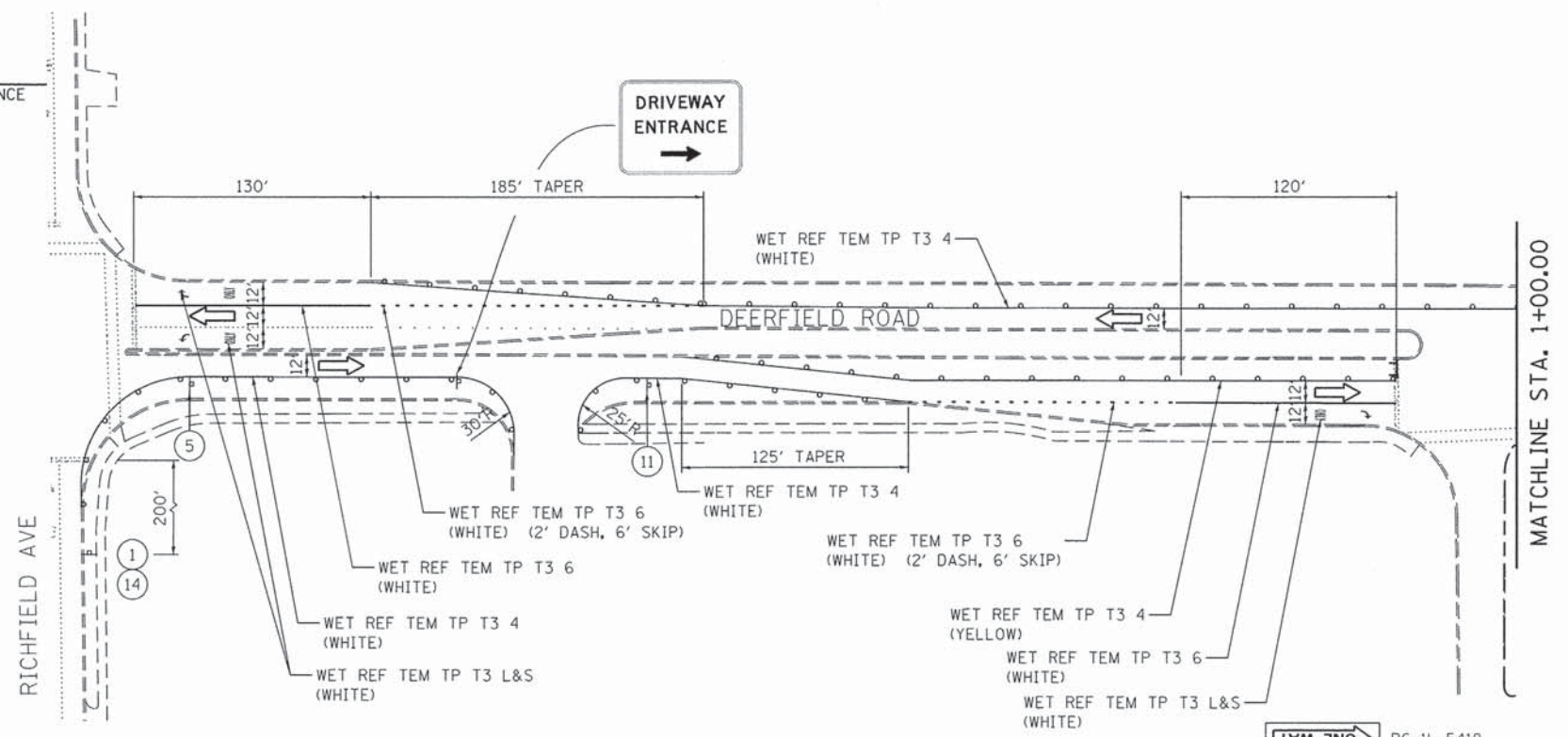
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>FAU ROUTE 1257 (DEERFIELD ROAD) MAINTENANCE OF TRAFFIC - PRESTAGE</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	332
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				CONTRACT NO. 63882



SEE CBBEL PLANS  
FOR CONTINUATION OF MAINTENANCE  
OF TRAFFIC (STAGE 2)



- TEMPORARY PAVEMENT
- WORK AREA
- DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 50' C-C OR AS NOTED BELOW)
- DEVICES IN TAPER (25' C-C)
- DEVICES IN RADII (10' C-C)
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 2
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 20' C-C)
- TYPE III BARRICADE W/ 2 FLASHING BEACONS (NO. OF BARRICADES AS DIRECTED BY THE ENGINEER)
- PORTABLE CHANGEABLE MESSAGE SIGN

NOTES:  
1. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PROVIDED ALONG ALL TEMPORARY PAVEMENT MARKINGS IN ACCORDANCE WITH DISTRICT ONE DETAIL TC11.  
• MUST BE REMOVED WHEN FLAGGER OR WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR

FILE NAME = #FILES

**COLLINS ENGINEERS**

USER NAME = rgo11	DESIGNED -	REVISED -
PLOT SCALE = 50.0000' / 1"	DRAWN -	REVISED -
PLOT DATE = 9/1/2015	CHECKED -	REVISED -
	DATE -	REVISED -

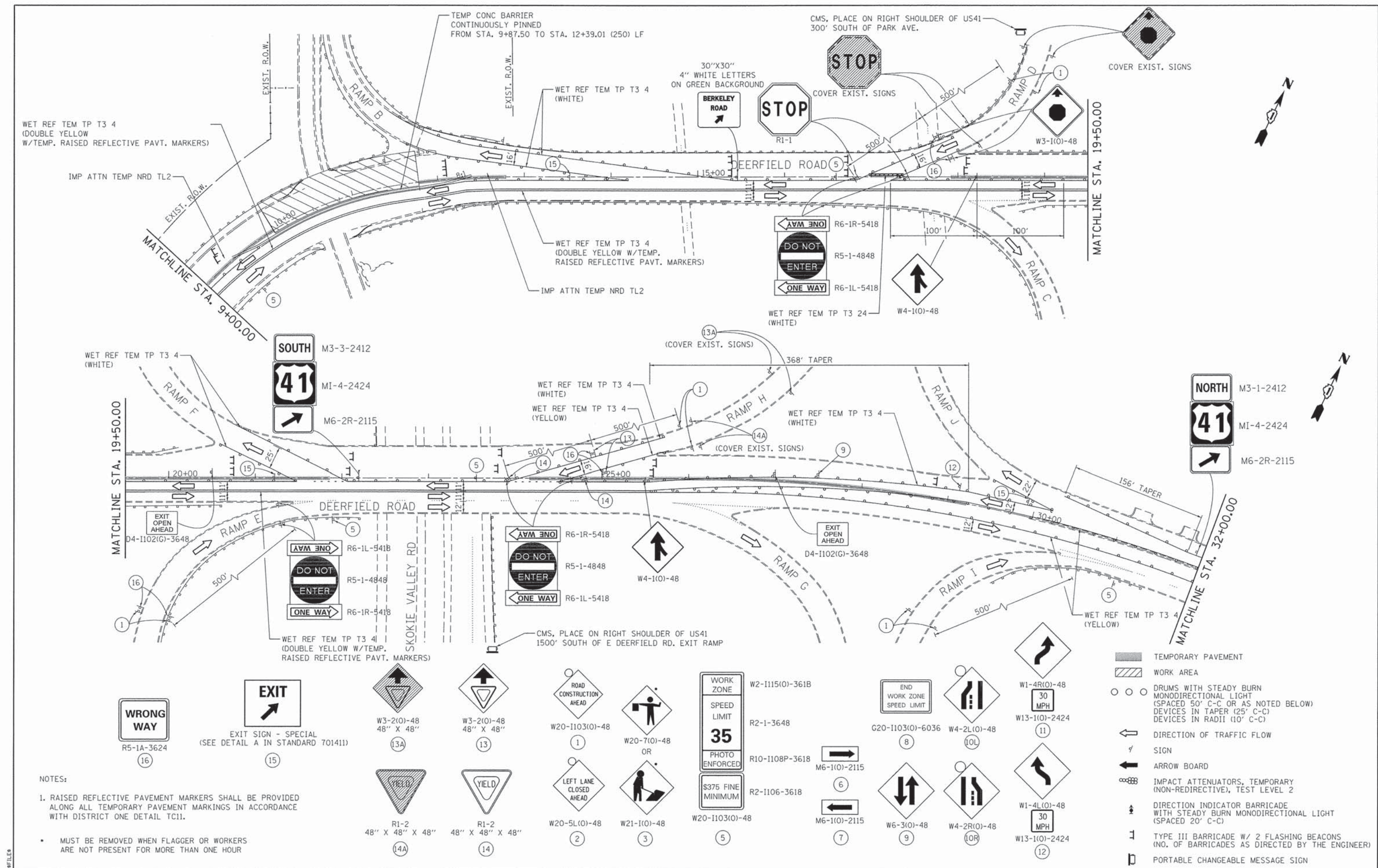
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

FAU ROUTE 1257 (DEERFIELD ROAD)  
MAINTENANCE OF TRAFFIC - STAGE I

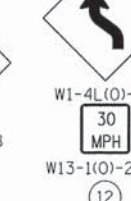
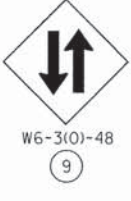
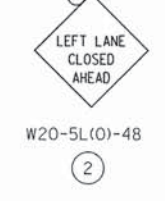
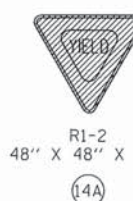
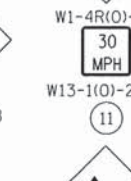
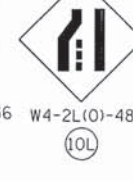
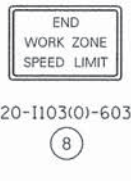
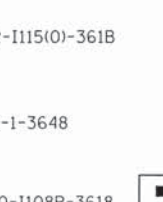
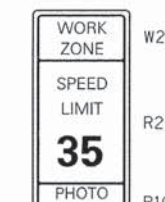
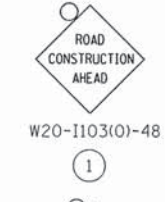
SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	333
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

CONTRACT NO. 63882



- NOTES:**
- 1. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PROVIDED ALONG ALL TEMPORARY PAVEMENT MARKINGS IN ACCORDANCE WITH DISTRICT ONE DETAIL TC11.
  - MUST BE REMOVED WHEN FLAGGER OR WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR



**COLLINS ENGINEERS**

USER NAME = rgo11  
 PLOT SCALE = 50,0000' / 1" =  
 PLOT DATE = 9/1/2015

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

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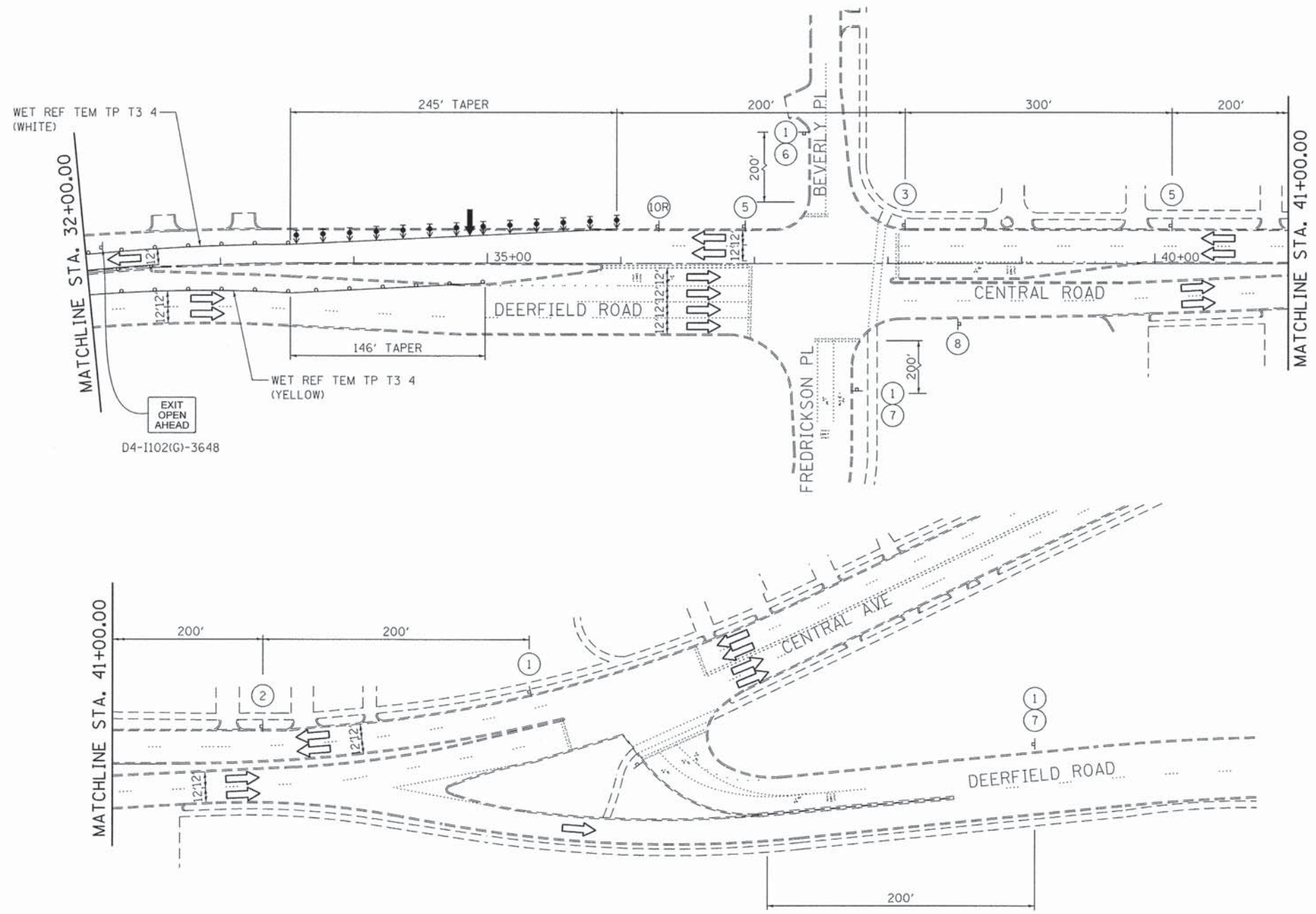
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**FAU ROUTE 1257 (DEERFIELD ROAD)  
 MAINTENANCE OF TRAFFIC - STAGE I**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

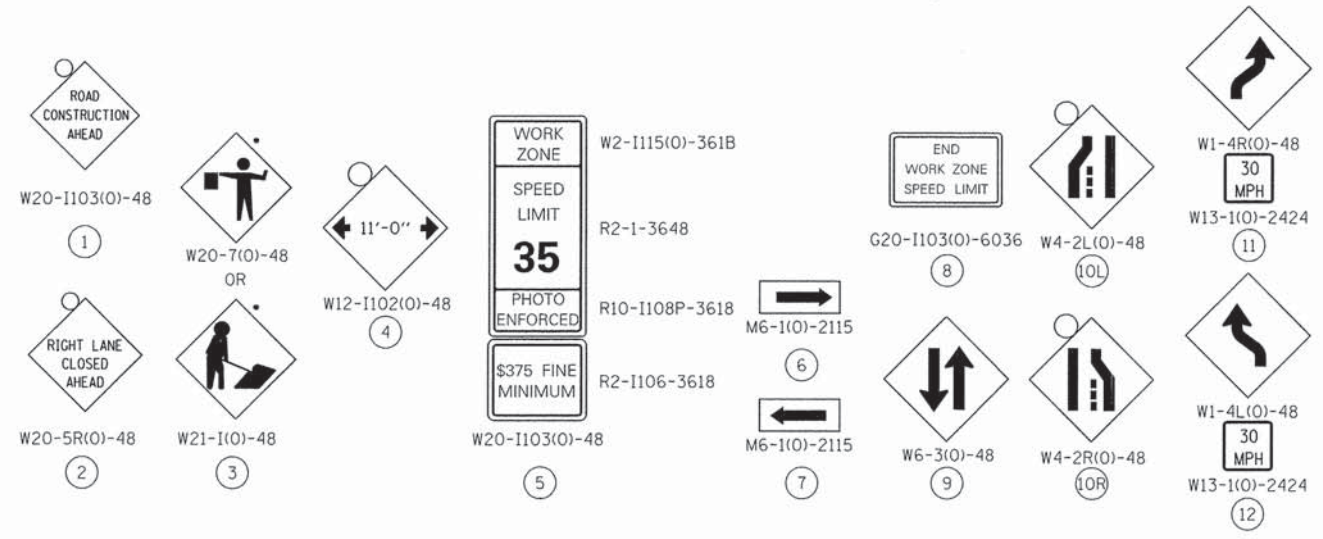
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	334
CONTRACT NO. 63882				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FILE NAME = #FILES



**NOTES:**

1. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PROVIDED ALONG ALL TEMPORARY PAVEMENT MARKINGS IN ACCORDANCE WITH DISTRICT ONE DETAIL TC11.
- MUST BE REMOVED WHEN FLAGGER OR WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR



- TEMPORARY PAVEMENT
- WORK AREA
- DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 50' C-C OR AS NOTED BELOW) DEVICES IN TAPER (25' C-C) DEVICES IN RADII (10' C-C)
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 2
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 20' C-C)
- TYPE III BARRICADE W/ 2 FLASHING BEACONS (NO. OF BARRICADES AS DIRECTED BY THE ENGINEER)
- PORTABLE CHANGEABLE MESSAGE SIGN

FILE NAME = #FILES#

**COLLINS ENGINEERS**

USER NAME = rgal1  
 PLOT SCALE = 50,0000 1/ in.  
 PLOT DATE = 9/1/2015

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

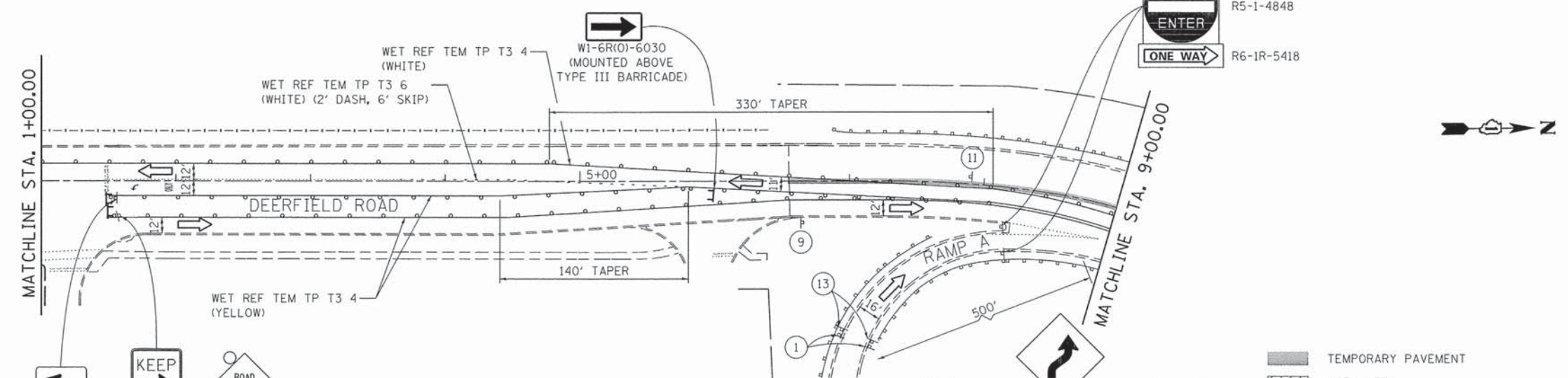
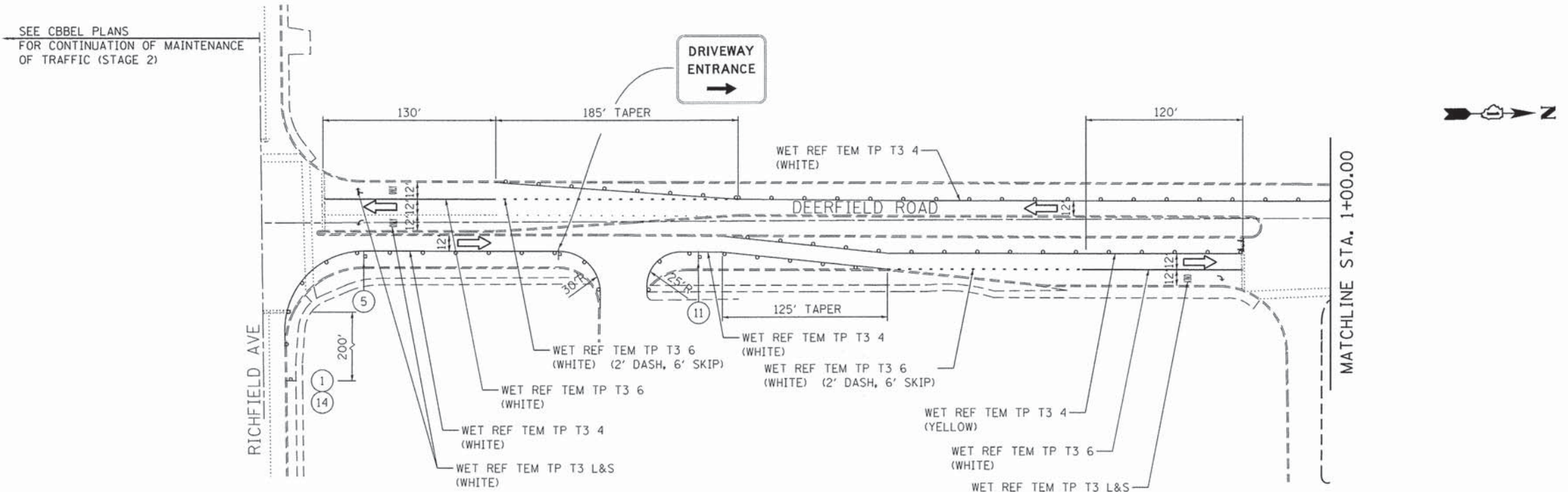
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**FAU ROUTE 1257 (DEERFIELD ROAD)  
 MAINTENANCE OF TRAFFIC - STAGE I**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	335
CONTRACT NO. 63882				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**LEGEND**

- TEMPORARY PAVEMENT
- WORK AREA
- DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 50' C-C OR AS NOTED BELOW)
- DEVICES IN TAPER (25' C-C)
- DEVICES IN RADII (10' C-C)
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 2
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 20' C-C)
- TYPE III BARRICADE W/ 2 FLASHING BEACONS (NO. OF BARRICADES AS DIRECTED BY THE ENGINEER)
- PORTABLE CHANGEABLE MESSAGE SIGN

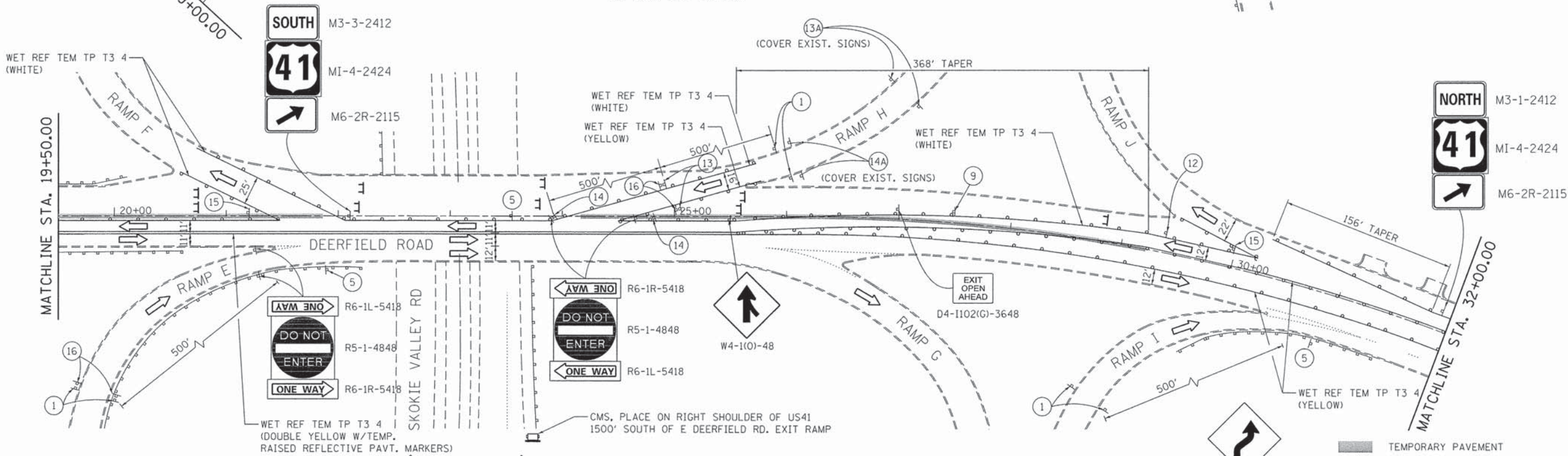
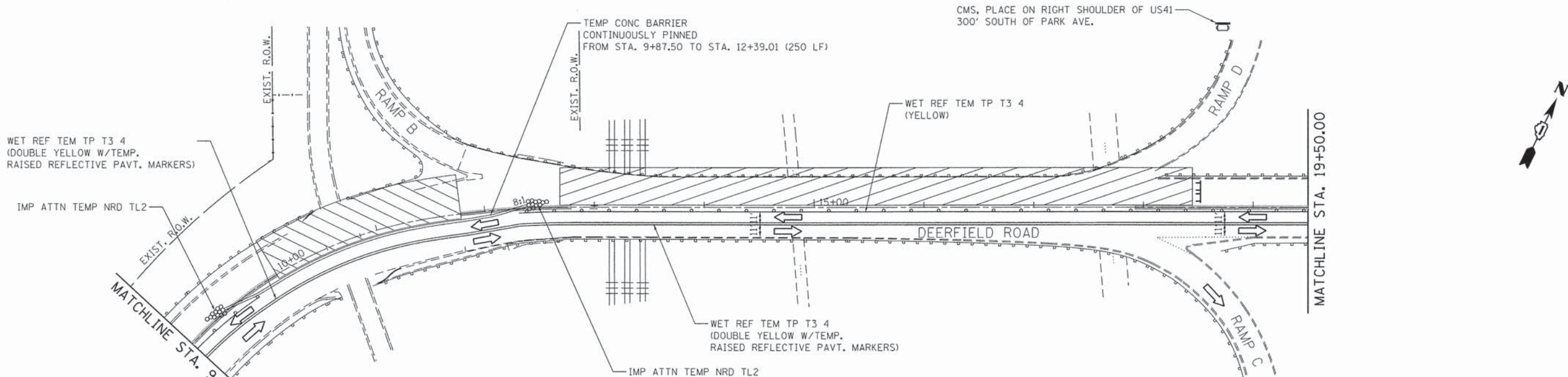
**TRAFFIC CONTROL DEVICES**

- R3-5-2430 ONLY
- R4-7a-2430 KEEP RIGHT
- W20-1103(O)-48 ROAD CONSTRUCTION AHEAD
- W20-7(O)-48
- OR
- W20-5L(O)-48 LEFT LANE CLOSED AHEAD
- W21-1(O)-48
- W20-1103(O)-48 WORK ZONE
- R2-1-3648 SPEED LIMIT 35
- R10-1108P-3618 PHOTO ENFORCED
- R2-1106-3618 \$375 FINE MINIMUM
- M6-1(O)-2115 END WORK ZONE SPEED LIMIT
- G20-1103(O)-6036
- W4-2L(O)-48
- W1-4R(O)-48 30 MPH
- W13-1(O)-2424
- R5-1A-3624 WRONG WAY
- W1-4L(O)-48 30 MPH
- W13-1(O)-2424
- M6-4-2115

**NOTES:**

1. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PROVIDED ALONG ALL TEMPORARY PAVEMENT MARKINGS IN ACCORDANCE WITH DISTRICT ONE DETAIL TC11.
2. SEE SHEET DETOUR PLANS FOR RAMP B AND RAMP D DETOUR.

• MUST BE REMOVED WHEN FLAGGER OR WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR



**LEGEND**

- TEMPORARY PAVEMENT
- WORK AREA
- DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 50' C-C OR AS NOTED BELOW) DEVICES IN TAPER (25' C-C) DEVICES IN RADII (10' C-C)
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 2
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 20' C-C)
- TYPE III BARRICADE W/ 2 FLASHING BEACONS (NO. OF BARRICADES AS DIRECTED BY THE ENGINEER)
- PORTABLE CHANGEABLE MESSAGE SIGN

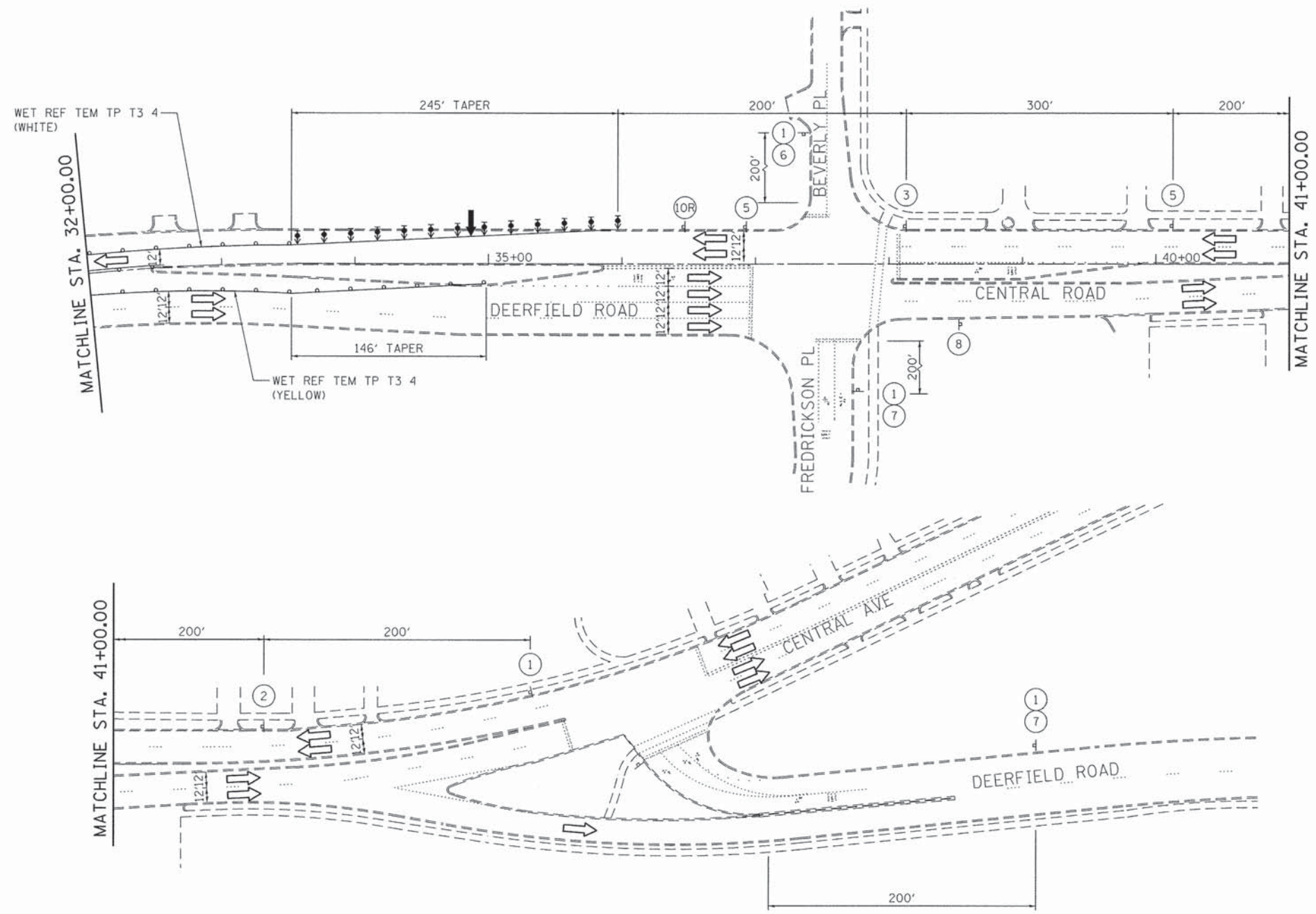
**TRAFFIC SIGNS AND MARKINGS:**

- 16: WRONG WAY (R5-1A-3624)
- 15: EXIT SIGN - SPECIAL (SEE DETAIL A IN STANDARD 701411)
- 13A, 13: W3-2(O)-48 48" X 48"
- 14A, 14: R1-2 48" X 48" X 48"
- 1: ROAD CONSTRUCTION AHEAD (W20-1103(O)-48)
- 2: LEFT LANE CLOSED AHEAD (W20-5L(O)-48)
- 3: WORKER (W21-1(O)-48)
- 5: WORK ZONE SPEED LIMIT 35 (W20-1103(O)-48)
- 6: PHOTO ENFORCED (M6-1(O)-2115)
- 7: M6-1(O)-2115
- 8: END WORK ZONE SPEED LIMIT (G20-1103(O)-6036)
- 9: W6-3(O)-48
- 10L, 10R: W4-2L(O)-48, W4-2R(O)-48
- 11: W13-1(O)-2424
- 12: W1-4L(O)-48 30 MPH, W13-1(O)-2424

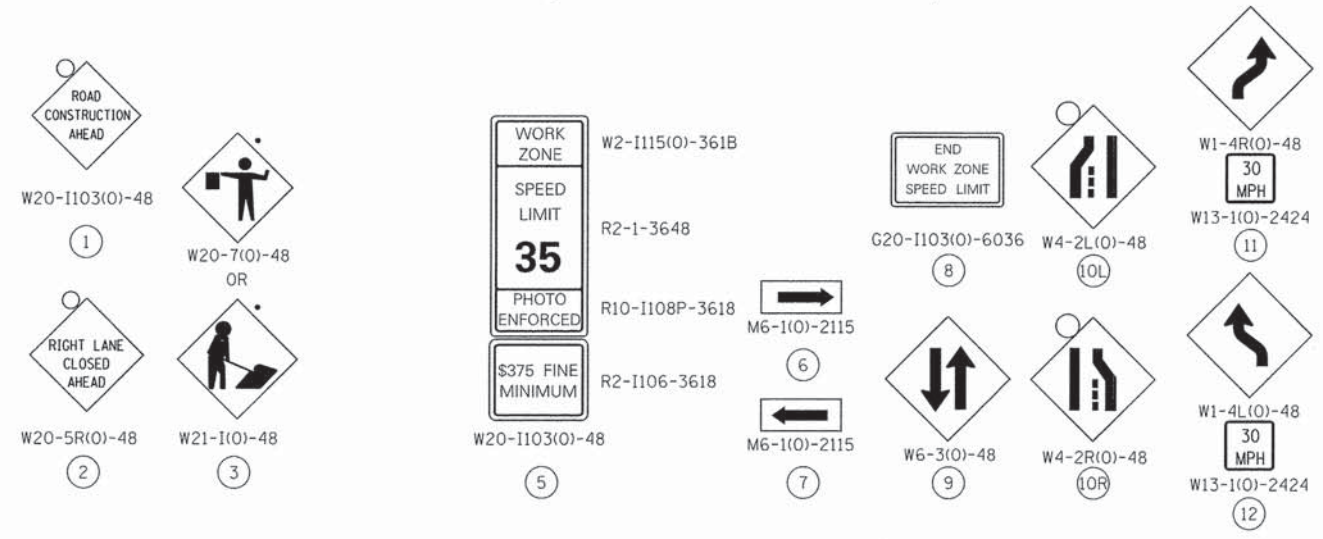
**NOTES:**

- RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PROVIDED ALONG ALL TEMPORARY PAVEMENT MARKINGS IN ACCORDANCE WITH DISTRICT ONE DETAIL TC11.
- SEE SHEET DETOUR PLANS FOR RAMP B AND RAMP D DETOUR.

\* MUST BE REMOVED WHEN FLAGGER OR WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR



- NOTES:
1. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PROVIDED ALONG ALL TEMPORARY PAVEMENT MARKINGS IN ACCORDANCE WITH DISTRICT ONE DETAIL TC11.
  2. SEE SHEET DETOUR PLANS FOR RAMP B AND RAMP D DETOUR.
- MUST BE REMOVED WHEN FLAGGER OR WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR



- TEMPORARY PAVEMENT
- WORK AREA
- DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 50' C-C OR AS NOTED BELOW) DEVICES IN TAPER (25' C-C) DEVICES IN RADII (10' C-C)
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 2
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 20' C-C)
- TYPE III BARRICADE W/ 2 FLASHING BEACONS (NO. OF BARRICADES AS DIRECTED BY THE ENGINEER)
- PORTABLE CHANGEABLE MESSAGE SIGN

FILE NAME = #FILE#

**COLLINS ENGINEERS**

USER NAME = rgo11	DESIGNED -	REVISED -
PLOT SCALE = 50,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 9/1/2015	CHECKED -	REVISED -
	DATE -	REVISED -

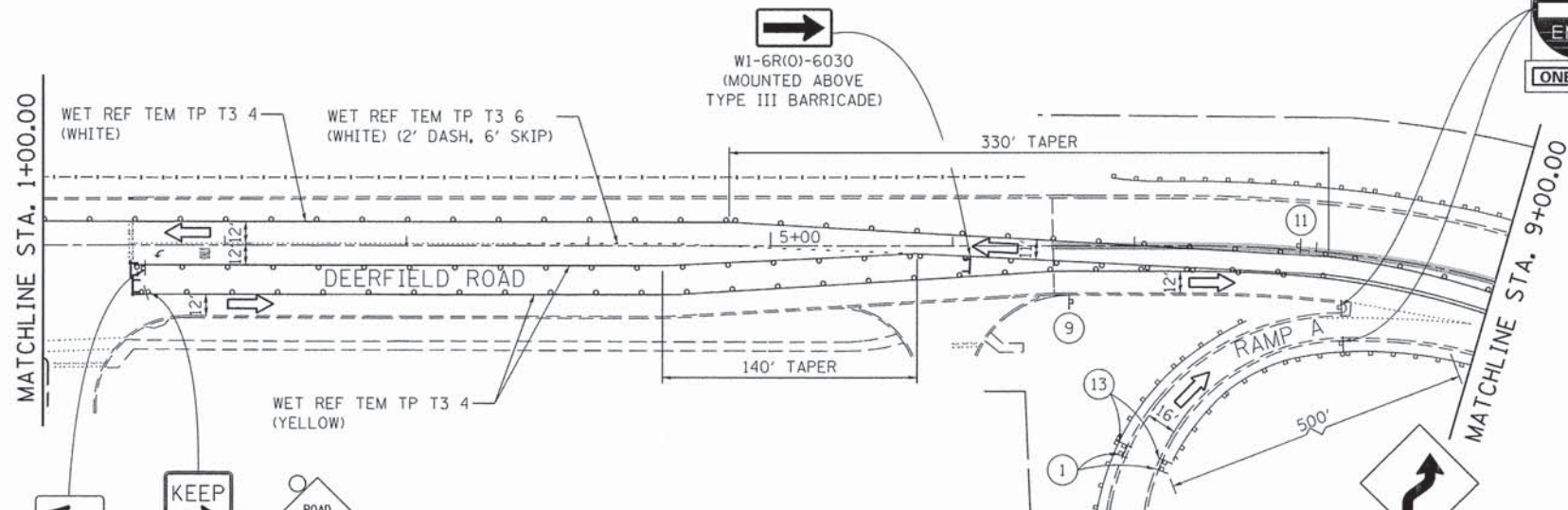
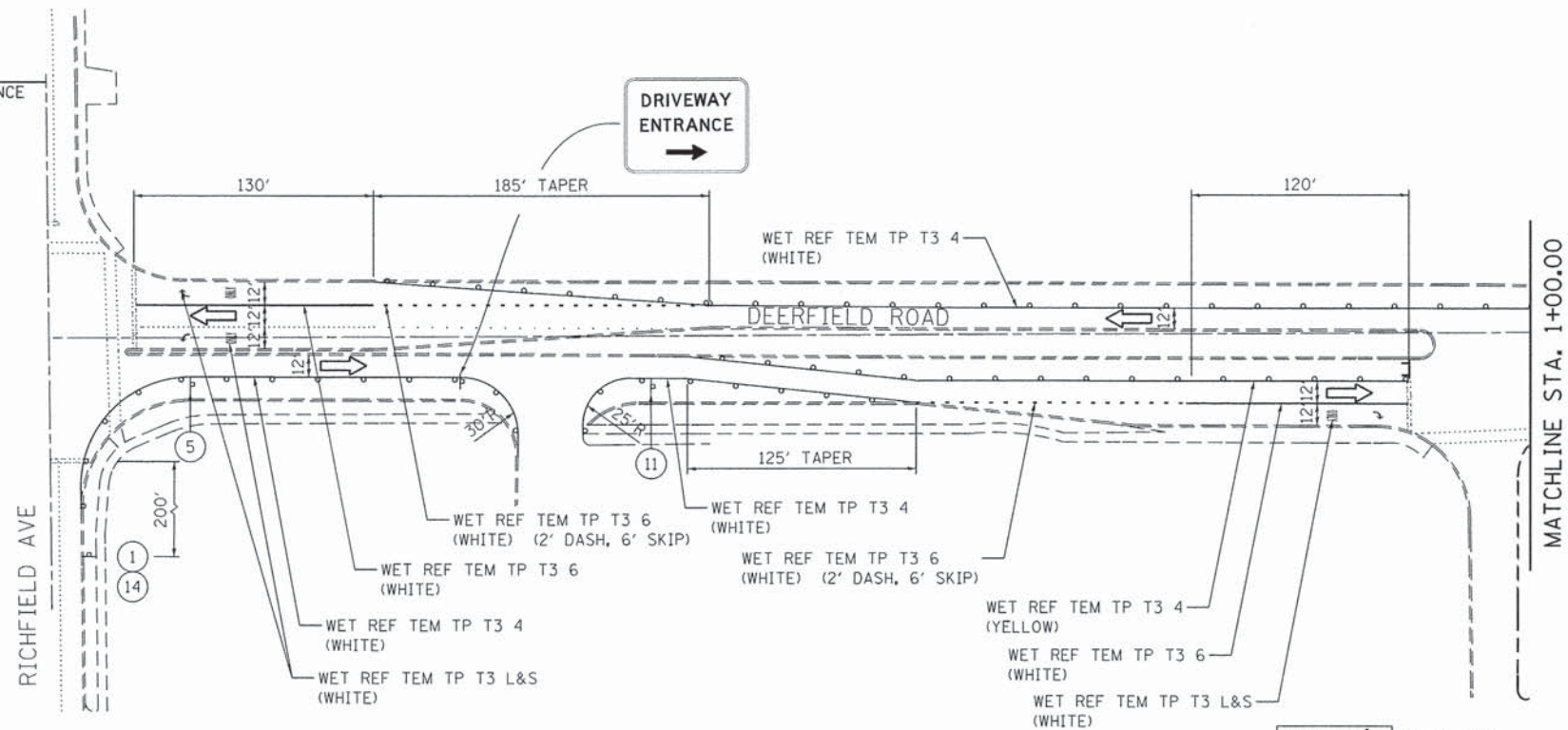
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FAU ROUTE 1257 (DEERFIELD ROAD)  
MAINTENANCE OF TRAFFIC  
STAGE I - SUBSTAGE A**

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
--------	-----------	-----------	------	---------

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	338
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63882	

SEE CBBEL PLANS  
FOR CONTINUATION OF MAINTENANCE  
OF TRAFFIC (STAGE 2)



**LEGEND**

- TEMPORARY PAVEMENT
- WORK AREA
- DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 50' C-C OR AS NOTED BELOW)
- DEVICES IN TAPER (25' C-C)
- DEVICES IN RADII (10' C-C)
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 2
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 20' C-C)
- TYPE III BARRICADE W/ 2 FLASHING BEACONS (NO. OF BARRICADES AS DIRECTED BY THE ENGINEER)
- PORTABLE CHANGEABLE MESSAGE SIGN

**NOTES:**

- RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED ALONG ALL TEMPORARY PAVEMENT MARKINGS IN ACCORDANCE WITH DISTRICT ONE DETAIL TC11.
- SEE DETOUR PLANS FOR RAMP H AND RAMP F DETOUR

MUST BE REMOVED WHEN FLAGGER OR WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR

**TRAFFIC CONTROL DEVICES:**

- 1: ROAD CONSTRUCTION AHEAD
- 2: LEFT LANE CLOSED AHEAD
- 3: W20-7(0)-48 OR W21-1(0)-48
- 4: KEEP RIGHT
- 5: WORK ZONE
- 6: PHOTO ENFORCED
- 7: \$375 FINE MINIMUM
- 8: END WORK ZONE SPEED LIMIT
- 9: SPEED LIMIT 35
- 10: ROAD NARROWING
- 11: ROAD NARROWING AHEAD
- 12: ROAD NARROWING AHEAD
- 13: WRONG WAY
- 14: ONE WAY
- 15: DO NOT ENTER
- 16: ONE WAY

FILE NAME = #FILES

**COLLINS ENGINEERS**

USER NAME = rga11	DESIGNED -	REVISED -
PLOT SCALE = 500,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 9/1/2015	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FAU ROUTE 1257 (DEERFIELD ROAD)  
MAINTENANCE OF TRAFFIC  
STAGE I - SUBSTAGE B**

SCALE:	SHEET NO. OF SHEETS	STA. TO STA.
--------	---------------------	--------------

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	339
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				CONTRACT NO. 63882

WET REF TEM TP T3 4  
(DOUBLE YELLOW W/TEMP.  
RAISED REFLECTIVE PAVT. MARKERS)

TEMP CONC BARRIER  
CONTINUOUSLY PINNED  
FROM STA. 9+87.50 TO STA. 12+39.01 (250 LF)

CMS, PLACE ON RIGHT SHOULDER OF US41  
300' SOUTH OF PARK AVE.

IMP ATTN TEMP NRD TL2

WET REF TEM TP T3 4  
(WHITE)

30"X30"  
4" WHITE LETTERS  
ON GREEN BACKGROUND



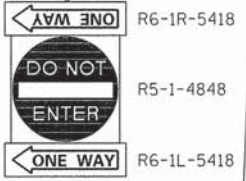
COVER EXIST. SIGNS  
WET REF TEM TP T3 4  
(WHITE)

COVER EXIST. SIGNS

MATCHLINE STA. 9+00.00

DEERFIELD ROAD

MATCHLINE STA. 19+50.00



R6-1R-5418  
R5-1-4848  
R6-1L-5418



W4-1(O)-48

EXIT OPEN AHEAD  
D4-1102(G)-3648

WET REF TEM TP T3 24  
(WHITE)

WET REF TEM TP T3 4  
(YELLOW)

MATCHLINE STA. 19+50.00

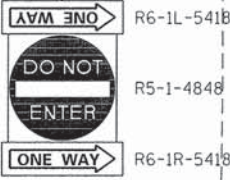
DEERFIELD ROAD



NORTH  
M3-1-2412  
MI-4-2424  
M6-2R-2115

MATCHLINE STA. 19+50.00

RAMP E



R6-1L-5418  
R5-1-4848  
R6-1R-5418

WET REF TEM TP T3 4  
(DOUBLE YELLOW W/TEMP.  
RAISED REFLECTIVE PAVT. MARKERS)

SKOKIE VALLEY RD

CMS, PLACE ON RIGHT SHOULDER OF US41  
1500' SOUTH OF E DEERFIELD RD, EXIT RAMP

RAMP H

WET REF TEM TP T3 4  
(WHITE)

RAMP I

WET REF TEM TP T3 4  
(YELLOW)

MATCHLINE STA. 32+00.00



R5-1A-3624  
16



EXIT SIGN - SPECIAL  
(SEE DETAIL A IN STANDARD 701411)  
15



W3-2(O)-48  
48" X 48"  
13A



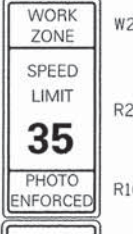
W3-2(O)-48  
48" X 48"  
13



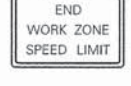
W20-1103(O)-48  
1



W20-7(O)-48  
OR  
W21-1(O)-48  
3



WORK ZONE  
SPEED LIMIT  
35  
PHOTO ENFORCED  
R2-1-3648  
R10-1108P-3618  
R2-1106-3618  
W20-1103(O)-48  
5



G20-1103(O)-6036  
8



W4-2L(O)-48  
10L



W1-4R(O)-48  
30 MPH  
W13-1(O)-2424  
11

- TEMPORARY PAVEMENT
- WORK AREA
- DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 50' C-C OR AS NOTED BELOW) DEVICES IN TAPER (25' C-C) DEVICES IN RADII (10' C-C)
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 2
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 20' C-C)
- TYPE III BARRICADE W/ 2 FLASHING BEACONS (NO. OF BARRICADES AS DIRECTED BY THE ENGINEER)
- PORTABLE CHANGEABLE MESSAGE SIGN

- NOTES:
- RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED ALONG ALL TEMPORARY PAVEMENT MARKINGS IN ACCORDANCE WITH DISTRICT ONE DETAIL TC11.
  - SEE DETOUR PLANS FOR RAMP H AND RAMP F DETOUR
- MUST BE REMOVED WHEN FLAGGER OR WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR

COLLINS ENGINEERS

USER NAME = r9011  
PLOT SCALE = 50,0000' / in.  
PLOT DATE = 9/1/2015

DESIGNED -  
DRAWN -  
CHECKED -  
DATE -

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

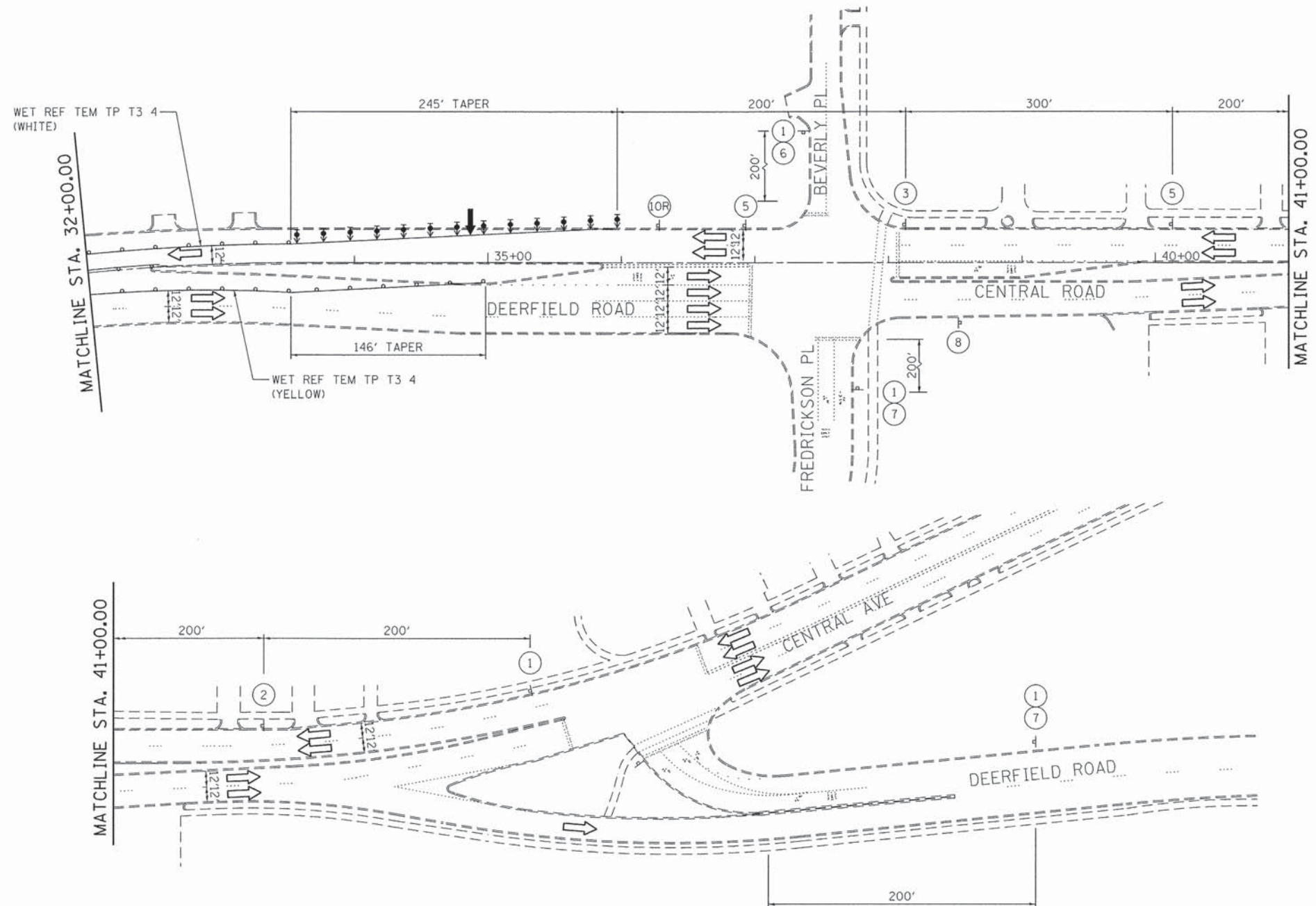
FAU ROUTE 1257 (DEERFIELD ROAD)  
MAINTENANCE OF TRAFFIC  
STAGE I - SUBSTAGE B

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	340
CONTRACT NO. 63882				

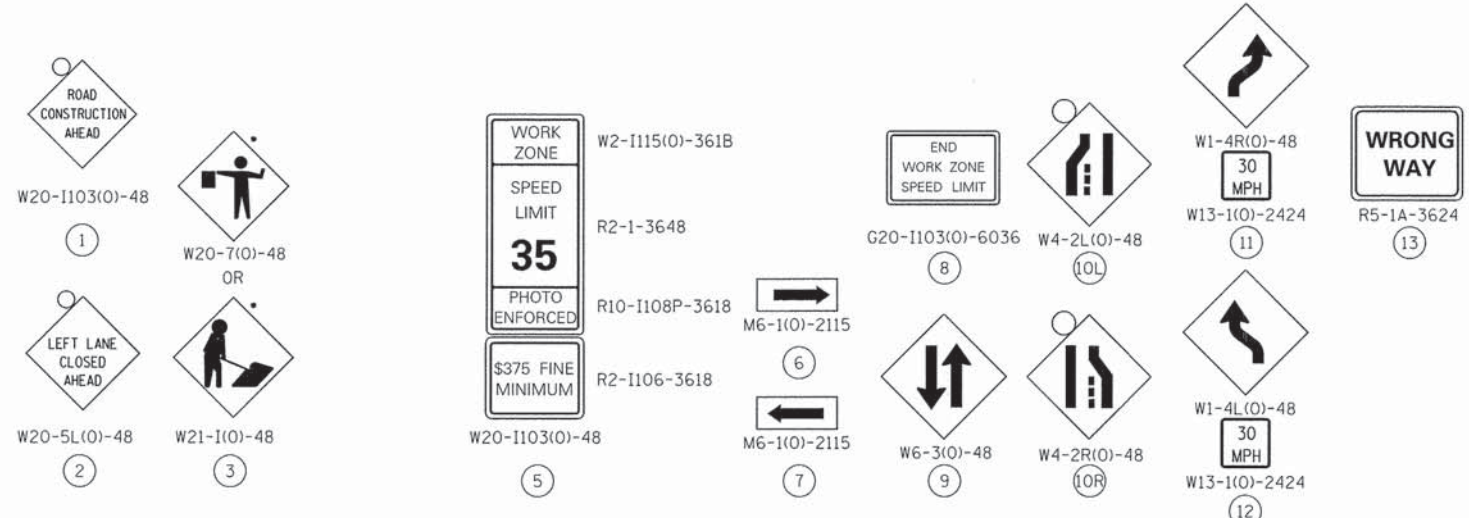
SCALE: SHEET NO. OF SHEETS STA. TO STA.

FILE NAME = #FILES





- NOTES:
1. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED ALONG ALL TEMPORARY PAVEMENT MARKINGS IN ACCORDANCE WITH DISTRICT ONE DETAIL TC11.
  2. SEE DETOUR PLANS FOR RAMP H AND RAMP F DETOUR
- MUST BE REMOVED WHEN FLAGGER OR WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR



- TEMPORARY PAVEMENT
- WORK AREA
- DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 50' C-C OR AS NOTED BELOW)
- DEVICES IN TAPER (25' C-C)
- DEVICES IN RADII (10' C-C)
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 2
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 20' C-C)
- TYPE III BARRICADE W/ 2 FLASHING BEACONS (NO. OF BARRICADES AS DIRECTED BY THE ENGINEER)
- PORTABLE CHANGEABLE MESSAGE SIGN

FILE NAME = #FILES

**COLLINS ENGINEERS**

USER NAME = rge11  
 PLOT SCALE = 50,0000' / in.  
 PLOT DATE = 9/1/2015

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

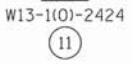
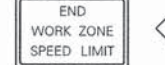
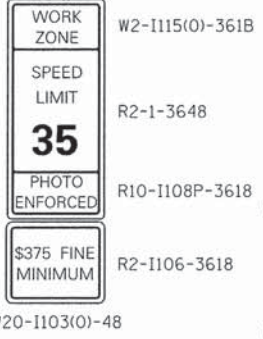
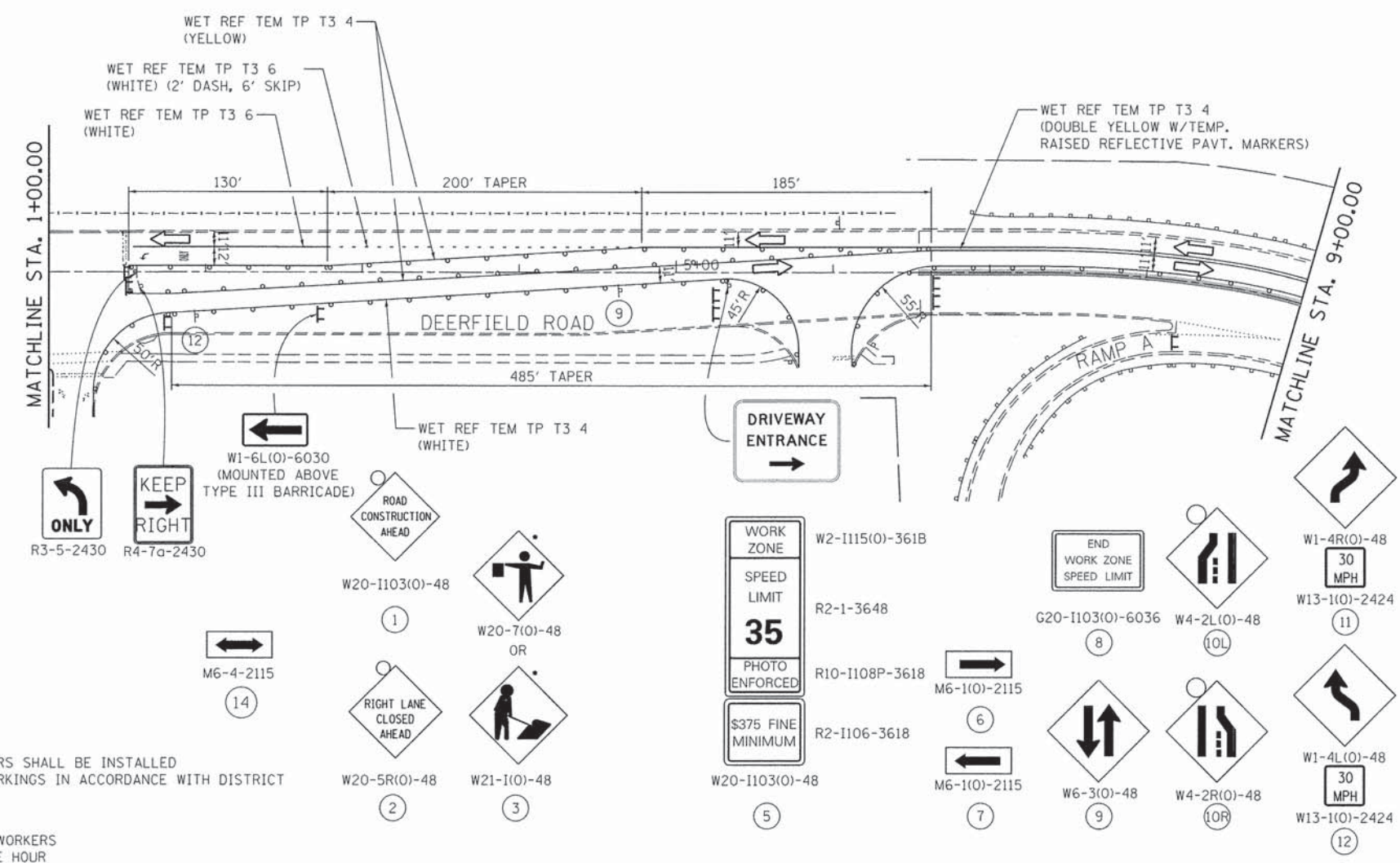
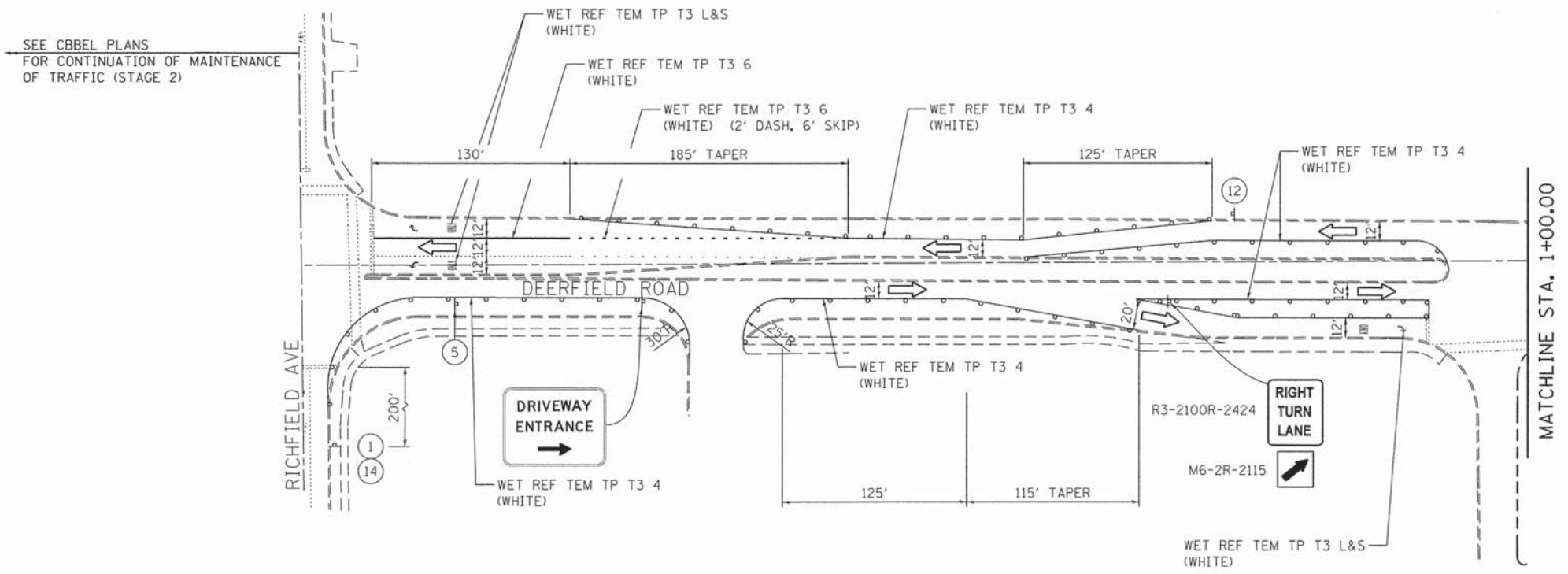
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**FAU ROUTE 1257 (DEERFIELD ROAD)  
 MAINTENANCE OF TRAFFIC  
 STAGE I - SUBSTAGE B**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-0092-00-PV	LAKE	424	341
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

CONTRACT NO. 63882



NOTES:

1. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED ALONG ALL TEMPORARY PAVEMENT MARKINGS IN ACCORDANCE WITH DISTRICT ONE DETAIL TC11.
- MUST BE REMOVED WHEN FLAGGER OR WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR

- TEMPORARY PAVEMENT
- WORK AREA
- DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 50' C-C OR AS NOTED BELOW) DEVICES IN TAPER (25' C-C) DEVICES IN RADII (10' C-C)
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 2
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 20' C-C)
- TYPE III BARRICADE W/ 2 FLASHING BEACONS (NO. OF BARRICADES AS DIRECTED BY THE ENGINEER)
- PORTABLE CHANGEABLE MESSAGE SIGN

FILE NAME = #FILES

**COLLINS ENGINEERS**

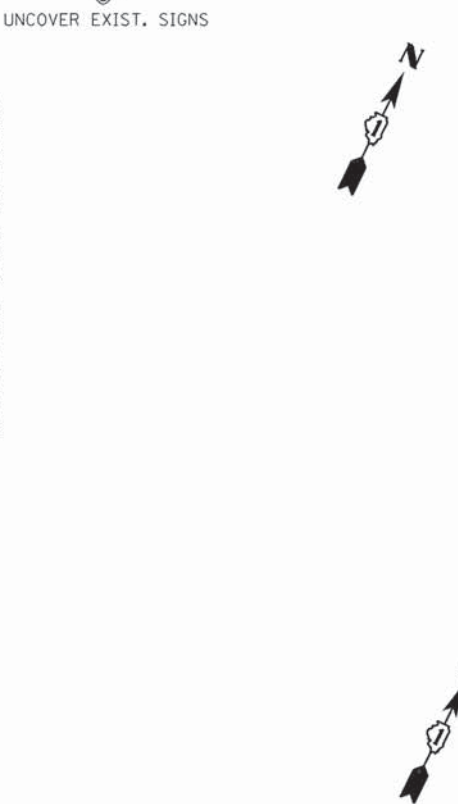
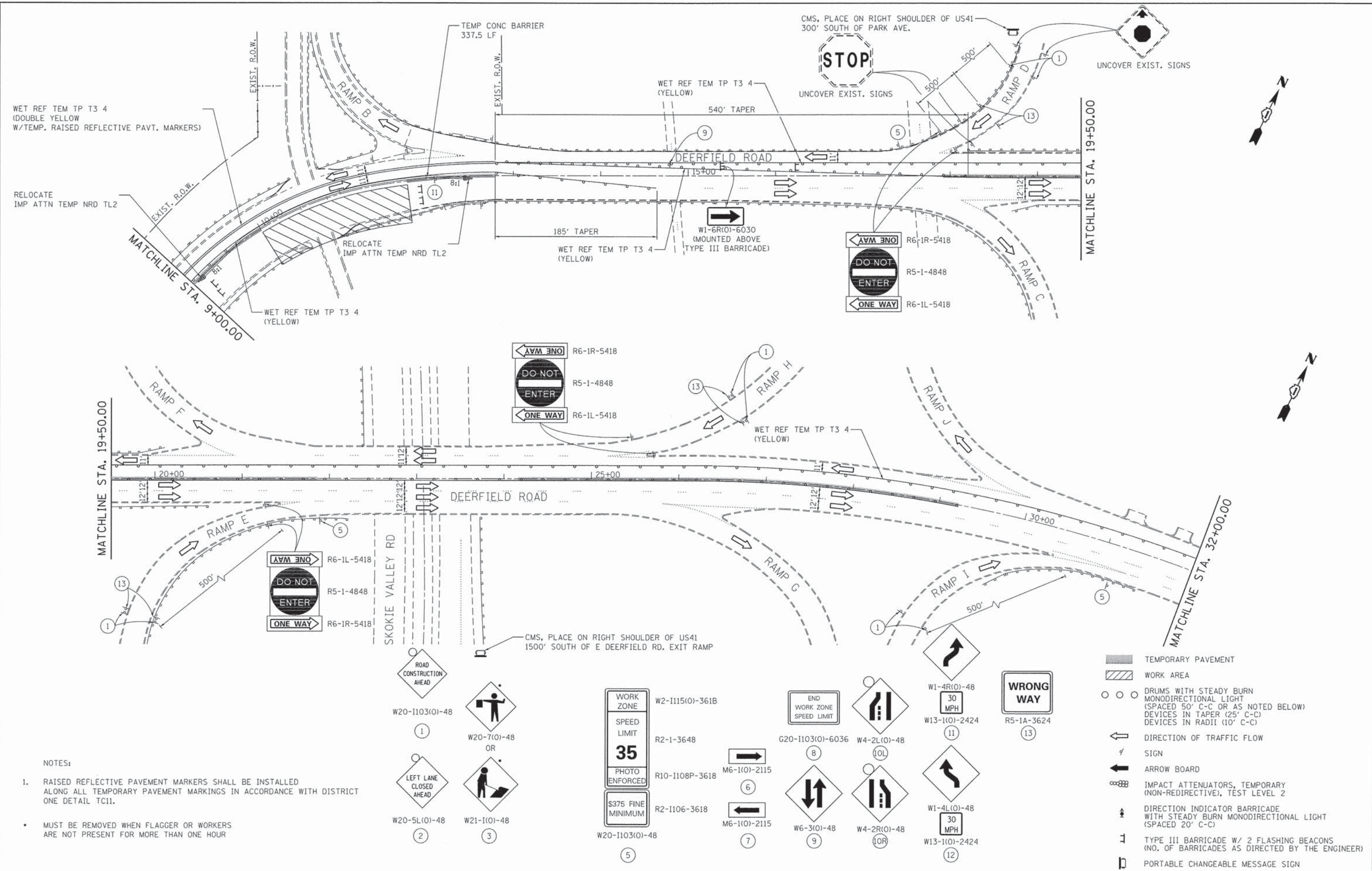
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PLOT SCALE = 50,0000' / 1" =	DRAWN -	REVISED -
PLOT DATE = 9/1/2015	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

FAU ROUTE 1257 (DEERFIELD ROAD)  
MAINTENANCE OF TRAFFIC - STAGE II

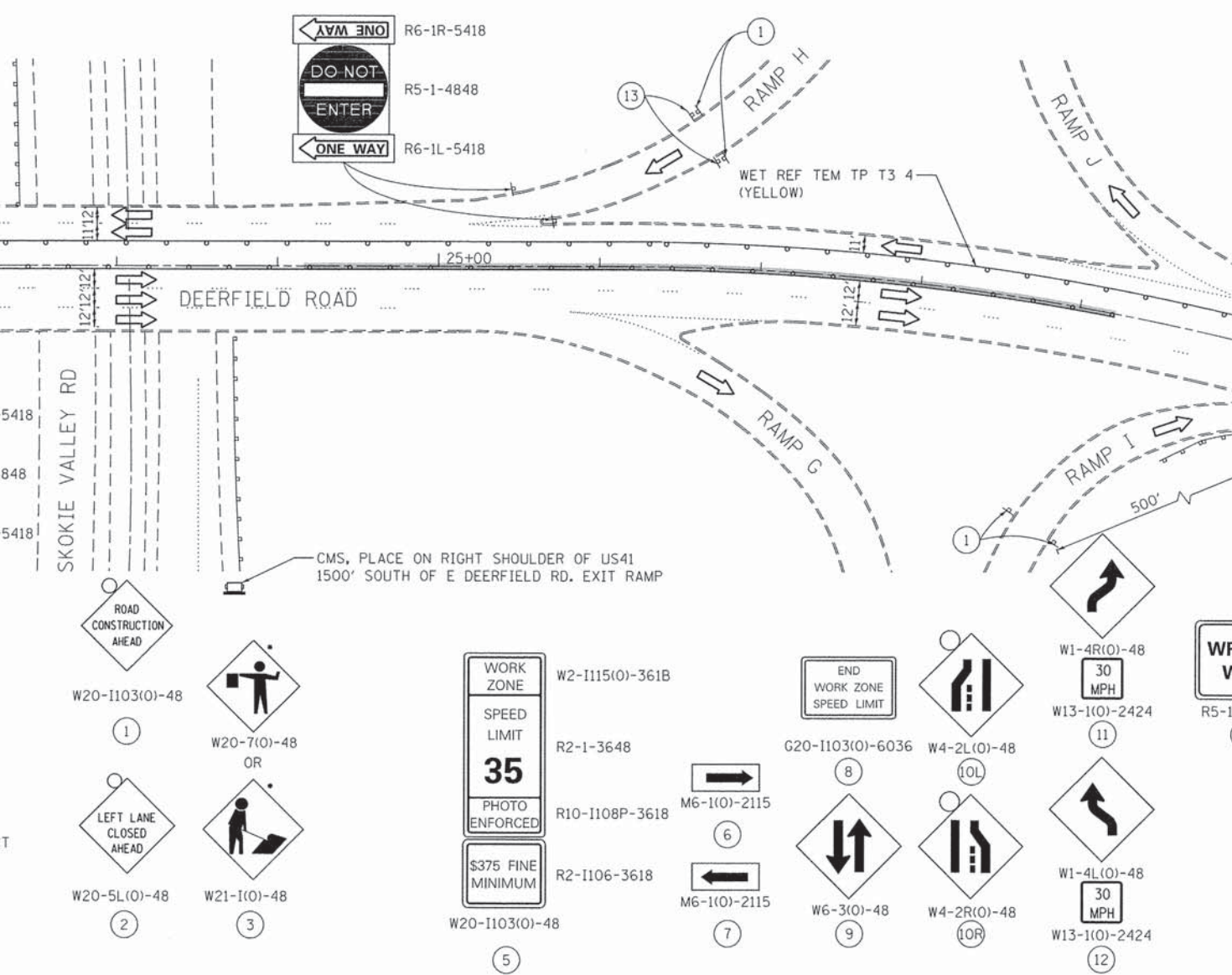
SCALE:	SHEET NO. OF SHEETS	STA. TO STA.
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F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 342
CONTRACT NO. 63882				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

1. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED ALONG ALL TEMPORARY PAVEMENT MARKINGS IN ACCORDANCE WITH DISTRICT ONE DETAIL TC11.
- MUST BE REMOVED WHEN FLAGGER OR WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR



- TEMPORARY PAVEMENT
- WORK AREA
- DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 50' C-C OR AS NOTED BELOW) DEVICES IN TAPER (25' C-C) DEVICES IN RADII (10' C-C)
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 2
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 20' C-C)
- TYPE III BARRICADE W/ 2 FLASHING BEACONS (NO. OF BARRICADES AS DIRECTED BY THE ENGINEER)
- PORTABLE CHANGEABLE MESSAGE SIGN

FILE NAME = 9FILE\*

**COLLINS ENGINEERS**

USER NAME = rge11  
 PLOT SCALE = 50,0000' / in.  
 PLOT DATE = 9/1/2015

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
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 REVISED -

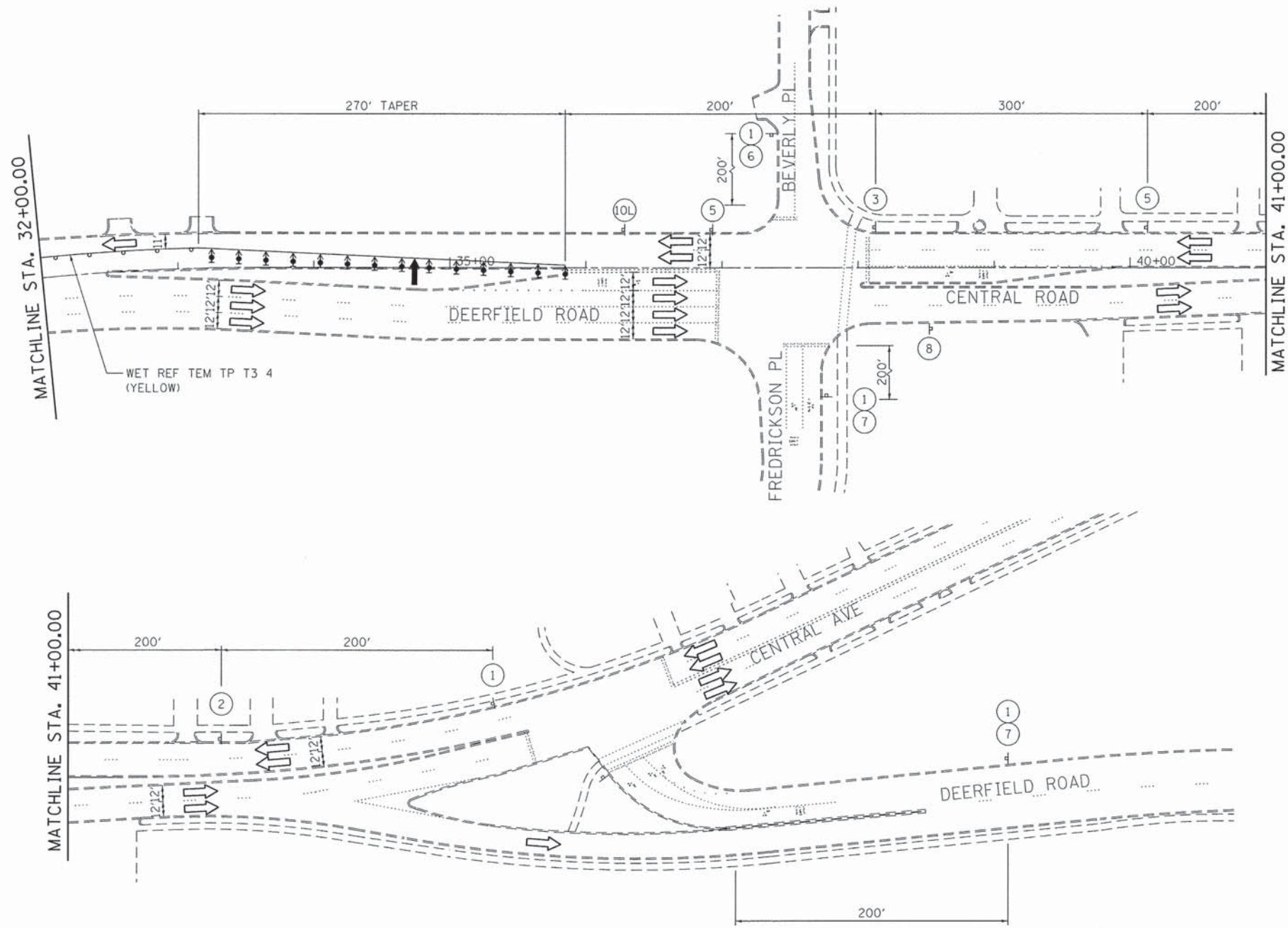
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**FAU ROUTE 1257 (DEERFIELD ROAD)  
 MAINTENANCE OF TRAFFIC - STAGE II**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	343
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

CONTRACT NO. 63882



- NOTES:
1. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED ALONG ALL TEMPORARY PAVEMENT MARKINGS IN ACCORDANCE WITH DISTRICT ONE DETAIL TC11.
  - MUST BE REMOVED WHEN FLAGGER OR WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR

 W20-1103(O)-48 ①	 W20-5L(O)-48 ②	 W20-7(O)-48 OR W21-1(O)-48 ③	 W2-1115(O)-361B R2-1-3648 R10-1108P-3618 R2-1106-3618 W20-1103(O)-48 ⑤	 G20-1103(O)-6036 ⑧	 W4-2L(O)-48 ⑩L	 W4-2R(O)-48 ⑩R	 R5-1A-3624 ⑬
 W1-4R(O)-48 W13-1(O)-2424 ⑪	 W1-4L(O)-48 W13-1(O)-2424 ⑫	 M6-1(O)-2115 ⑥	 M6-1(O)-2115 ⑦	 W6-3(O)-48 ⑨	 W13-1(O)-2424 ⑫		

- TEMPORARY PAVEMENT
- WORK AREA
- DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 50' C-C OR AS NOTED BELOW)  
 DEVICES IN TAPER (25' C-C)  
 DEVICES IN RADII (10' C-C)
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 2
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 20' C-C)
- TYPE III BARRICADE W/ 2 FLASHING BEACONS (NO. OF BARRICADES AS DIRECTED BY THE ENGINEER)
- PORTABLE CHANGEABLE MESSAGE SIGN

FILE NAME = #FILES

**COLLINS ENGINEERS**

USER NAME = rgoll	DESIGNED -	REVISED -
PLOT SCALE = 50,000' / in.	DRAWN -	REVISED -
PLOT DATE = 9/1/2015	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

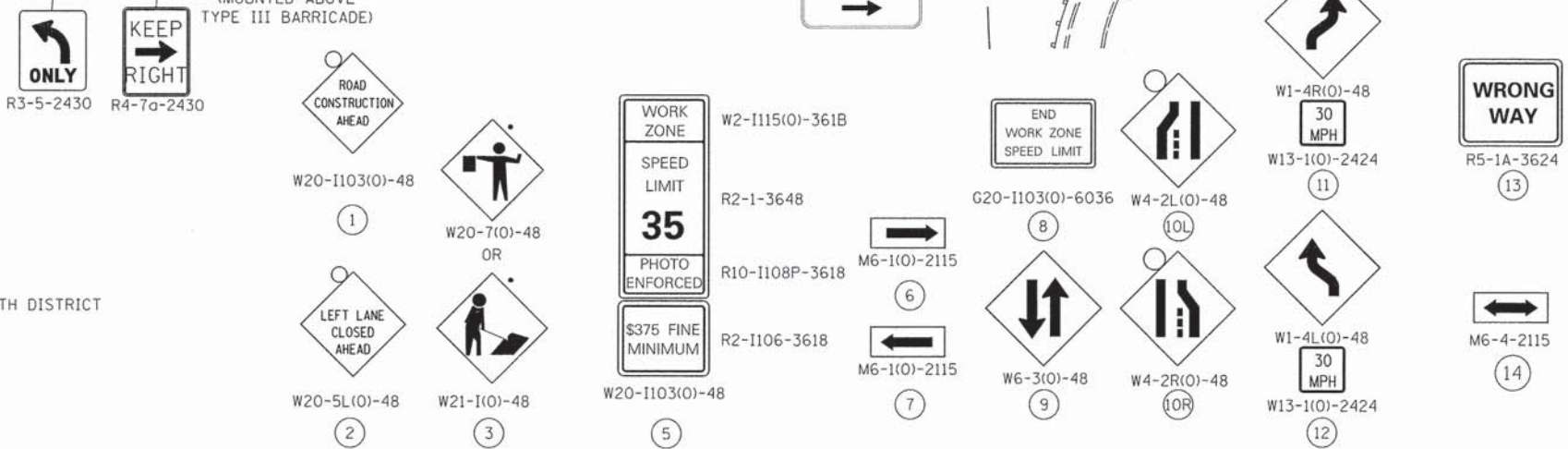
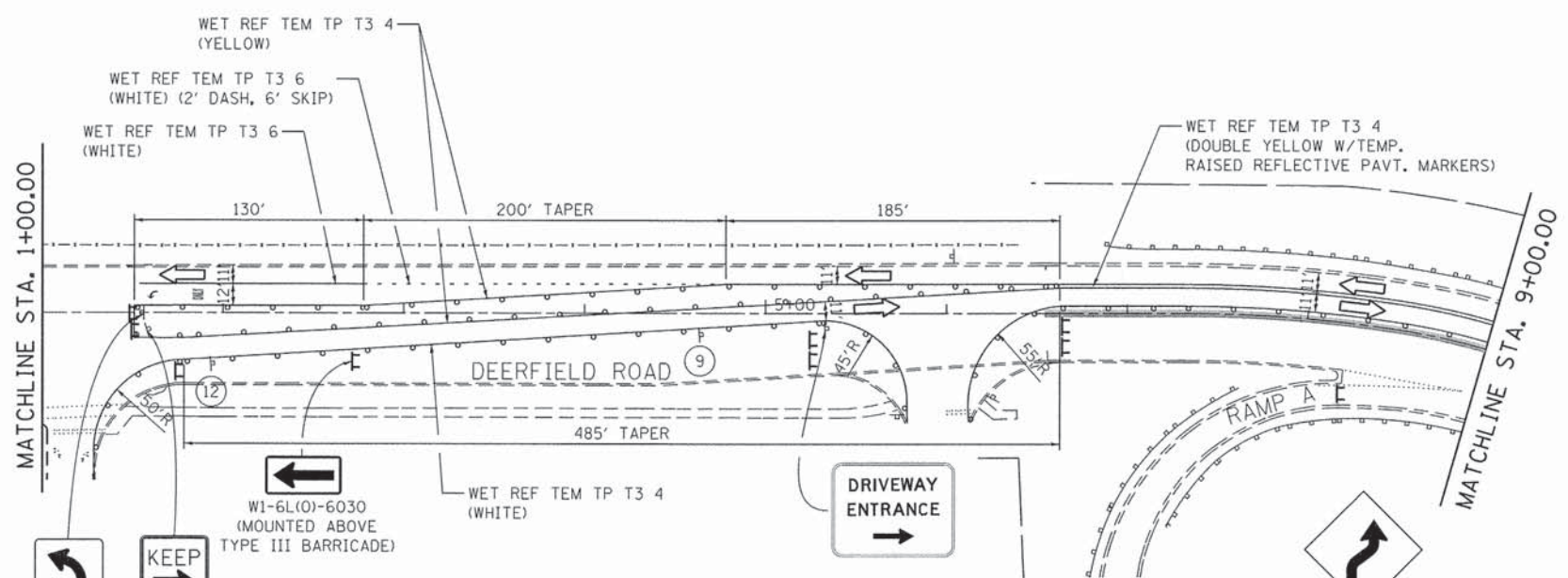
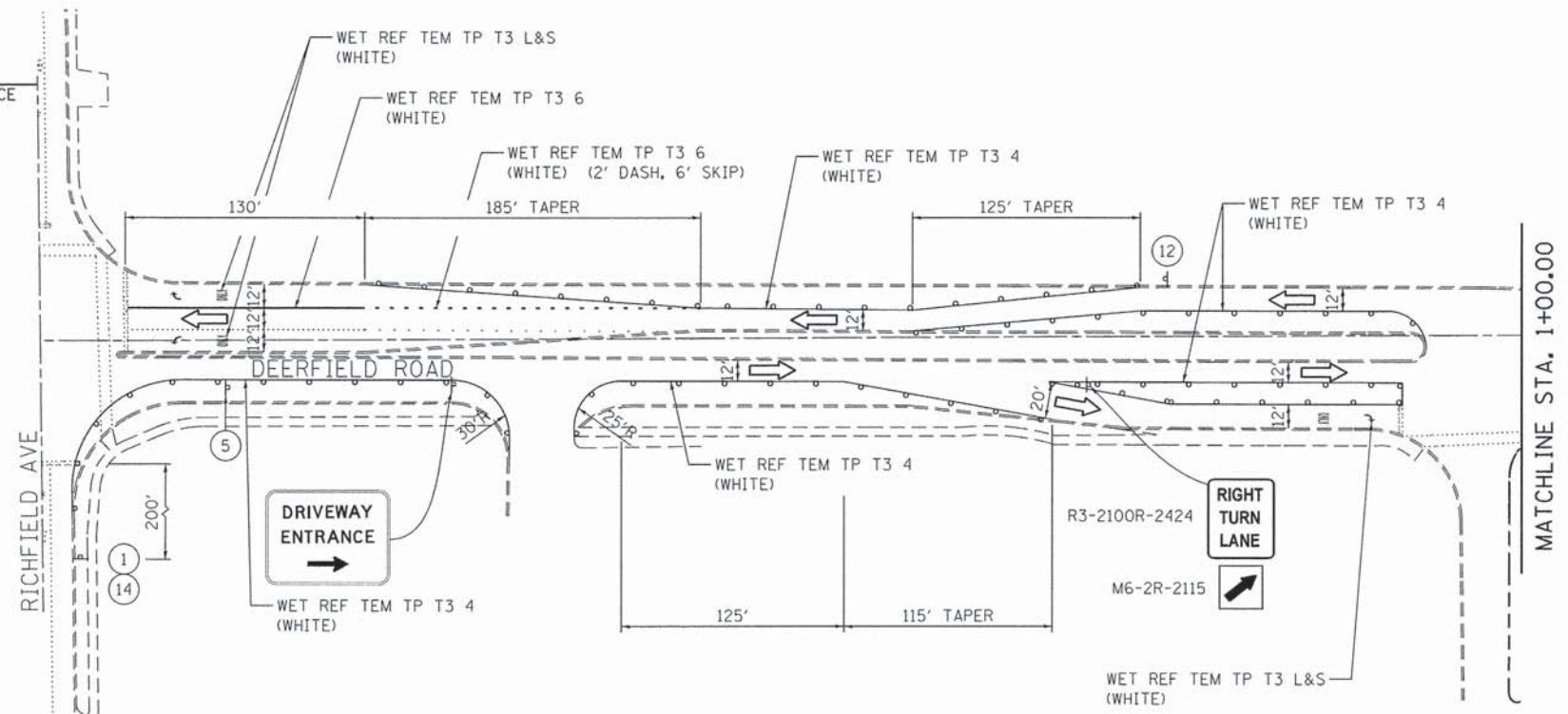
**FAU ROUTE 1257 (DEERFIELD ROAD)  
MAINTENANCE OF TRAFFIC - STAGE II**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	344
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				

CONTRACT NO. 63882

SEE CBEL PLANS  
FOR CONTINUATION OF MAINTENANCE  
OF TRAFFIC (STAGE 2)



- TEMPORARY PAVEMENT
- WORK AREA
- DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 50' C-C OR AS NOTED BELOW) DEVICES IN TAPER (25' C-C) DEVICES IN RADII (10' C-C)
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 2
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 20' C-C)
- TYPE III BARRICADE W/ 2 FLASHING BEACONS (NO. OF BARRICADES AS DIRECTED BY THE ENGINEER)
- PORTABLE CHANGEABLE MESSAGE SIGN

NOTES:

1. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED ALONG ALL TEMPORARY PAVEMENT MARKINGS IN ACCORDANCE WITH DISTRICT ONE DETAIL TC11.
  2. SEE DETOUR PLANS FOR RAMP A AND RAMP C CLOSURES.
- MUST BE REMOVED WHEN FLAGGER OR WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR

**COLLINS ENGINEERS**

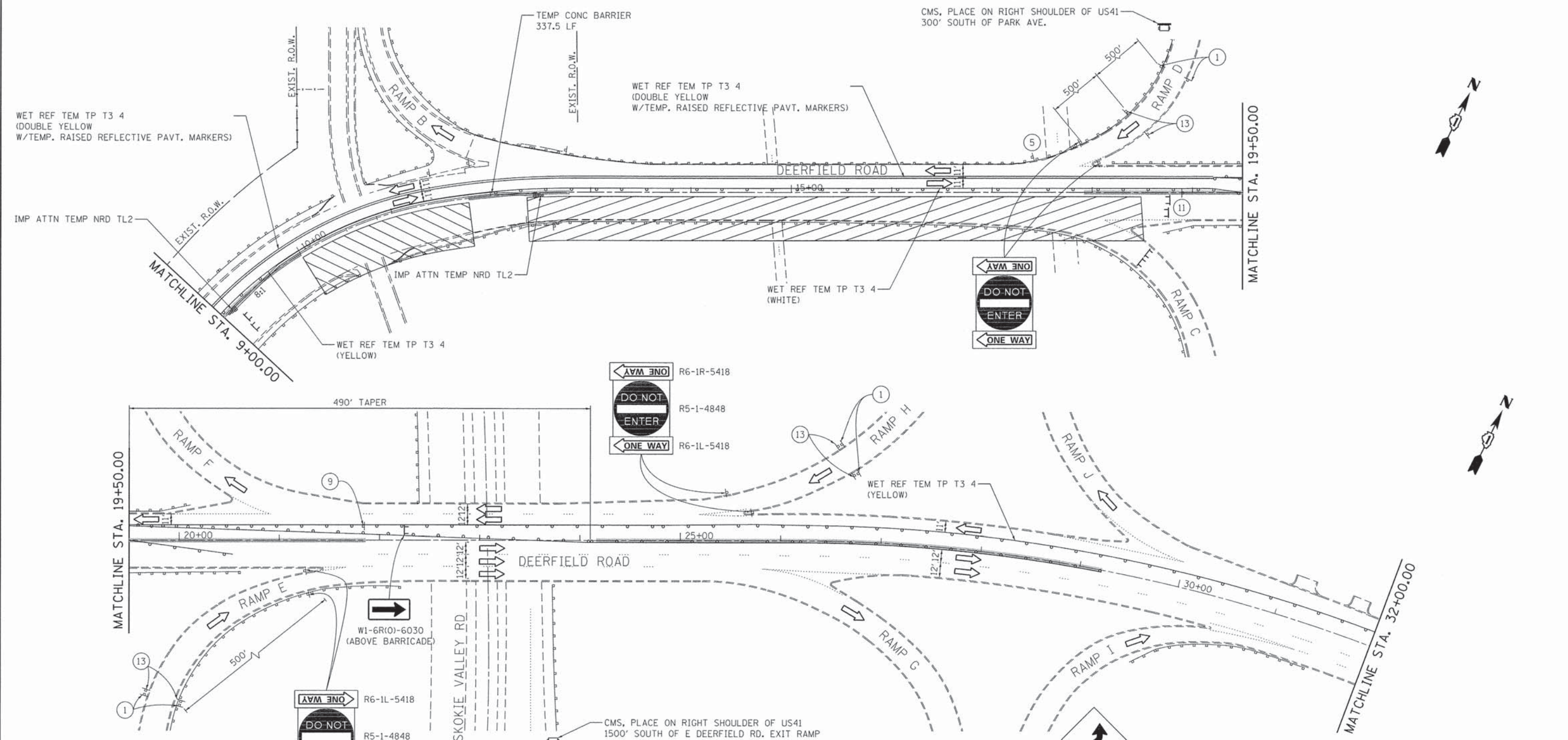
USER NAME = rgoll	DESIGNED -	REVISED -
PLOT SCALE = 50,000' / 1" =	DRAWN -	REVISED -
PLOT DATE = 9/1/2015	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

FAU ROUTE 1257 (DEERFIELD ROAD)  
MAINTENANCE OF TRAFFIC  
STAGE II - SUBSTAGE A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	345
CONTRACT NO. 63882				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

SCALE: SHEET NO. OF SHEETS STA. TO STA.



**NOTES:**

1. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED ALONG ALL TEMPORARY PAVEMENT MARKINGS IN ACCORDANCE WITH DISTRICT ONE DETAIL TC11.
2. SEE DETOUR PLANS FOR RAMP A AND RAMP C CLOSURES.

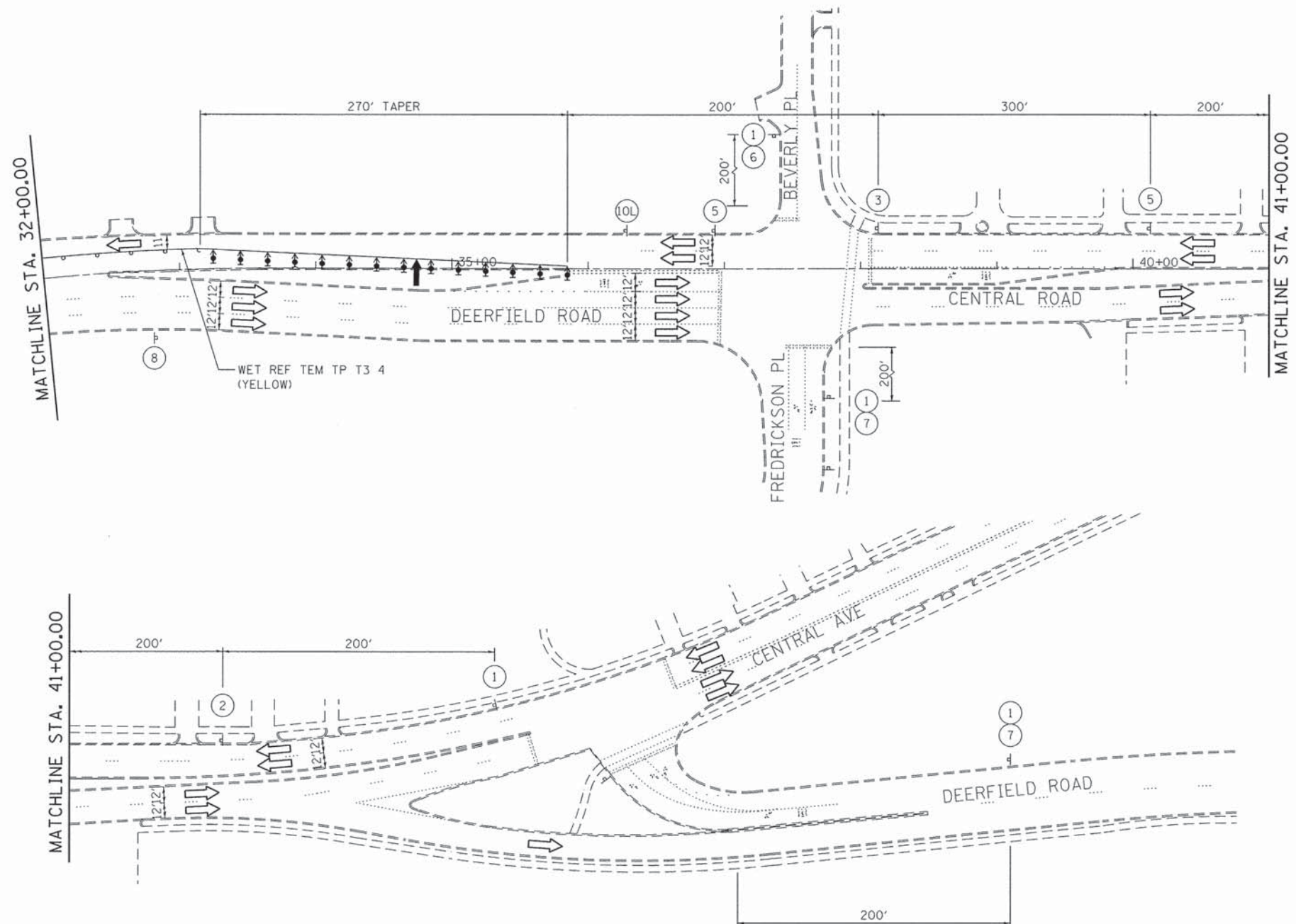
- MUST BE REMOVED WHEN FLAGGER OR WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR

**LEGEND:**

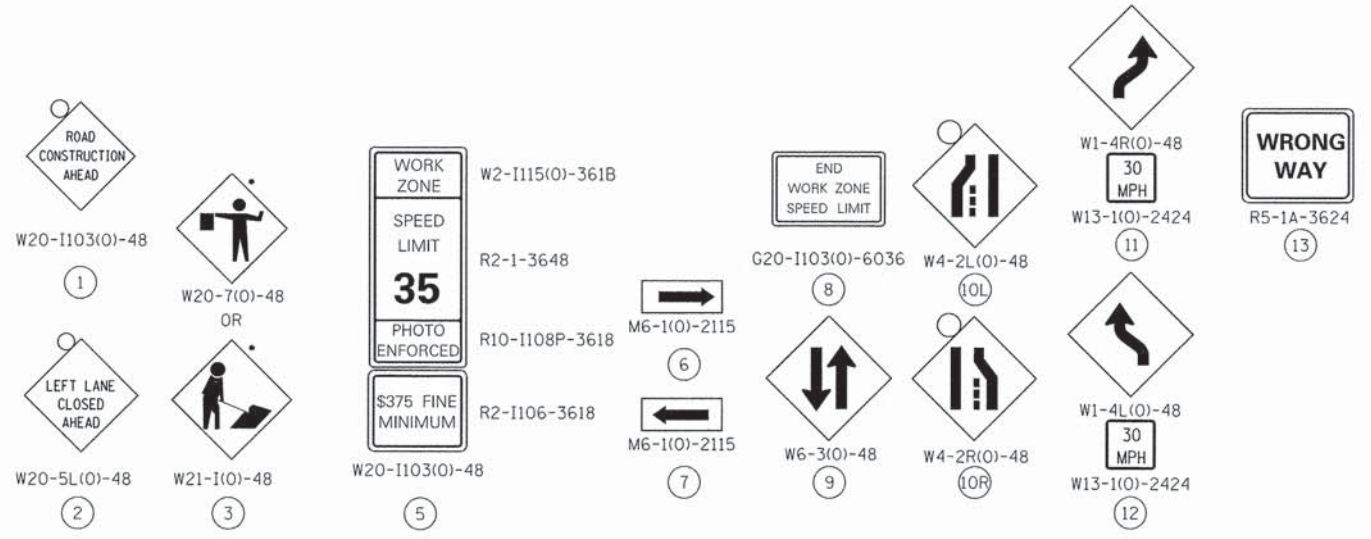
- TEMPORARY PAVEMENT
- WORK AREA
- DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 50' C-C OR AS NOTED BELOW) DEVICES IN TAPER (25' C-C) DEVICES IN RADII (10' C-C)
- DIRECTION OF TRAFFIC FLOW
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- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 2
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 20' C-C)
- TYPE III BARRICADE W/ 2 FLASHING BEACONS (NO. OF BARRICADES AS DIRECTED BY THE ENGINEER)
- PORTABLE CHANGEABLE MESSAGE SIGN

**SIGN LIST:**

- 1: ROAD CONSTRUCTION AHEAD (W20-1103(0)-48)
- 2: LEFT LANE CLOSED AHEAD (W20-5L(0)-48)
- 3: WORKER WITH SHovel (W20-7(0)-48 OR W21-1(0)-48)
- 5: WORK ZONE SPEED LIMIT 35 (W2-1115(0)-3618, R2-1-3648, R10-1108P-3618, R2-1106-3618, W20-1103(0)-48)
- 6: PHOTO ENFORCED (M6-1(0)-2115)
- 7: \$375 FINE MINIMUM (M6-1(0)-2115)
- 8: END WORK ZONE SPEED LIMIT (G20-1103(0)-6036)
- 9: ROAD NARROWING AHEAD (W6-3(0)-48)
- 10: ROAD NARROWING AHEAD (W4-2L(0)-48)
- 10R: ROAD NARROWING AHEAD (W4-2R(0)-48)
- 11: 30 MPH (W1-4R(0)-48, W13-1(0)-2424)
- 12: 30 MPH (W1-4L(0)-48, W13-1(0)-2424)
- 13: WRONG WAY (R5-1A-3624)



- NOTES:
- RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED ALONG ALL TEMPORARY PAVEMENT MARKINGS IN ACCORDANCE WITH DISTRICT ONE DETAIL TC11.
  - SEE DETOUR PLANS FOR RAMP A AND RAMP C CLOSURES.
- MUST BE REMOVED WHEN FLAGGER OR WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR



- TEMPORARY PAVEMENT
- WORK AREA
- DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 50' C-C OR AS NOTED BELOW) DEVICES IN TAPER (25' C-C) DEVICES IN RADII (10' C-C)
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 2
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 20' C-C)
- TYPE III BARRICADE W/ 2 FLASHING BEACONS (NO. OF BARRICADES AS DIRECTED BY THE ENGINEER)
- PORTABLE CHANGEABLE MESSAGE SIGN

FILE NAME = #FILES

**COLLINS ENGINEERS**

USER NAME = rge11	DESIGNED -	REVISED -
PLOT SCALE = 50,0000' / 1"	DRAWN -	REVISED -
PLOT DATE = 9/1/2015	CHECKED -	REVISED -
	DATE -	REVISED -

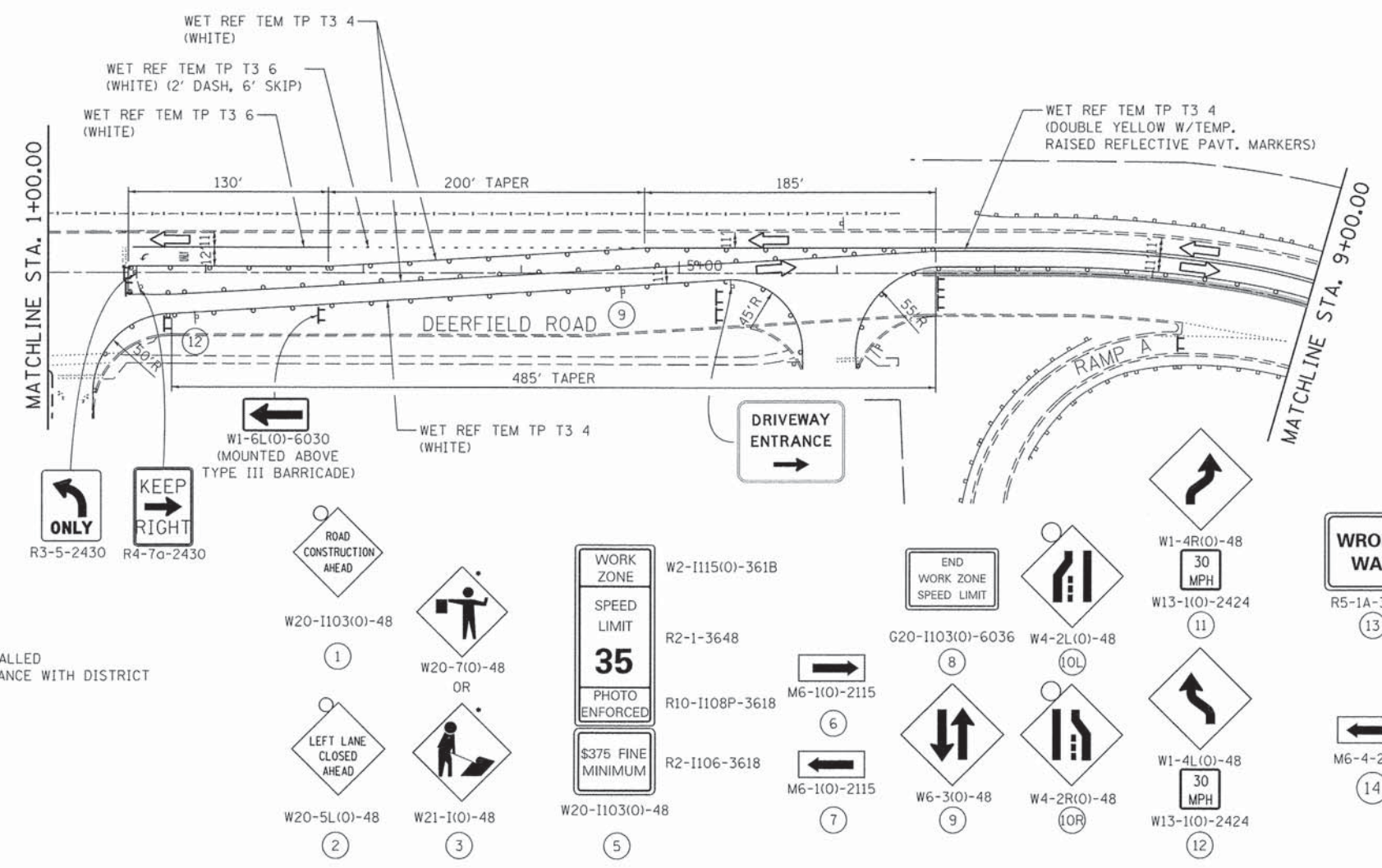
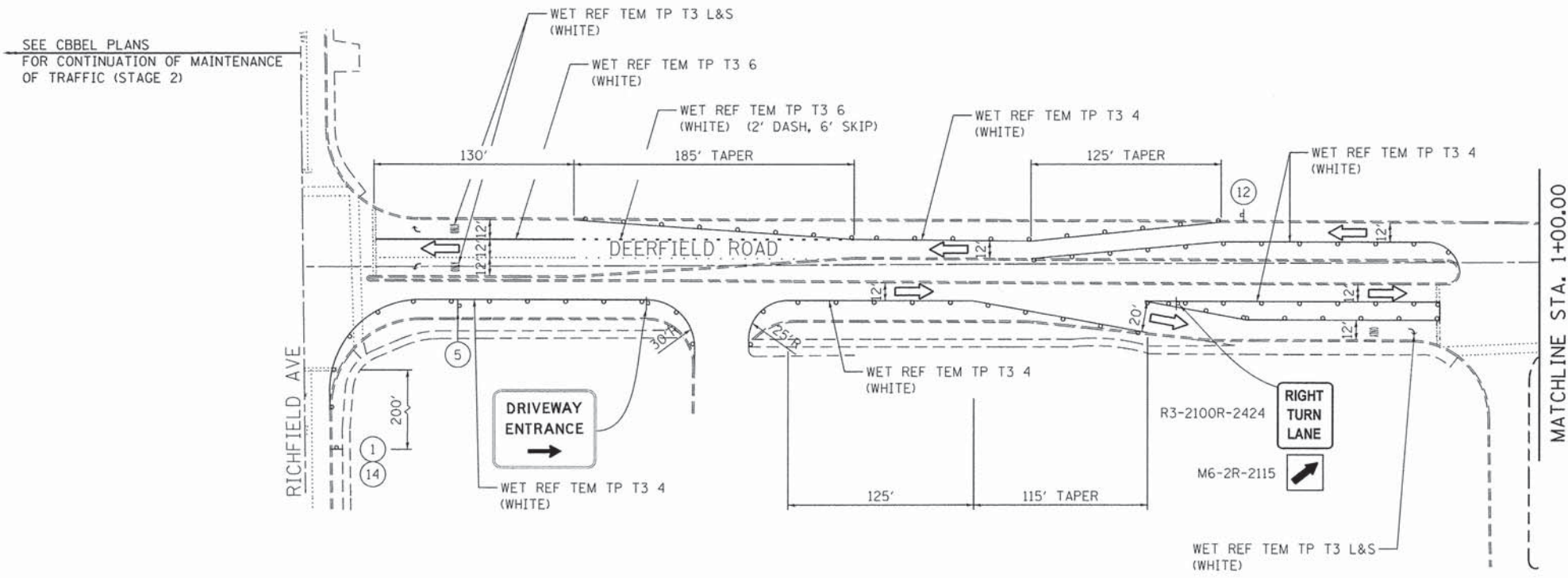
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FAU ROUTE 1257 (DEERFIELD ROAD)  
MAINTENANCE OF TRAFFIC  
STAGE II - SUBSTAGE A**

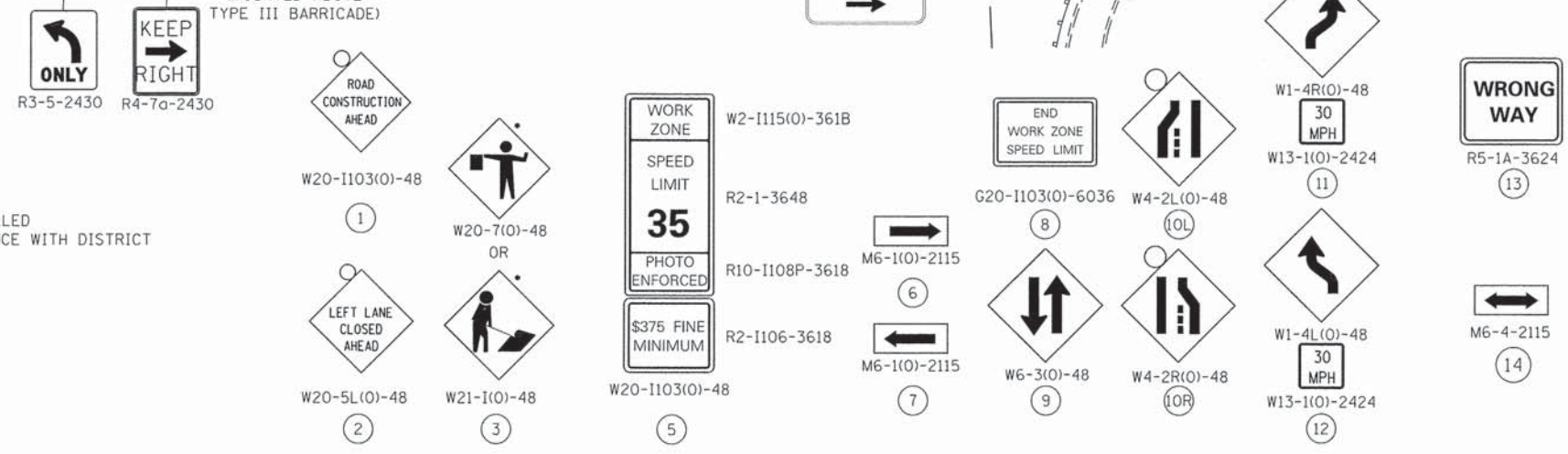
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	347
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

CONTRACT NO. 63882



- NOTES:
1. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED ALONG ALL TEMPORARY PAVEMENT MARKINGS IN ACCORDANCE WITH DISTRICT ONE DETAIL TC11.
  2. SEE DETOUR PLANS FOR RAMP E AND RAMP G CLOSURE.
- MUST BE REMOVED WHEN FLAGGER OR WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR



- TEMPORARY PAVEMENT
- WORK AREA
- DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 50' C-C OR AS NOTED BELOW)
- DEVICES IN TAPER (25' C-C)
- DEVICES IN RADII (10' C-C)
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 2
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 20' C-C)
- TYPE III BARRICADE W/ 2 FLASHING BEACONS (NO. OF BARRICADES AS DIRECTED BY THE ENGINEER)
- PORTABLE CHANGEABLE MESSAGE SIGN

FILE NAME = #FILE#

**COLLINS ENGINEERS**

USER NAME = rge11	DESIGNED -	REVISED -
PLOT SCALE = 50,000' / 1"	DRAWN -	REVISED -
PLOT DATE = 9/11/2015	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FAU ROUTE 1257 (DEERFIELD ROAD)  
MAINTENANCE OF TRAFFIC  
STAGE II - SUBSTAGE B**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	348
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

SCALE: SHEET NO. OF SHEETS STA. TO STA.



WET REF TEM TP T3 4  
(DOUBLE YELLOW  
W/TEMP. RAISED REFLECTIVE PAVT. MARKERS)

IMP ATTN TEMP FRD TL2

MATCHLINE STA. 19+50.00

DEERFIELD ROAD

SKOKIE VALLEY RD

MATCHLINE STA. 19+50.00

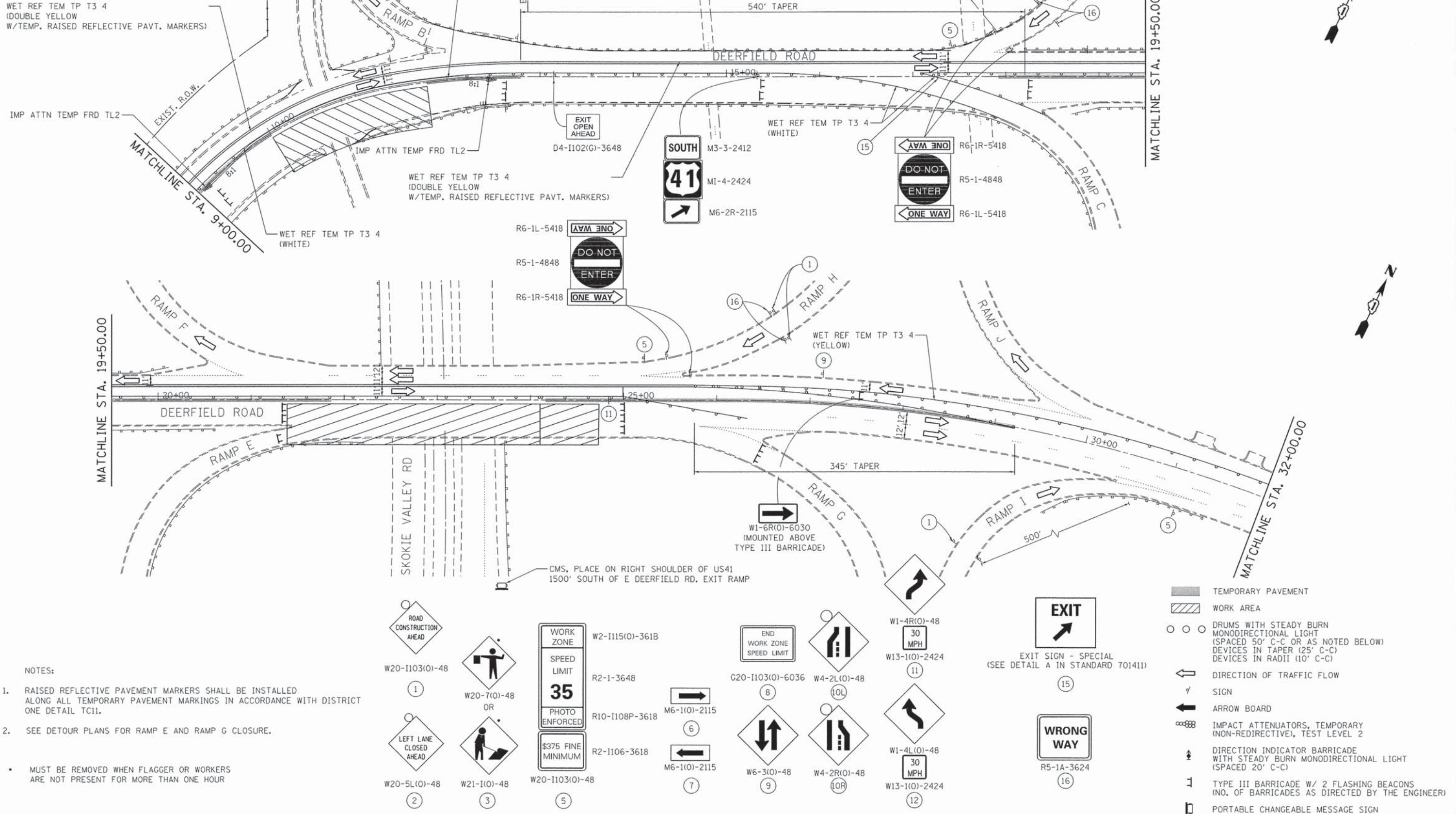
MATCHLINE STA. 32+00.00

TEMP CONC BARRIER  
337.5 LF

CMS, PLACE ON RIGHT SHOULDER OF US41  
300' SOUTH OF PARK AVE.

540' TAPER

345' TAPER



- NOTES:
1. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED ALONG ALL TEMPORARY PAVEMENT MARKINGS IN ACCORDANCE WITH DISTRICT ONE DETAIL TC11.
  2. SEE DETOUR PLANS FOR RAMP E AND RAMP G CLOSURE.
- MUST BE REMOVED WHEN FLAGGER OR WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR


- TEMPORARY PAVEMENT
- WORK AREA
- DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 50' C-C OR AS NOTED BELOW) DEVICES IN TAPER (25' C-C) DEVICES IN RADII (10' C-C)
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 2
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 20' C-C)
- TYPE III BARRICADE W/ 2 FLASHING BEACONS (NO. OF BARRICADES AS DIRECTED BY THE ENGINEER)
- PORTABLE CHANGEABLE MESSAGE SIGN

FILE NAME = #FILES

**COLLINS ENGINEERS**

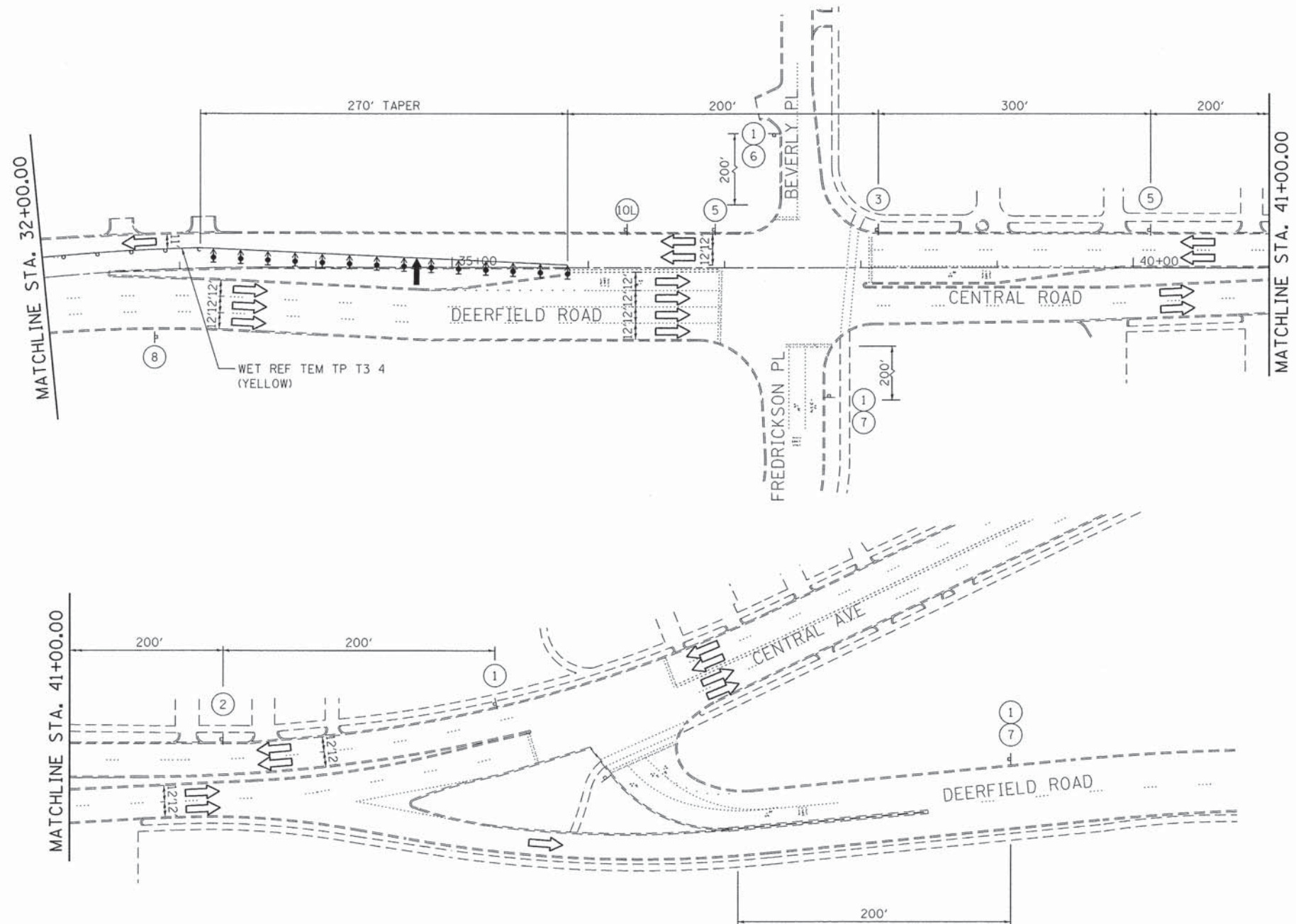
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PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 9/1/2015	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

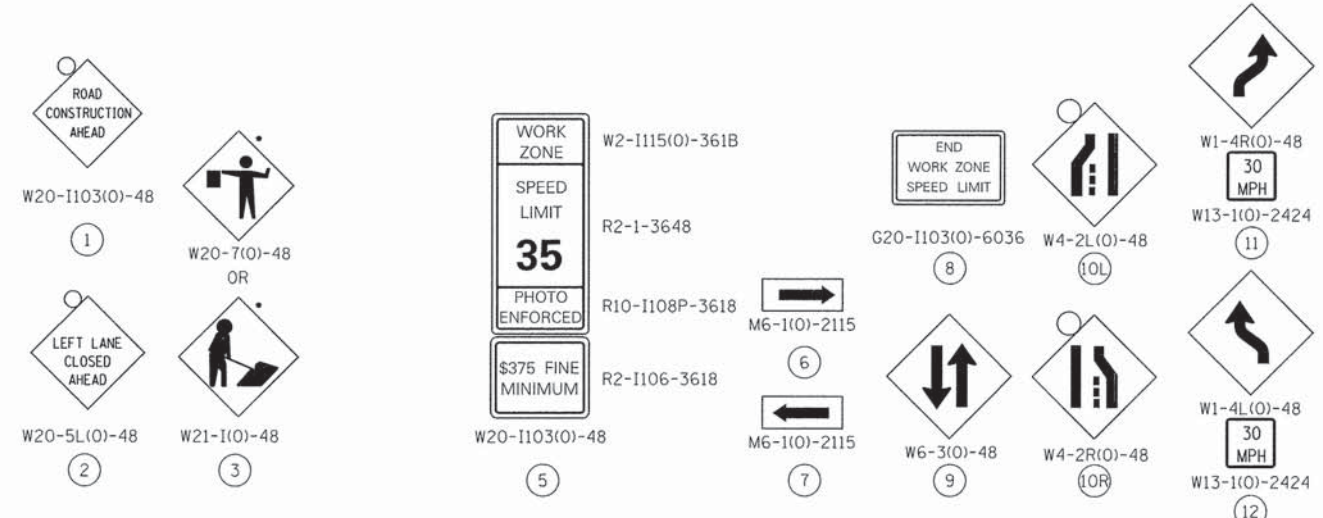
FAU ROUTE 1257 (DEERFIELD ROAD)  
MAINTENANCE OF TRAFFIC  
STAGE II - SUBSTAGE B

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	349
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				
CONTRACT NO. 63882				



- NOTES:
1. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED ALONG ALL TEMPORARY PAVEMENT MARKINGS IN ACCORDANCE WITH DISTRICT ONE DETAIL TC11.
  2. SEE DETOUR PLANS FOR RAMP E AND RAMP G CLOSURE.
- MUST BE REMOVED WHEN FLAGGER OR WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR



- TEMPORARY PAVEMENT
- WORK AREA
- DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 50' C-C OR AS NOTED BELOW) DEVICES IN TAPER (25' C-C) DEVICES IN RADII (10' C-C)
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 2
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 20' C-C)
- TYPE III BARRICADE W/ 2 FLASHING BEACONS (NO. OF BARRICADES AS DIRECTED BY THE ENGINEER)
- PORTABLE CHANGEABLE MESSAGE SIGN

FILE NAME = #FILES

**COLLINS ENGINEERS**

USER NAME = rge11	DESIGNED -	REVISED -
PLOT SCALE = 50,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 9/1/2015	CHECKED -	REVISED -
	DATE -	REVISED -

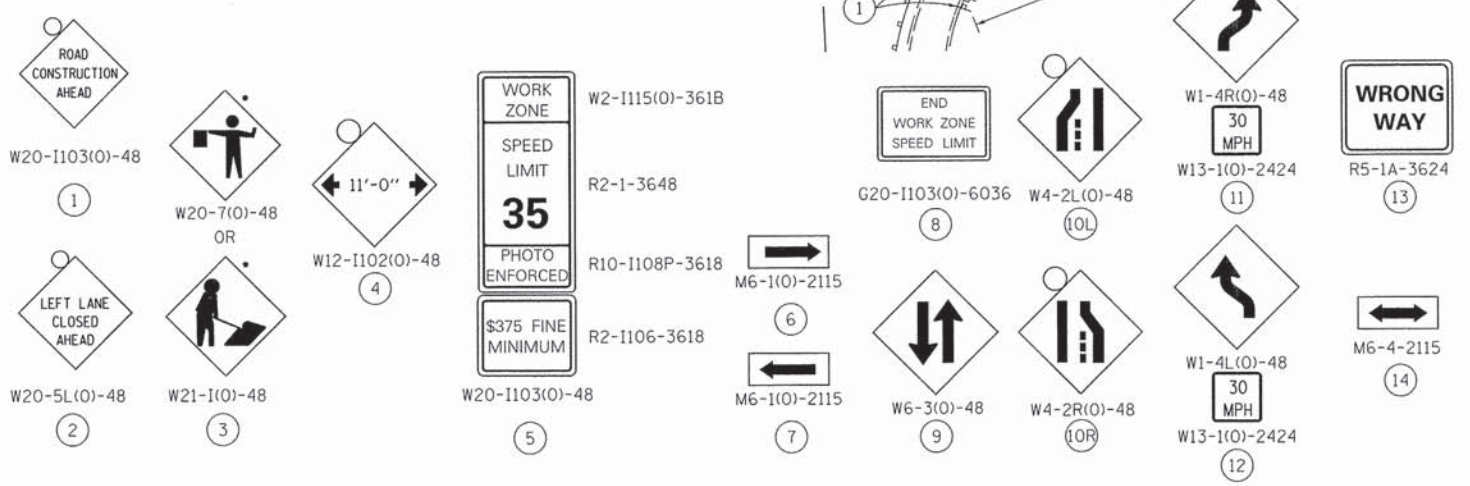
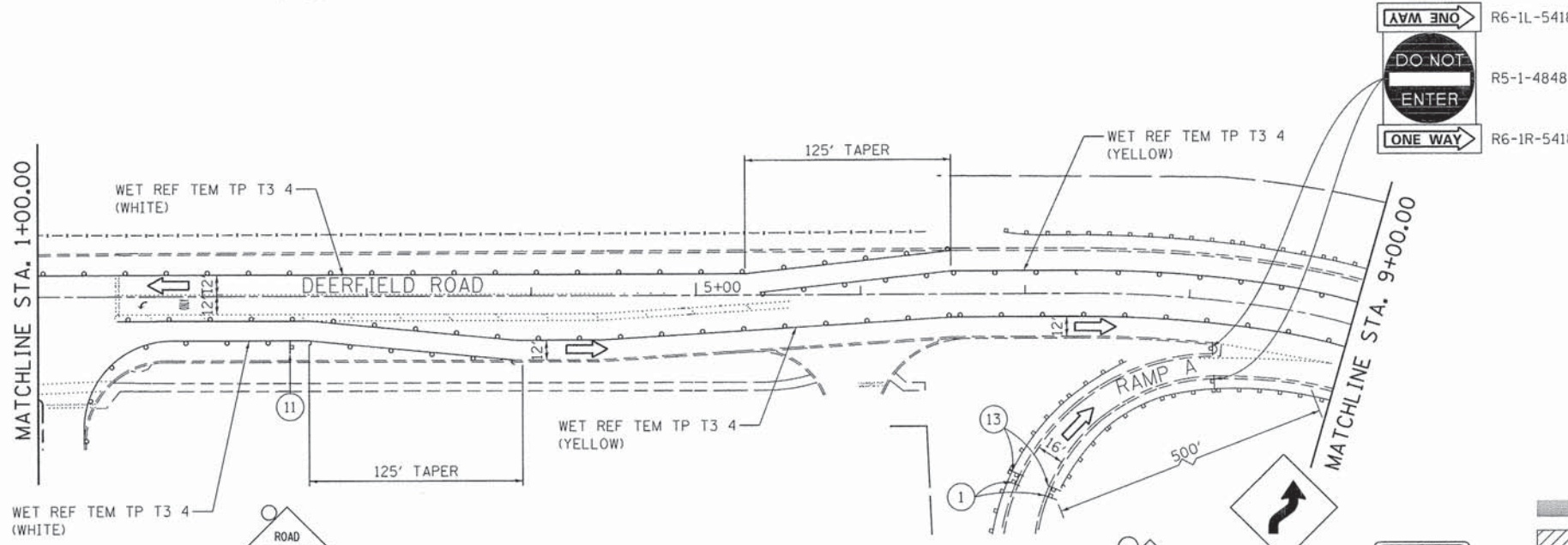
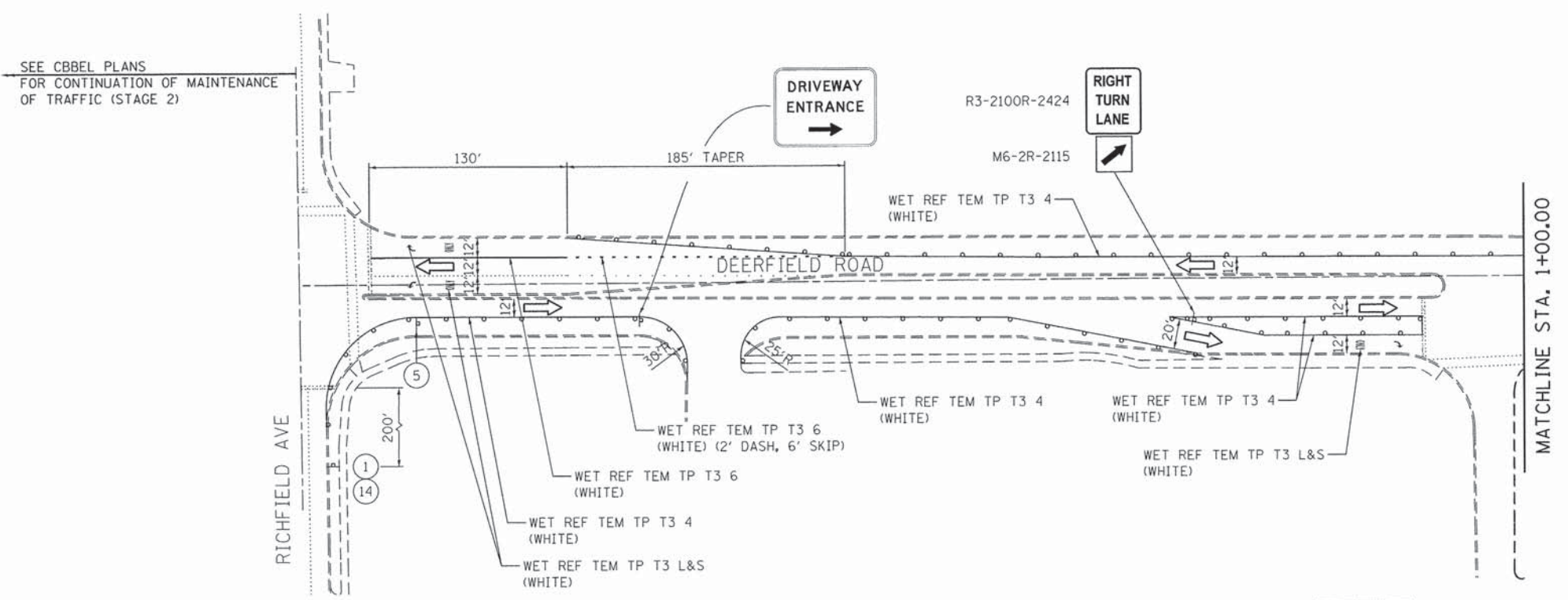
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FAU ROUTE 1257 (DEERFIELD ROAD)  
MAINTENANCE OF TRAFFIC  
STAGE II - SUBSTAGE B**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	350
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				

SCALE: SHEET NO. OF SHEETS STA. TO STA.

CONTRACT NO. 63882



- TEMPORARY PAVEMENT
- WORK AREA
- DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 50' C-C OR AS NOTED BELOW)
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 2
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 20' C-C)
- TYPE III BARRICADE W/ 2 FLASHING BEACONS (NO. OF BARRICADES AS DIRECTED BY THE ENGINEER)
- PORTABLE CHANGEABLE MESSAGE SIGN

- NOTES:
- RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED ALONG ALL TEMPORARY PAVEMENT MARKINGS IN ACCORDANCE WITH DISTRICT ONE DETAIL TC11.
  - MUST BE REMOVED WHEN FLAGGER OR WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR

FILE NAME = #FILES

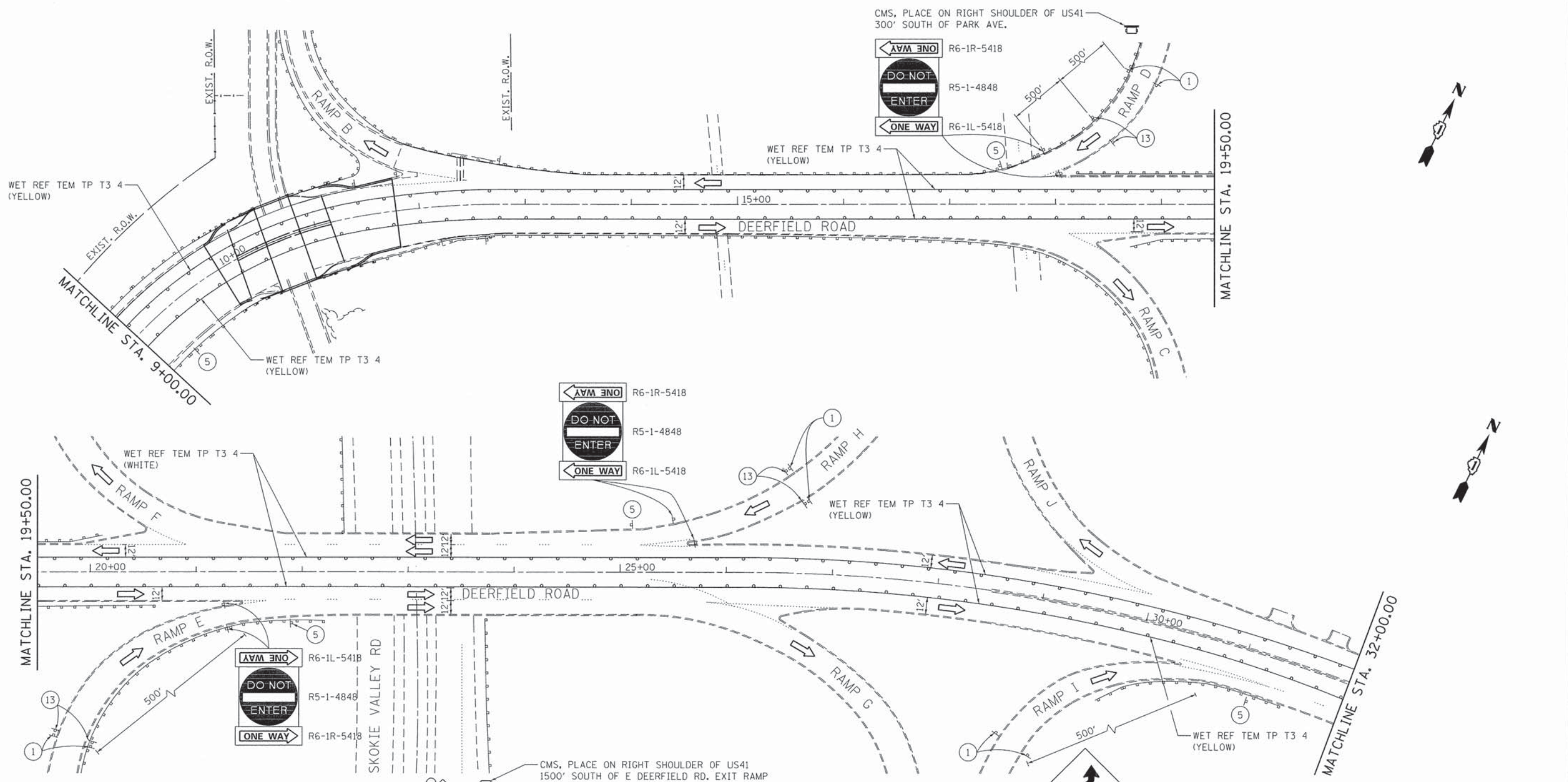


USER NAME = rgoll	DESIGNED -	REVISED -
PLOT SCALE = 50,000' / in.	DRAWN -	REVISED -
PLOT DATE = 9/1/2015	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>FAU ROUTE 1257 (DEERFIELD ROAD) MAINTENANCE OF TRAFFIC - STAGE III</b>			
SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	351
CONTRACT NO. 63882				
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				



**NOTES:**

1. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED ALONG ALL TEMPORARY PAVEMENT MARKINGS IN ACCORDANCE WITH DISTRICT ONE DETAIL TC11.
- MUST BE REMOVED WHEN FLAGGER OR WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR

W20-1103(O)-48 W20-5L(O)-48 W20-7(O)-48 W21-1(O)-48 W12-1102(O)-48 R2-1-3648 R10-1108P-3618 R2-1106-3618 G20-1103(O)-6036 W2-1115(O)-361B M6-1(O)-2115 M6-1(O)-2115 W4-2L(O)-48 W4-2R(O)-48 R5-1A-4230 W1-4R(O)-48 W13-1(O)-2424 W1-4L(O)-48 W13-1(O)-2424	<p>ROAD CONSTRUCTION AHEAD</p> <p>LEFT LANE CLOSED AHEAD</p> <p>WORK ZONE</p> <p>SPEED LIMIT 35</p> <p>PHOTO ENFORCED</p> <p>\$375 FINE MINIMUM</p> <p>END WORK ZONE SPEED LIMIT</p> <p>WRONG WAY</p> <p>DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 50' C-C OR AS NOTED BELOW) DEVICES IN TAPER (25' C-C) DEVICES IN RADII (10' C-C)</p> <p>DIRECTION OF TRAFFIC FLOW</p> <p>SIGN</p> <p>ARROW BOARD</p> <p>IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 2</p> <p>DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 20' C-C)</p> <p>TYPE III BARRICADE W/ 2 FLASHING BEACONS (NO. OF BARRICADES AS DIRECTED BY THE ENGINEER)</p> <p>PORTABLE CHANGEABLE MESSAGE SIGN</p>
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FILE NAME = #FILES

**COLLINS ENGINEERS**

USER NAME = rgal1	DESIGNED -	REVISED -
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PLOT DATE = 9/1/2015	CHECKED -	REVISED -
	DATE -	REVISED -

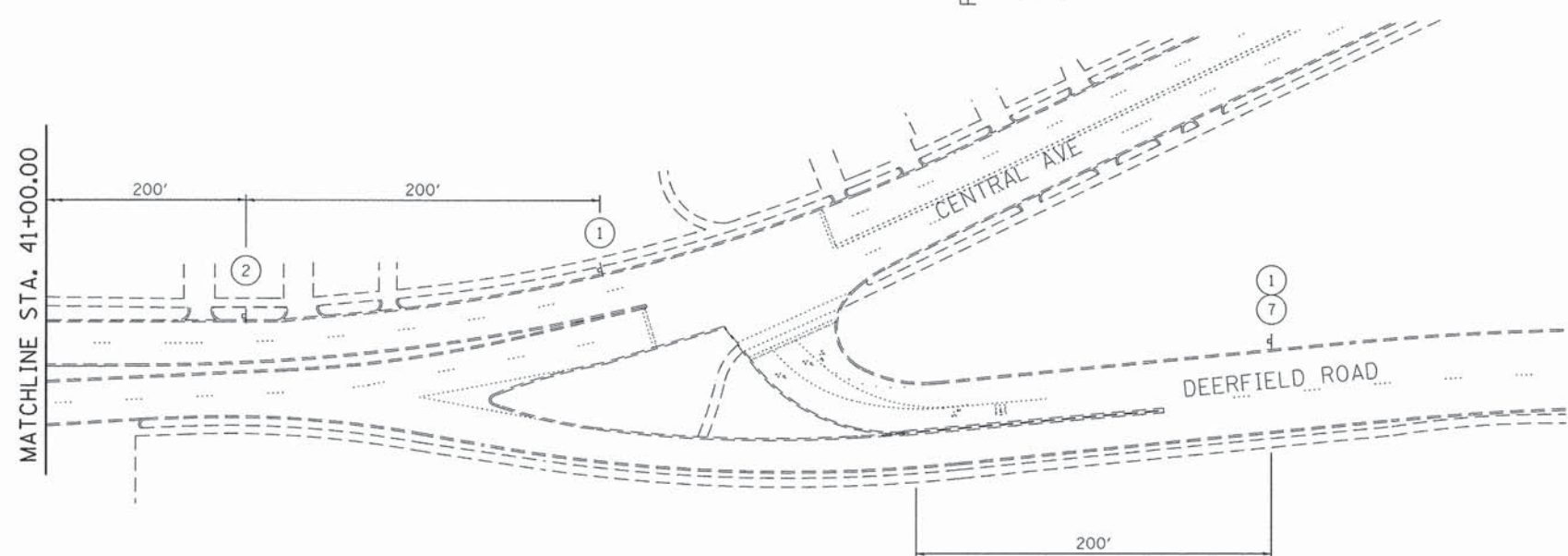
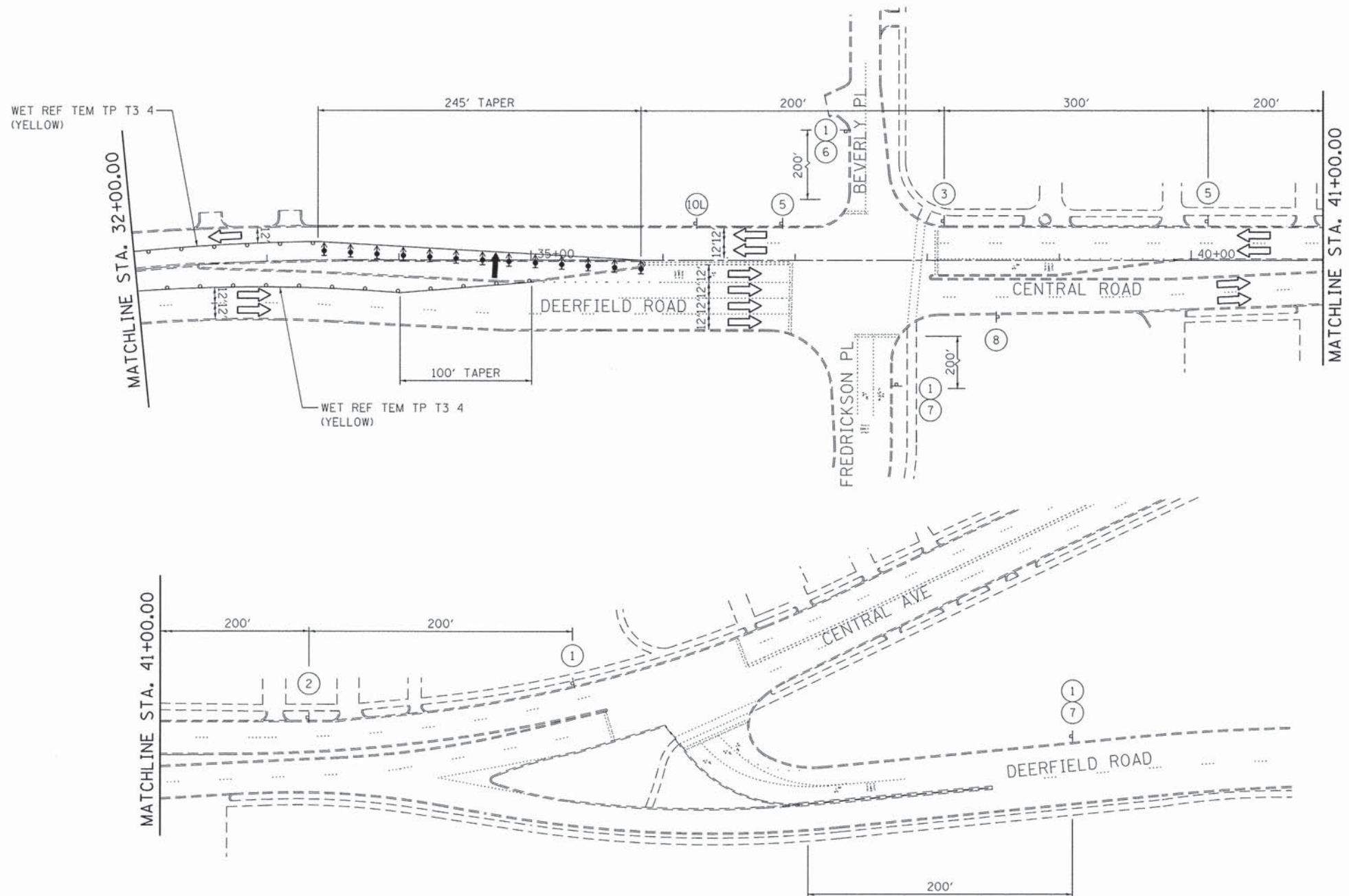
**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**FAU ROUTE 1257 (DEERFIELD ROAD) MAINTENANCE OF TRAFFIC - STAGE III**

SCALE:	SHEET NO. OF SHEETS	STA. TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	352
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

CONTRACT NO. 63882



NOTES:

1. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED ALONG ALL TEMPORARY PAVEMENT MARKINGS IN ACCORDANCE WITH DISTRICT ONE DETAIL TC11.
- MUST BE REMOVED WHEN FLAGGER OR WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR



W20-1103(O)-48

1



W20-7(O)-48

OR



W21-1(O)-48



W20-5L(O)-48

2



W21-1(O)-48

3



W2-1115(O)-361B

R2-1-3648

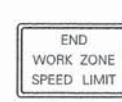
PHOTO ENFORCED

R10-1108P-3618

R2-1106-3618

W20-1103(O)-48

5



G20-1103(O)-6036

8



M6-1(O)-2115

6



M6-1(O)-2115

7



W4-2L(O)-48

10L

W4-2R(O)-48

10R

W6-3(O)-48

9



W1-4R(O)-48

30 MPH

W13-1(O)-2424

11

W1-4L(O)-48

30 MPH

W13-1(O)-2424

12

- TEMPORARY PAVEMENT
- WORK AREA
- DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 50' C-C OR AS NOTED BELOW) DEVICES IN TAPER (25' C-C) DEVICES IN RADII (10' C-C)
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 2
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 20' C-C)
- TYPE III BARRICADE W/ 2 FLASHING BEACONS (NO. OF BARRICADES AS DIRECTED BY THE ENGINEER)
- PORTABLE CHANGEABLE MESSAGE SIGN

FILE NAME = RFILES

**COLLINS ENGINEERS**

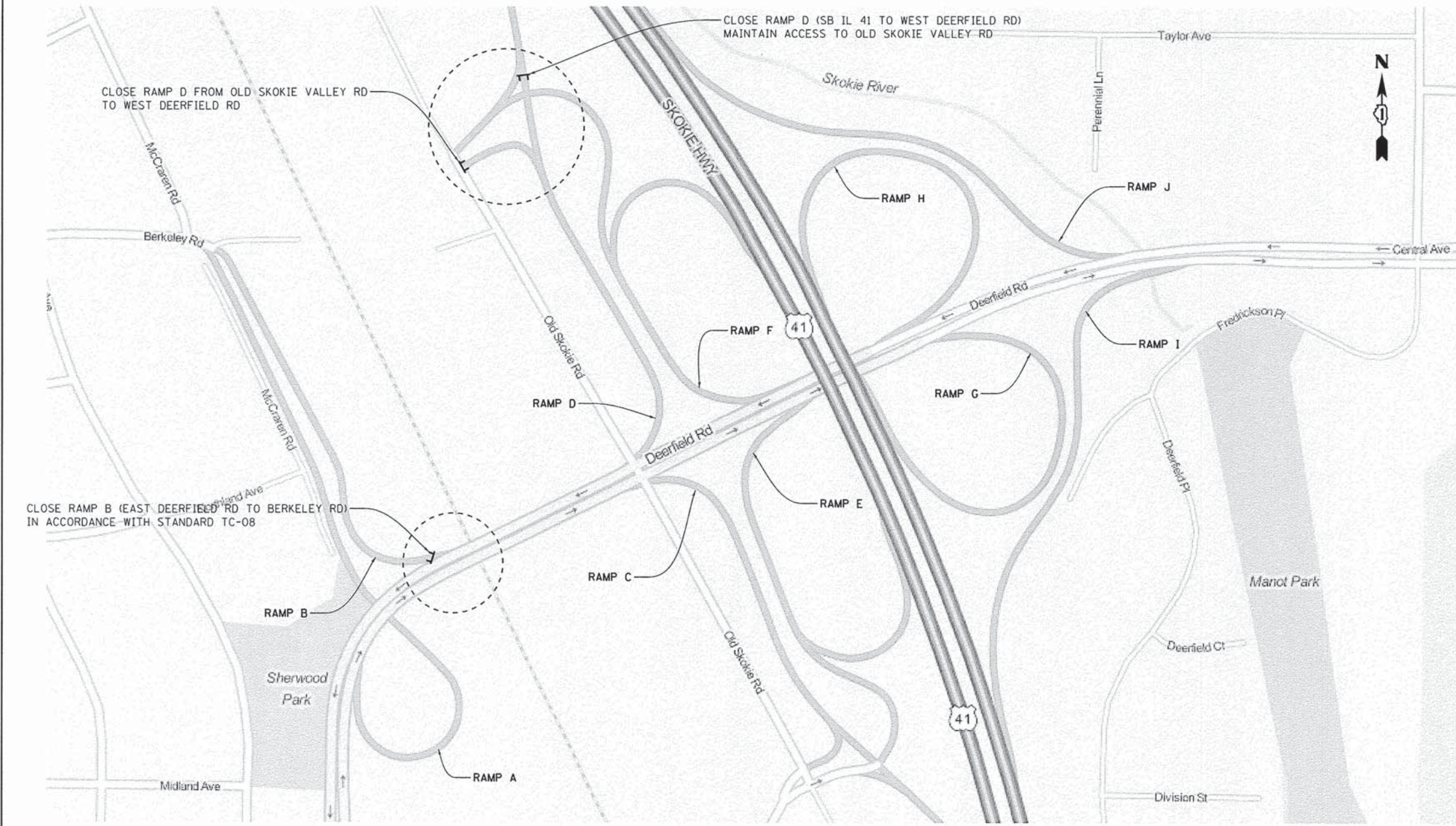
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PLOT SCALE = 50,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 9/1/2015	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

FAU ROUTE 1257 (DEERFIELD ROAD)  
MAINTENANCE OF TRAFFIC - STAGE III

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	353
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
CONTRACT NO. 63882				



KEY MAP

FILE NAME = #FILES

**COLLINS ENGINEERS**

USER NAME = rgs11	DESIGNED -	REVISED -
PLOT SCALE = 50.00' / 1" =	DRAWN -	REVISED -
PLOT DATE = 9/1/2015	CHECKED -	REVISED -
	DATE -	REVISED -

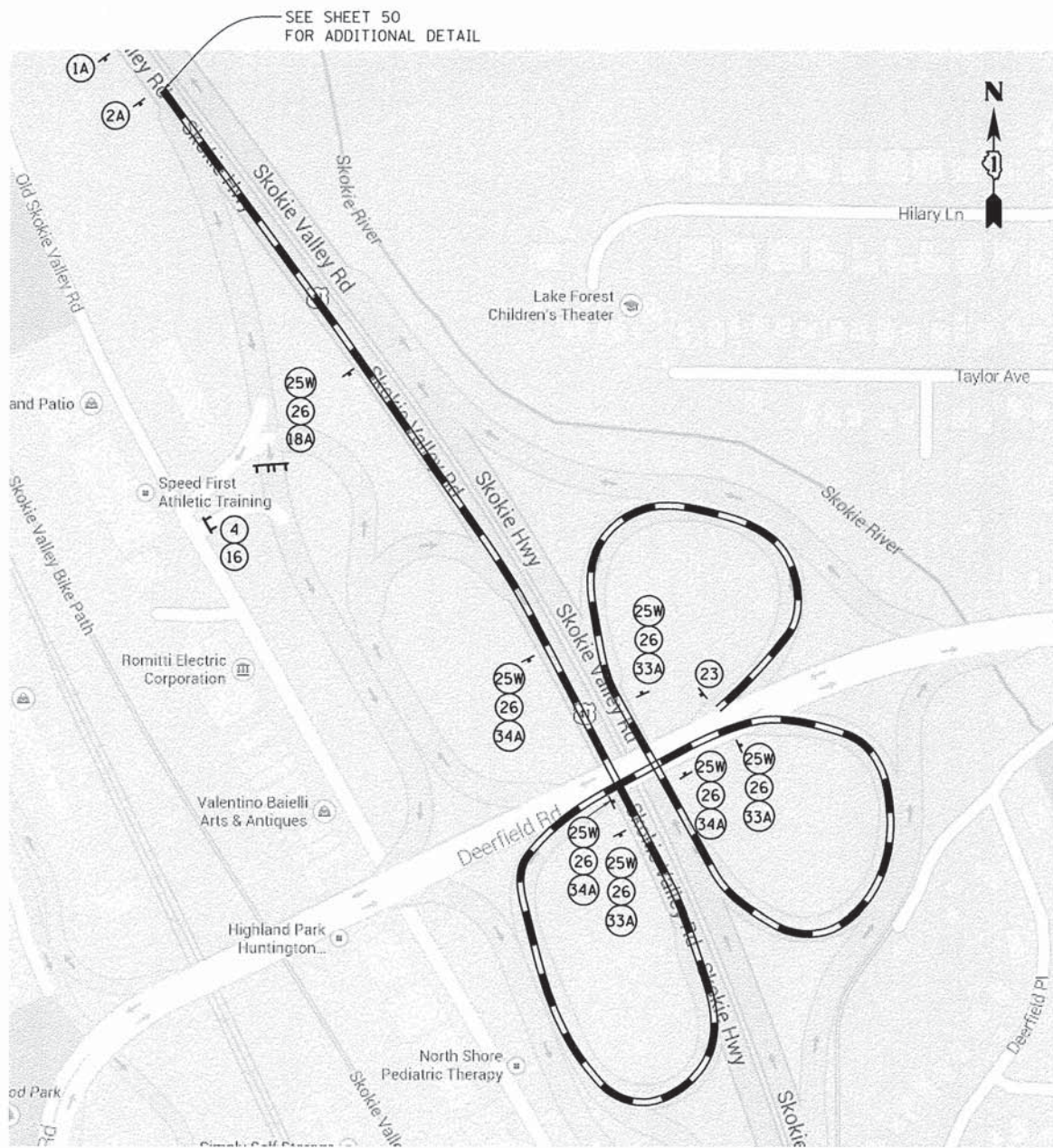
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FAU ROUTE 1257 (DEERFIELD ROAD)  
DETOUR  
STAGE 1 - SUBSTAGE A**

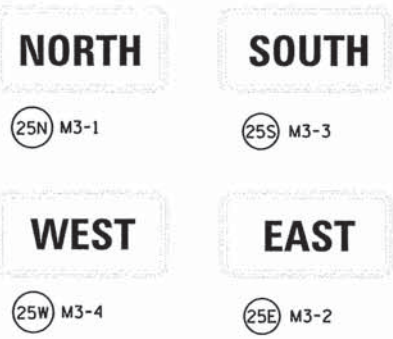
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	354
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				

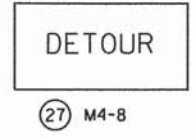
CONTRACT NO. 63882



**CARDINAL DIRECTION SIGNS**  
 CONVENTIONAL ROAD SIGN SIZE (24x12)  
 EXPRESSWAY SIGN SIZE (30x21)



**DETOUR SIGN**  
 CONVENTIONAL ROAD SIGN SIZE (24x12)  
 EXPRESSWAY SIGN SIZE (30x15)



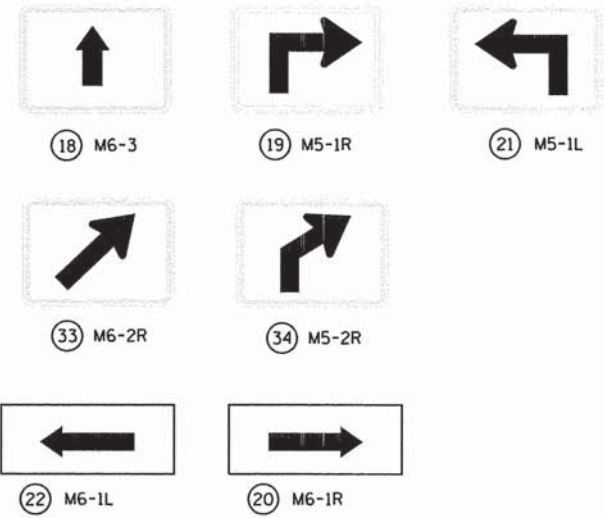
**END DETOUR SIGN**  
 CONVENTIONAL ROAD SIGN SIZE (24x18)  
 EXPRESSWAY SIGN SIZE (24x18)



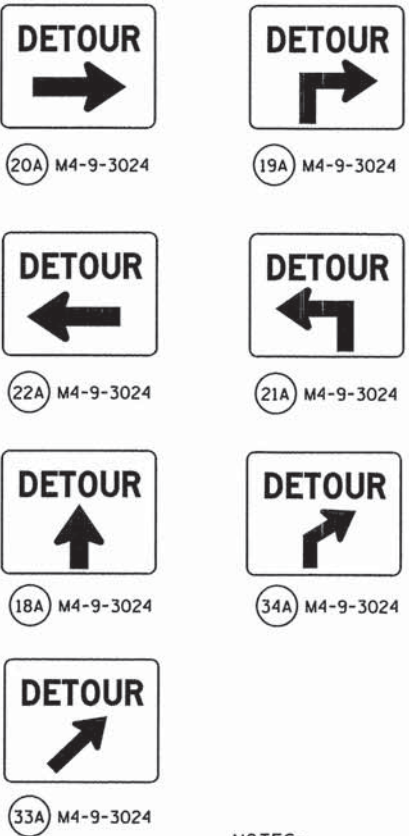
**ROUTE SHIELD**  
 CONVENTIONAL ROAD SIGN SIZE (24x24)  
 EXPRESSWAY SIGN SIZE (36x36)



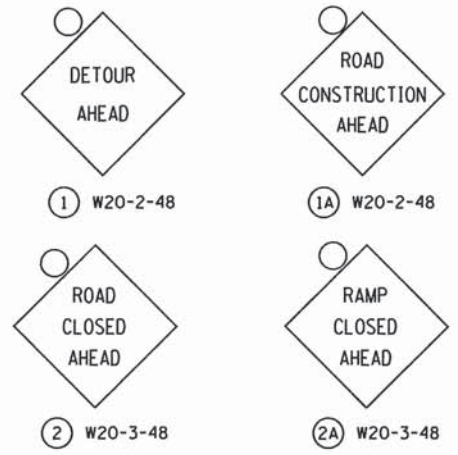
**ADVANCE TURN ARROW SIGNS**  
 CONVENTIONAL ROAD SIGN SIZE (21x15)  
 EXPRESSWAY SIGN SIZE (30x21)



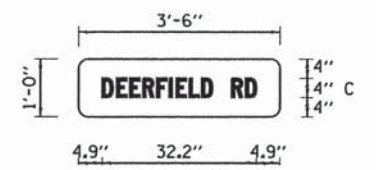
**DETOUR SIGNAGE**  
 CONVENTIONAL ROAD SIGN SIZE (30x24)  
 EXPRESSWAY SIGN SIZE (48x36)



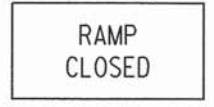
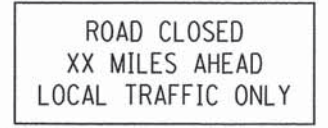
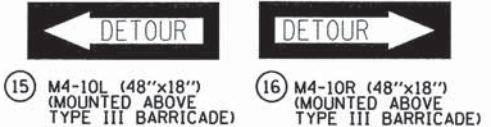
**WARNING SIGNS**



**MISCELLANEOUS SIGNS**



BORDER  
 R=1.5"  
 TH=0.63"  
 BLACK LETTERING  
 ON ORANGE BACKGROUND



- LEGEND:**
- DETOUR ROUTE
  - CONSTRUCTION ZONE
  - TYPE III BARRICADE WITH 2 FLASHING LIGHTS
  - AMBER FLASHING LIGHT

**NOTES:**

- PLACEMENT AND SPACING OF SIGNS AND BARRICADES SHALL BE IN ACCORDANCE WITH TC-21 (DETOUR SIGNING FOR CLOSING STATE HIGHWAYS) AND TC-08 (FREEWAY ENTRANCE AND EXIT RAMP CLOSURE DETAILS).
- THE COST OF SUPPLYING, ERECTING AND MAINTAINING BARRICADES, WARNING LIGHTS AND ALL SIGNS, INCLUDING SIGN PANEL OVERLAYS AND TRAFFIC CONTROL AND PROTECTION REQUIRED UNDER DISTRICT 1 DETAILS TC-08 AND TC-17 SHALL BE INCLUDED IN THE CONTRACT COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
- ACCESS TO ALL PRIVATE ENTRANCES SHALL BE MAINTAINED.

FILE NAME = #FILE#

**COLLINS ENGINEERS**

USER NAME = rgo11	DESIGNED -	REVISED -
PLOT SCALE = 50.00' / in.	DRAWN -	REVISED -
PLOT DATE = 9/1/2015	CHECKED -	REVISED -
	DATE -	REVISED -

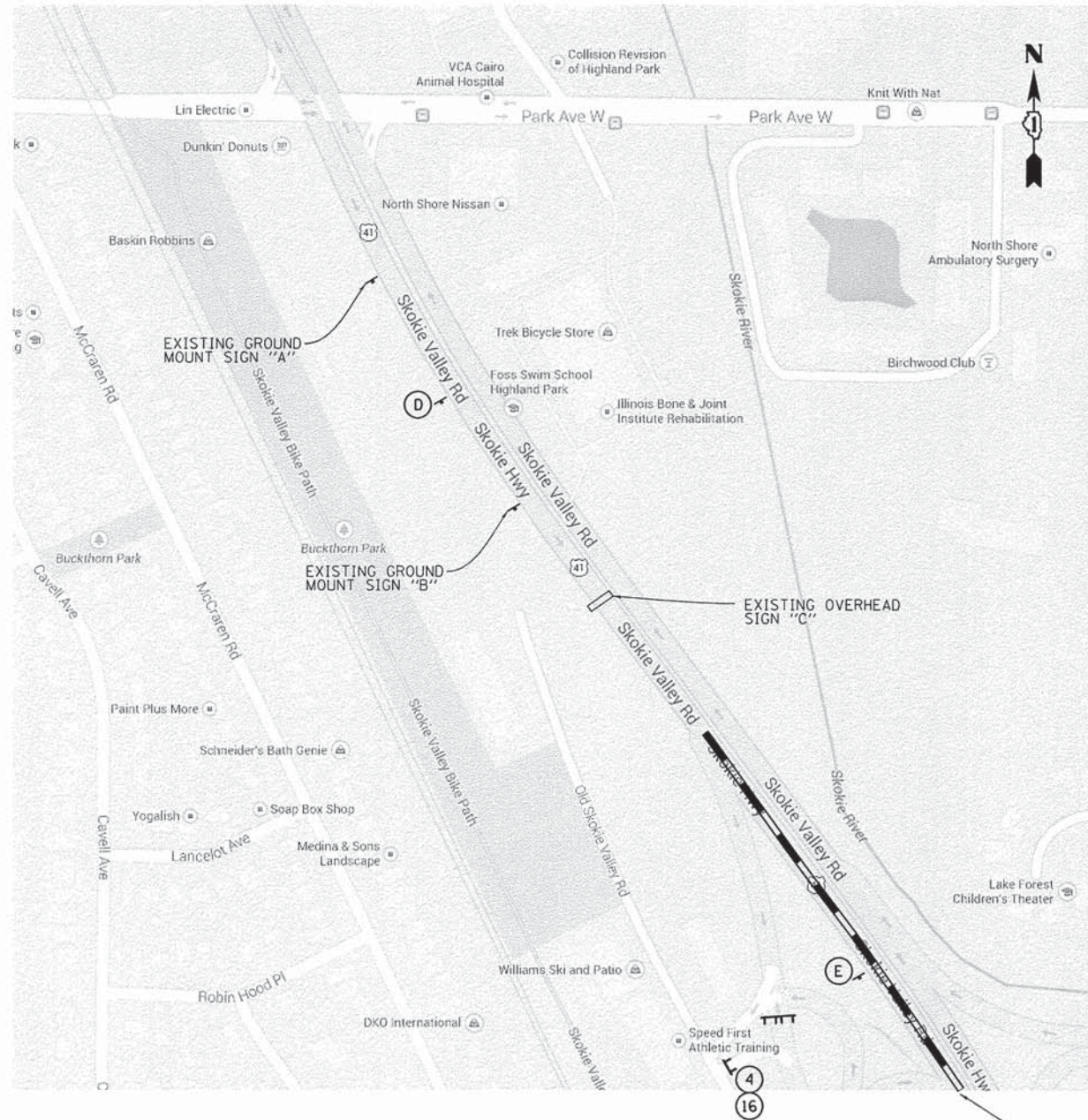
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**FAU ROUTE 1257 (DEERFIELD ROAD)  
 DETOUR  
 STAGE 1 - SUBSTAGE A**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 355
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

CONTRACT NO. 63882



SEE SHEET 49 FOR ADDITIONAL DETAIL

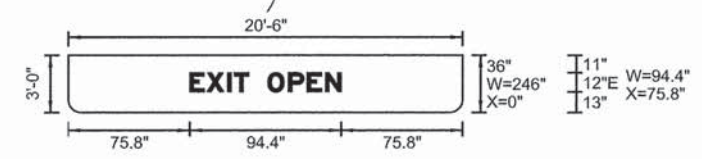
INSTALL "RAMP CLOSED" PANEL ON DIAGONAL. SEE DISTRICT DETAIL TC-08 FOR PANEL DETAILS.

**RAMP CLOSED**



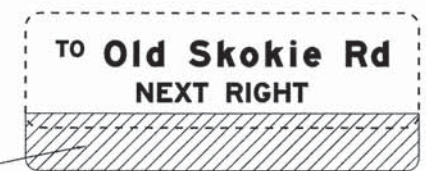
EXISTING SIGN (C)

CONTRACTOR SHALL FIELD VERIFY SIGN DIMENSIONS PRIOR TO FABRICATING SIGN PANELS



PROPOSED SIGN (F)

INSTALL "EXIT OPEN" PANEL BELOW EXISTING SIGN.



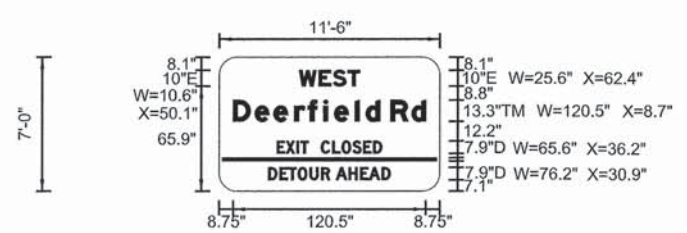
EXISTING SIGN (B)

INSTALL "RAMP CLOSED" PANEL ON DIAGONAL. SEE DISTRICT DETAIL TC-08 FOR PANEL DETAILS.

**RAMP CLOSED**



EXISTING SIGN (A)



BORDER R=9"

TH=1.5"  
BLACK LETTERING ON ORANGE BACKGROUND

PROPOSED SIGN (D)



BORDER R=9"

TH=1.5"  
BLACK LETTERING ON ORANGE BACKGROUND

PROPOSED SIGN (E)

LEGEND:

- DETOUR ROUTE
- CONSTRUCTION ZONE
- TYPE III BARRICADE WITH 2 FLASHING LIGHTS
- AMBER FLASHING LIGHT

NOTES:

1. PLACEMENT AND SPACING OF SIGNS AND BARRICADES SHALL BE IN ACCORDANCE WITH TC-21 (DETOUR SIGNING FOR CLOSING STATE HIGHWAYS) AND TC-08 (FREEWAY ENTRANCE AND EXIT RAMP CLOSURE DETAILS).
2. THE COST OF SUPPLYING, ERECTING AND MAINTAINING BARRICADES, WARNING LIGHTS AND ALL SIGNS, INCLUDING SIGN PANEL OVERLAYS AND TRAFFIC CONTROL AND PROTECTION REQUIRED UNDER DISTRICT 1 DETAILS TC-08 AND TC-17 SHALL BE INCLUDED IN THE CONTRACT COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
3. ACCESS TO ALL PRIVATE ENTRANCES SHALL BE MAINTAINED.

FILE NAME = #FILES

**COLLINS ENGINEERS**

USER NAME = rgo11  
PLOT SCALE = 50.00' / 1" =  
PLOT DATE = 9/1/2015

DESIGNED -  
DRAWN -  
CHECKED -  
DATE -

REVISED -  
REVISED -  
REVISED -  
REVISED -

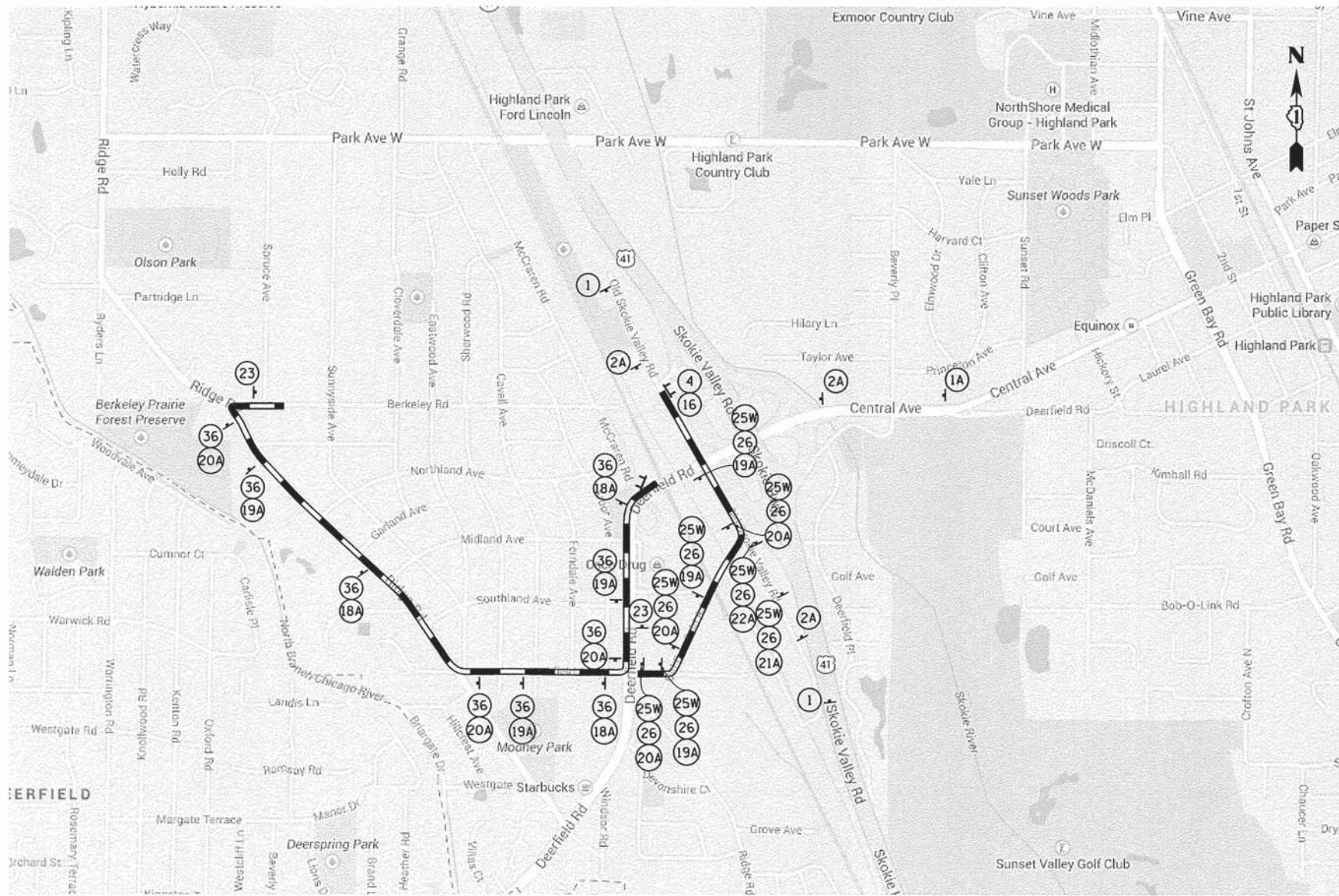
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

FAU ROUTE 1257 (DEERFIELD ROAD)  
DETOUR  
STAGE 1 - SUBSTAGE A

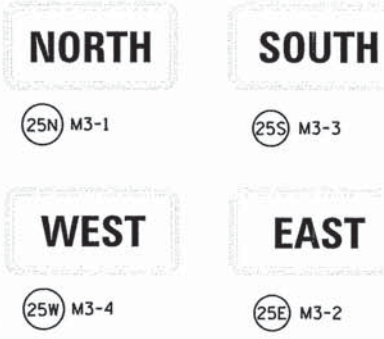
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	356
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63882	

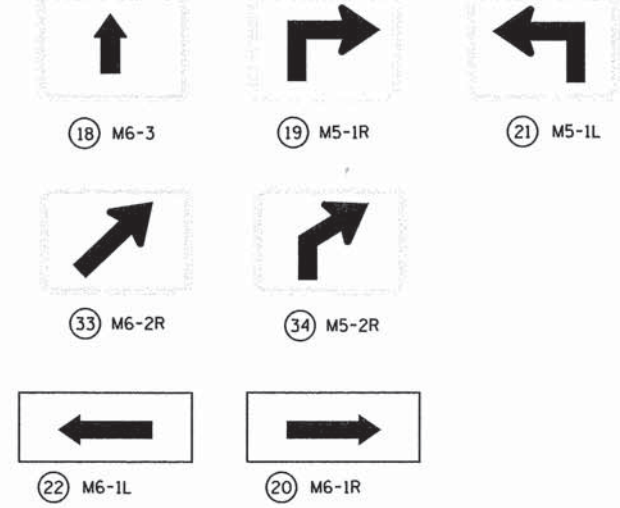




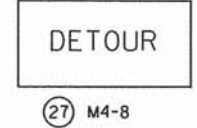
**CARDINAL DIRECTION SIGNS**  
 CONVENTIONAL ROAD SIGN SIZE (24x12)  
 EXPRESSWAY SIGN SIZE (30x21)



**ADVANCE TURN ARROW SIGNS**  
 CONVENTIONAL ROAD SIGN SIZE (21x15)  
 EXPRESSWAY SIGN SIZE (30x21)



**DETOUR SIGN**  
 CONVENTIONAL ROAD SIGN SIZE (24x12)  
 EXPRESSWAY SIGN SIZE (30x15)



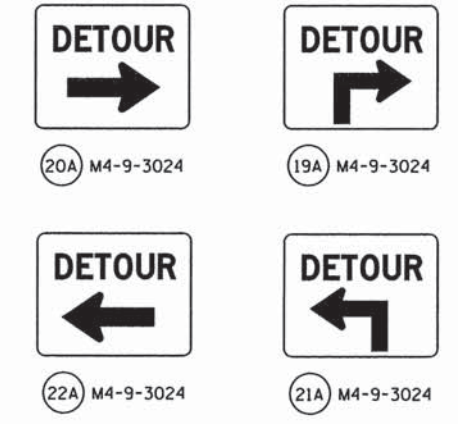
**END DETOUR SIGN**  
 CONVENTIONAL ROAD SIGN SIZE (24x18)  
 EXPRESSWAY SIGN SIZE (24x18)



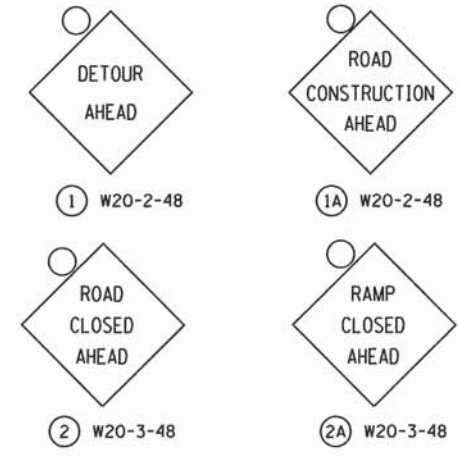
**ROUTE SHIELD**  
 CONVENTIONAL ROAD SIGN SIZE (24x24)  
 EXPRESSWAY SIGN SIZE (36x36)



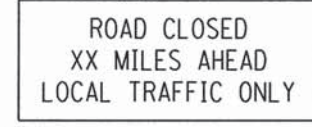
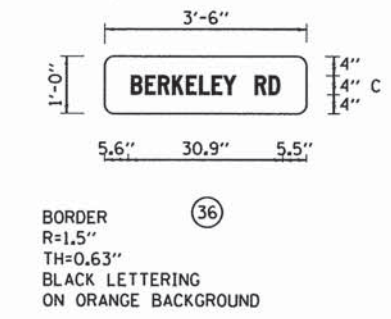
**DETOUR SIGNAGE**  
 CONVENTIONAL ROAD SIGN SIZE (30x24)  
 EXPRESSWAY SIGN SIZE (48x36)



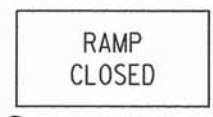
**WARNING SIGNS**



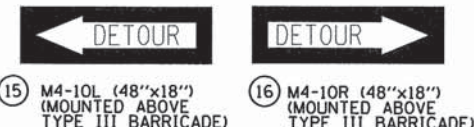
**MISCELLANEOUS SIGNS**



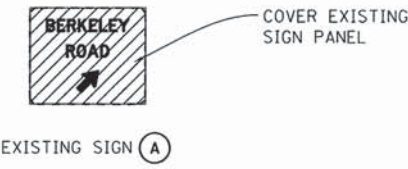
3 R11-3a (60" x 30")  
 (MOUNTED ABOVE TYPE III BARRICADE)



4 R11-2 (48" x 30")  
 (MOUNTED ABOVE TYPE III BARRICADE)



15 M4-10L (48"x18")  
 (MOUNTED ABOVE TYPE III BARRICADE)  
 16 M4-10R (48"x18")  
 (MOUNTED ABOVE TYPE III BARRICADE)



**LEGEND:**

- DETOUR ROUTE
- CONSTRUCTION ZONE
- TYPE III BARRICADE WITH 2 FLASHING LIGHTS
- AMBER FLASHING LIGHT

**NOTES:**

- PLACEMENT AND SPACING OF SIGNS AND BARRICADES SHALL BE IN ACCORDANCE WITH TC-21 (DETOUR SIGNING FOR CLOSING STATE HIGHWAYS) AND TC-08 (FREEWAY ENTRANCE AND EXIT RAMP CLOSURE DETAILS).
- THE COST OF SUPPLYING, ERECTING AND MAINTAINING BARRICADES, WARNING LIGHTS AND ALL SIGNS, INCLUDING SIGN PANEL OVERLAYS AND TRAFFIC CONTROL AND PROTECTION REQUIRED UNDER DISTRICT 1 DETAILS TC-08 AND TC-17 SHALL BE INCLUDED IN THE CONTRACT COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
- ACCESS TO ALL PRIVATE ENTRANCES SHALL BE MAINTAINED.

FILE NAME = 8FILES

**COLLINS ENGINEERS**

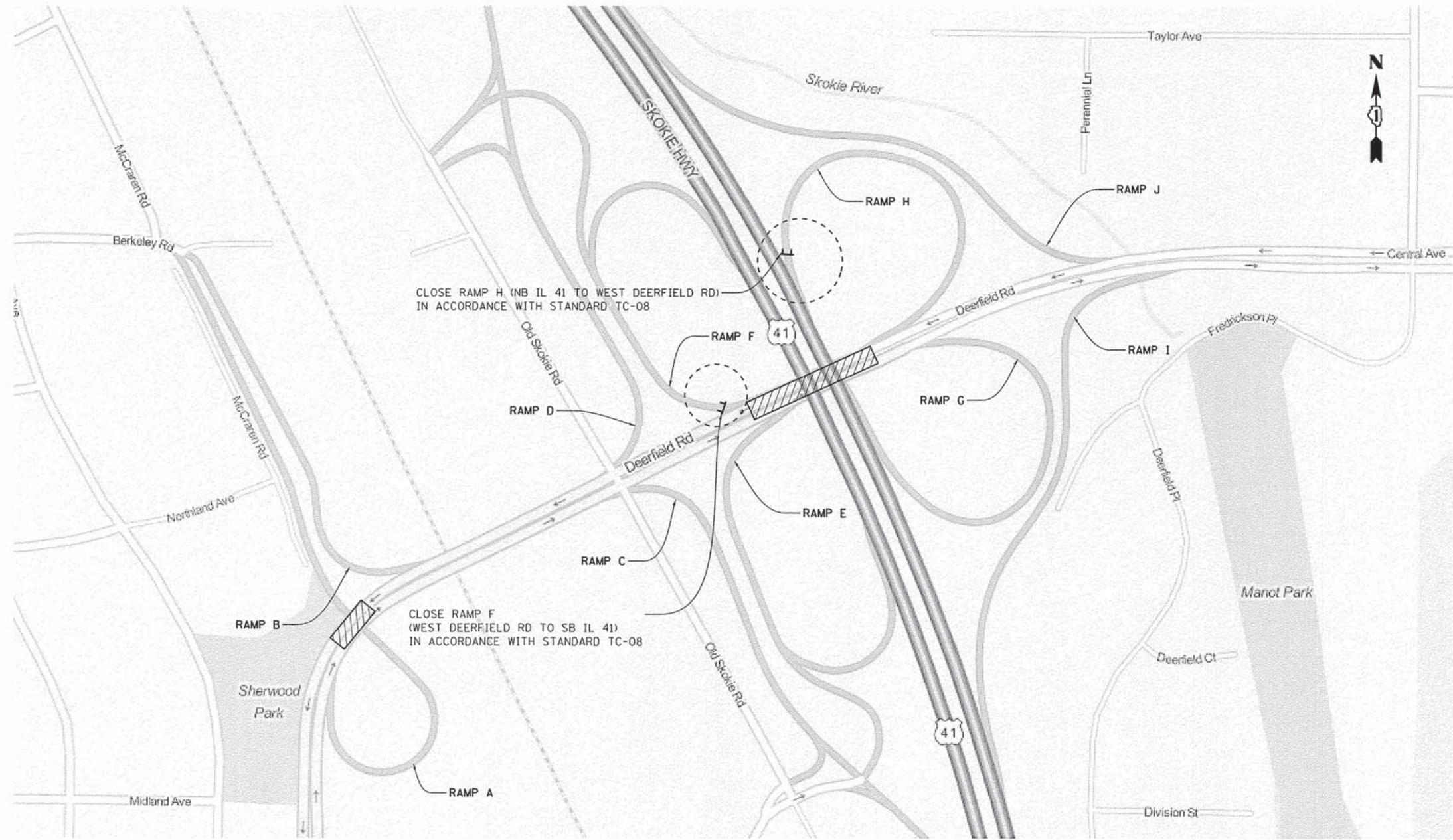
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PLOT SCALE = 50.00' / in.	DRAWN -	REVISED -
PLOT DATE = 9/1/2015	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**FAU ROUTE 1257 (DEERFIELD ROAD)  
 DETOUR  
 STAGE 1 - SUBSTAGE A**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 357
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT CONTRACT NO. 63882				



CLOSE RAMP H (NB IL 41 TO WEST DEERFIELD RD)  
IN ACCORDANCE WITH STANDARD TC-08

CLOSE RAMP F (WEST DEERFIELD RD TO SB IL 41)  
IN ACCORDANCE WITH STANDARD TC-08

**KEY MAP**

FILE NAME = #FILES

**COLLINS ENGINEERS INC.**

USER NAME = r9011  
 PLOT SCALE = 50.00' / in.  
 PLOT DATE = 9/1/2015

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

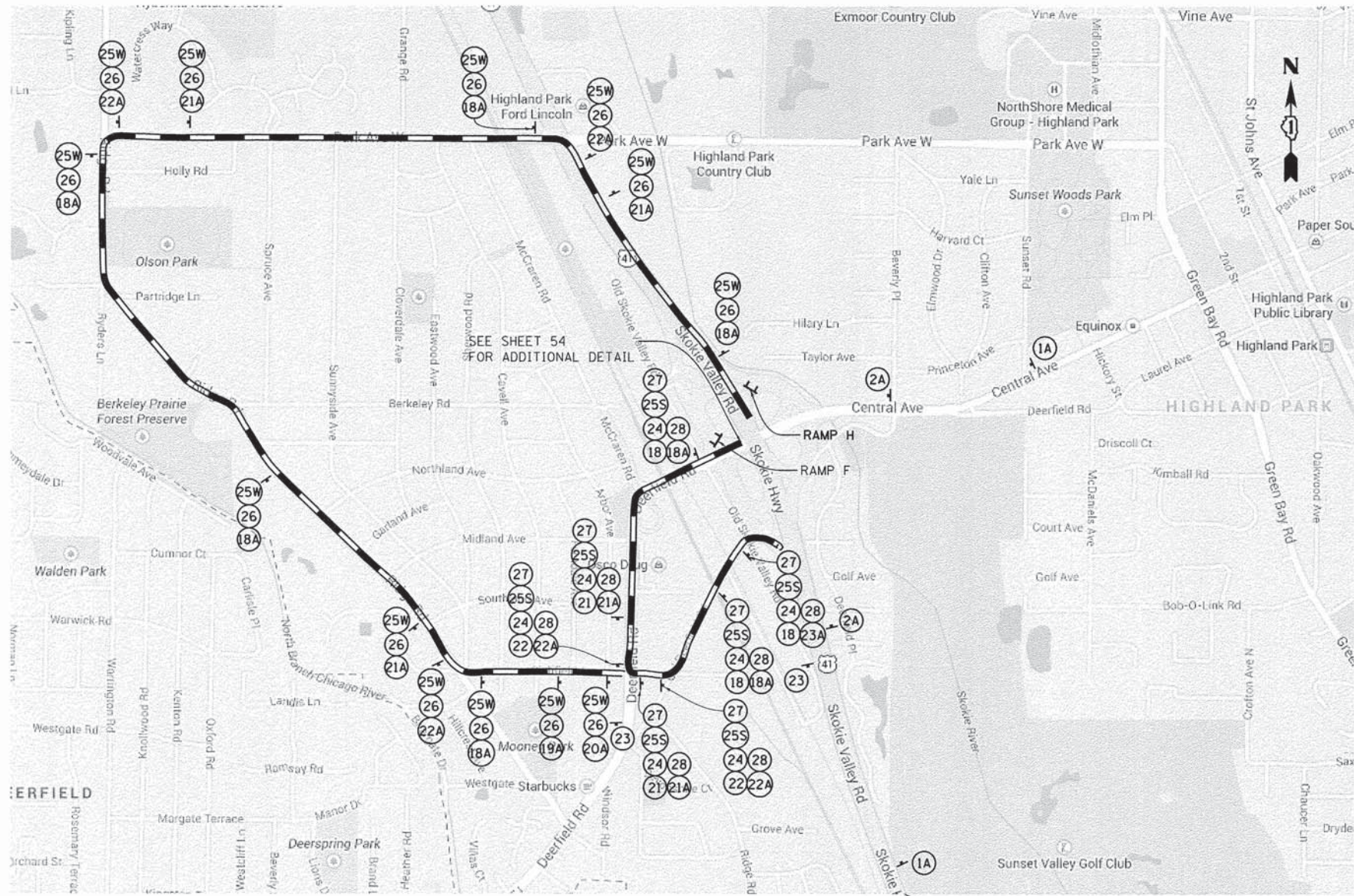
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**FAU ROUTE 1257 (DEERFIELD ROAD)  
 DETOUR  
 STAGE 1 - SUBSTAGE B**

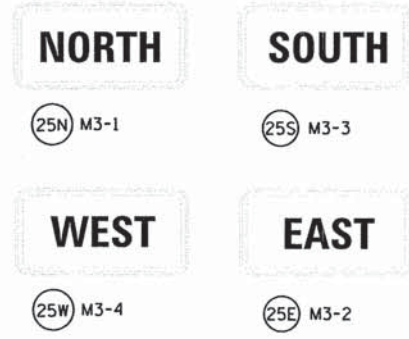
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	358
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				

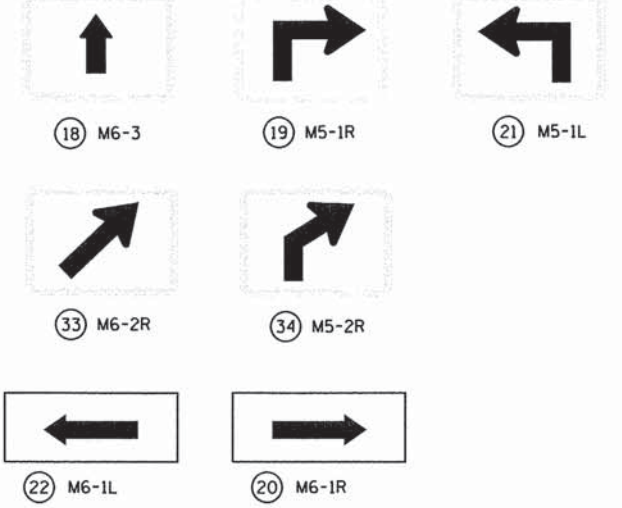
**CONTRACT NO. 63882**



**CARDINAL DIRECTION SIGNS**  
 CONVENTIONAL ROAD SIGN SIZE (24x12)  
 EXPRESSWAY SIGN SIZE (30x21)



**ADVANCE TURN ARROW SIGNS**  
 CONVENTIONAL ROAD SIGN SIZE (21x15)  
 EXPRESSWAY SIGN SIZE (30x21)



**DETOUR SIGN**  
 CONVENTIONAL ROAD SIGN SIZE (24x12)  
 EXPRESSWAY SIGN SIZE (30x15)



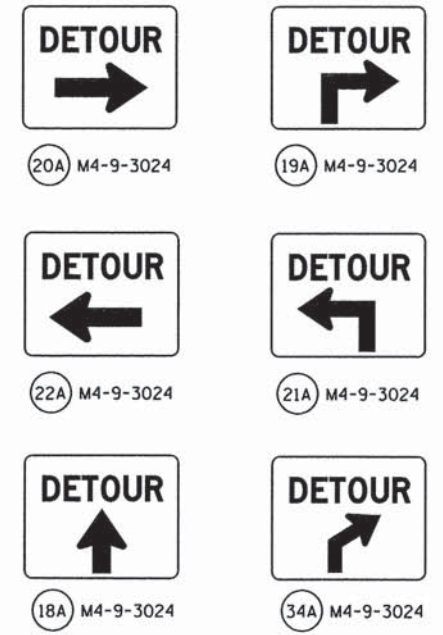
**END DETOUR SIGN**  
 CONVENTIONAL ROAD SIGN SIZE (24x18)  
 EXPRESSWAY SIGN SIZE (24x18)



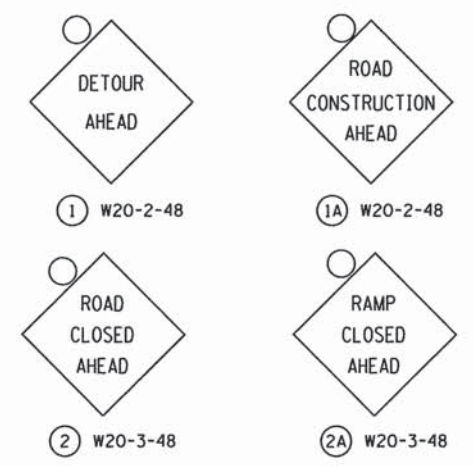
**ROUTE SHIELD**  
 CONVENTIONAL ROAD SIGN SIZE (24x24)  
 EXPRESSWAY SIGN SIZE (36x36)



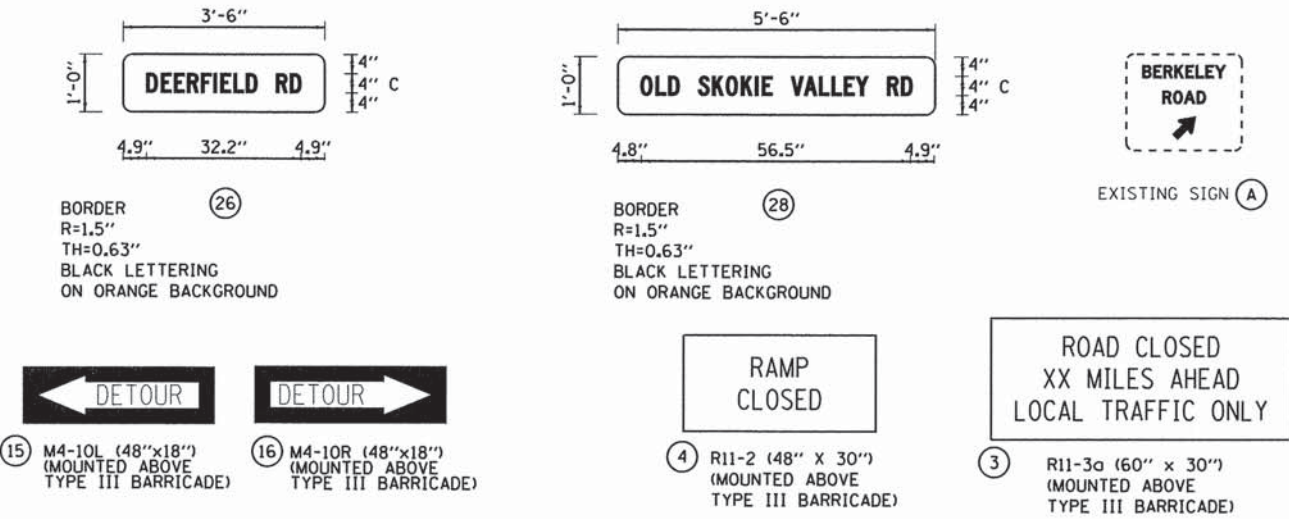
**DETOUR SIGNAGE**  
 CONVENTIONAL ROAD SIGN SIZE (30x24)  
 EXPRESSWAY SIGN SIZE (48x36)



**WARNING SIGNS**



**MISCELLANEOUS SIGNS**



**LEGEND:**

- DETOUR ROUTE
- CONSTRUCTION ZONE
- TYPE III BARRICADE WITH 2 FLASHING LIGHTS
- AMBER FLASHING LIGHT

**NOTES:**

- PLACEMENT AND SPACING OF SIGNS AND BARRICADES SHALL BE IN ACCORDANCE WITH TC-21 (DETOUR SIGNING FOR CLOSING STATE HIGHWAYS) AND TC-08 (FREEWAY ENTRANCE AND EXIT RAMP CLOSURE DETAILS).
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- ACCESS TO ALL PRIVATE ENTRANCES SHALL BE MAINTAINED.

FILE NAME = #FILES

**COLLINS ENGINEERS**

USER NAME = rgo11  
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 PLOT DATE = 9/1/2015

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

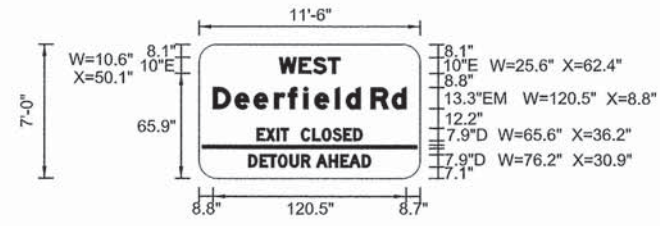
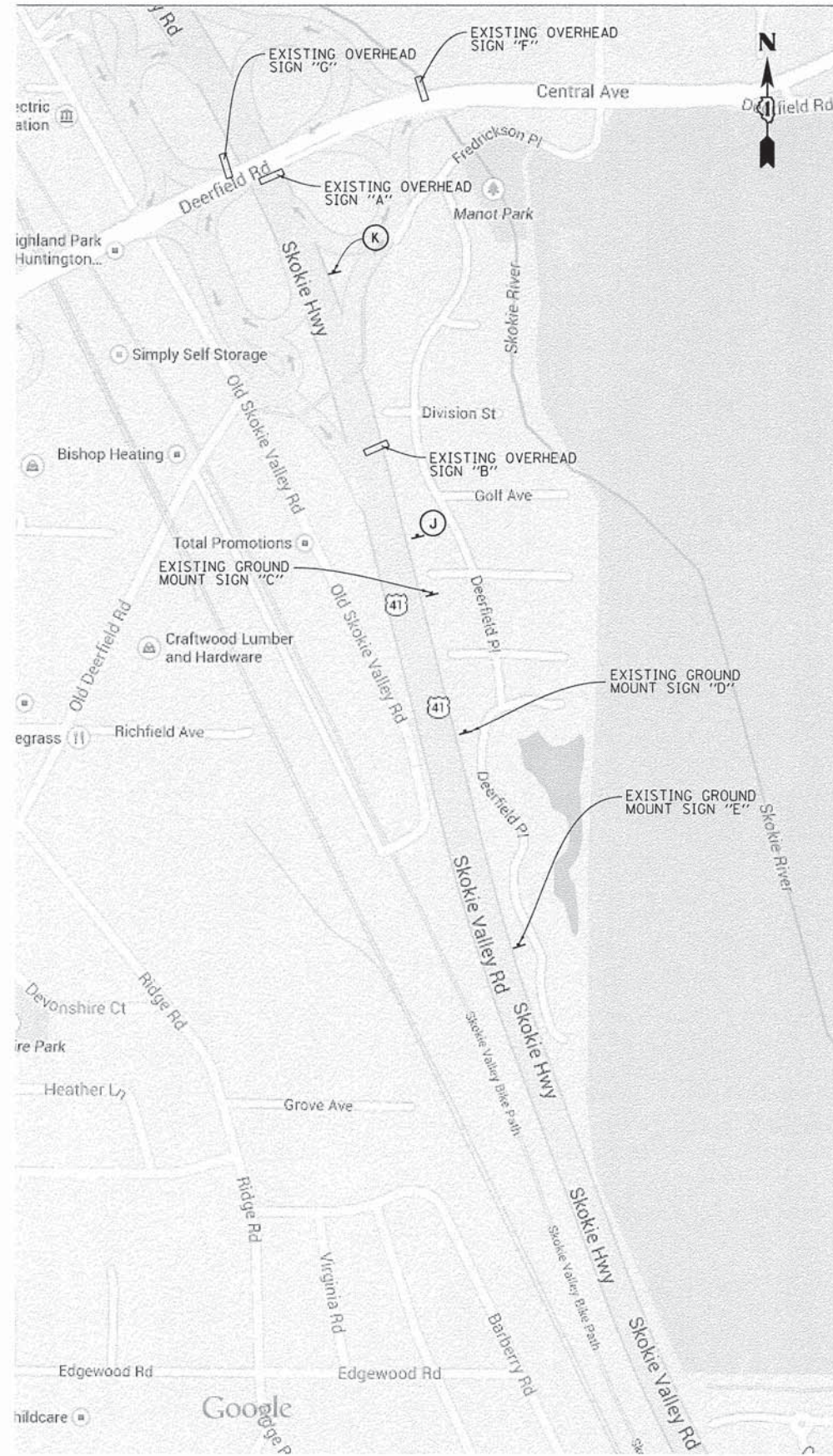
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**FAU ROUTE 1257 (DEERFIELD ROAD)  
 DETOUR  
 STAGE 1 - SUBSTAGE B**

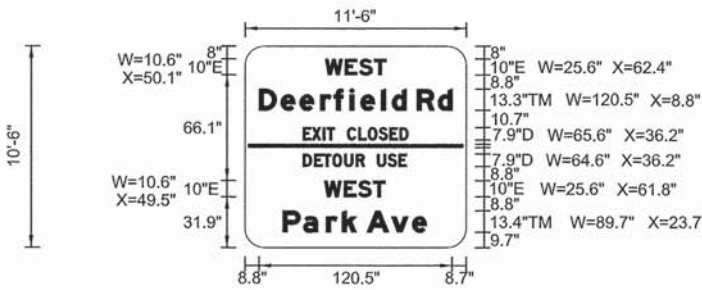
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	359
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

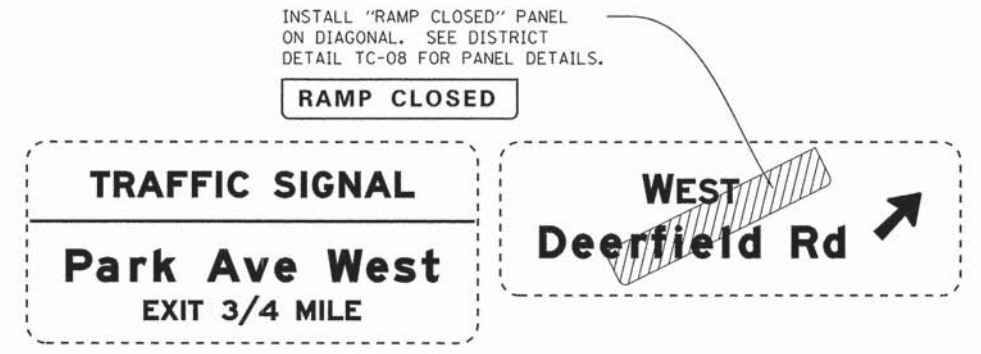
CONTRACT NO. 63882



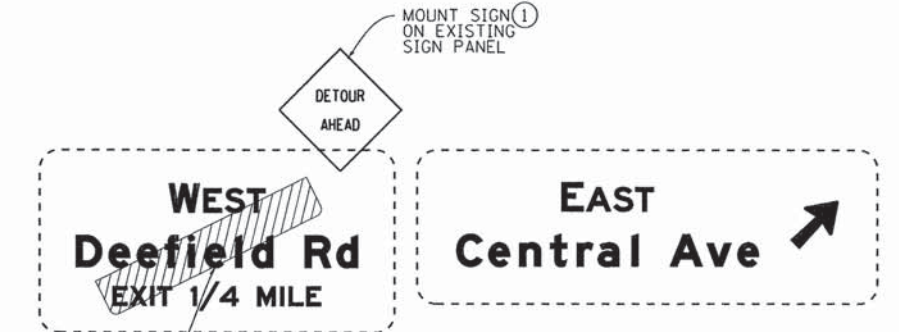
BORDER  
R=9"  
TH=1.5"  
BLACK LETTERING  
ON ORANGE BACKGROUND



BORDER  
R=9"  
TH=1.5"  
BLACK LETTERING  
ON ORANGE BACKGROUND



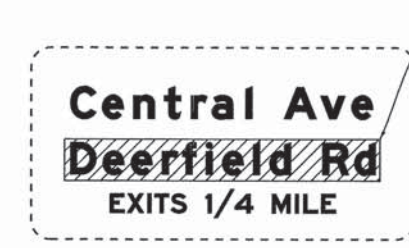
EXISTING SIGN (A)



EXISTING SIGN (B)



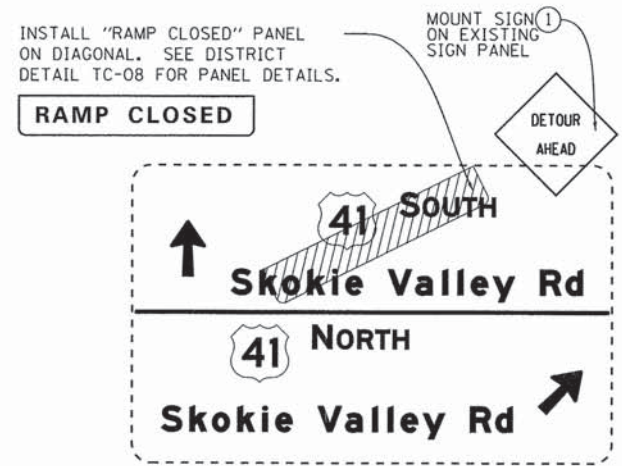
EXISTING SIGN (C)



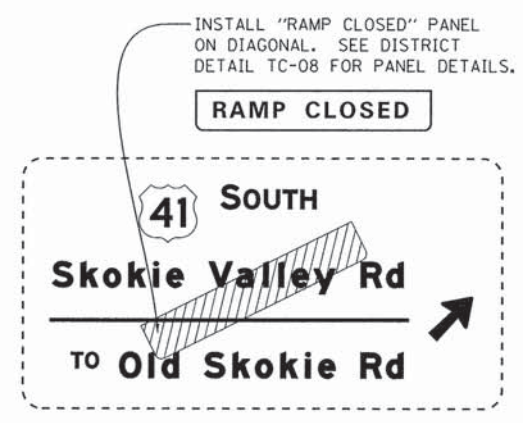
EXISTING SIGN (E)



EXISTING SIGN (D)



EXISTING SIGN (F)



EXISTING SIGN (G)

FILE NAME = #FILE#

**COLLINS ENGINEERS**

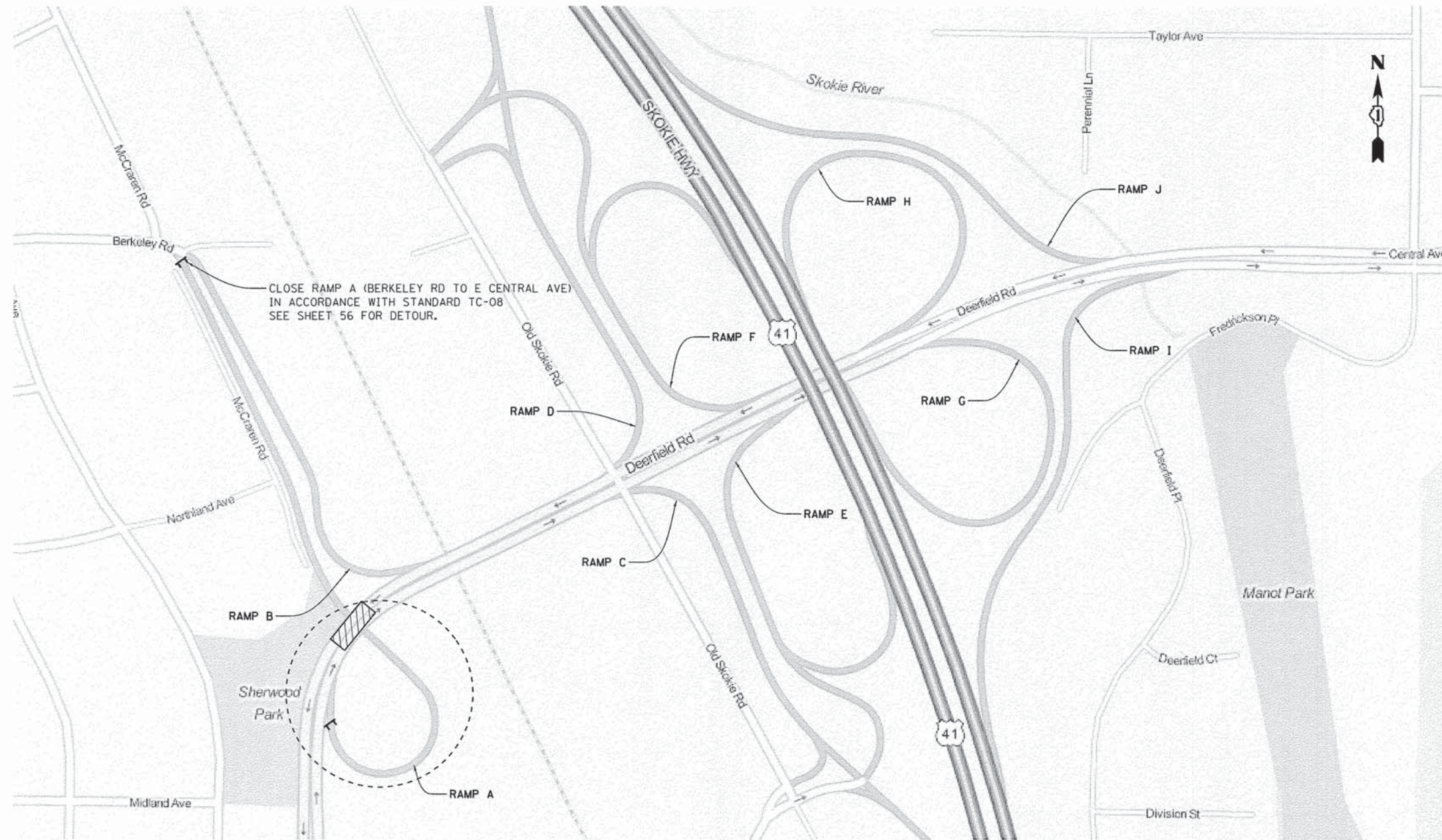
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PLOT SCALE = 50.00' / 1" =	DRAWN -	REVISED -
PLOT DATE = 9/1/2015	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

FAU ROUTE 1257 (DEERFIELD ROAD)  
DETOUR  
STAGE 1 - SUBSTAGE B

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	360
CONTRACT NO. 63882				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				



**KEY MAP**

FILE NAME = #FILE#

**COLLINS ENGINEERS INC.**

USER NAME = rgal  
 PLOT SCALE = 50.00' / 1" =  
 PLOT DATE = 9/1/2015

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

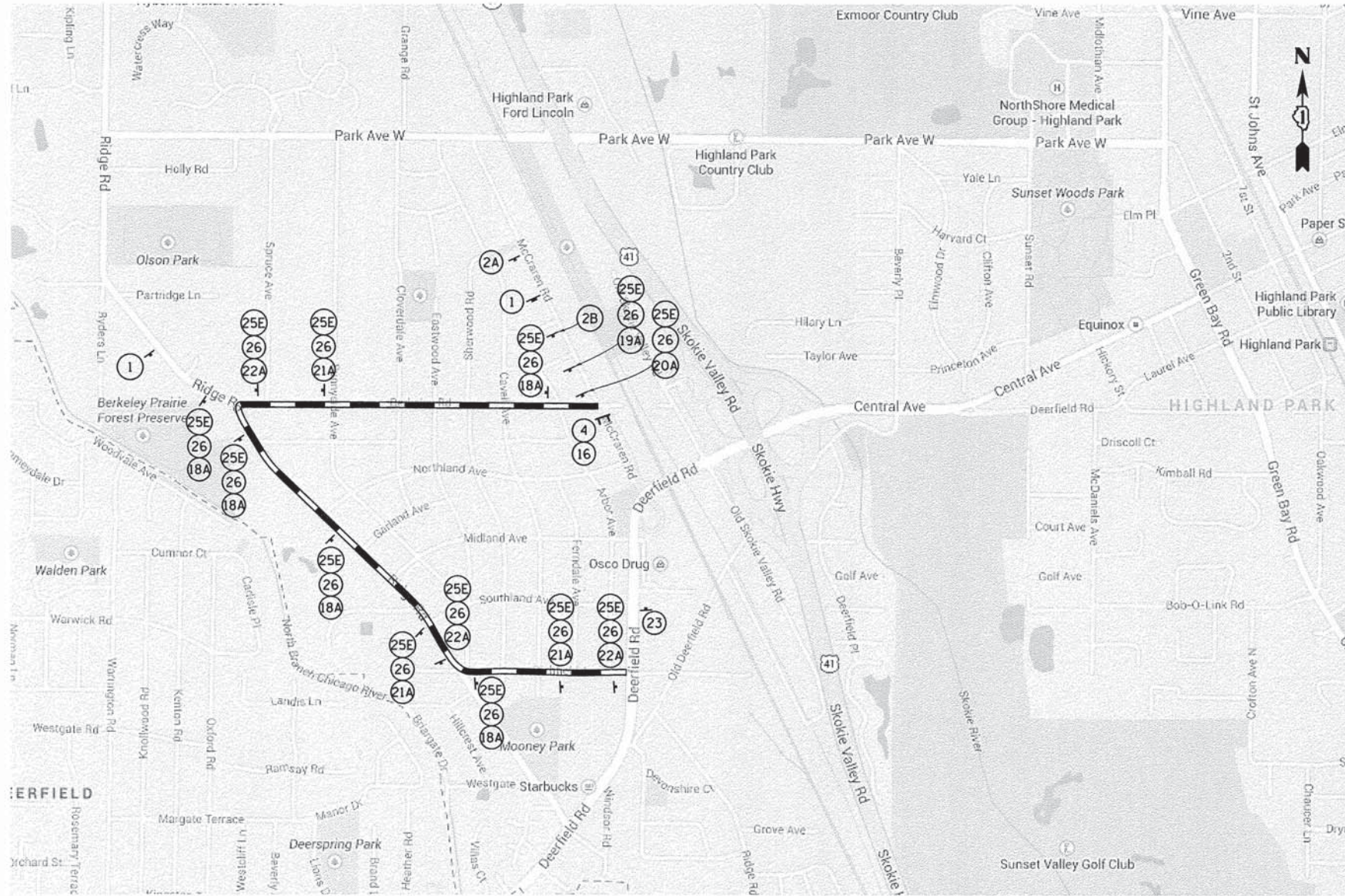
REVISED -  
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 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

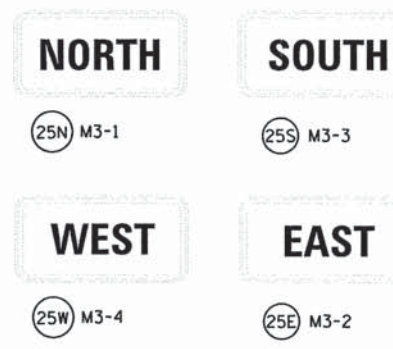
**FAU ROUTE 1257 (DEERFIELD ROAD)  
 DETOUR STAGE 2**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

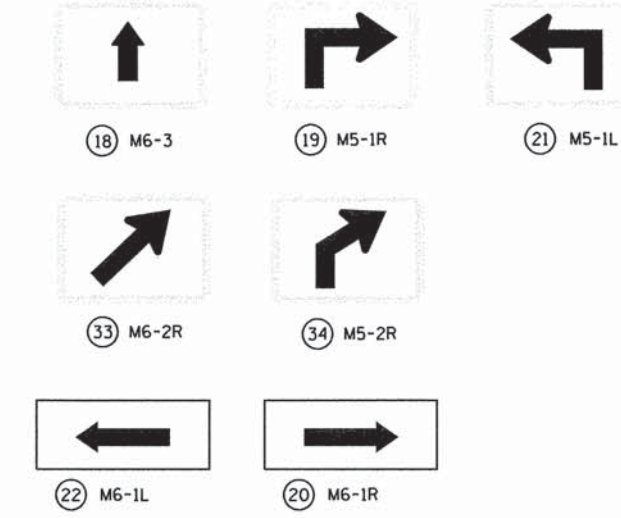
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	361
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT			CONTRACT NO. 63882	



**CARDINAL DIRECTION SIGNS**  
CONVENTIONAL ROAD SIGN SIZE (24x12)  
EXPRESSWAY SIGN SIZE (30x21)



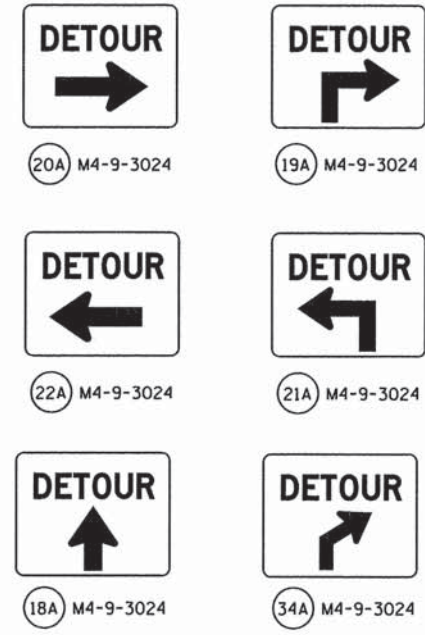
**ADVANCE TURN ARROW SIGNS**  
CONVENTIONAL ROAD SIGN SIZE (21x15)  
EXPRESSWAY SIGN SIZE (30x21)



**DETOUR SIGN**  
CONVENTIONAL ROAD SIGN SIZE (24x12)  
EXPRESSWAY SIGN SIZE (30x15)



**DETOUR SIGNAGE**  
CONVENTIONAL ROAD SIGN SIZE (30x24)  
EXPRESSWAY SIGN SIZE (48x36)



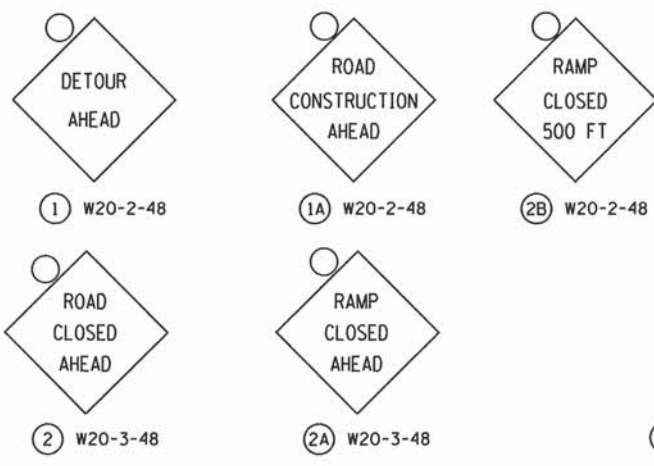
**END DETOUR SIGN**  
CONVENTIONAL ROAD SIGN SIZE (24x18)  
EXPRESSWAY SIGN SIZE (24x18)



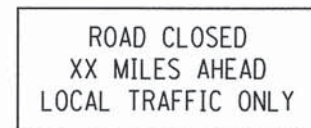
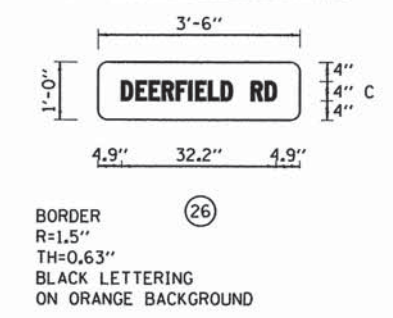
**ROUTE SHIELD**  
CONVENTIONAL ROAD SIGN SIZE (24x24)  
EXPRESSWAY SIGN SIZE (36x36)



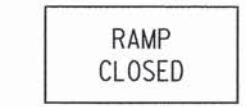
**WARNING SIGNS**



**MISCELLANEOUS SIGNS**



3) R11-3a (60" x 30")  
(MOUNTED ABOVE TYPE III BARRICADE)



4) R11-2 (48" x 30")  
(MOUNTED ABOVE TYPE III BARRICADE)

**LEGEND:**

- DETOUR ROUTE
- CONSTRUCTION ZONE
- TYPE III BARRICADE WITH 2 FLASHING LIGHTS
- AMBER FLASHING LIGHT

**NOTES:**

- PLACEMENT AND SPACING OF SIGNS AND BARRICADES SHALL BE IN ACCORDANCE WITH TC-21 (DETOUR SIGNING FOR CLOSING STATE HIGHWAYS) AND TC-08 (FREWAY ENTRANCE AND EXIT RAMP CLOSURE DETAILS).
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- ACCESS TO ALL PRIVATE ENTRANCES SHALL BE MAINTAINED.

FILE NAME = #FILES

**COLLINS ENGINEERS INC.**

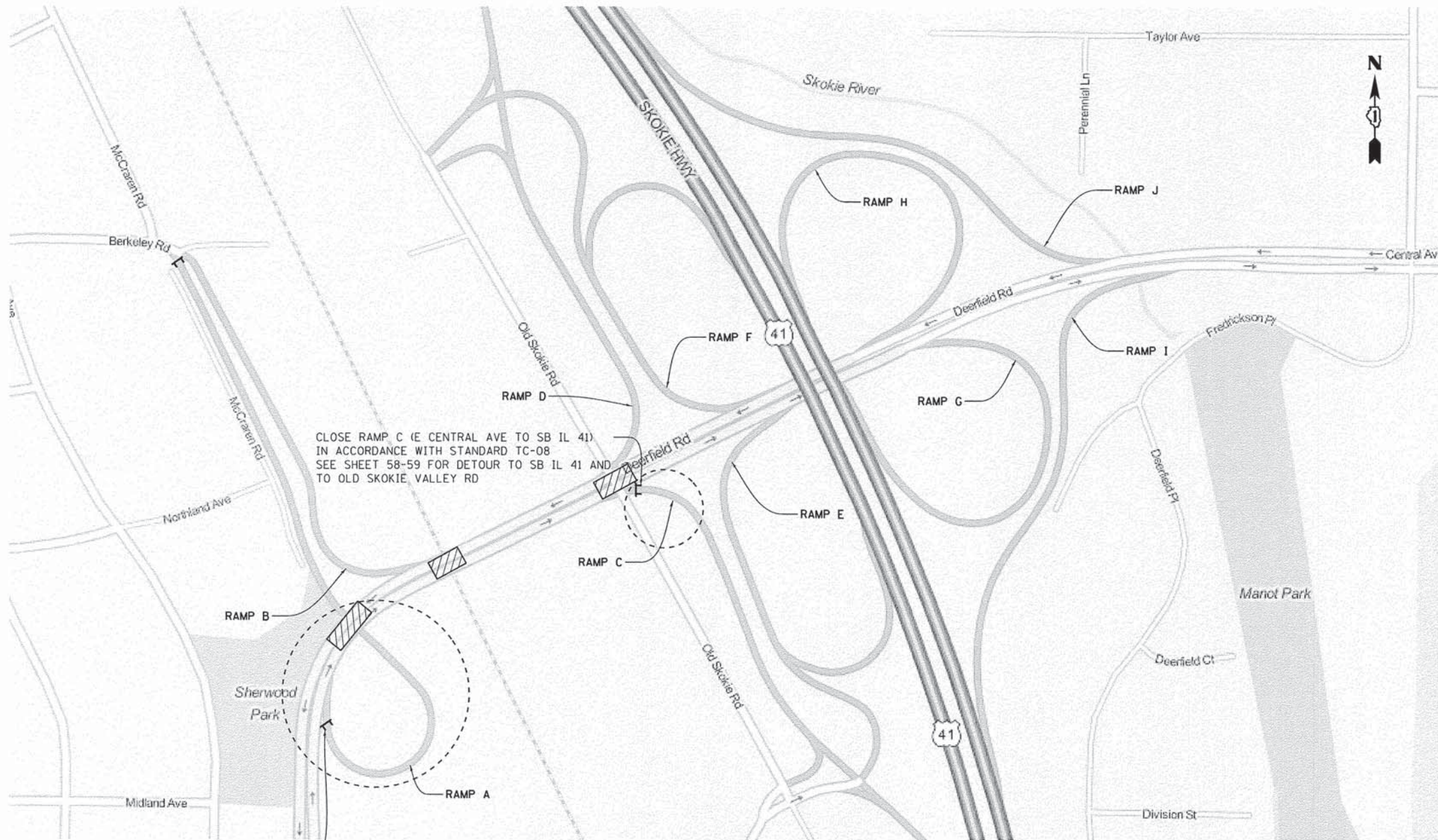
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PLOT SCALE = 50.00' / in.	DRAWN -	REVISED -
PLOT DATE = 9/1/2015	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FAU ROUTE 1257 (DEERFIELD ROAD)  
DETOUR STAGE 2**

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 362
					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

CONTRACT NO. 63882



CLOSE RAMP C (E CENTRAL AVE TO SB IL 41)  
 IN ACCORDANCE WITH STANDARD TC-08  
 SEE SHEET 58-59 FOR DETOUR TO SB IL 41 AND  
 TO OLD SKOKIE VALLEY RD

CLOSE RAMP A (BERKELEY RD TO E CENTRAL AVE)  
 AS SHOWN IN STAGE 2 SHEETS XX-XX.

**KEY MAP**

FILE NAME = 9FILES

**COLLINS ENGINEERS**

USER NAME = rge11  
 PLOT SCALE = 50.00' / 1" =  
 PLOT DATE = 9/1/2015

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

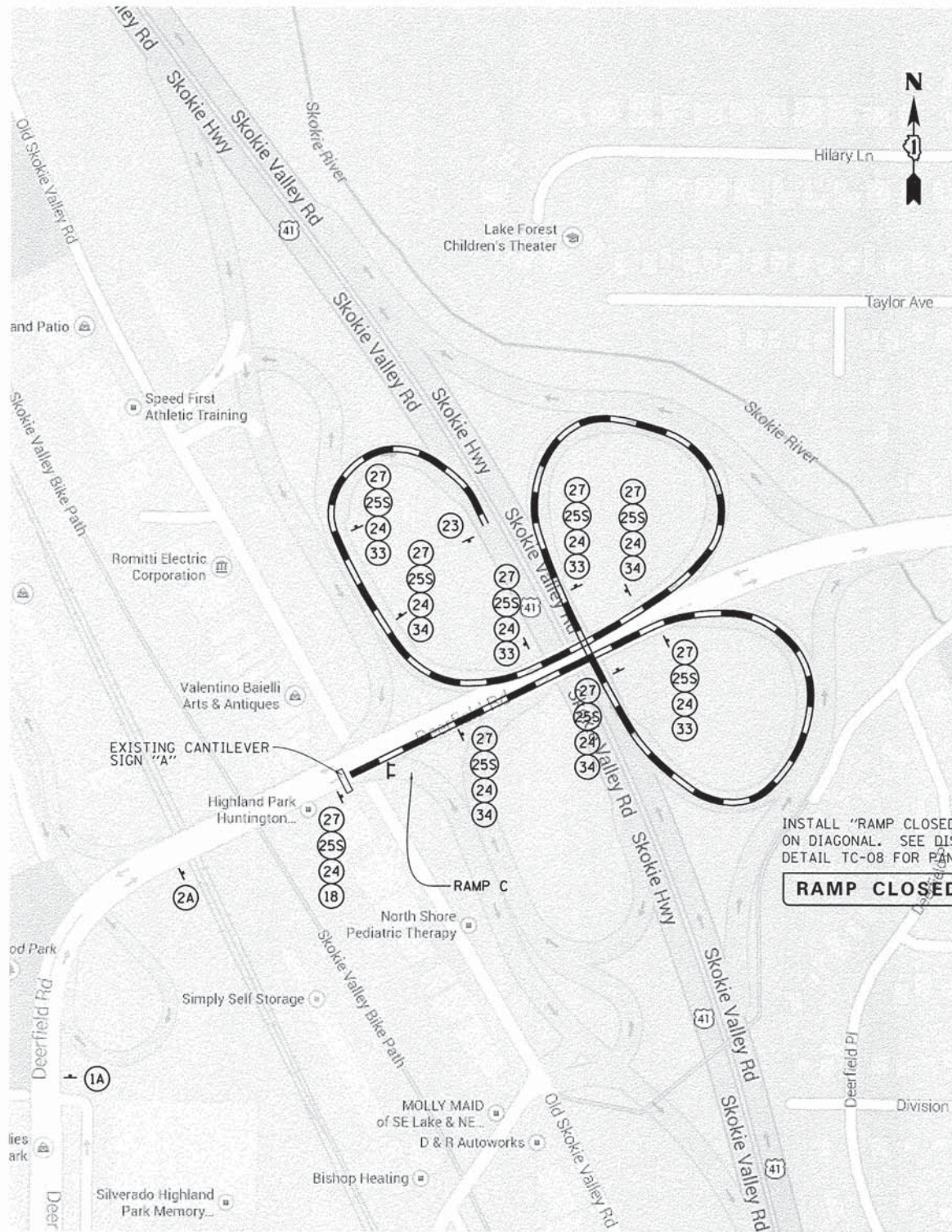
REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**FAU ROUTE 1257 (DEERFIELD ROAD)  
 DETOUR  
 STAGE 2 - SUBSTAGE A**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

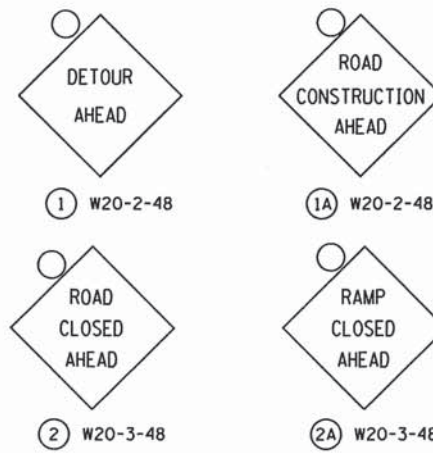
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	363
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63882	



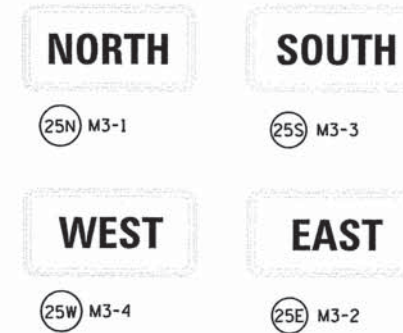
INSTALL "RAMP CLOSED" PANEL ON DIAGONAL. SEE DISTRICT DETAIL TC-08 FOR PANEL DETAILS.

**RAMP CLOSED**

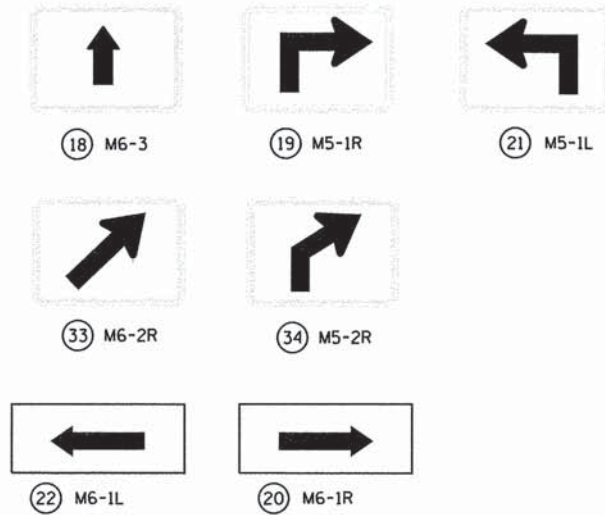
**WARNING SIGNS**



**CARDINAL DIRECTION SIGNS**  
CONVENTIONAL ROAD SIGN SIZE (24x12)  
EXPRESSWAY SIGN SIZE (30x21)



**ADVANCE TURN ARROW SIGNS**  
CONVENTIONAL ROAD SIGN SIZE (21x15)  
EXPRESSWAY SIGN SIZE (30x21)



**DETOUR SIGN**  
CONVENTIONAL ROAD SIGN SIZE (24x12)  
EXPRESSWAY SIGN SIZE (30x15)



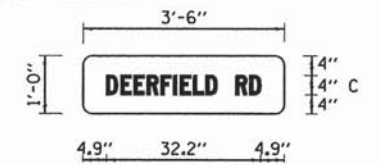
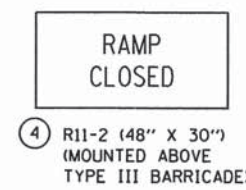
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CONVENTIONAL ROAD SIGN SIZE (24x18)  
EXPRESSWAY SIGN SIZE (24x18)



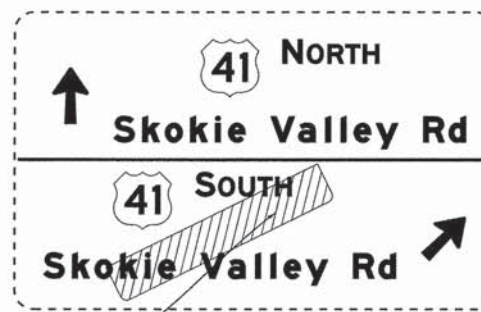
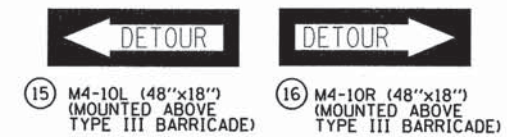
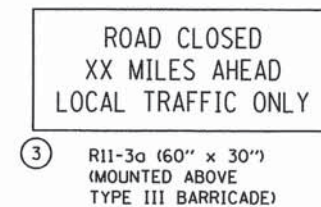
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CONVENTIONAL ROAD SIGN SIZE (24x24)  
EXPRESSWAY SIGN SIZE (36x36)



**MISCELLANEOUS SIGNS**

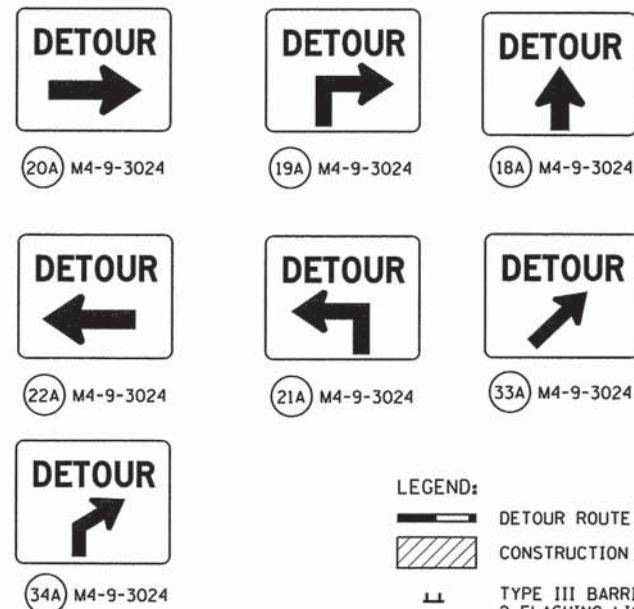


BORDER R=1.5" TH=0.63" BLACK LETTERING ON ORANGE BACKGROUND



EXISTING SIGN (A)

**DETOUR SIGNAGE**  
CONVENTIONAL ROAD SIGN SIZE (30x24)  
EXPRESSWAY SIGN SIZE (48x36)



**LEGEND:**

- DETOUR ROUTE
- CONSTRUCTION ZONE
- TYPE III BARRICADE WITH 2 FLASHING LIGHTS
- AMBER FLASHING LIGHT

**NOTES:**

1. PLACEMENT AND SPACING OF SIGNS AND BARRICADES SHALL BE IN ACCORDANCE WITH TC-21 (DETOUR SIGNING FOR CLOSING STATE HIGHWAYS) AND TC-08 (FREEWAY ENTRANCE AND EXIT RAMP CLOSURE DETAILS).
2. THE COST OF SUPPLYING, ERECTING AND MAINTAINING BARRICADES, WARNING LIGHTS AND ALL SIGNS, INCLUDING SIGN PANEL OVERLAYS AND TRAFFIC CONTROL AND PROTECTION REQUIRED UNDER DISTRICT 1 DETAILS TC-08 AND TC-17 SHALL BE INCLUDED IN THE CONTRACT COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
3. ACCESS TO ALL PRIVATE ENTRANCES SHALL BE MAINTAINED.

FILE NAME = #FILES

**COLLINS ENGINEERS**

USER NAME = rgo11	DESIGNED -	REVISED -
PLOT SCALE = 50.00' / 1" =	DRAWN -	REVISED -
PLOT DATE = 9/11/2015	CHECKED -	REVISED -
	DATE -	REVISED -

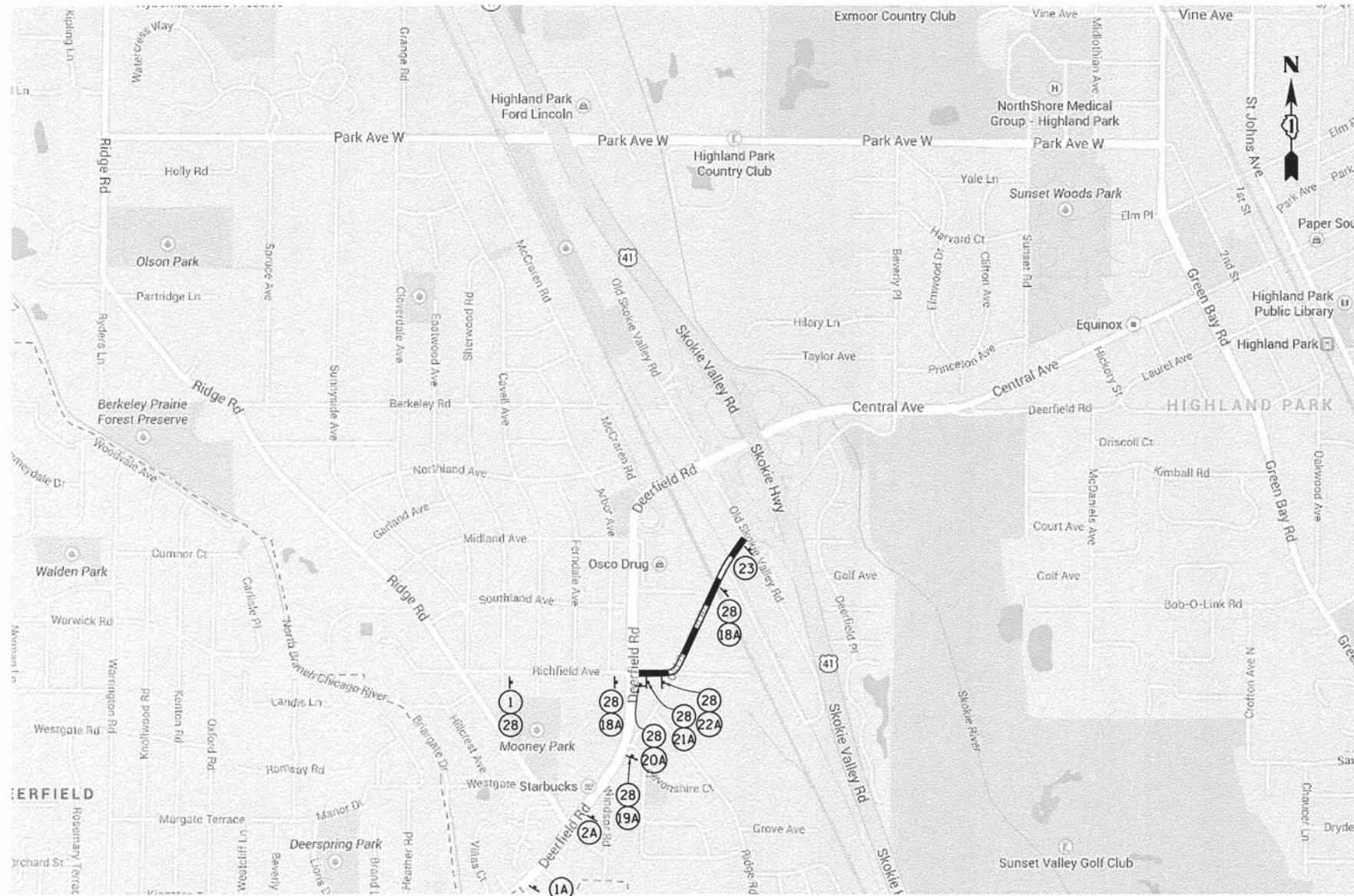
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FAU ROUTE 1257 (DEERFIELD ROAD)  
DETOUR  
STAGE 2 - SUBSTAGE A**

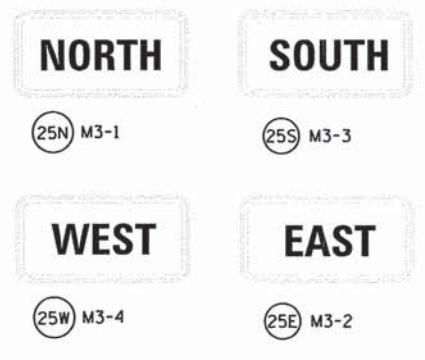
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	364
				CONTRACT NO. 63882
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

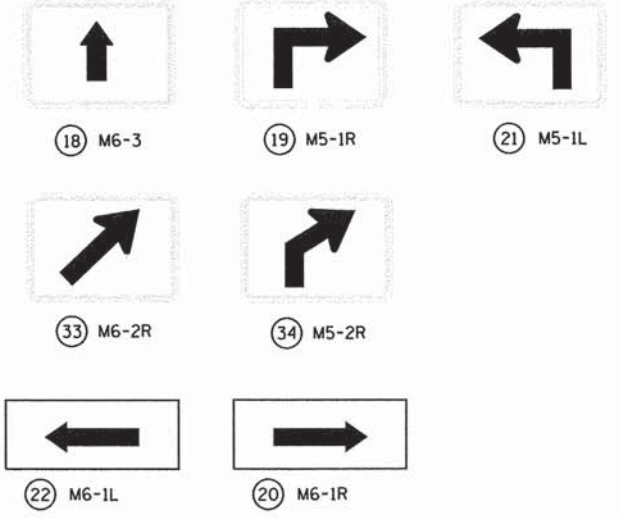




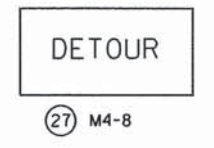
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CONVENTIONAL ROAD SIGN SIZE (24x12)  
EXPRESSWAY SIGN SIZE (30x21)



**ADVANCE TURN ARROW SIGNS**  
CONVENTIONAL ROAD SIGN SIZE (21x15)  
EXPRESSWAY SIGN SIZE (30x21)



**DETOUR SIGN**  
CONVENTIONAL ROAD SIGN SIZE (24x12)  
EXPRESSWAY SIGN SIZE (30x15)



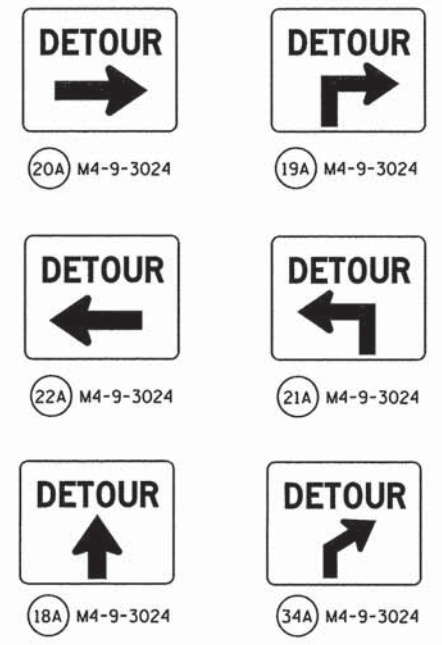
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CONVENTIONAL ROAD SIGN SIZE (24x18)  
EXPRESSWAY SIGN SIZE (24x18)



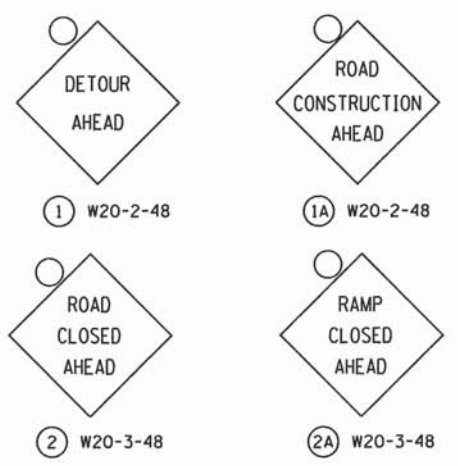
**ROUTE SHIELD**  
CONVENTIONAL ROAD SIGN SIZE (24x24)  
EXPRESSWAY SIGN SIZE (36x36)



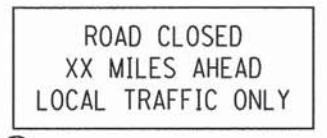
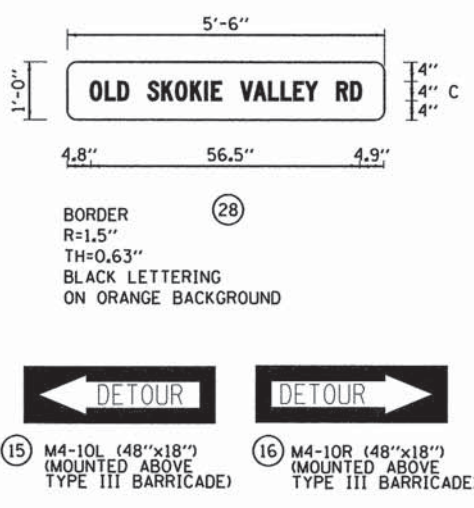
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CONVENTIONAL ROAD SIGN SIZE (30x24)  
EXPRESSWAY SIGN SIZE (48x36)



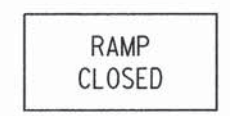
**WARNING SIGNS**



**MISCELLANEOUS SIGNS**



3 R11-3a (60" x 30")  
(MOUNTED ABOVE TYPE III BARRICADE)



4 R11-2 (48" X 30")  
(MOUNTED ABOVE TYPE III BARRICADE)

**LEGEND:**

- DETOUR ROUTE
- CONSTRUCTION ZONE
- TYPE III BARRICADE WITH 2 FLASHING LIGHTS
- AMBER FLASHING LIGHT

**NOTES:**

- PLACEMENT AND SPACING OF SIGNS AND BARRICADES SHALL BE IN ACCORDANCE WITH TC-21 (DETOUR SIGNING FOR CLOSING STATE HIGHWAYS) AND TC-08 (FREEWAY ENTRANCE AND EXIT RAMP CLOSURE DETAILS).
- THE COST OF SUPPLYING, ERECTING AND MAINTAINING BARRICADES, WARNING LIGHTS AND ALL SIGNS, INCLUDING SIGN PANEL OVERLAYS AND TRAFFIC CONTROL AND PROTECTION REQUIRED UNDER DISTRICT 1 DETAILS TC-08 AND TC-17 SHALL BE INCLUDED IN THE CONTRACT COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
- ACCESS TO ALL PRIVATE ENTRANCES SHALL BE MAINTAINED.

FILE NAME = #FILES

**COLLINS ENGINEERS INC.**

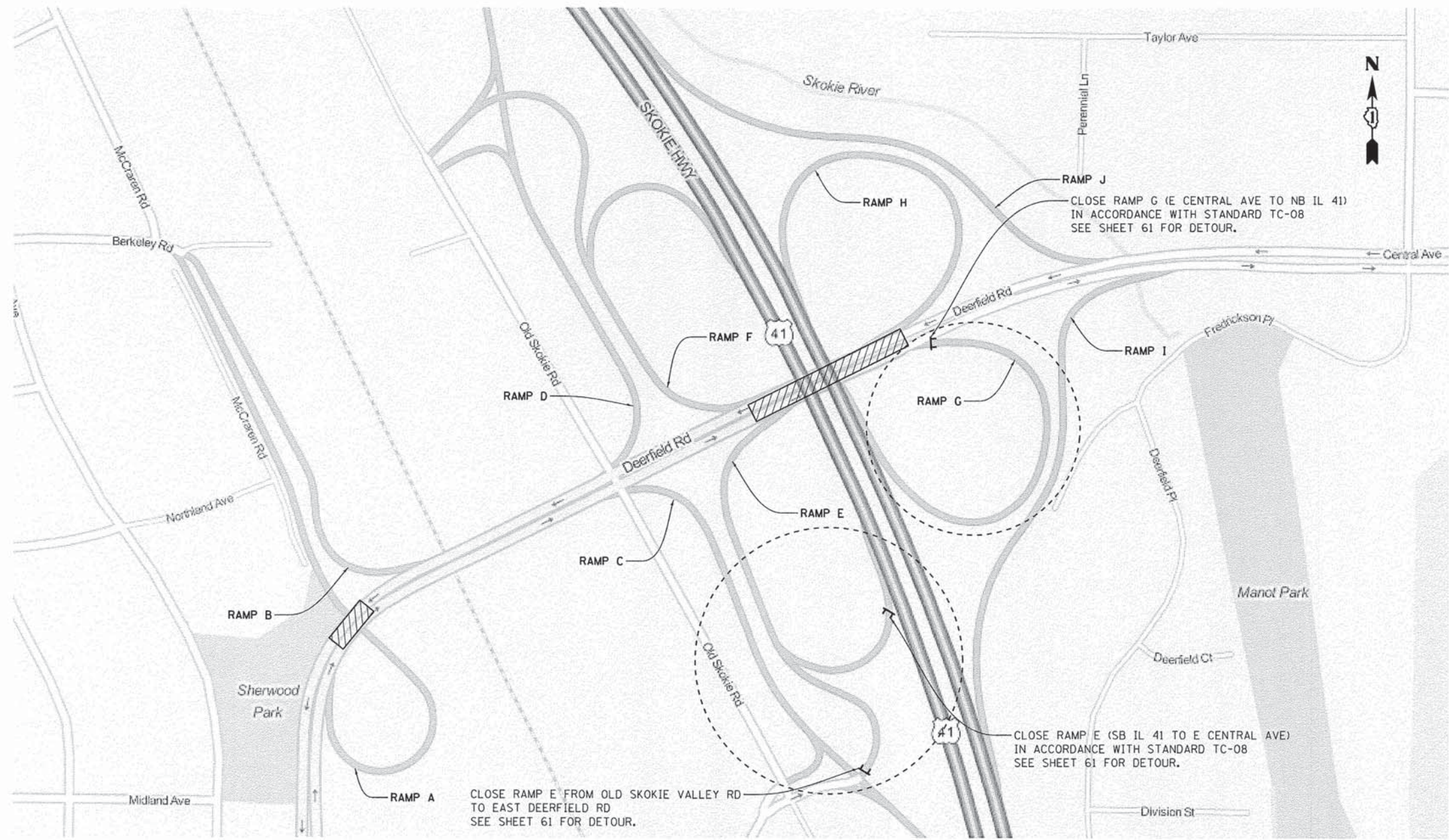
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PLOT SCALE = 50.00' / 1" =	DRAWN -	REVISED -
PLOT DATE = 9/17/2015	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FAU ROUTE 1257 (DEERFIELD ROAD)  
DETOUR  
STAGE 2 - SUBSTAGE A**

SCALE:	SHEET NO. OF SHEETS	STA. TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	365
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT			CONTRACT NO. 63882	



**KEY MAP**

FILE NAME = RFILES

**COLLINS ENGINEERS**

USER NAME = rge11  
 PLOT SCALE = 50.00' / in.  
 PLOT DATE = 9/1/2015

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

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

**FAU ROUTE 1257 (DEERFIELD ROAD)**  
**DETOUR**  
**STAGE 2 - SUBSTAGE B**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	366

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT CONTRACT NO. 63882



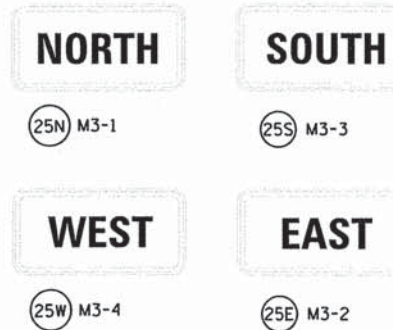
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 EXPRESSWAY SIGN SIZE (48x36)



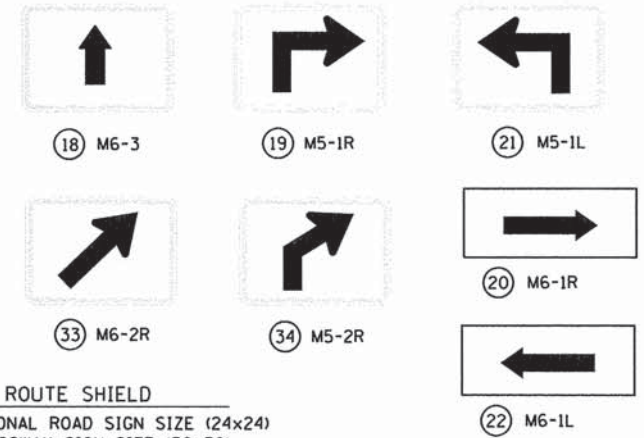
**LEGEND:**

- DETOUR ROUTE
- CONSTRUCTION ZONE
- TYPE III BARRICADE WITH 2 FLASHING LIGHTS
- AMBER FLASHING LIGHT

**CARDINAL DIRECTION SIGNS**  
 CONVENTIONAL ROAD SIGN SIZE (24x12)  
 EXPRESSWAY SIGN SIZE (30x21)



**ADVANCE TURN ARROW SIGNS**  
 CONVENTIONAL ROAD SIGN SIZE (21x15)  
 EXPRESSWAY SIGN SIZE (30x21)



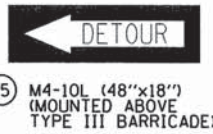
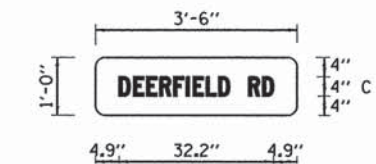
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 EXPRESSWAY SIGN SIZE (30x15)



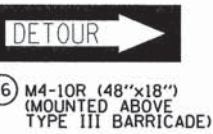
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 CONVENTIONAL ROAD SIGN SIZE (24x24)  
 EXPRESSWAY SIGN SIZE (36x36)



**MISCELLANEOUS SIGNS**



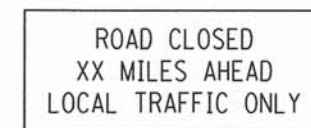
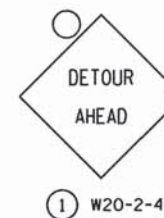
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 TH=0.63"  
 BLACK LETTERING  
 ON ORANGE BACKGROUND



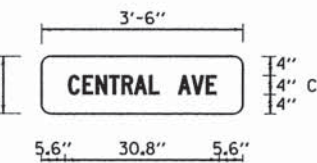
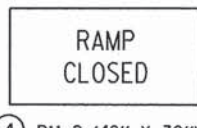
**END DETOUR SIGN**  
 CONVENTIONAL ROAD SIGN SIZE (24x18)  
 EXPRESSWAY SIGN SIZE (24x18)



**WARNING SIGNS**



BORDER  
 R=1.5"  
 TH=0.63"  
 BLACK LETTERING  
 ON ORANGE BACKGROUND



BORDER  
 R=1.5"  
 TH=0.63"  
 BLACK LETTERING  
 ON ORANGE BACKGROUND

**NOTES:**

- PLACEMENT AND SPACING OF SIGNS AND BARRICADES SHALL BE IN ACCORDANCE WITH TC-21 (DETOUR SIGNING FOR CLOSING STATE HIGHWAYS) AND TC-08 (FREEWAY ENTRANCE AND EXIT RAMP CLOSURE DETAILS).
- THE COST OF SUPPLYING, ERECTING AND MAINTAINING BARRICADES, WARNING LIGHTS AND ALL SIGNS, INCLUDING SIGN PANEL OVERLAYS AND TRAFFIC CONTROL AND PROTECTION REQUIRED UNDER DISTRICT 1 DETAILS TC-08 AND TC-17 SHALL BE INCLUDED IN THE CONTRACT COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
- ACCESS TO ALL PRIVATE ENTRANCES SHALL BE MAINTAINED.
- EXISTING SIGNAL TIMINGS TO BE ADJUSTED AT THE FOLLOWING INTERSECTIONS: CENTRAL AVE. / GREEN BAY RD.; GREEN BAY RD. / PARK AVE.

FILE NAME = RFILES

**COLLINS ENGINEERS**

USER NAME = rgo11	DESIGNED -	REVISED -
PLOT SCALE = 50.00' / 1"	DRAWN -	REVISED -
PLOT DATE = 9/1/2015	CHECKED -	REVISED -
	DATE -	REVISED -

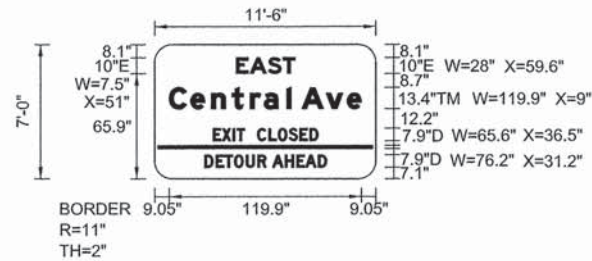
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**FAU ROUTE 1257 (DEERFIELD ROAD)  
 DETOUR  
 STAGE 2 - SUBSTAGE B**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

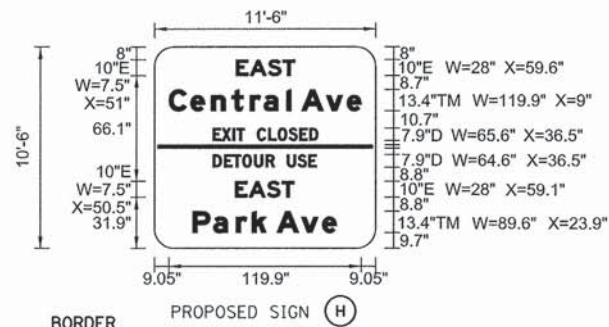
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FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

CONTRACT NO. 63882



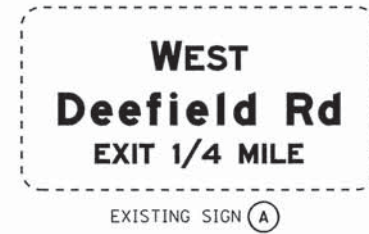
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PROPOSED SIGN (G)



BORDER R=9" TH=1.5" BLACK LETTERING ON ORANGE BACKGROUND

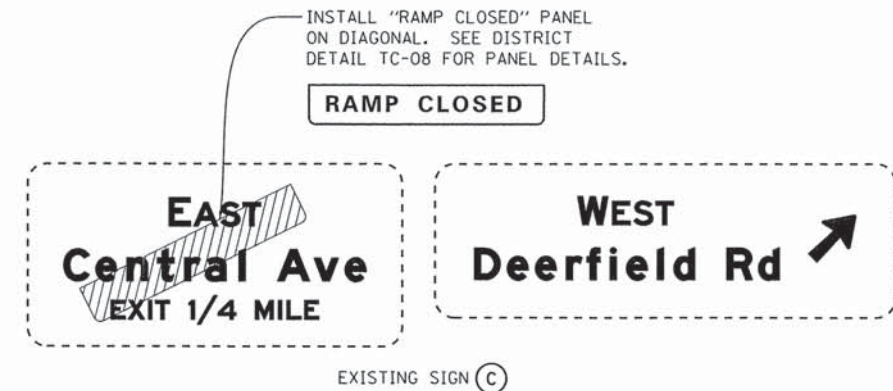
PROPOSED SIGN (H)



EXISTING SIGN (A)



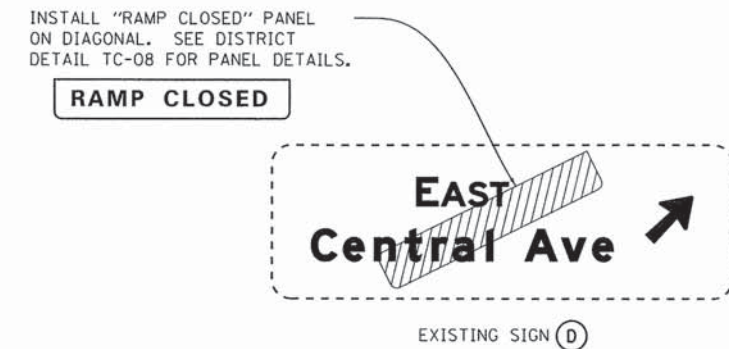
EXISTING SIGN (B)



INSTALL "RAMP CLOSED" PANEL ON DIAGONAL. SEE DISTRICT DETAIL TC-08 FOR PANEL DETAILS.

RAMP CLOSED

EXISTING SIGN (C)



INSTALL "RAMP CLOSED" PANEL ON DIAGONAL. SEE DISTRICT DETAIL TC-08 FOR PANEL DETAILS.

RAMP CLOSED

EXISTING SIGN (D)

FILE NAME = #FILES

**COLLINS ENGINEERS INC.**

USER NAME = rgal	DESIGNED -	REVISED -
PLOT SCALE = 50.00' / in.	DRAWN -	REVISED -
PLOT DATE = 9/1/2015	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FAU ROUTE 1257 (DEERFIELD ROAD)  
DETOUR  
STAGE 2 - SUBSTAGE B**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	368
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

CONTRACT NO. 63882

**SEDIMENTATION AND EROSION CONTROL**

INLET FILTERS SHALL CONSIST OF A FRAME AND SEDIMENT BAG. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO USE THE APPROPRIATE TYPE. FRAME: TOP PIECE SHALL BE FABRICATED FROM 1-1/4" X 1-1/4" X 1/8" ANGLE. BASE PIECE SHALL BE FABRICATED FROM 1-1/2" X 1/2" X 1/8" CHANNEL. HANDLES AND SUSPENSION BRACKETS SHALL BE FABRICATED FROM 1-1/4" X 1-1/4" FLAT STOCK. DOMESTIC STEEL CONFORMING TO ASTM-A36. SEDIMENT BAG: SHALL BE FABRICATED FROM 4 OZ./SQ. YD. NON-WOVEN POLYPROPYLENE GEOTEXTILE AND SHALL BE REINFORCED WITH POLYESTER MESH. THE BAG SHALL BE SECURED TO THE BASE PIECE WITH A STAINLESS STEEL STRAP AND LOCK.

THE CONSTRUCTION LIMITS WILL BE STAKED BY THE ENGINEER PRIOR TO COMMENCING CONSTRUCTION. THE CONSTRUCTION LIMITS MAY BE ADJUSTED BY THE ENGINEER TO PRESERVE TREES AND NO ADDITIONAL COMPENSATION WILL BE PAID TO THE CONTACT OR FOR CHANGED CONSTRUCTION LIMITS.

PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO THE CONSTRUCTION LIMITS AS INDICATED ON THE ESC PLAN. THE RESIDENT ENGINEER SHALL MAKE THE FINAL DETERMINATION ON THE PLACEMENT AND LOCATION OF THE PERIMETER EROSION BARRIER.

A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON SITE. ALL CHANGES TO THE SOIL EROSION AND SEDIMENT CONTROL PLAN SHALL BE NOTED ON THE SITE PLAN.

SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF THE YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.

SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.

DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN 7 CALENDAR DAYS OF THE END OF ACTIVE HYDROLOGIC DISTURBANCE, OR RE-DISTURBANCE. A QUANTITY OF TEMPORARY EROSION CONTROL SEEDING IS INCLUDED FOR AREAS THAT ARE DISTURBED BUT WILL NOT BE RESTORED WITHIN 14 DAYS.

ALL STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.

ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED, AS APPROVED BY THE ENGINEER.

ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE PRIME CONTRACTOR SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR; THE CONTRACTOR SHALL INSPECT ALL SOIL EROSION CONTROL MEASURES ON A WEEKLY BASIS OR AFTER A ONE-HALF INCH RAINFALL AND REPLACE, REPAIR OR CLEAN THEM ON A TIMELY BASIS. ADDITIONALLY DURING WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED AFTER EACH SIGNIFICANT SNOW MELT. ALL OFF SITE BORROW, WASTE, AND USE AREAS ARE PART OF CONSTRUCTION SITE AND ARE TO BE INSPECTED AT THE SAME FREQUENCY OF ON SITE INSPECTIONS.

ANY SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA. ALL PRECAUTIONS SHALL BE TAKEN TO AVOID TRACKING DURING CONSTRUCTION.

SOIL STOCKPILES SHALL NOT BE LOCATED IN A FLOOD PRONE AREA OR A DESIGNATED BUFFER PROTECTING WATERS OF THE UNITED STATES STOCKPILES OR SOIL AND OTHER BUILDING MATERIALS TO REMAIN IN PLACE MORE THAN THREE (3) DAYS SHALL BE FURNISHED WITH EROSION AND SEDIMENT CONTROL MEASURES (I.E. PERIMETER SILT FENCE). STOCKPILES TO REMAIN UNDISTURBED FOR MORE THAN 14 DAYS WILL RECEIVE TEMPORARY SEEDING WITHIN 7 CALENDAR DAYS.

THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY.

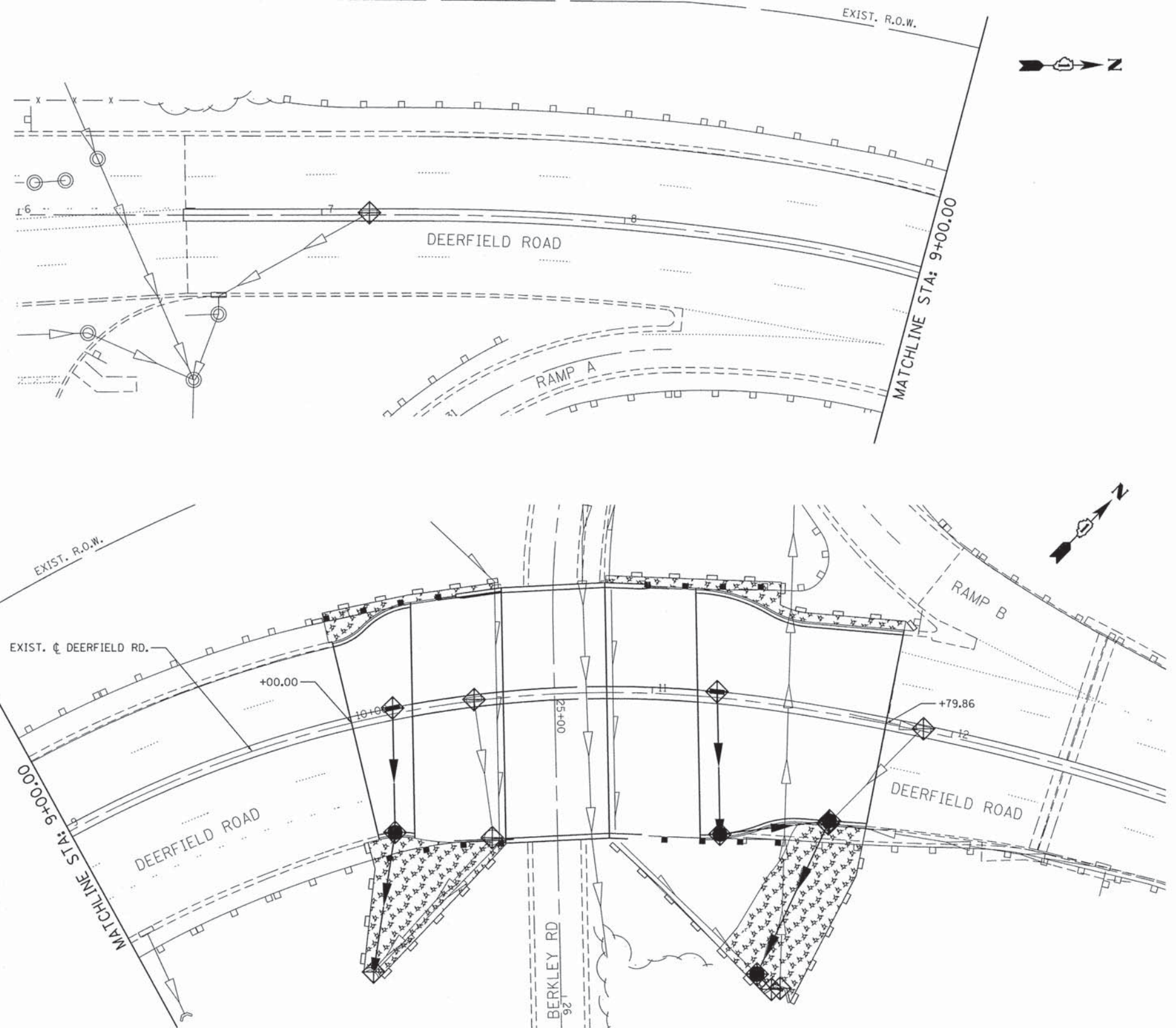
THE CONDITION OF THE CONSTRUCTION SITE FOR WINTER SHUTDOWN SHALL BE ADDRESSED EARLY IN THE FALL GROWING SEASON SO THAT SLOPES AND OTHER AREAS ARE STABILIZED WITH TEMPORARY AND/OR PERMANENT VEGETATIVE COVER FOR PROPER EROSION AND SEDIMENT CONTROL. ALL OPEN AREAS THAT ARE TO REMAIN IDLE THROUGHOUT THE WINTER SHALL RECEIVE TEMPORARY EROSION CONTROL MEASURES INCLUDING TEMPORARY SEEDING AND MULCHING PRIOR TO THE END OF THE FALL GROWING SEASON. THE AREAS TO BE WORKED BEYOND THE END OF THE GROWING SEASON MUST INCORPORATE SOIL STABILIZATION MEASURES THAT DO NOT RELY ON VEGETATIVE COVER SUCH AS EROSION CONTROL BLANKET AND HEAVY MULCHING.

UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE LATEST EDITION OF THE ILLINOIS URBAN MANUAL.

THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFF SITE BORROW, WASTE, USE (BWU) AREAS, PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS. IN ADDITION TO THE BORROW REVIEW (BDE 2289) AND USE/WASTE REVIEW (BDE 2290) SUBMITTALS, THE CONTRACTOR SHALL SUBMIT AN EROSION CONTROL AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE ENGINEER.

IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S) WHO MAY PERFORM WORK ON THIS PROJECT OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENT SET FORTH BY THE ILLINOIS EPA.



**LEGEND:**

- PERIMETER EROSION BARRIER
- INLET AND PIPE PROTECTION / INLET FILTERS
- TEMPORARY EROSION CONTROL SEEDING
- HEAVY DUTY EROSION CONTROL BLANKET

FILE NAME = 8FILES

**COLLINS ENGINEERS**

USER NAME = rge11  
 PLOT SCALE = 20,0000' / 1" = 1/20000  
 PLOT DATE = 9/1/2015

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

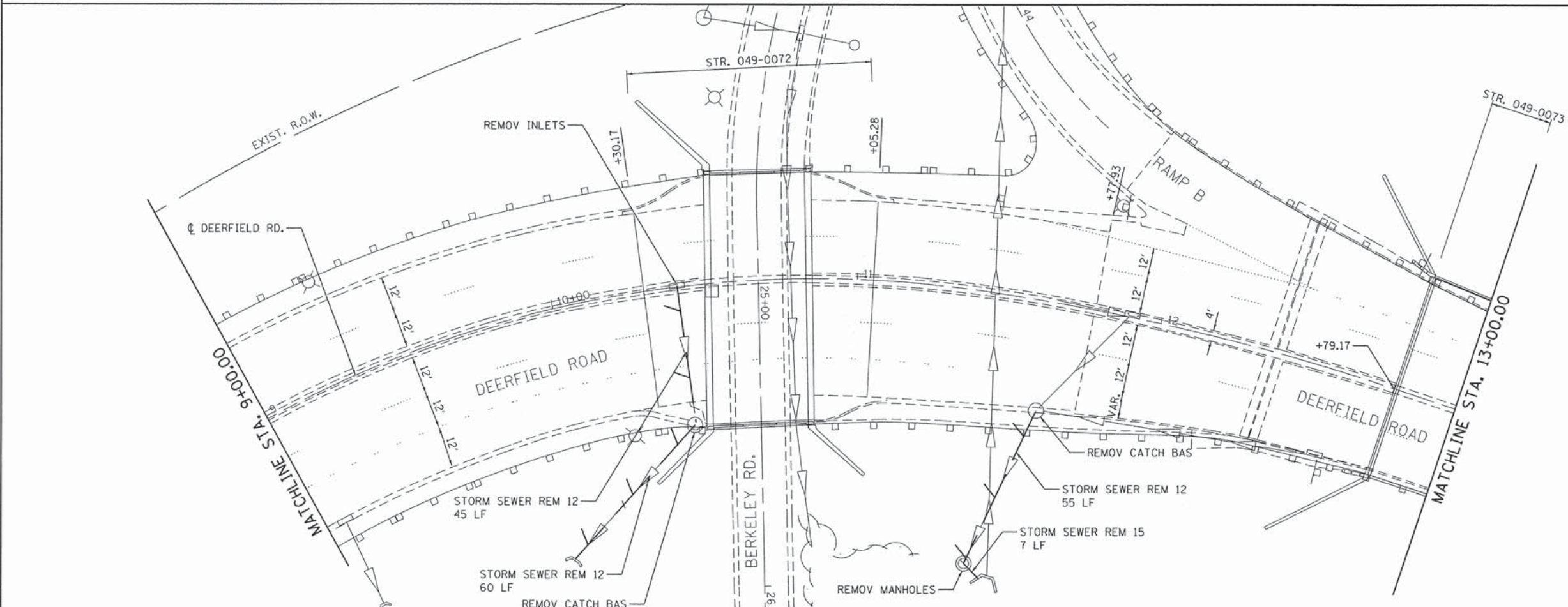
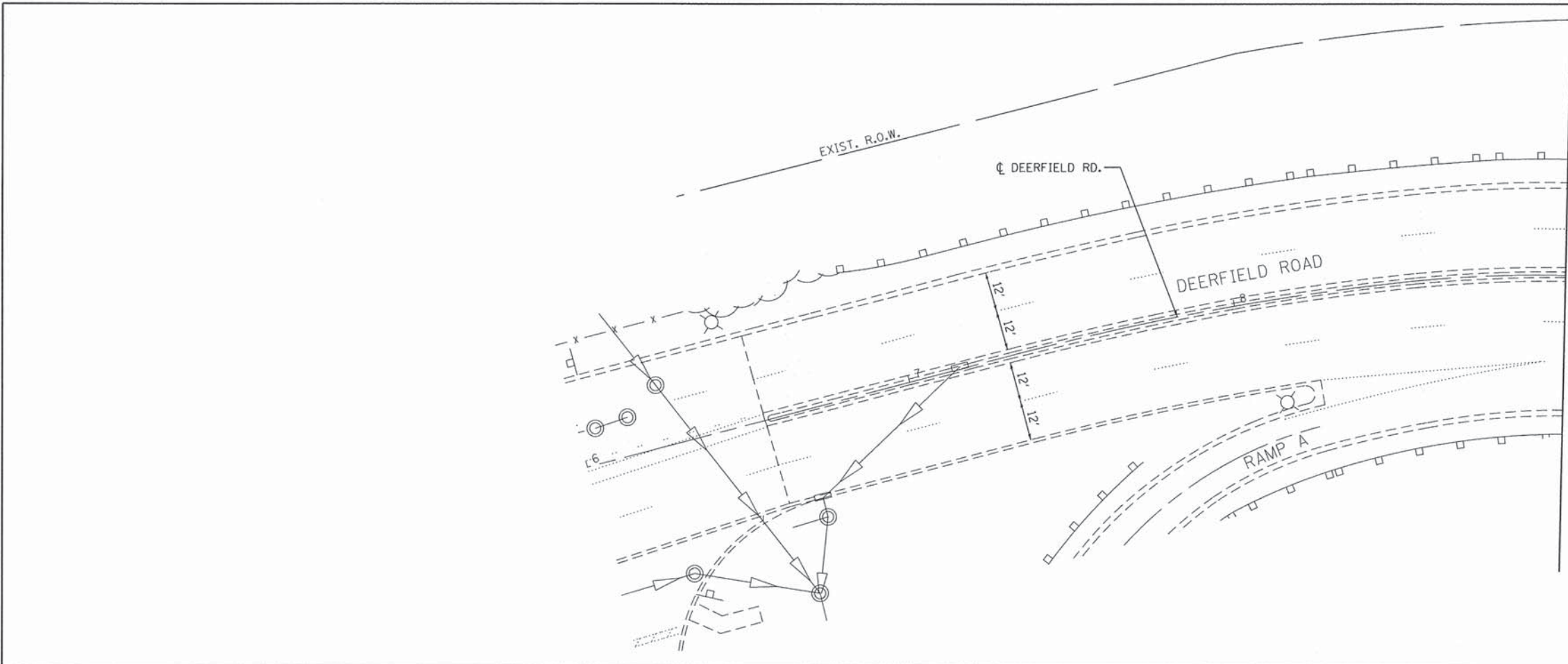
REVISED -  
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 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**FAU ROUTE 1257 (DEERFIELD ROAD)  
 EROSION CONTROL PLAN**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	369
CONTRACT NO. 63882				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**LEGEND:**  
 LINEAR REMOVAL ITEM

FILE NAME = #FILE#

**COLLINS ENGINEERS INC**

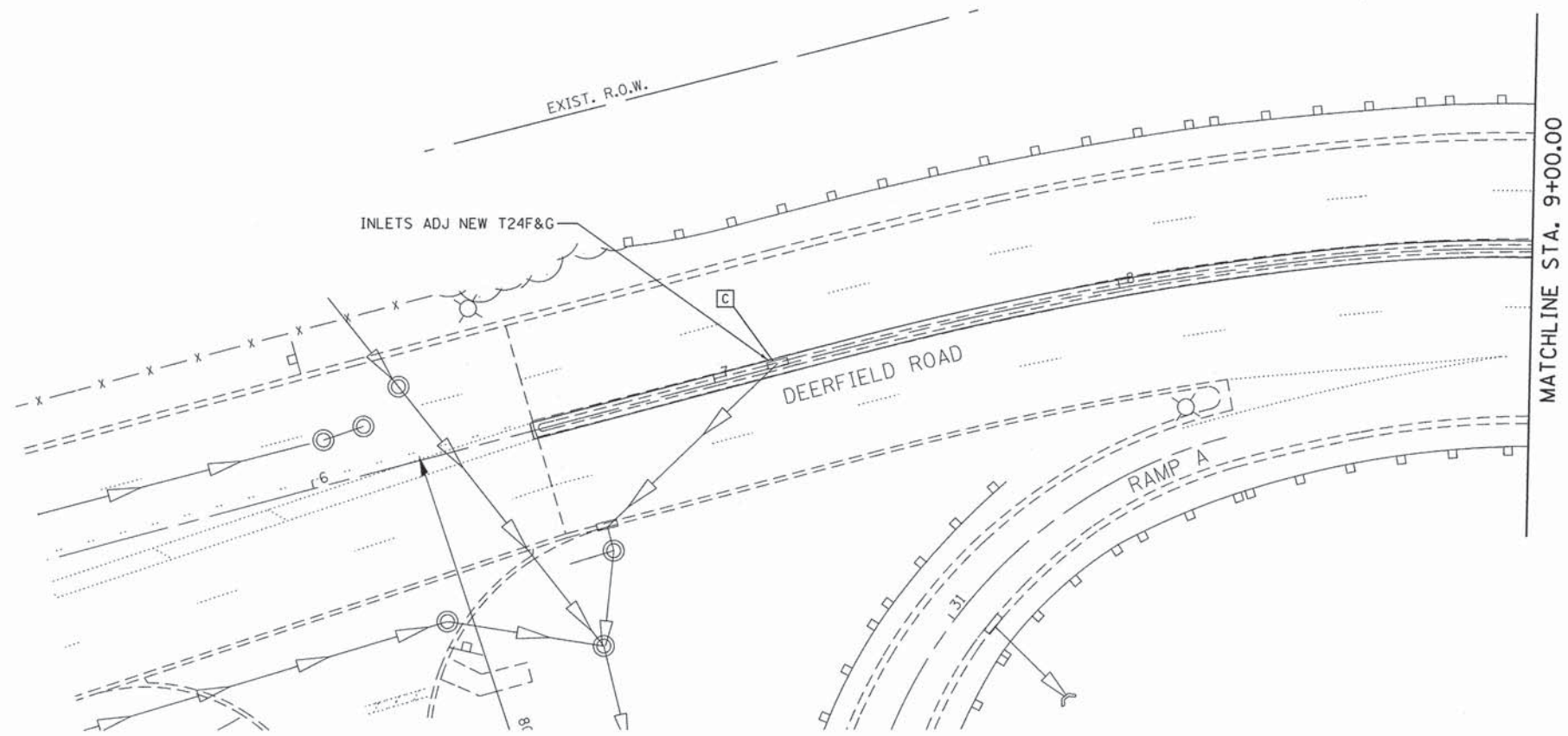
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PLOT DATE = 9/1/2015	CHECKED -	REVISED -
DATE -	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**FAU ROUTE 1257 (DEERFIELD ROAD)  
 DRAINAGE REMOVAL PLAN**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

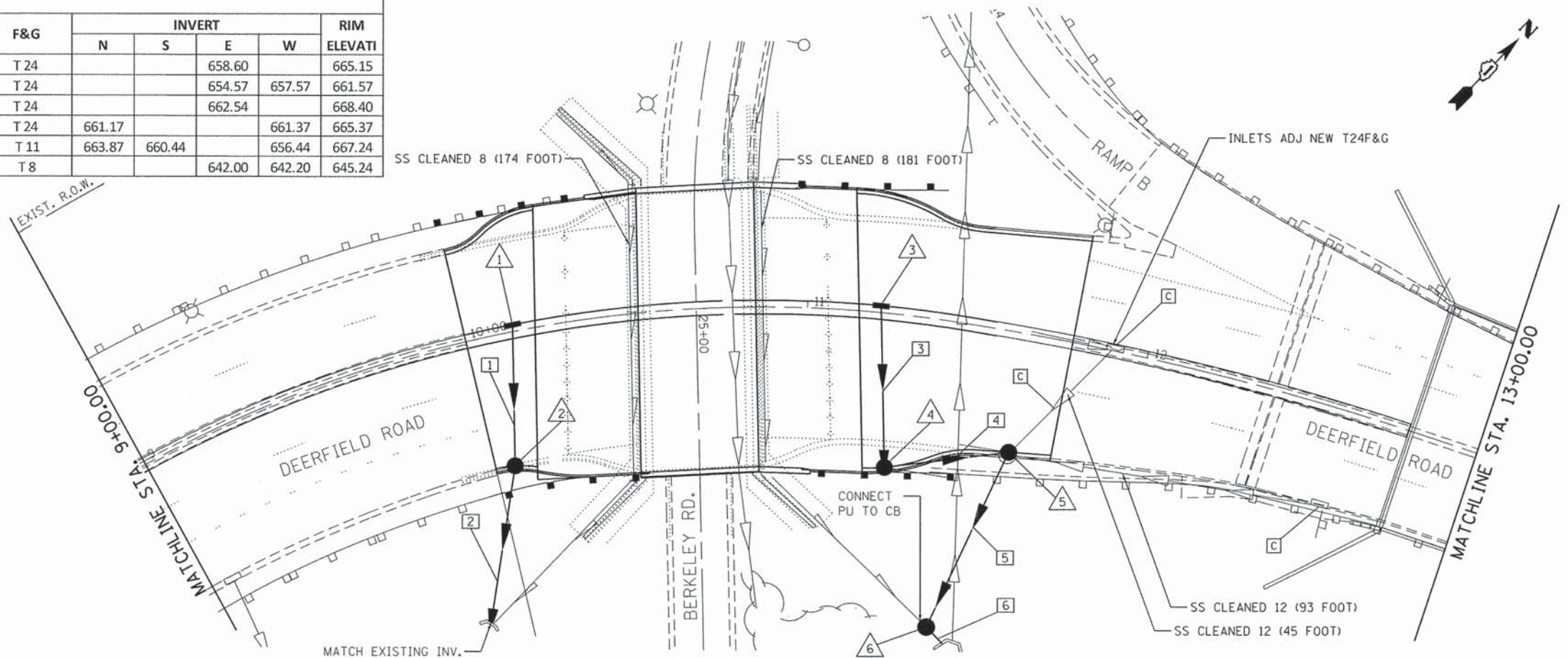
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	370
CONTRACT NO. 63882				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



STR NO.	STATION	ALIGNMENT	OFFSET		STRUCTURE			F&G	INVERT				RIM ELEVATI
			[FT]	LT/RT	INLET	CB	MH		N	S	E	W	
1	10+14.22	E DEER	1.97	LT	TA			T 24			658.60		665.15
2	10+06.25	E DEER	38.41	RT			A-4	T 24			654.57	657.57	661.57
3	11+21.30	E DEER	1.97	LT	TA			T 24			662.54		668.40
4	11+27.34	E DEER	44.76	RT			A-4	T 24	661.17			661.37	665.37
5	11+65.23	E DEER	34.92	RT			A-5	T 11	663.87	660.44		656.44	667.24
6	11+48.76	E DEER	88.96	RT			A-4	T 8			642.00	642.20	645.24

PIPE SCHEDULE					
PIPE NO.	DESCRIPTION	DIA. [IN]	L [FT]	S <sub>F</sub>	TBF [CU YD]
1	STORM SEW CL A 1	12	41.12	2.50%	16.0
2	STORM SEW CL A 1	12	46.06	22.77%	-
3	STORM SEW CL A 1	12	47.09	2.50%	10.0
4	STORM SEW CL A 1	12	36.45	2.00%	16.0
5	STORM SEW CL A 1	12	56.12	25.38%	-
6	STORM SEW CL A 1	15	6.90	14.49%	-

- LEGEND**
- EXISTING STORM SEWER
  - PROPOSED STORM SEWER
  - STRUCTURE NUMBER
  - PIPE NUMBER
  - DRAINAGE ITEM TO BE CLEANED
  - STRUCTURE TO BE ADJUSTED



FILE NAME = 8FILE\*

**COLLINS ENGINEERS**

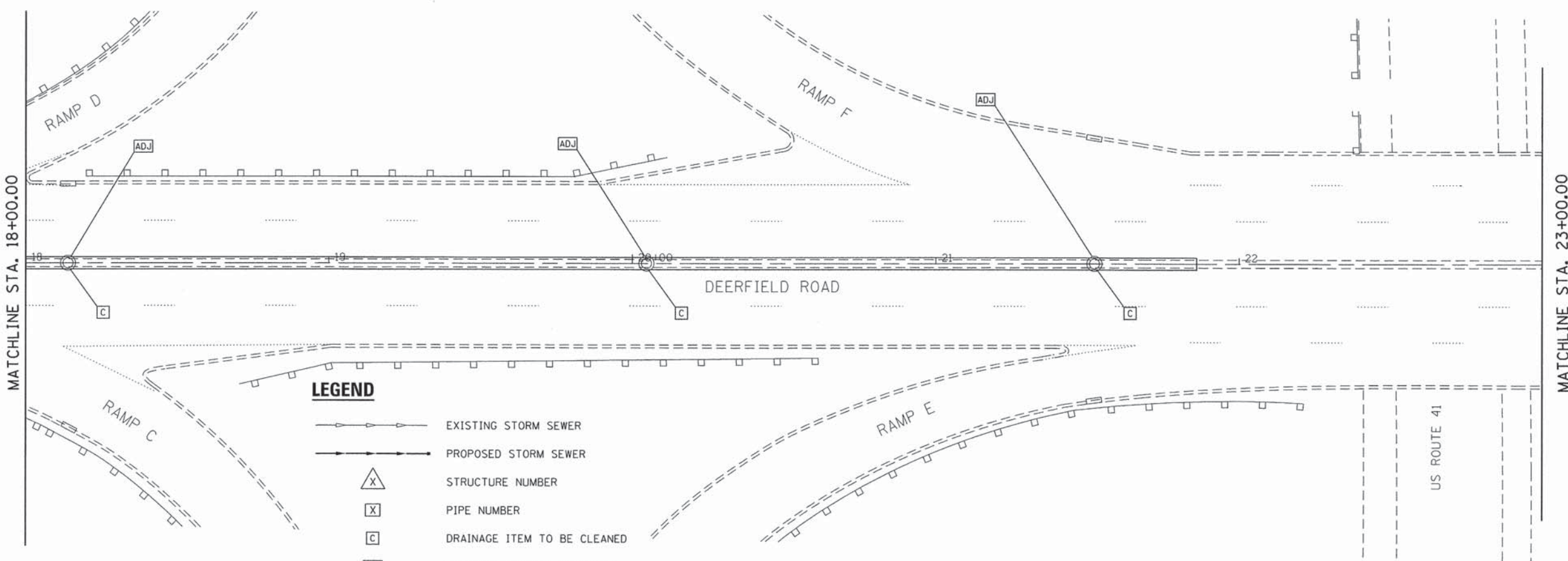
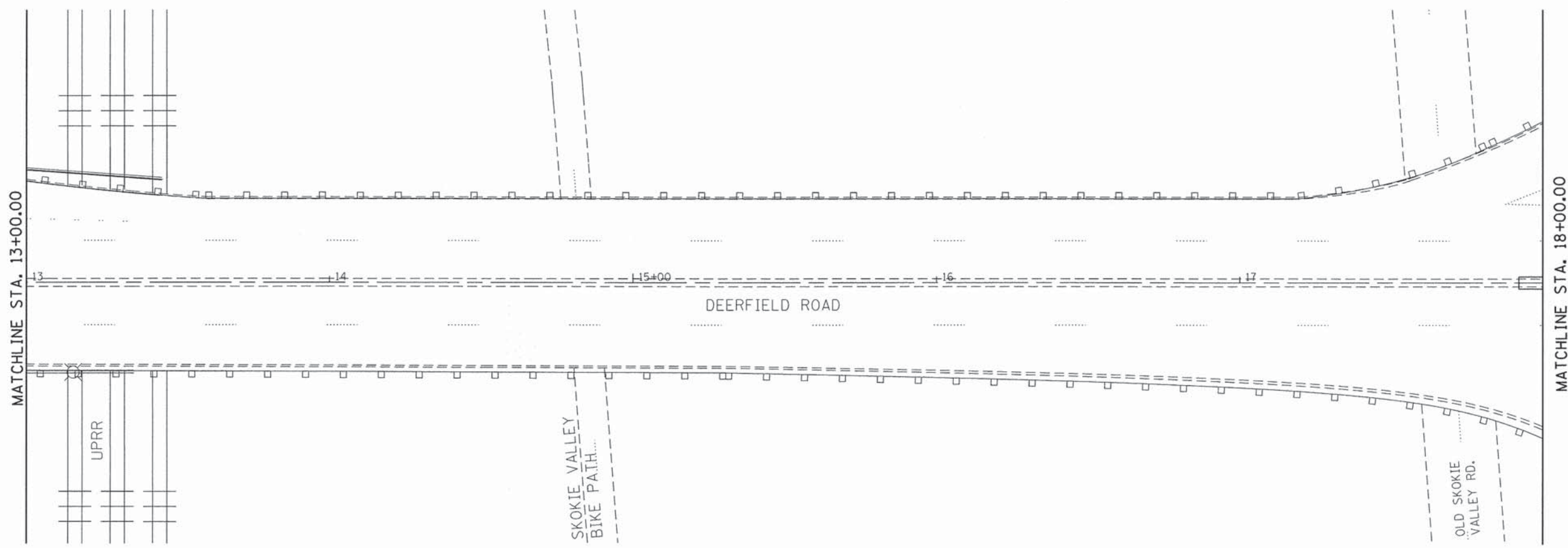
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PLOT DATE = 9/1/2015	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FAU ROUTE 1257 (DEERFIELD ROAD)  
DRAINAGE PLAN**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	371
CONTRACT NO. 63882				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



- LEGEND**
- EXISTING STORM SEWER
  - PROPOSED STORM SEWER
  - STRUCTURE NUMBER
  - PIPE NUMBER
  - DRAINAGE ITEM TO BE CLEANED
  - STRUCTURE TO BE ADJUSTED

FILE NAME = #FILE#

**COLLINS ENGINEERS**

USER NAME = rge11  
 PLOT SCALE = 20,0000' / 1" =  
 PLOT DATE = 9/1/2015

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

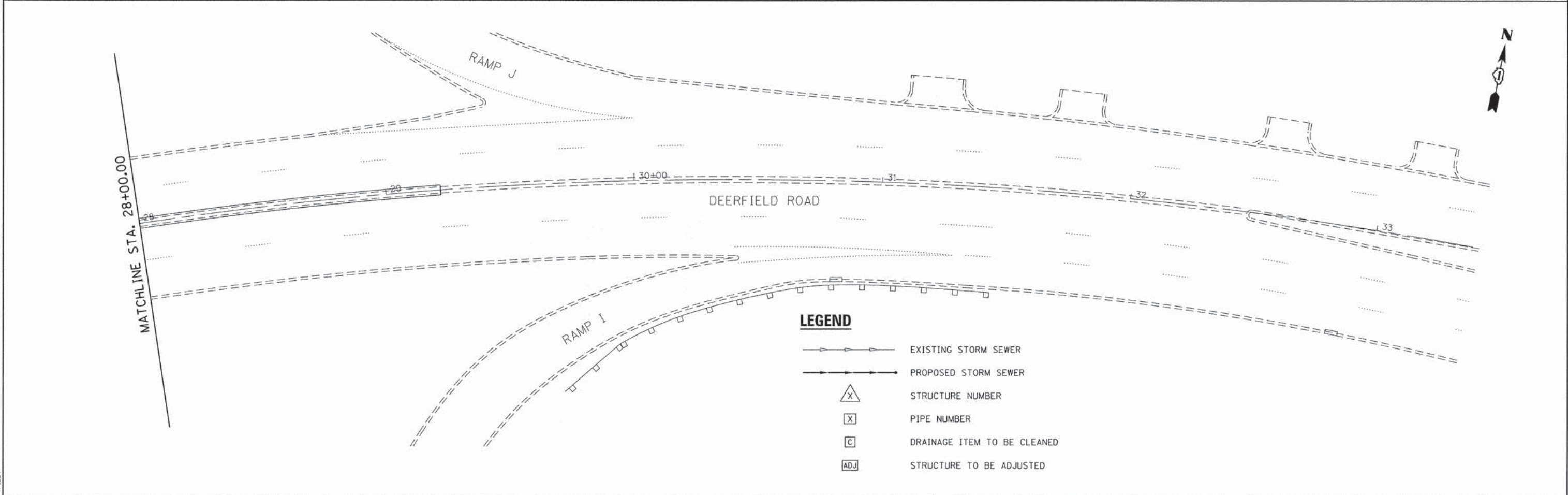
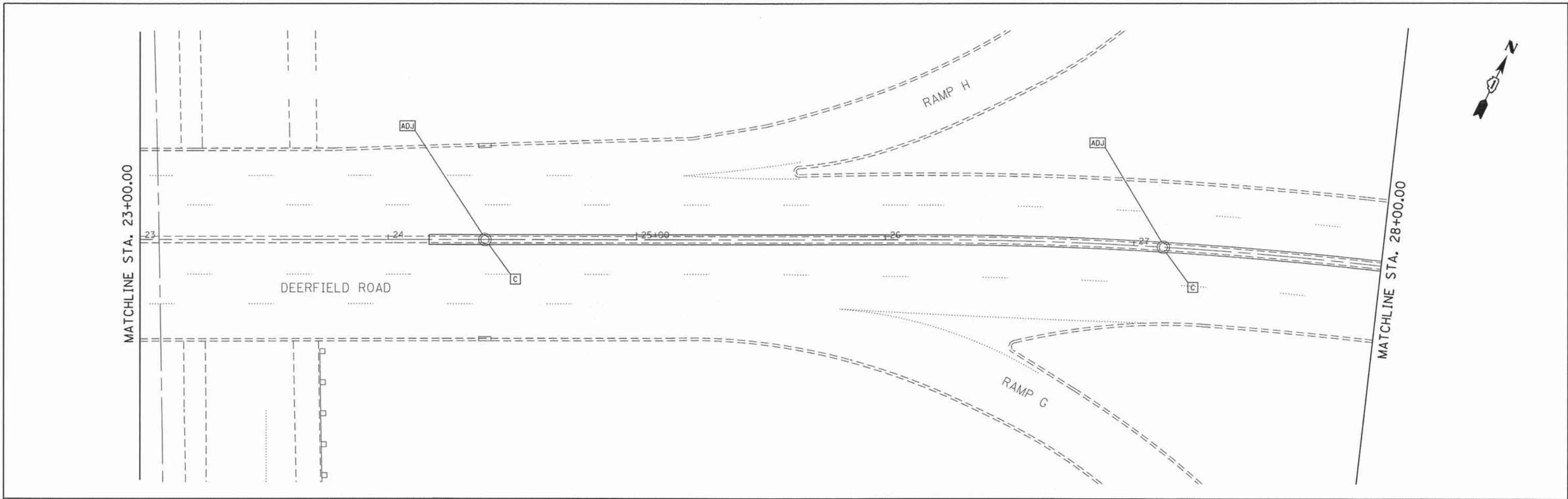
**DEERFIELD RD. OVER BERKELEY RD.  
 DRAINAGE PLAN**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 372
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

CONTRACT NO. 63882





- LEGEND**
- EXISTING STORM SEWER
  - PROPOSED STORM SEWER
  - STRUCTURE NUMBER
  - PIPE NUMBER
  - DRAINAGE ITEM TO BE CLEANED
  - STRUCTURE TO BE ADJUSTED

FILE NAME = 8FILES

**COLLINS ENGINEERS INC**

USER NAME = rgall	DESIGNED -	REVISED -
PLOT SCALE = 20,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 9/1/2015	CHECKED -	REVISED -
	DATE -	REVISED -

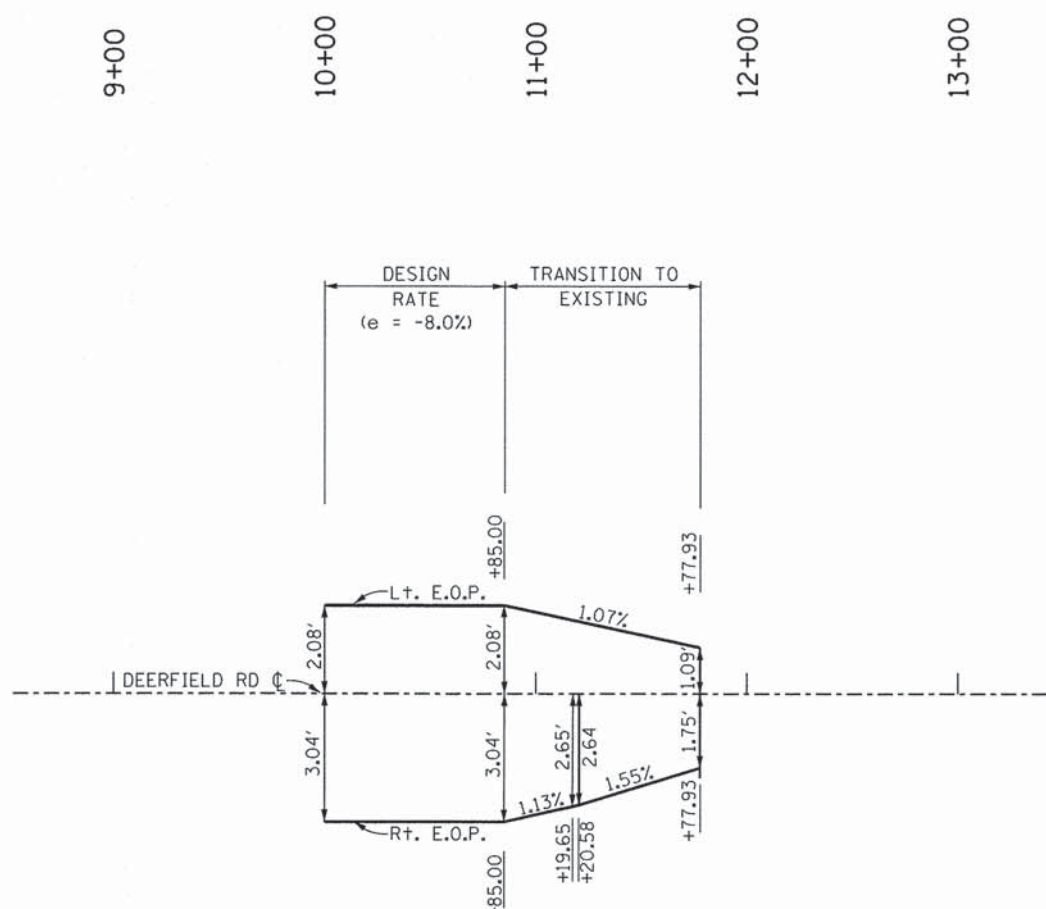
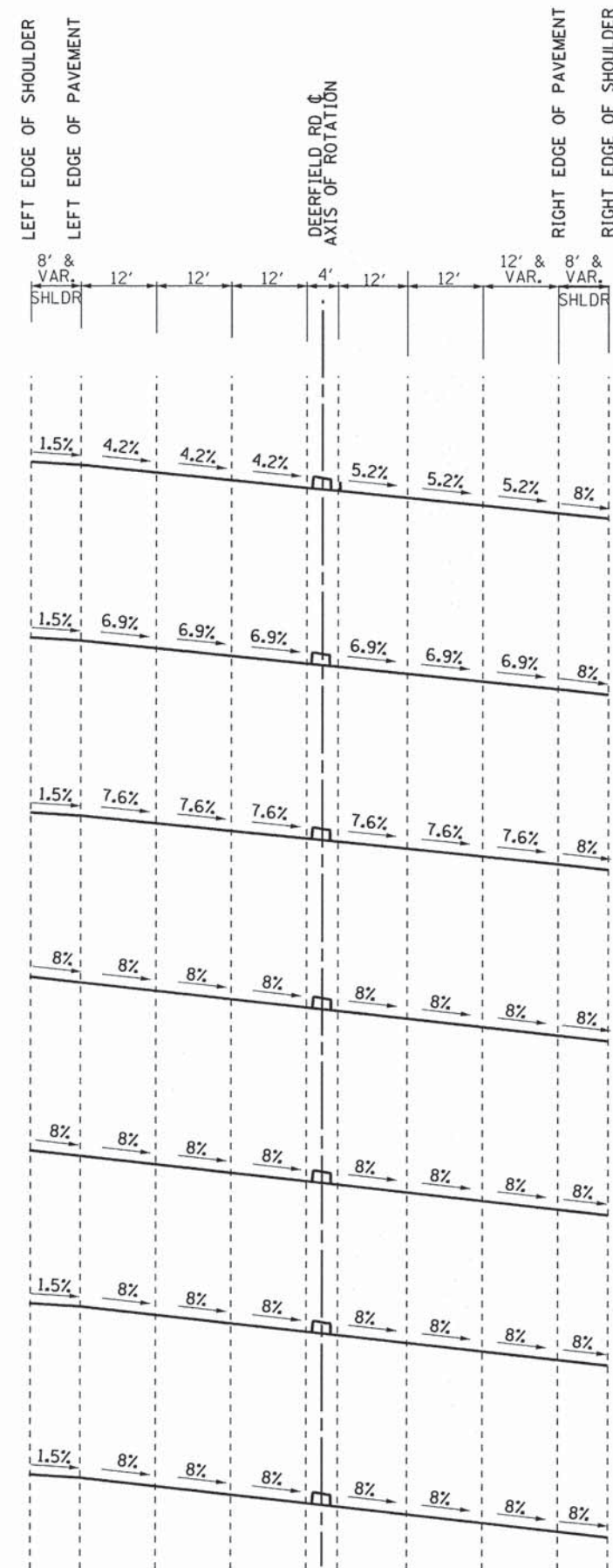
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DEERFIELD RD. OVER BERKELEY RD.  
DRAINAGE PLAN**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	373
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 63882



**SUPERELEVATION DIAGRAM**  
**DEERFIELD RD**  
 DESIGN SPEED = 40 mph

FILE NAME = #FILE#

**COLLINS ENGINEERS**

USER NAME = rgo11	DESIGNED -	REVISED -
PLOT SCALE = 20,000' / 1" =	DRAWN -	REVISED -
PLOT DATE = 9/11/2015	CHECKED -	REVISED -
	DATE -	REVISED -

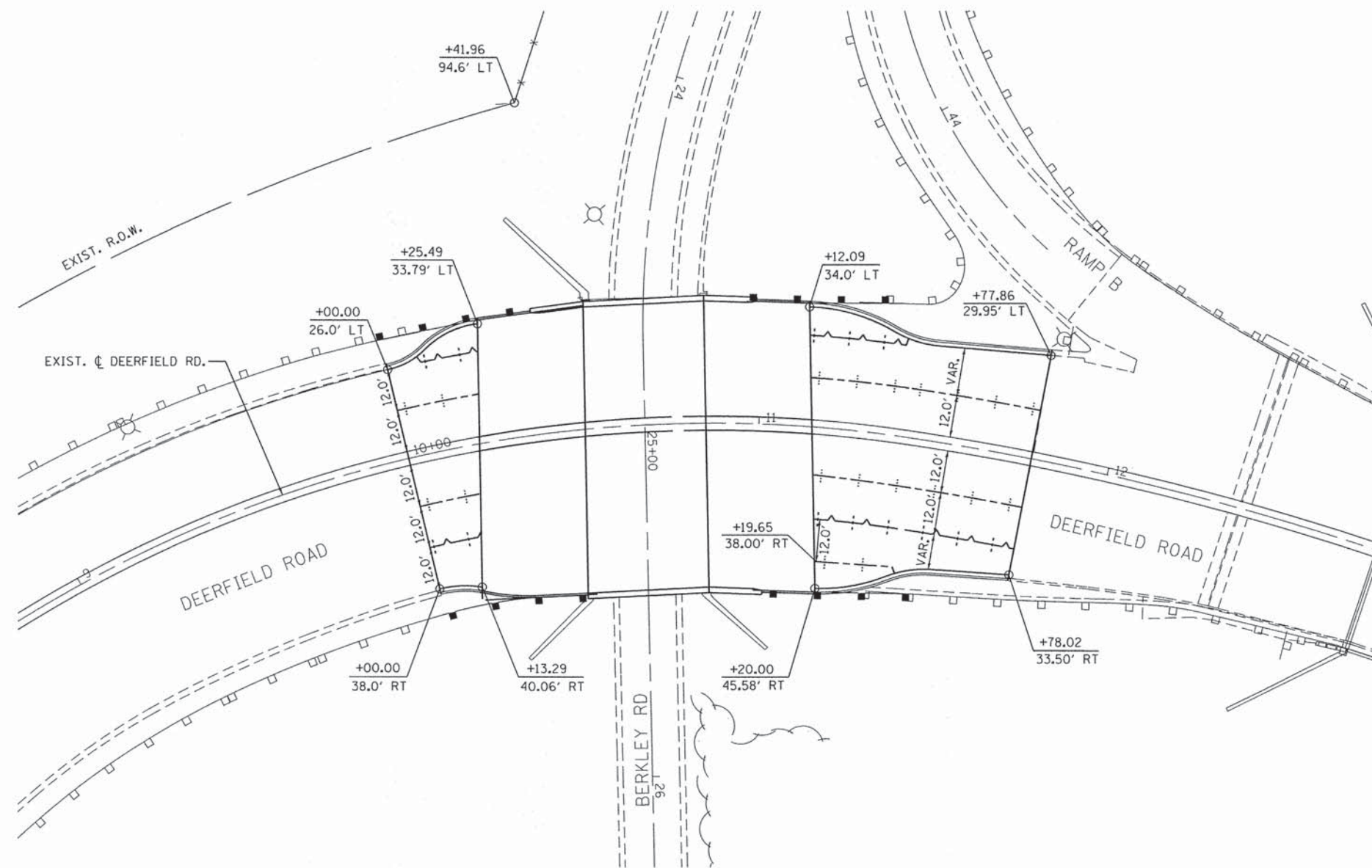
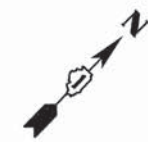
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**FAU ROUTE 1257 (DEERFIELD ROAD)**  
**SUPERELEVATION DIAGRAM**

SCALE:	SHEET NO. OF SHEETS	STA. TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	374
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				

CONTRACT NO. 63882



1. SEE HIGHWAY STD 420001 AND 420111 FOR PAVEMENT JOINT DETAILS.
2. CONCRETE STUBS SHALL HAVE A 1' MINIMUM WIDTH.

**PAVEMENT JOINT LEGEND:**

- LONGITUDINAL CONSTRUCTION JOINT WITH TIE BARS
- SAWED LONGITUDINAL JOINT

FILE NAME = #FILES

**COLLINS ENGINEERS**

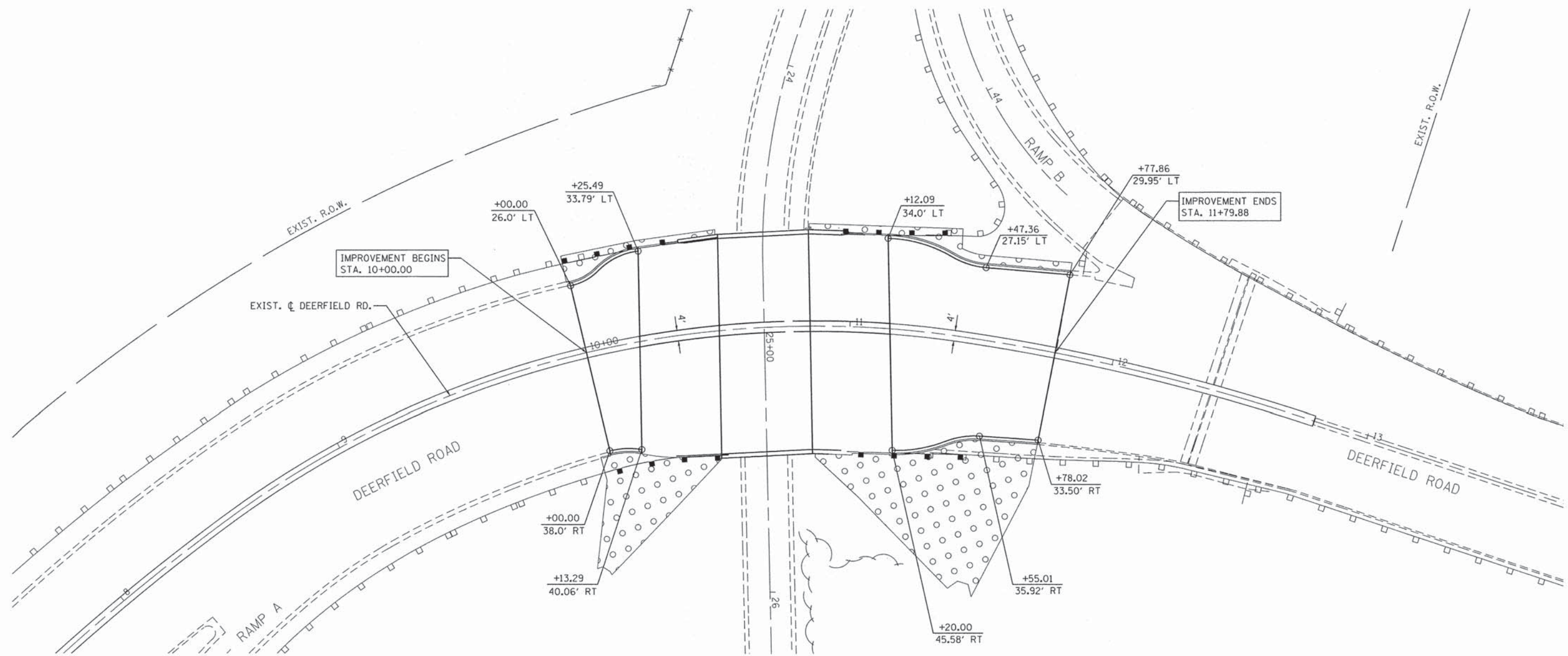
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PLOT DATE = 9/1/2015	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

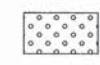
**FAU ROUTE 1257 (DEERFIELD ROAD)  
PAVEMENT JOINTING PLAN**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	375
CONTRACT NO. 63882				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**LEGEND:**

 HEAVY DUTY EROSION CONTROL BLANKET  
TOPSOIL, FURNISH AND PLACE, 4"  
SEEDING, CLASS 3

FILE NAME = #FILES

**COLLINS ENGINEERS**

USER NAME = rgs11	DESIGNED -	REVISED -
PLOT SCALE = 20,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 9/1/2015	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FAU ROUTE 1257 (DEERFIELD ROAD)  
LANDSCAPING PLAN**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

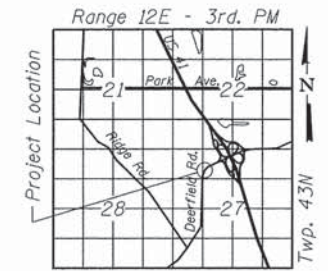
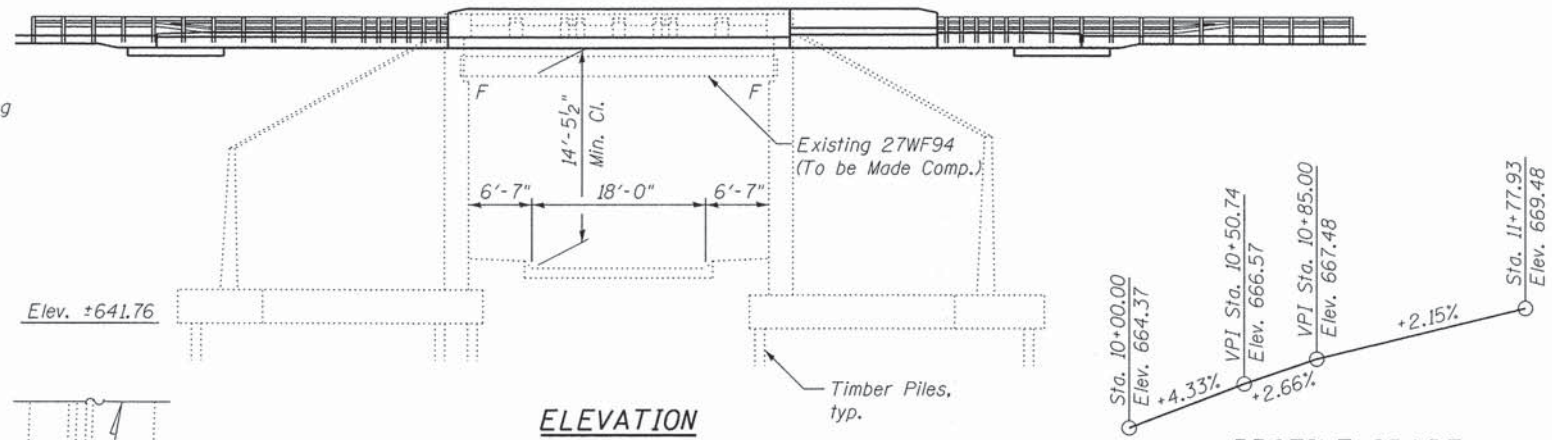
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	376
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63882	

Bench Mark: Cut "x" SE flange bolt of the first light pole west of bridge over Berkeley Road on the northside of Deerfield Rd. Sta. 9+30.38, 34.17' LT, El. 665.489.

Existing Structure: S.N. 049-0072 built in 1961 as FAS-8 Section ZK-HB Structure consists of a single span non-composite reinforced concrete deck on steel WF beams supported on closed abutments. 36'-3" back-to-back abutments. 84'-5" out-to-out deck.

Concrete deck to be removed and replaced using Stage Construction. Berkeley Rd. (Ramp A) onto northbound Deerfield Rd. will be detoured during Stage II due to taper length requirements.

No Salvage.



LOCATION SKETCH

**LOADING HS20-44**

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

**DESIGN SPECIFICATIONS**  
2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition

**DESIGN STRESSES**

**FIELD UNITS (New Construction)**

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

**FIELD UNITS (Exist. Construction)**

$f_c = 1,000$  psi (Substructure)  
 $f_c = 1,400$  psi (Superstructure)  
 $f_s = 18,000$  psi (Structural Steel)  
 $f_s = 20,000$  psi (Reinforcement)

**SEISMIC DATA**

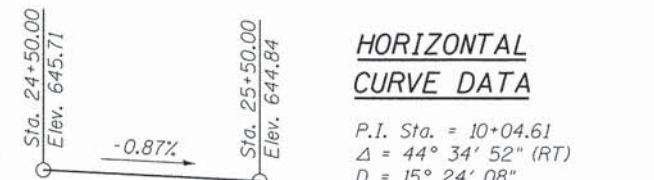
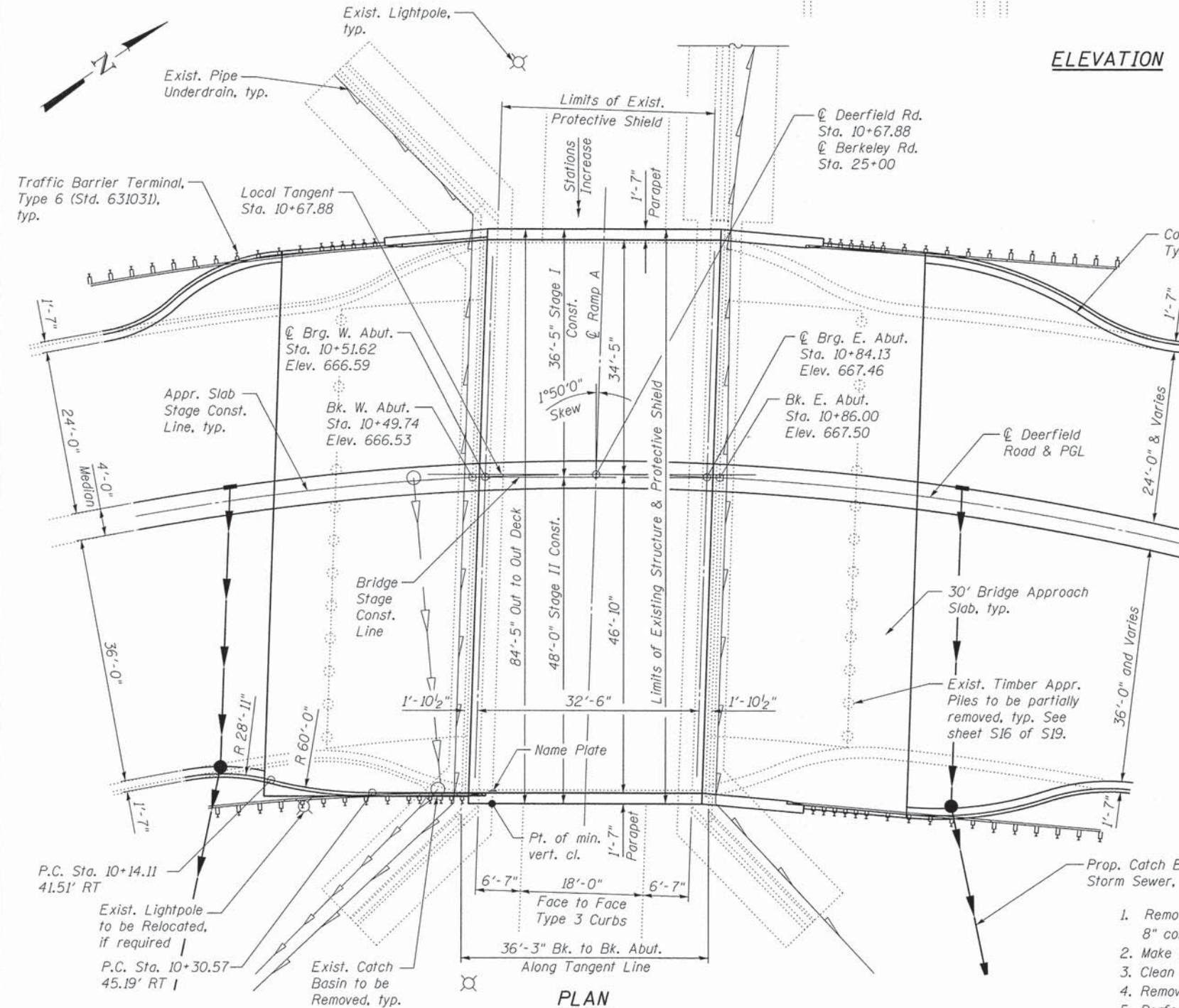
Seismic Performance Zone (SPC) = A  
Horizontal Bedrock Acceleration Coefficient (A) = 0.035g  
Site Coefficient (S) = 1.0

STATION 10+67.88  
RE-BUILT 2011 BY  
STATE OF ILLINOIS  
FAU RT. 1257  
SECTION ZW-RS-1 & 104R-HB-1  
LOADING HS20  
STR. NO. 049-0072

**NAME PLATE**

(See Std. 515001)

Existing Name Plate shall be cleaned & relocated next to new Name Plate. Cost included with Name Plates.



**HORIZONTAL CURVE DATA**

P.I. Sta. = 10+04.61  
 $\Delta = 44^\circ 34' 52''$  (RT)  
 $D = 15^\circ 24' 08''$   
 $R = 372.00'$   
 $T = 152.50'$   
 $L = 289.45'$   
 $E = 30.04'$   
 $S.E. = 0.08'/ft$   
P.C. Sta. = 8+52.12  
P.T. Sta. = 11+41.57  
S.E. Transition Sta. 10+85.00 to Sta. 13+30.00

**PROFILE GRADE**  
(Along Berkeley Road)

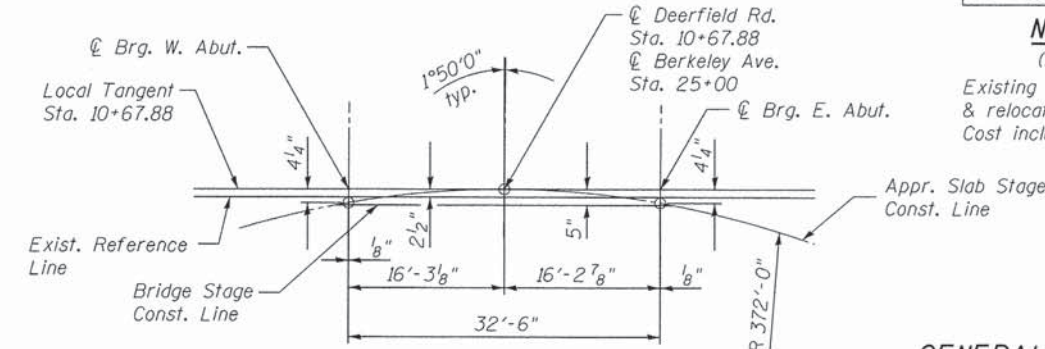
Sta. 24+50.00 Elev. 645.71  
Sta. 25+50.00 Elev. 644.84



**COLLINS ENGINEERS, INC.**  
EWA MROCEK, P.E., S.E.  
NO. 081-006067  
EXP.: 11/30/2016

**APPROVED**  
FOR STRUCTURAL ADEQUACY ONLY

*E. Carl Krupp*  
ENGINEER OF BRIDGES AND STRUCTURES



**OFFSET SKETCH**  
(Along Deerfield Rd.)

**SCOPE OF WORK**

1. Remove existing 7" concrete deck with Protective Shield and replace with 8" concrete deck.
2. Make deck composite with existing steel beams.
3. Clean and paint existing steel beams, diaphragms and bearings.
4. Remove existing 20' approach pavements and replace with 30' approach slabs.
5. Perform substructure repairs.

F.A.U. RT. 1257 - SEC. ZW-RS-1 & 104R-HB-1

LAKE COUNTY  
STATION 10+67.88  
STRUCTURE NO. 049-0072

**COLLINS ENGINEERS**  
113 N. Wacker Dr.  
Suite 900  
Chicago, IL 60606  
Tel: (312) 304-8300  
Fax: (312) 704-9320  
www.collinsengr.com  
ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 081-000913

USER NAME =	DESIGNED - AMS	REVISED
PLDT SCALE =	CHECKED - EKM	REVISED
PLDT DATE =	DRAWN - DR	REVISED
	CHECKED - AMS	REVISED

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

**GENERAL PLAN & ELEVATION**  
**STRUCTURE NO. 049-0072**  
SHEET NO. 51 OF 519 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	377
CONTRACT NO. 63882				

ILLINOIS FED. AID PROJECT

**INDEX OF SHEETS**

- S1. General Plan and Elevation
- S2. General Notes, Bill of Materials and Index of Sheets
- S3. Stage Construction Details
- S4. Temporary Concrete Barrier for Stage Construction
  
- S5-7. Top of Slab Elevations
- S8. Top of West Approach Slab Elevations
- S9. Top of East Approach Slab Elevations
- S10. Superstructure
- S11. Superstructure Details
- S12. Diaphragm Details
- S13. Concrete Parapet Slipforming Option
- S14. West Approach Slab
- S15. East Approach Slab
- S16. Approach Slab Details
- S17. Steel Framing Plan and Details
- S18. Abutment Repairs
- S19. Bar Splicer Assembly and Mechanical Splicer Details

**GENERAL NOTES:**

No field welding is permitted except as specified in the contract documents.

Reinforcement bars designated (E) shall be epoxy coated.

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer.

Any cracks that cannot be removed by grinding 1/4 inch deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

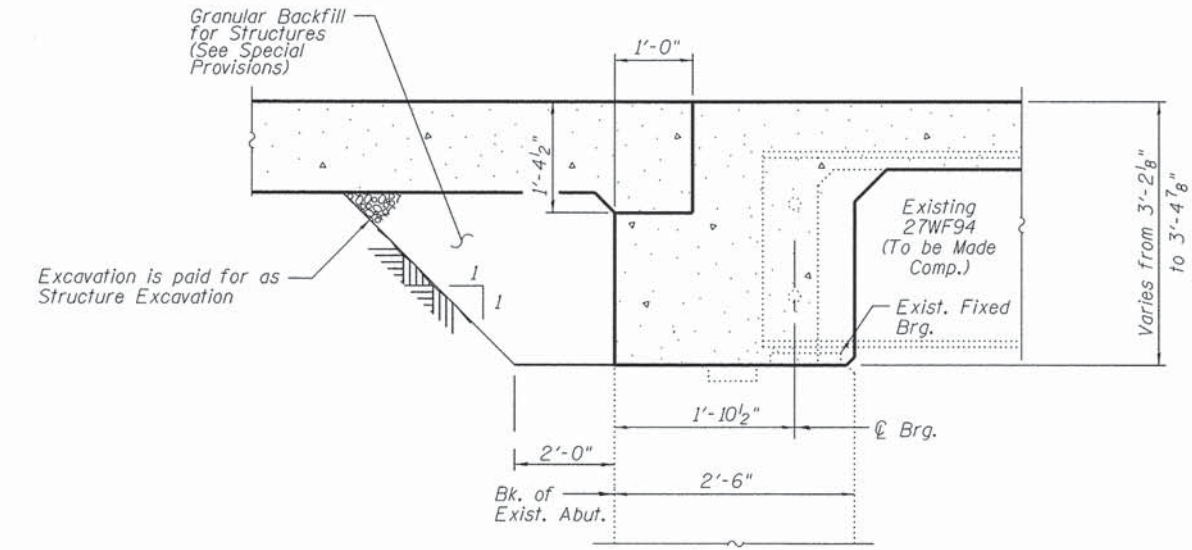
The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

Cleaning and painting of the existing structural steel shall be as specified in the Special Provision for "Cleaning and Painting Existing Steel Structures". All existing structural steel including beams, diaphragms and bearings shall be cleaned per near white blast cleaning - SSPC - SP10. All existing steel shall be painted according to the requirements of paint system 1 - Oz/E/U. The color of the final finish coat for all interior steel surfaces shall be Gray, Munsell No. 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Gray, Munsell No. 5B 7/1.

In addition to the requirements of Article 501.03 in the Standard Specifications, the Contractor shall evaluate the condition of the existing Protective Shield. Such evaluation shall be performed by a licensed Structural Engineer in Illinois. The cost of this evaluation is included with Protective Shield. If structurally adequate, the existing Protective Shield shall remain in place for demolition of the existing bridge deck. The Contractor shall be paid for his work based on the total quantity of existing and new Protective Shield actually required at the contract unit price per square yard for Protective Shield.

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Concrete Deck	Each	1		1
Protective Shield	Sq. Yd.	293		293
Structure Excavation	Cu. Yd.	76		76
Concrete Structures	Cu. Yd.		51	51
Concrete Superstructure	Cu. Yd.	358.2		358.2
Bridge Deck Grooving	Sq. Yd.	841		841
Protective Coat	Sq. Yd.	927		927
Stud Shear Connectors	Each	1,722		1,722
Reinforcement Bars, Epoxy Coated	Pound	76,630	8,940	85,570
Bar Splicers	Each	253	80	333
Name Plates	Each	1		1
Epoxy Crack Injection	Foot		280	280
Granular Backfill for Structures	Cu. Yd.	39		39
Containment and Disposal of Lead Paint Cleaning Residues	L.Sum	1		1
Cleaning and Painting Steel Bridge No. 1	L.Sum	1		1
Structural Repair of Concrete (Depth Equal to or Less than 5")	Sq. Ft.		54	54
Structural Repair of Concrete (Depth Greater than 5")	Sq. Ft.		26	26
TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE SPECIAL)	EACH	10		10

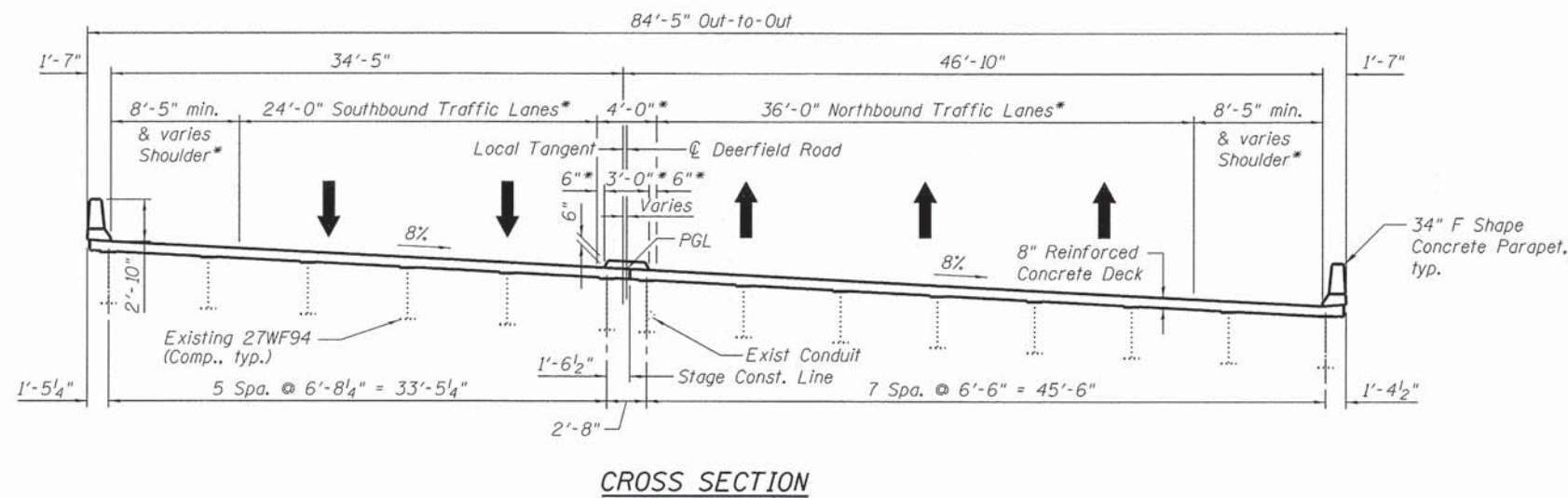
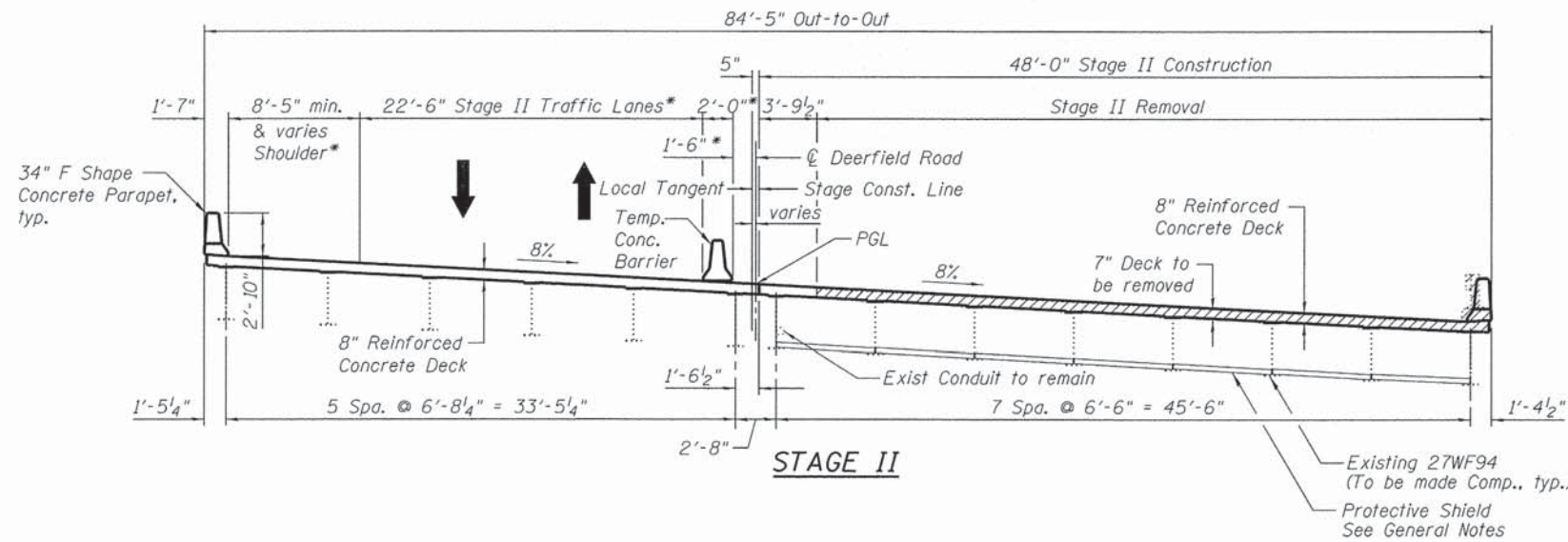
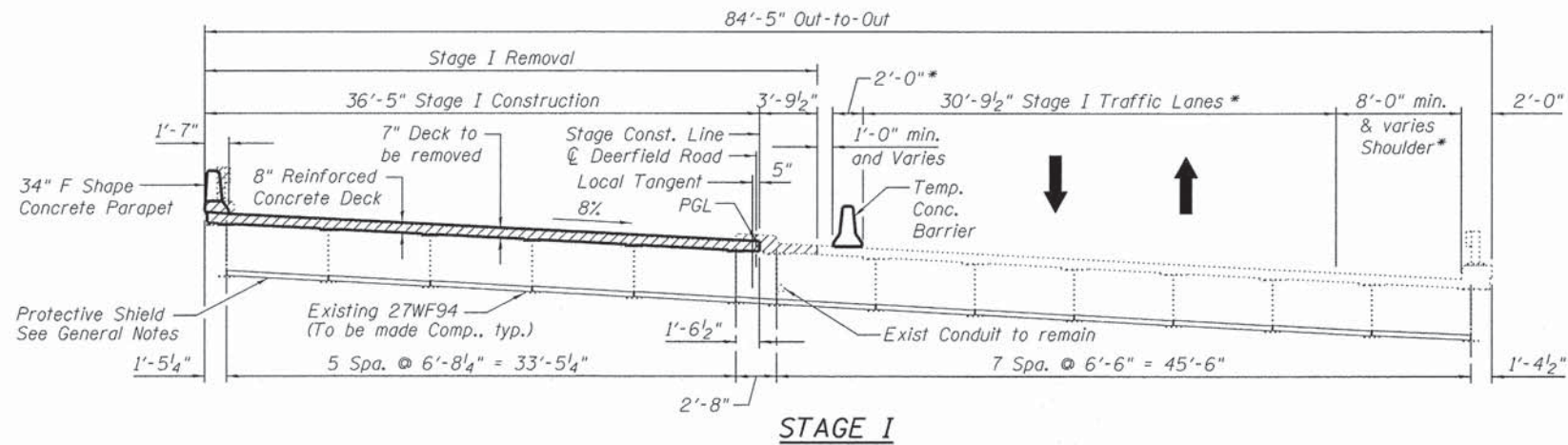


**SECTION THRU ABUTMENTS**

(Horizontal Dimensions @ Right Angles to Abutment)

USER NAME =	DESIGNED - AMS	REVISED
	CHECKED - EKM	REVISED
PLOT SCALE =	DRAWN - DR	REVISED
PLOT DATE =	CHECKED - AMS	REVISED

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	378
			CONTRACT NO. 63882	
ILLINOIS FED. AID PROJECT				



\* Radial dimensions.

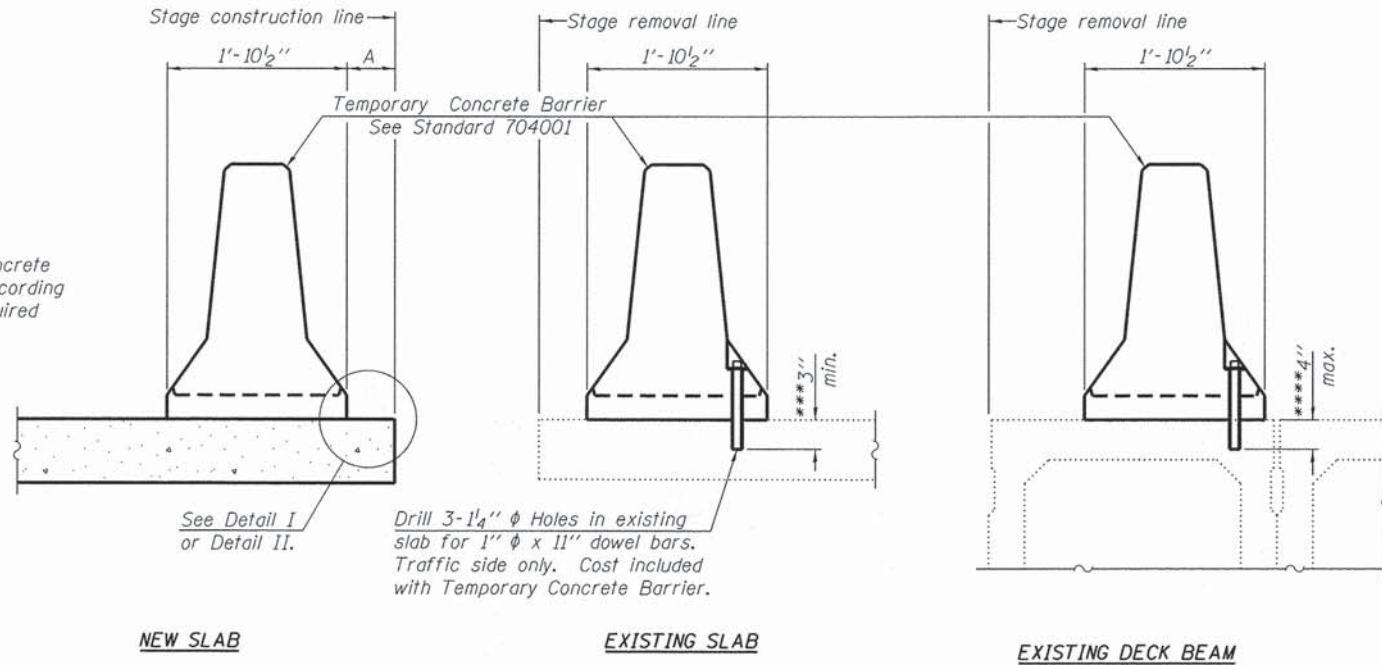
Notes:

- All staging cross sections looking Northeast.
- Hatched area indicates Removal of Existing Concrete Deck with a parapet wall.
- The cost of removal and disposal of the existing Railing is included with Removal of Existing Concrete Deck.
- The Contractor shall mark the top surface of the existing deck to identify the location and limits of the top flanges of the girders prior to the commencement of deck removal operation. When a girder is damaged by deck removal operations, it is the Contractor's responsibility to repair the damage at his/her own expense.
- For quantity of Temporary Concrete Barrier, see roadway plans.
- The median will be installed during Stage III. For Maintenance of Traffic, see roadway plans.

USER NAME =	DESIGNED - AMS	REVISED
	CHECKED - EKM	REVISED
PLOT SCALE =	DRAWN - DR	REVISED
PLOT DATE =	CHECKED - AMS	REVISED

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	379
CONTRACT NO. 63882				

When "A" is 3'-6" or less, the temporary concrete barrier shall be anchored to the new slab according to Detail I or Detail II. No anchorage is required when "A" is greater than 3'-6".



**SECTIONS THRU SLAB OR DECK BEAM**

**NOTES**

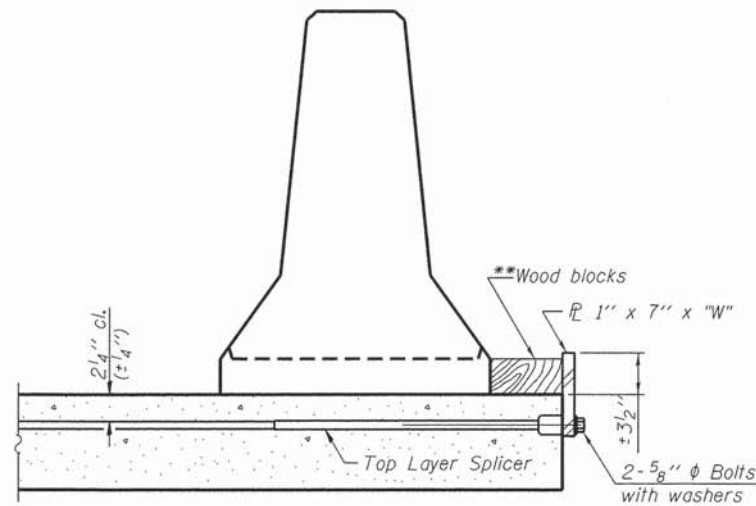
Detail I - With Bar Splicer or Couplers:  
Connect one (1) 1" x 7" x "W" steel PL to the top layer of couplers with 2-5/8" φ bolts screwed to coupler at approximate C of each barrier panel.

Detail II - With Extended Reinforcement Bars:  
Connect one (1) 1" x 7" x "W" steel PL to the concrete slab or concrete wearing surface with 2-5/8" φ Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate C of each barrier panel.

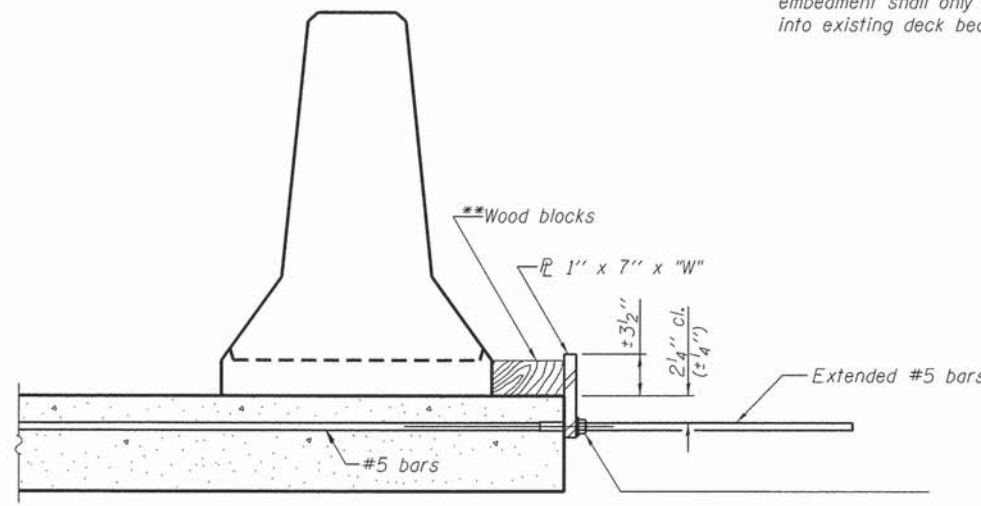
Cost of anchorage is included with Temporary Concrete Barrier. The 1" x 7" x "W" plate shall not be removed until stage II construction forms and all reinforcement bars are in place and the concrete is ready to be placed.

\*\*\* Dimension shown is minimum required embedment into concrete. If hot-mix asphalt wearing surface is present, minimum embedment shall be in addition to wearing surface depth.

\*\*\*\* If existing deck beam is to remain in place after stage construction, embedment shall only be into wearing surface and not into existing deck beam concrete.



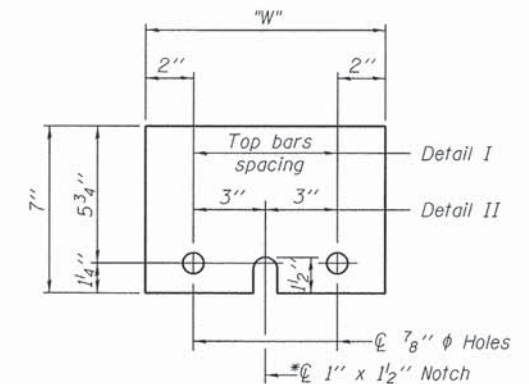
**DETAIL I**



**DETAIL II**

\*\* Wood blocks may be omitted when required to provide minimum stage traffic lane width. When the wood blocks are omitted, the concrete barrier shall be in direct contact with the steel retainer plate.

"W" = Top bars spacing + 4"



**STEEL RETAINER PL 1" x 7" x "W"**

\* Required only with Detail II

R-27 7-1-10

**COLLINS ENGINEERS**  
123 N. Rockwell Dr.  
Suite 900  
Chicago, IL 60606  
Phone: (312) 704-9300  
Fax: (312) 704-9320  
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USER NAME =	DESIGNED - AMS	REVISED
	CHECKED - EKM	REVISED
PLOT SCALE =	DRAWN - DR	REVISED
PLOT DATE =	CHECKED - AMS	REVISED

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

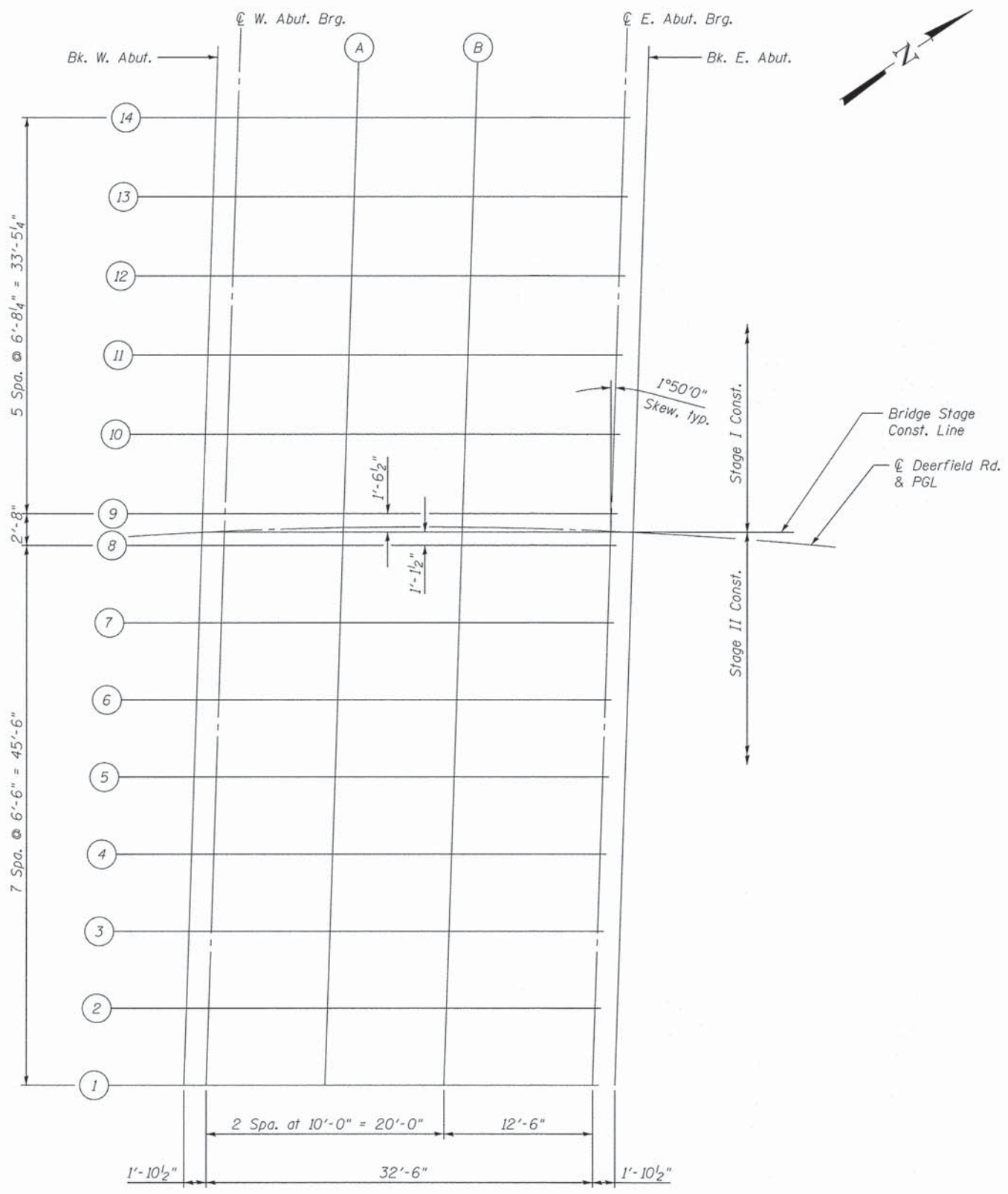
**TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION  
STRUCTURE NO. 049-0072**

SHEET NO. S4 OF S19 SHEETS

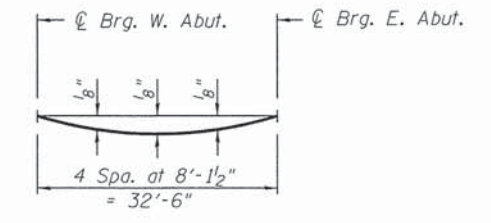
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	380
			CONTRACT NO. 63882	

ILLINOIS FED. AID PROJECT



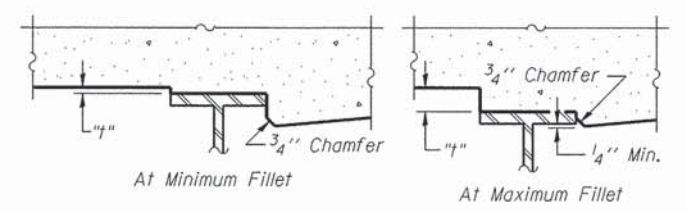


**PLAN**



**DEAD LOAD DEFLECTION DIAGRAM**  
(Includes weight of concrete only.)

Note:  
The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown on sheets S6 and S7 of S19.



To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown on sheet S5 of S19. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on sheets S6 and S7 of S19, minus slab thickness, equals the fillet heights "t" above top flange of beams.

**FILLET HEIGHTS**

USER NAME =	DESIGNED - AMS	REVISED
	CHECKED - EKM	REVISED
PLOT SCALE =	DRAWN - DR	REVISED
PLOT DATE =	CHECKED - AMS	REVISED

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	381
CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	10+45.44	46.45	662.62	662.62
☉ W. Abut. Brg.	10+47.58	46.56	662.71	662.71
A	10+59.01	46.95	663.03	663.05
B	10+70.45	47.03	663.33	663.35
☉ E. Abut. Brg.	10+84.75	46.71	663.74	663.74
Bk. E. Abut.	10+86.89	46.62	663.79	663.79

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	10+46.11	39.97	663.17	663.17
☉ W. Abut. Brg.	10+48.21	40.08	663.25	663.25
A	10+59.41	40.46	663.56	663.58
B	10+70.64	40.53	663.86	663.87
☉ E. Abut. Brg.	10+84.65	40.20	664.25	664.25
Bk. E. Abut.	10+86.75	40.11	664.31	664.31

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	10+46.76	33.50	663.72	663.72
☉ W. Abut. Brg.	10+48.81	33.60	663.80	663.80
A	10+59.81	33.96	664.09	664.11
B	10+70.98	34.03	664.39	664.40
☉ E. Abut. Brg.	10+84.47	33.70	664.77	664.77
Bk. E. Abut.	10+86.49	33.61	664.82	664.82

BEAM 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	10+47.38	27.02	664.26	664.26
☉ W. Abut. Brg.	10+49.40	27.12	664.34	664.34
A	10+60.18	27.47	664.62	664.64
B	10+70.98	27.53	664.91	664.92
☉ E. Abut. Brg.	10+84.47	27.20	665.29	665.29
Bk. E. Abut.	10+86.49	27.11	665.34	665.34

BEAM 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	10+47.98	20.54	664.81	664.81
☉ W. Abut. Brg.	10+49.96	20.63	664.89	664.89
A	10+60.55	20.97	665.15	665.17
B	10+71.14	21.03	665.43	665.44
☉ E. Abut. Brg.	10+84.38	20.70	665.81	665.81
Bk. E. Abut.	10+86.37	20.61	665.86	665.86

BEAM 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	10+48.55	14.06	665.35	665.35
☉ W. Abut. Brg.	10+50.50	14.15	665.43	665.43
A	10+60.89	14.48	665.68	665.69
B	10+71.30	14.53	665.95	665.97
☉ E. Abut. Brg.	10+84.30	14.19	666.33	666.33
Bk. E. Abut.	10+86.25	14.10	666.38	666.38

BEAM 7

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	10+49.11	7.58	665.89	665.89
☉ W. Abut. Brg.	10+51.02	7.67	665.96	665.96
A	10+61.23	7.98	666.21	666.22
B	10+71.45	8.02	666.48	666.49
☉ E. Abut. Brg.	10+84.22	7.69	666.84	666.84
Bk. E. Abut.	10+86.13	7.60	666.90	666.90

BEAM 8

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	10+49.65	1.10	666.43	666.43
☉ W. Abut. Brg.	10+51.53	1.18	666.50	666.50
A	10+61.56	1.49	666.74	666.75
B	10+71.60	1.52	667.00	667.02
☉ E. Abut. Brg.	10+84.14	1.19	667.36	667.36
Bk. E. Abut.	10+86.02	1.10	667.41	667.41

STAGE CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	10+49.74	0.00	666.53	666.53
☉ W. Abut. Brg.	10+51.61	0.06	666.59	666.59
A	10+61.61	0.37	666.83	666.84
B	10+71.62	0.40	667.09	667.11
☉ E. Abut. Brg.	10+84.13	0.06	667.45	667.45
Bk. E. Abut.	10+86.00	0.00	667.50	667.50

☉ DEERFIELD RD. & PGL

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	10+49.74	0.00	666.53	666.53
☉ W. Abut. Brg.	10+51.62	0.00	666.59	666.59
A	10+61.63	0.00	666.86	666.87
B	10+71.63	0.00	667.12	667.14
☉ E. Abut. Brg.	10+84.13	0.00	667.46	667.46
Bk. E. Abut.	10+86.00	0.00	667.50	667.50

BEAM 9

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	10+49.86	-1.56	666.66	666.66
☉ W. Abut. Brg.	10+51.73	-1.48	666.71	666.71
A	10+61.69	-1.18	666.96	666.97
B	10+71.66	-1.14	667.22	667.23
☉ E. Abut. Brg.	10+84.11	-1.48	667.57	667.57
Bk. E. Abut.	10+85.97	-1.57	667.63	667.63

BEAM 10

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	10+50.39	-8.23	667.21	667.21
☉ W. Abut. Brg.	10+52.22	-8.15	667.26	667.26
A	10+62.01	-7.86	667.50	667.51
B	10+71.80	-7.83	667.76	667.77
☉ E. Abut. Brg.	10+84.03	-8.17	668.11	668.11
Bk. E. Abut.	10+85.86	-8.26	668.16	668.16

BEAM 11

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	10+50.89	-14.90	667.77	667.77
☉ W. Abut. Brg.	10+52.70	-14.82	667.81	667.81
A	10+62.31	-14.54	668.04	668.05
B	10+71.94	-14.52	668.29	668.31
☉ E. Abut. Brg.	10+83.96	-14.86	668.64	668.64
Bk. E. Abut.	10+85.76	-14.95	668.69	668.69

BEAM 12

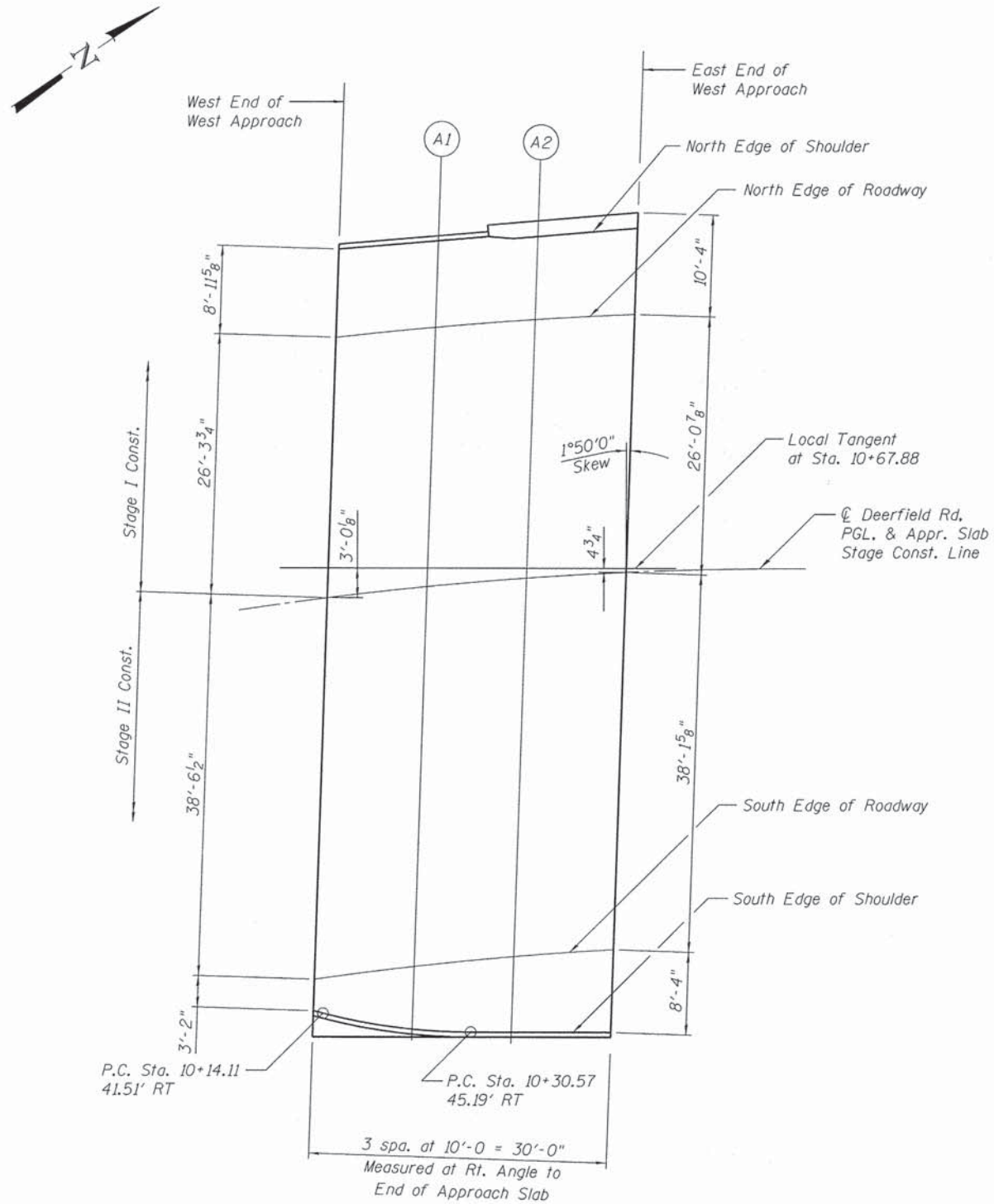
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	10+51.38	-21.57	668.31	668.31
☉ W. Abut. Brg.	10+53.60	-21.49	668.37	668.37
A	10+62.90	-21.23	668.59	668.60
B	10+72.20	-21.21	668.84	668.85
☉ E. Abut. Brg.	10+83.82	-21.55	669.17	669.17
Bk. E. Abut.	10+85.56	-21.64	669.22	669.22

BEAM 13

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	10+51.86	-28.25	668.86	668.86
☉ W. Abut. Brg.	10+53.60	-28.17	668.90	668.90
A	10+62.90	-27.91	669.13	669.14
B	10+72.20	-27.90	669.37	669.39
☉ E. Abut. Brg.	10+83.82	-28.24	669.71	669.71
Bk. E. Abut.	10+85.56	-28.33	669.76	669.76

BEAM 14

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	10+52.32	-34.92	669.41	669.41
☉ W. Abut. Brg.	10+54.03	-34.84	669.44	669.44
A	10+63.17	-34.59	669.67	669.68
B	10+72.32	-34.59	669.91	669.92
☉ E. Abut. Brg.	10+83.75	-34.93	670.24	670.24
Bk. E. Abut.	10+85.46	-35.02	670.29	670.29



PLAN

NORTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
West End of West Approach	10+25.63	-34.87	667.70
A1	10+34.84	-34.72	668.09
A2	10+44.01	-34.39	668.80
East End of West Approach	10+53.22	-34.73	669.41

NORTH EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
West End of West Approach	10+24.42	-26.00	667.51
A1	10+33.85	-26.00	667.92
A2	10+43.26	-26.00	668.33
East End of West Approach	10+52.64	-26.00	668.70

CL DEERFIELD RD., PGL & STAGE CONST. LINE

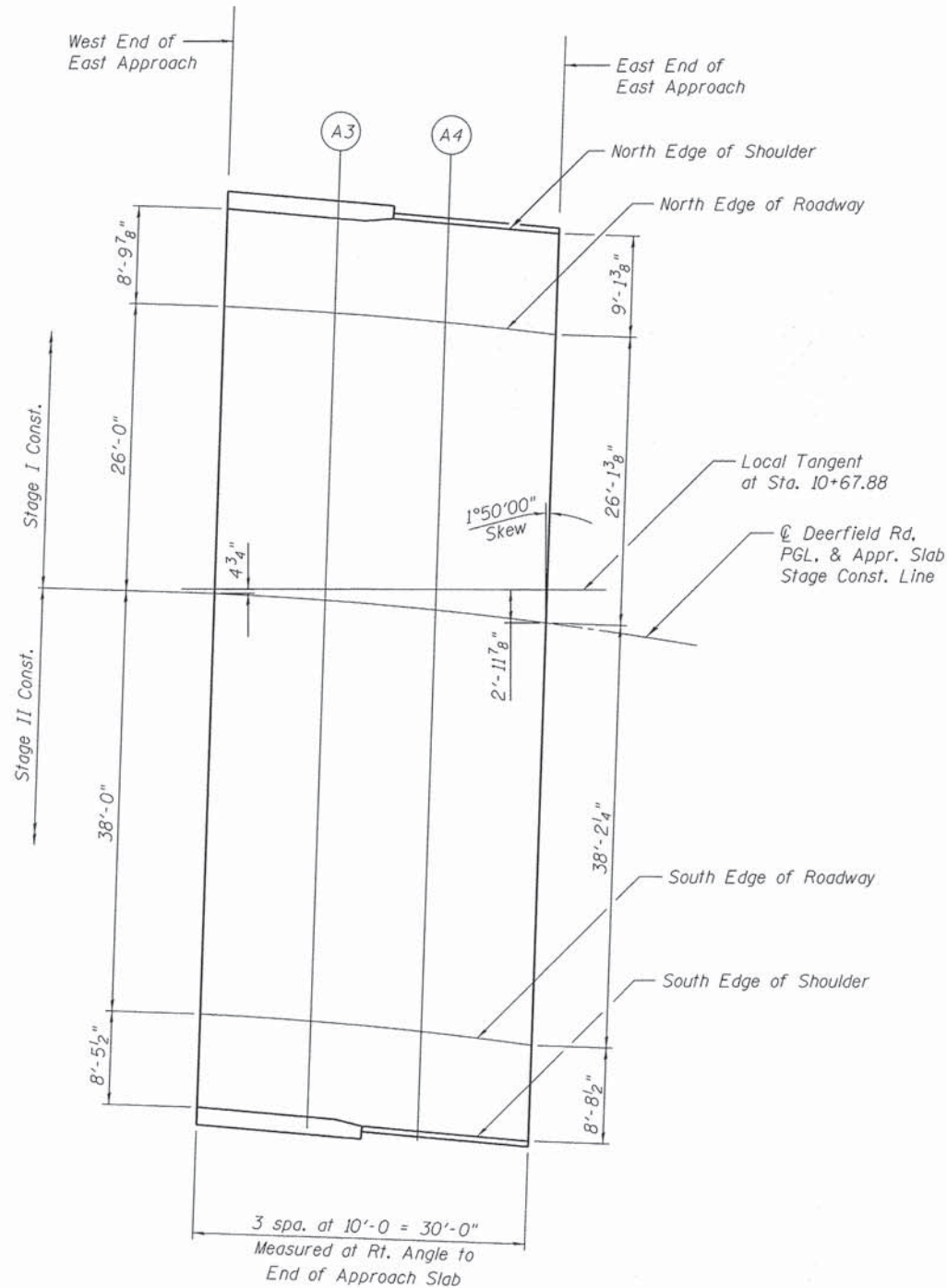
Location	Station	Offset	Theoretical Grade Elevations
West End of West Approach	10+20.52	0.00	665.26
A1	10+30.62	0.00	665.70
A2	10+40.70	0.00	666.13
East End of West Approach	10+50.74	0.00	666.57

SOUTH EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
West End of West Approach	10+13.71	38.00	661.92
A1	10+25.00	38.00	662.41
A2	10+36.70	38.00	662.90
East End of West Approach	10+47.43	38.00	663.39

SOUTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
West End of West Approach	10+13.08	41.12	661.65
A1	10+23.94	44.26	661.87
A2	10+35.22	45.58	662.25
East End of West Approach	10+46.60	46.30	662.69



PLAN

NORTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
West End of East Approach	10+84.55	-34.83	670.25
A3	10+93.71	-34.52	669.29
A4	11+02.85	-34.89	669.62
East End of East Approach	11+12.00	-35.08	669.72

NORTH EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
West End of East Approach	10+84.66	-26.00	669.55
A3	10+94.01	-26.00	669.66
A4	11+03.37	-26.00	669.76
East End of East Approach	11+12.74	-26.00	669.86

CL DEERFIELD RD., PGL & STAGE CONST. LINE

Location	Station	Offset	Theoretical Grade Elevations
West End of East Approach	10+85.00	0.00	667.48
A3	10+95.00	0.00	667.70
A4	11+05.02	0.00	667.91
East End of East Approach	11+15.05	0.00	668.13

SOUTH EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
West End of East Approach	10+85.60	38.00	664.45
A3	10+96.73	38.00	664.82
A4	11+07.86	38.00	665.20
East End of East Approach	11+19.00	38.00	665.56

SOUTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
West End of East Approach	10+85.75	46.46	663.78
A3	10+97.19	46.69	664.14
A4	11+08.68	47.04	664.49
East End of East Approach	11+20.13	46.66	664.90

E-AS

7-1-10

**COLLINS ENGINEERS**  
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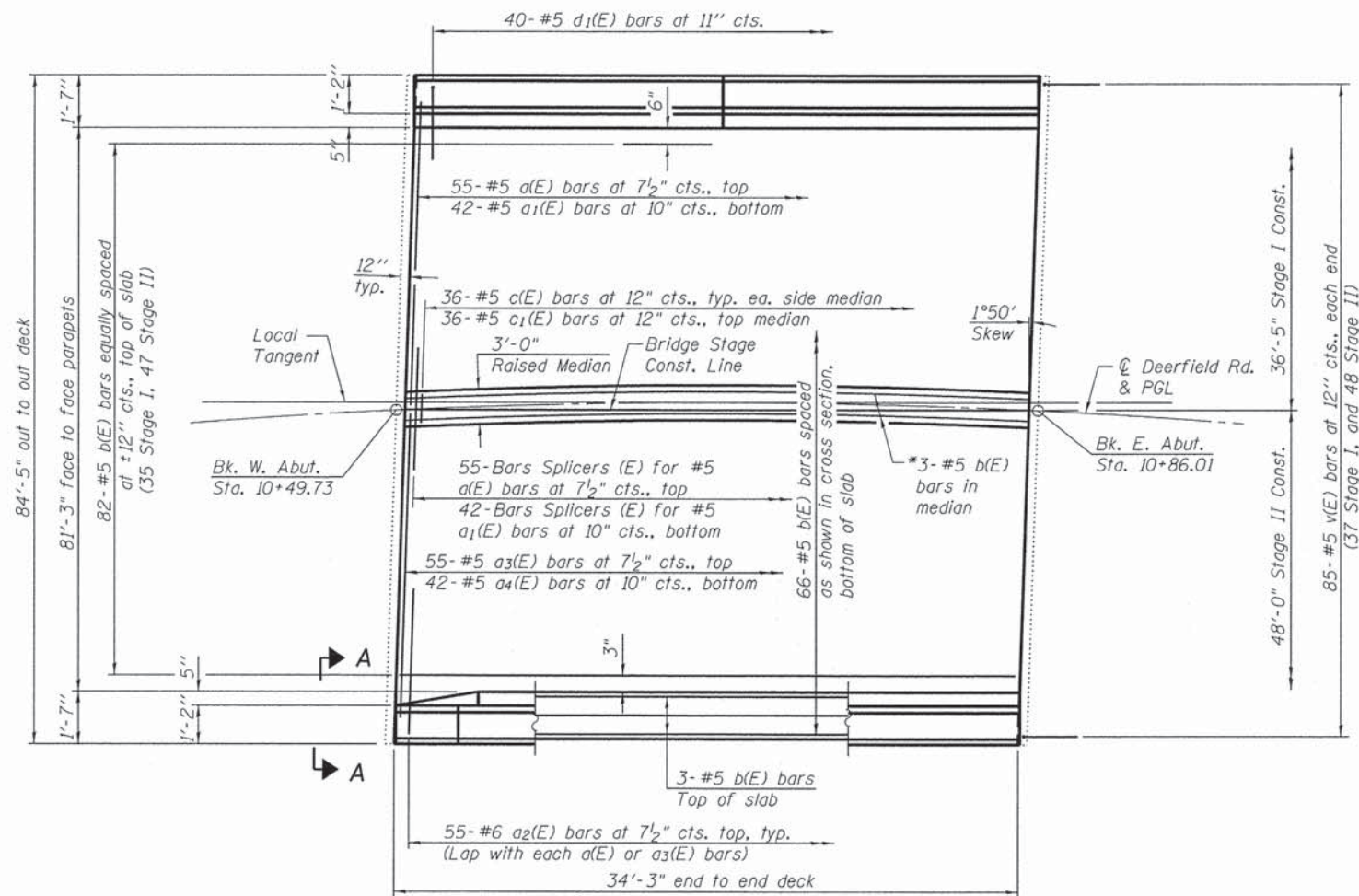
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CHECKED - EKM	REVISIONS	
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PLOT DATE =	CHECKED - AMS	REVISED

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

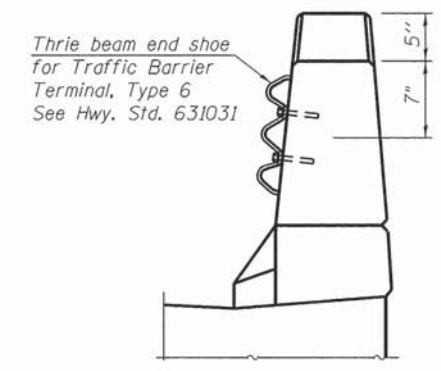
TOP OF EAST APPROACH SLAB ELEVATIONS  
 STRUCTURE NO. 049-0072

SHEET NO. 59 OF 519 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	385
CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				



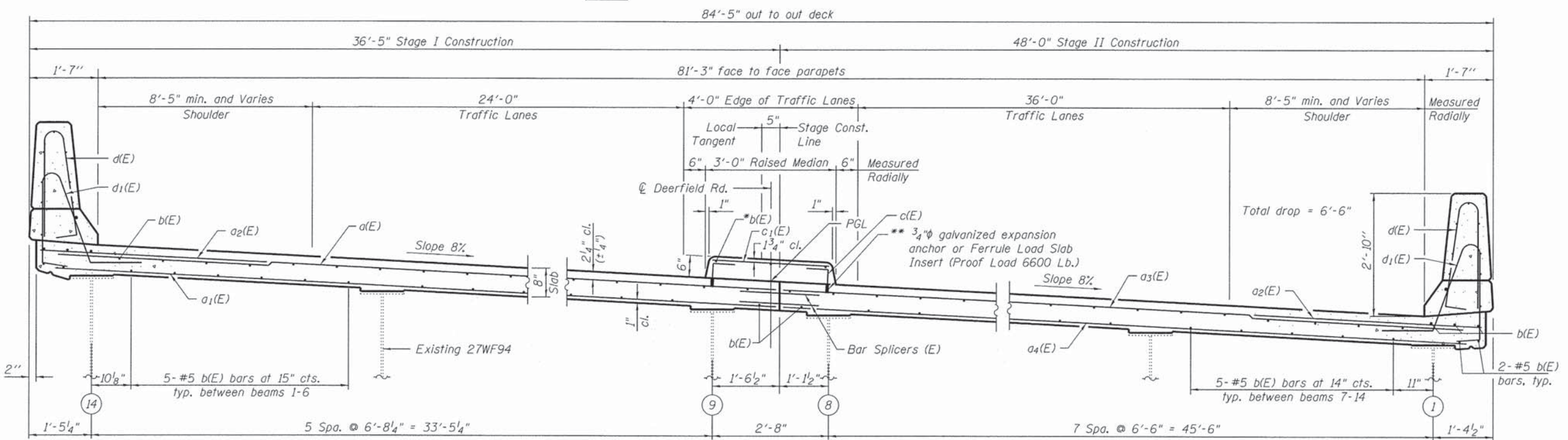
**PLAN**



**VIEW A-A**

- \* Bend b(E) bars in median as required in field.
- \*\* The cost of expansion anchors/inserts is included in the cost of Reinforcement Bars, Epoxy Coated.

Notes:  
 See Sheet S11 of S19 for superstructure details and Bill of Material.  
 See Sheet S11 of S19 for parapet reinforcement.  
 See Sheet S19 of S19 for bar splicer details.  
 Bars a(E) thru a4(E) shall be placed along the skew.



**CROSS SECTION**  
(Looking Northeast)

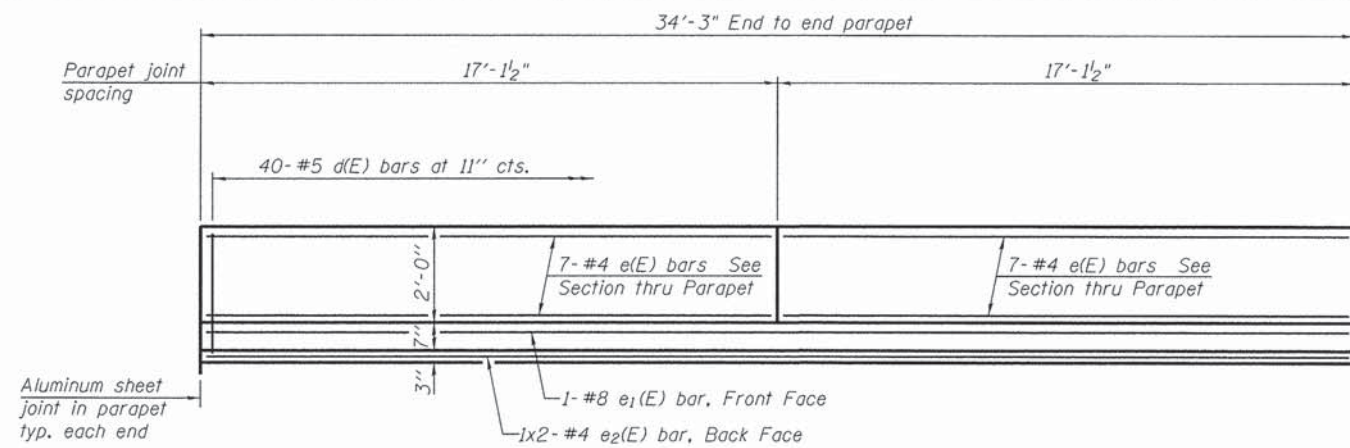
**COLLINS ENGINEERS**  
 123 N. Water Dr.  
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 Chicago, IL 60606  
 Phone: (312) 704-2300  
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USER NAME =	DESIGNED - AMS	REVISED
PLOT SCALE =	CHECKED - EKM	REVISED
PLOT DATE =	DRAWN - DR	REVISED
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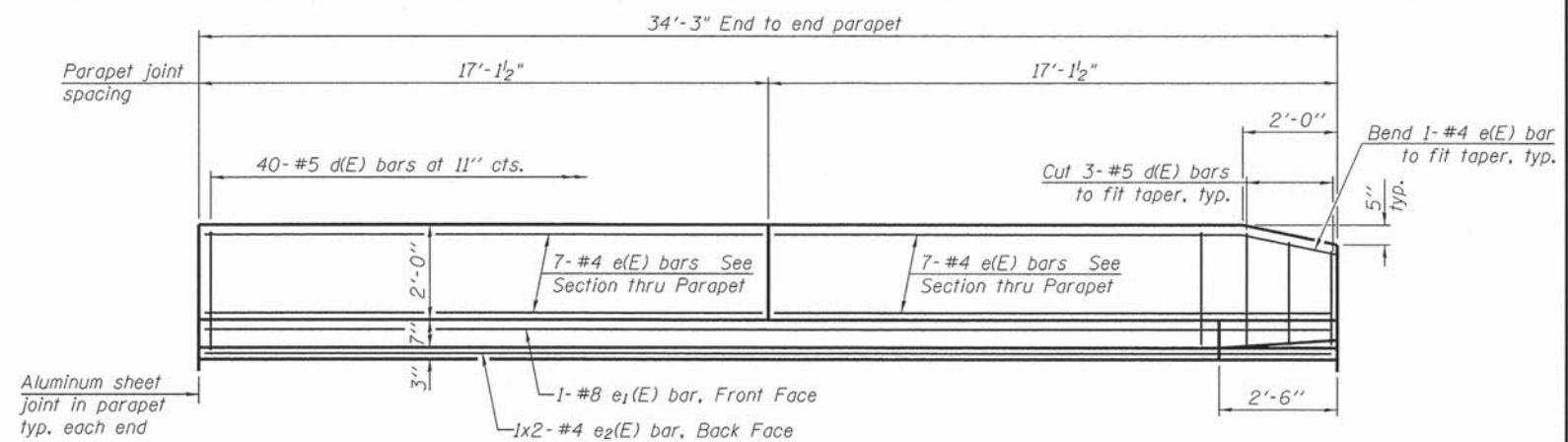
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SUPERSTRUCTURE**  
**STRUCTURE NO. 049-0072**  
 SHEET NO. S10 OF S19 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	386
CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				



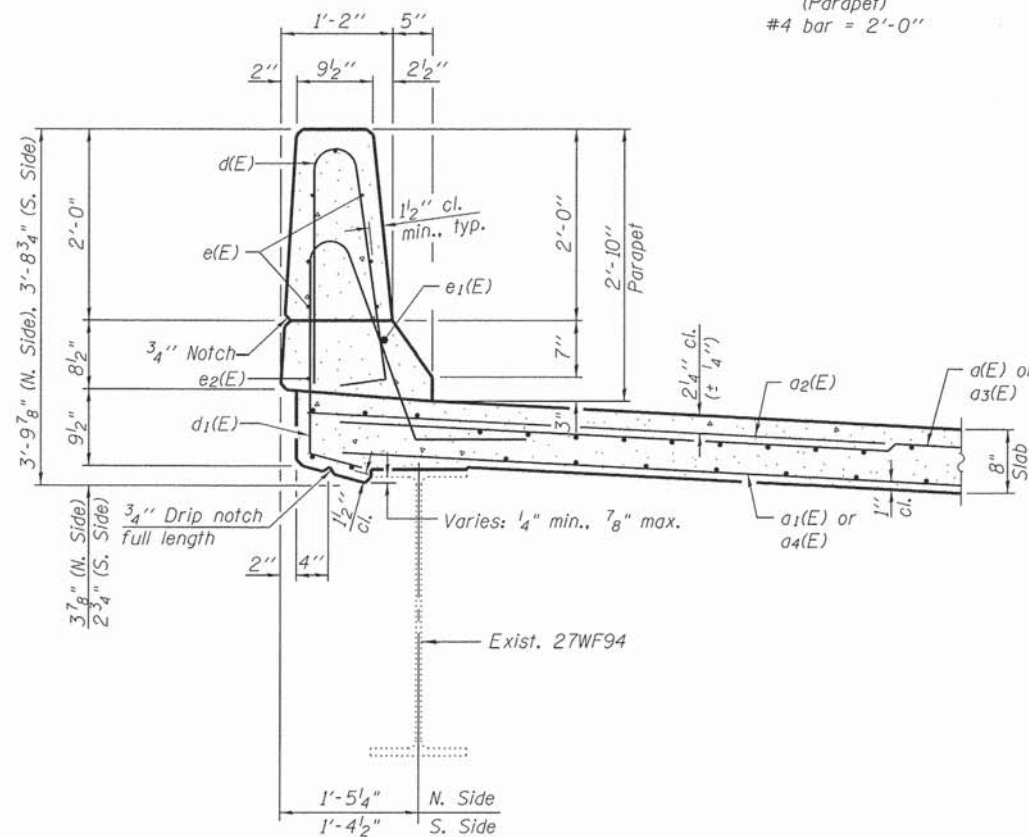
INSIDE ELEVATION OF NORTH PARAPET



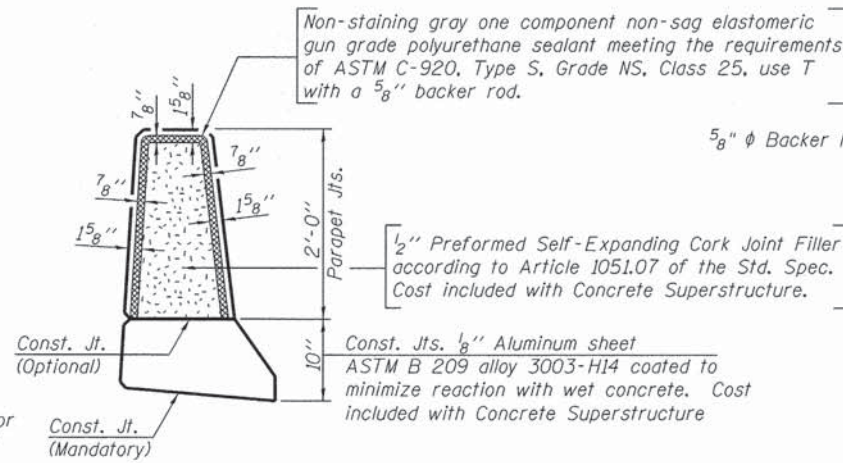
INSIDE ELEVATION OF SOUTH PARAPET

MINIMUM BAR LAP

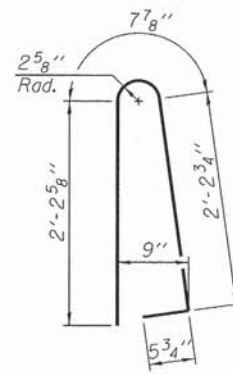
(Parapet)  
#4 bar = 2'-0"



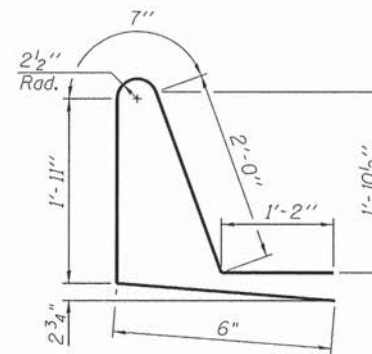
SECTION THRU PARAPET



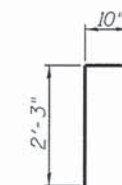
PARAPET JOINT DETAILS



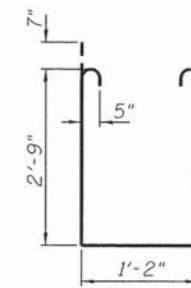
BAR d(E)



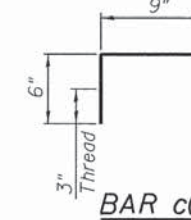
BAR d1(E)



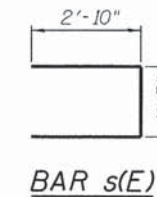
BAR v(E)



BAR s1(E)



BAR c(E)

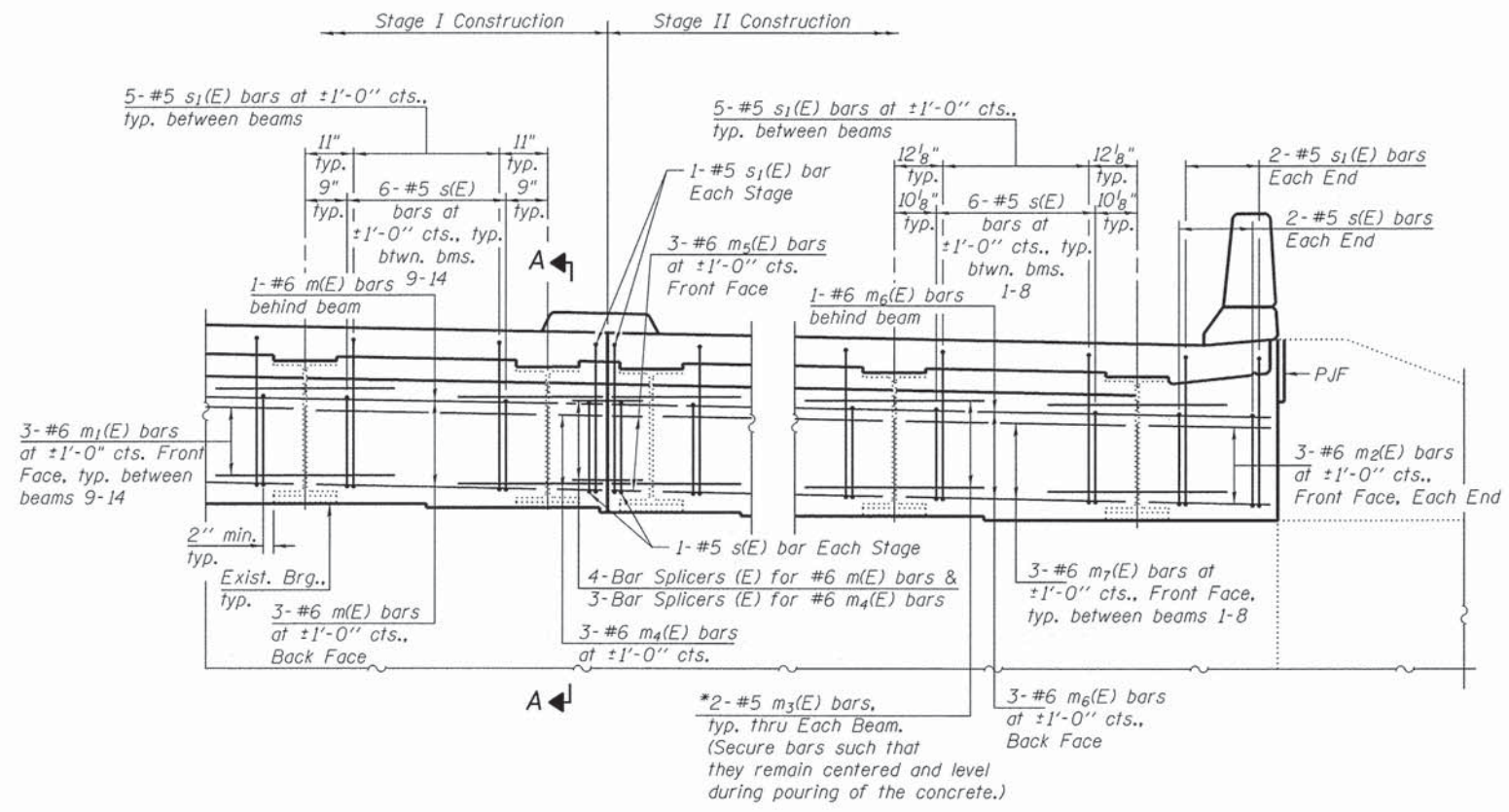


BAR s(E)

SUPERSTRUCTURE  
BILL OF MATERIAL

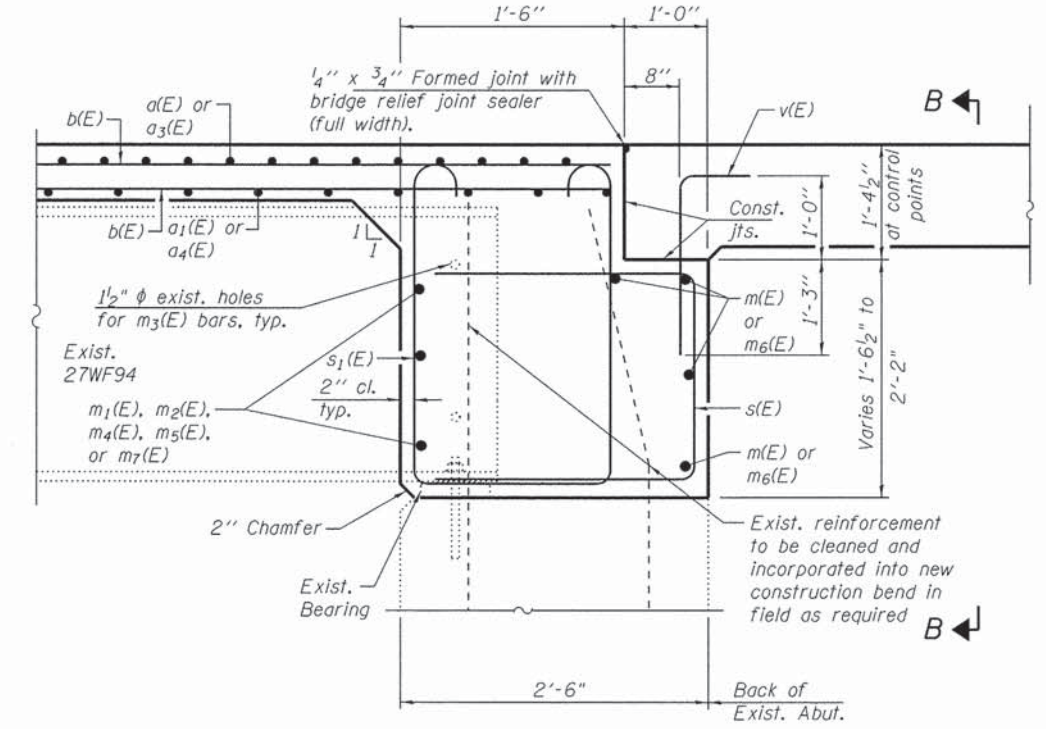
Bar	No.	Size	Length	Shape
d(E)	55	#5	35'-11"	—
a1(E)	42	#5	35'-7"	—
a2(E)	110	#6	6'-6"	—
a3(E)	55	#5	47'-6"	—
a4(E)	42	#5	47'-2"	—
b(E)	157	#5	33'-11"	—
c(E)	70	#5	1'-3"	┌
c1(E)	35	#5	2'-6"	┌
d(E)	80	#5	5'-7"	┌
d1(E)	80	#5	6'-2"	┌
e(E)	28	#4	16'-10"	—
e1(E)	2	#8	33'-11"	—
e2(E)	4	#4	18'-2"	—
m(E)	8	#6	36'-1"	—
m1(E)	30	#6	6'-5"	—
m2(E)	12	#6	1'-2"	—
m3(E)	56	#5	4'-0"	—
m4(E)	6	#6	1'-3"	—
m5(E)	6	#6	0'-10"	—
m6(E)	8	#6	47'-8"	—
m7(E)	42	#6	6'-3"	—
s(E)	156	#5	7'-1"	┌
s1(E)	132	#5	7'-10"	┌
v(E)	170	#5	3'-1"	┌
Reinforcement Bars, Epoxy Coated		Pound		21,490
Concrete Superstructure		Cu. Yds.		118.9
Protective Coat		Sq. Yd.		348
Bridge Deck Grooving		Sq. Yd.		302

Bars indicated thus 1 x 2-#4 etc. indicates 1 line of bars with 2 lengths per line.

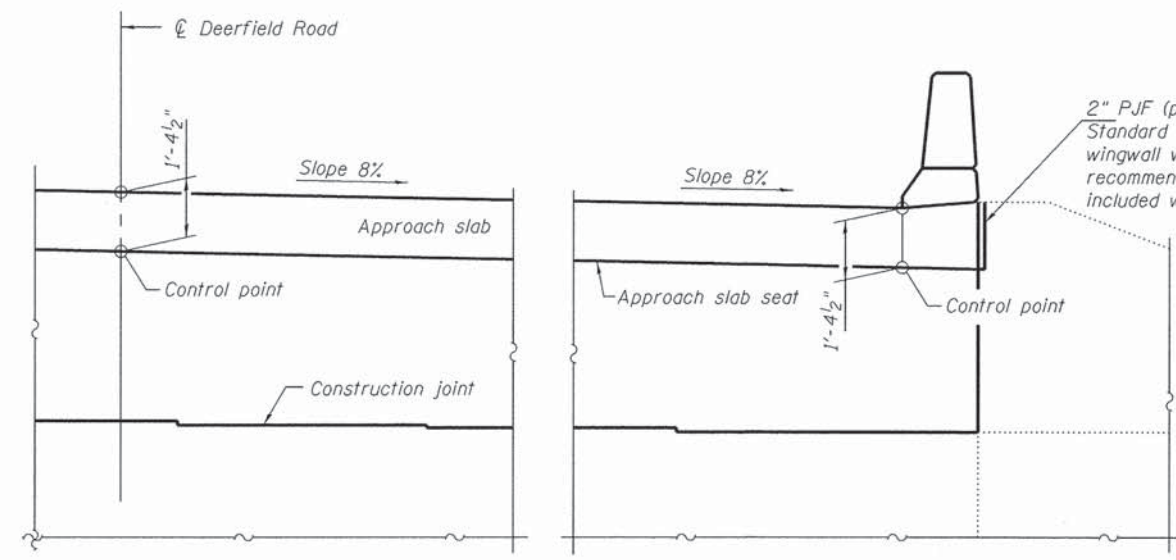


**DIAPHRAGM ELEVATION AT ABUTMENT**

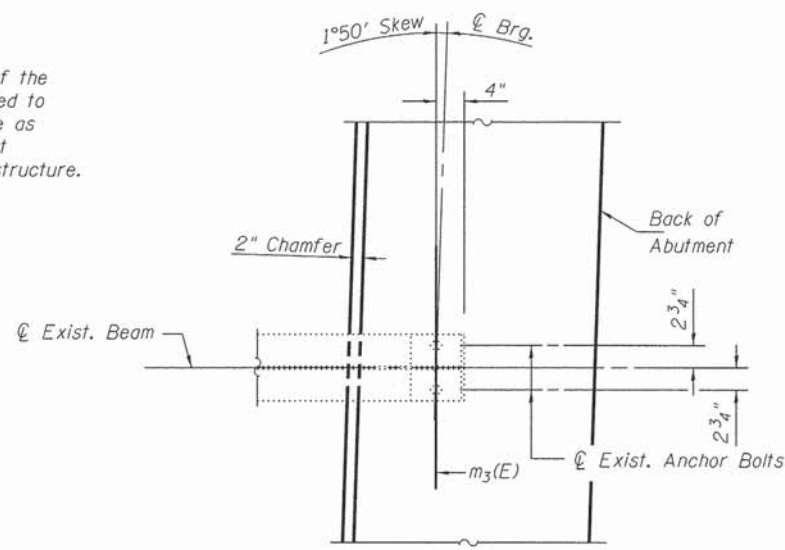
\* Position m<sub>3</sub>(E) bars to fit in Stage Construction for Beams 6 & 7.



**SECTION A-A**  
(at Rt. L's)



**SECTION B-B**



**PARTIAL PLAN AT ABUTMENT**  
(Showing bottom flange of beam)

Notes:

Reinforcement bars in diaphragm are included in the Superstructure Bill of Material on sheet S11 of S19.

Concrete in diaphragm is included with Concrete Superstructure on sheet S11 of S19.

For details of bars s(E), s<sub>1</sub>(E) and v(E) see sheet S11 of S19.

The s(E) and s<sub>1</sub>(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.

The approach slab seat shall have a constant slope determined from the control points shown.

For bar splicer details see sheet S19 of S19.

Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Removal of Existing Concrete Deck.

Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included with Removal of Existing Concrete Deck.

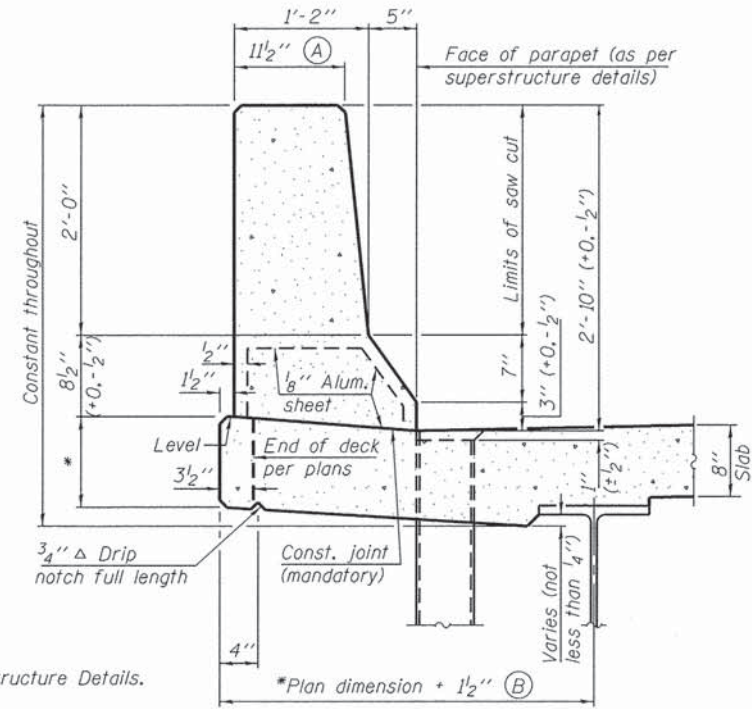
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	CHECKED - EKM	REVISED
PLOT SCALE =	DRAWN - DR	REVISED
PLOT DATE =	CHECKED - AMS	REVISED

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	388
CONTRACT NO. 63882				



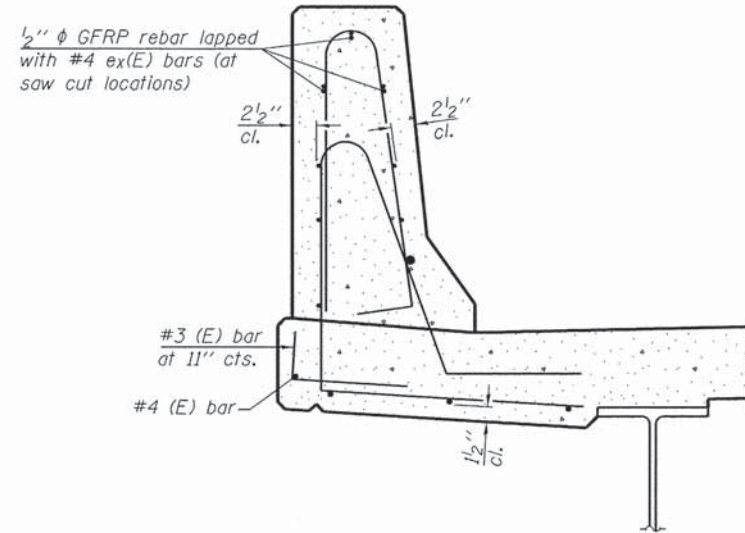
**GENERAL NOTES**

All dimensions shall remain the same as shown on superstructure details, except dimensions A and B which are to be revised as shown to provide additional clearance. Additional concrete needed to revise dimension A and B = 0.0165 cu. yds./ft. for 34" parapet or = 0.0223 cu. yds./ft. for 42" parapet. Place aluminum sheet in curb portion at and near piers. Full thickness saw cut at all joint locations in lieu of cork joint filler. Steel superstructure shown. Other superstructure types similar.



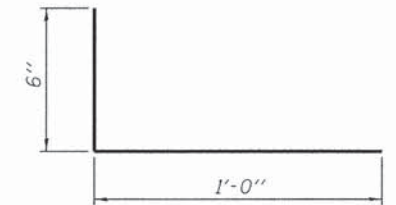
**34" F SHAPE PARAPET SECTION**  
(Showing dimensions)

\*See Superstructure Details.

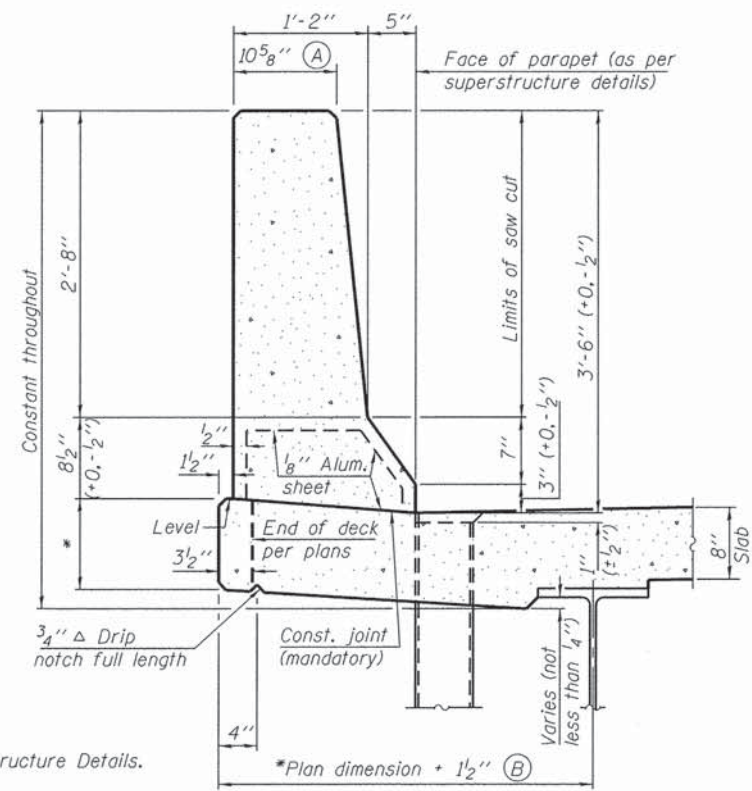


**SECTION**

(34" parapet shown - 42" parapet similar)  
(Showing reinforcement clearances for slip forming and additional reinforcement bars)

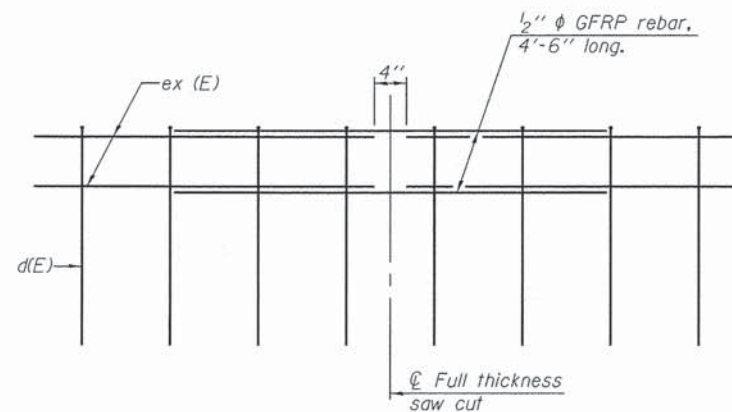


**#3 (E) BAR**



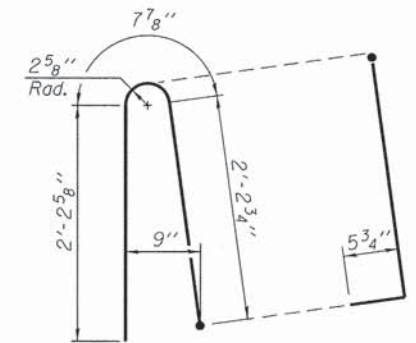
**42" F SHAPE PARAPET SECTION**  
(Showing dimensions)

\*See Superstructure Details.



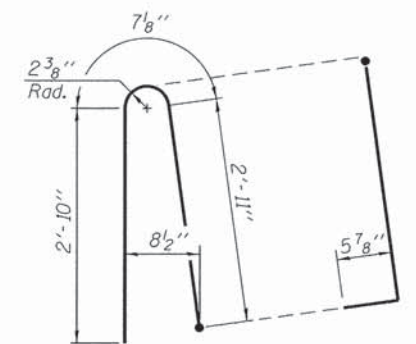
**GFRP REBAR STIFFENING DETAIL**

(Place as shown in parapet section at each parapet joint location.)



**ALTERNATE BAR d(E)**

(For 34" parapet when conduit is present)



**ALTERNATE BAR d(E)**

(For 42" parapet when conduit is present)

SFP 34-42

8-16-12

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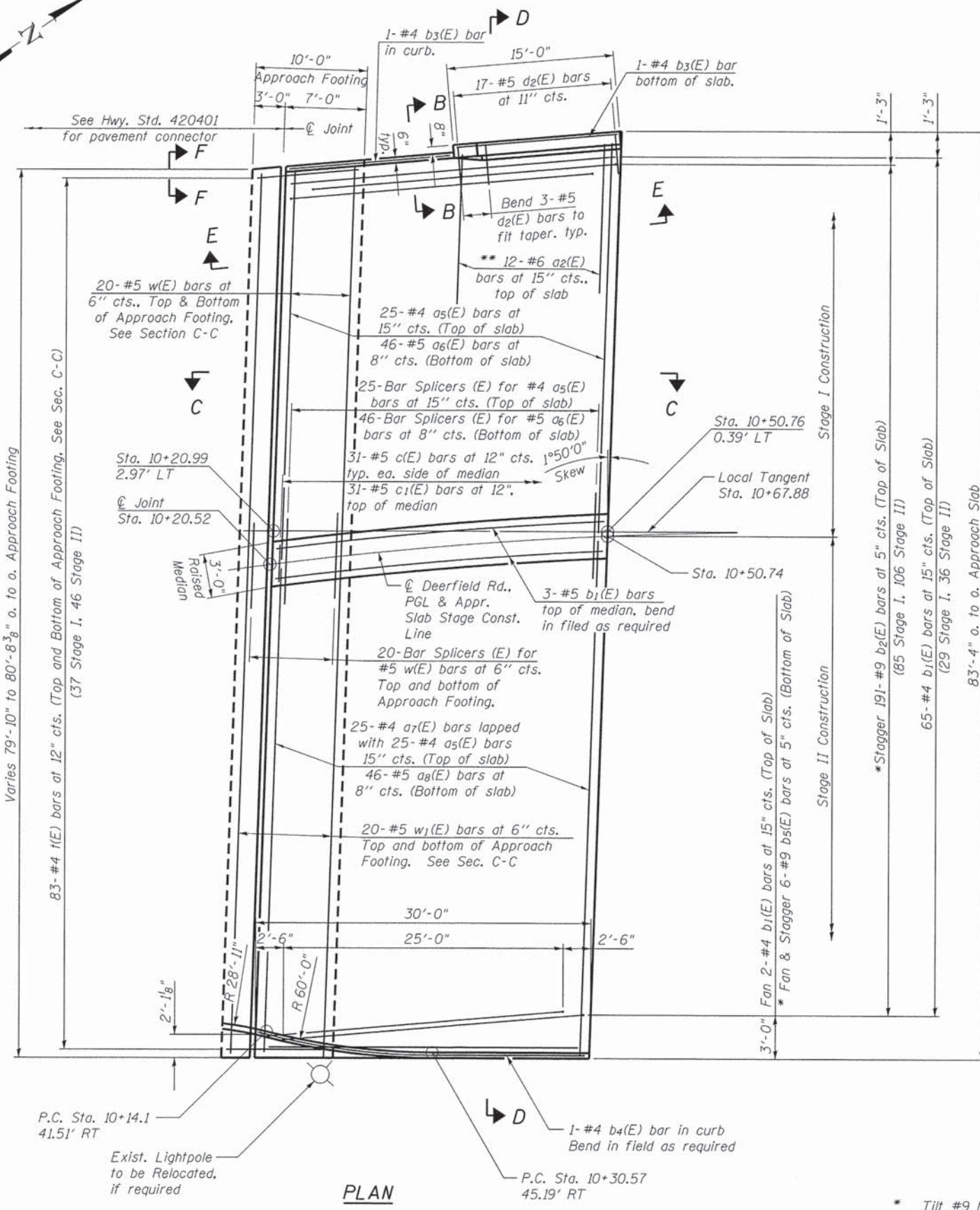
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PLOT SCALE =	CHECKED - EKM	REVISED
PLOT DATE =	DRAWN - DR	REVISED
	CHECKED - AMS	REVISED

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONCRETE PARAPET SLIPFORMING OPTION  
STRUCTURE NO. 049-0072**

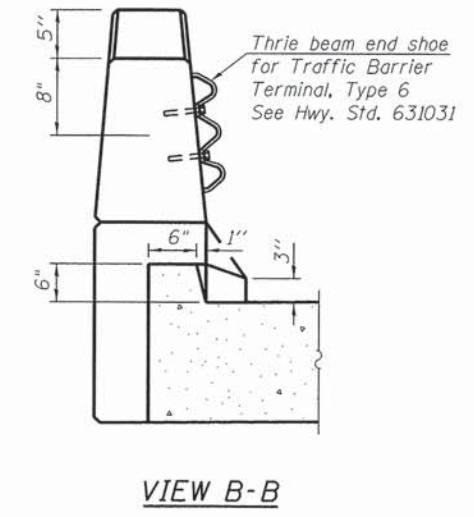
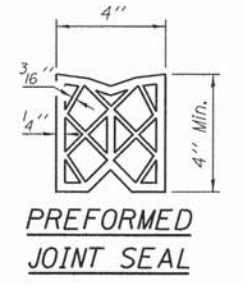
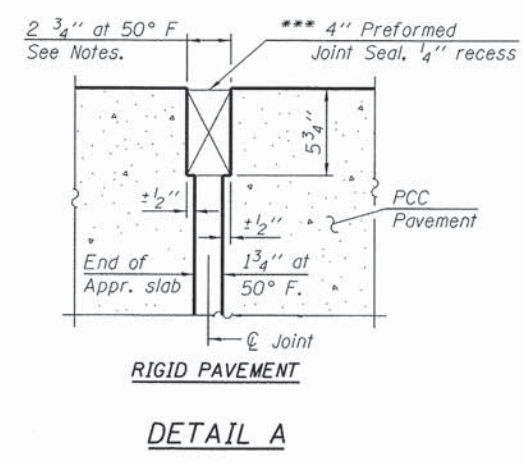
SHEET NO. S13 OF S19 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				

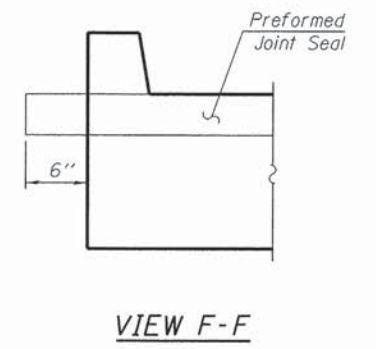


**MIN. BAR LAP**  
#4 bar = 2'-7"

Notes:  
See sheet S16 of S19 for Sections C-C & D-D and View E-E.  
The joint opening shall be determined per Article 520.04 except that on jointless structures, the distance described as the bridge length between the nearest fixed bearings each way from the joint shall be taken as half the bridge length plus the approach slab length. The minimum dimension shall be 1 1/2' for installation purposes.  
For bar splicer details, see sheet S19 of S19.



**VIEW B-B**



**VIEW F-F**

- \* Tilt #9 b2(E) & b5(E) as required to maintain clearance.
- \*\* Space between a5(E) bars in Stage I.
- \*\*\* Cast included with Concrete Superstructure.

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PLOT DATE =	DRAWN - DR	REVISED
	CHECKED - AMS	REVISED

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

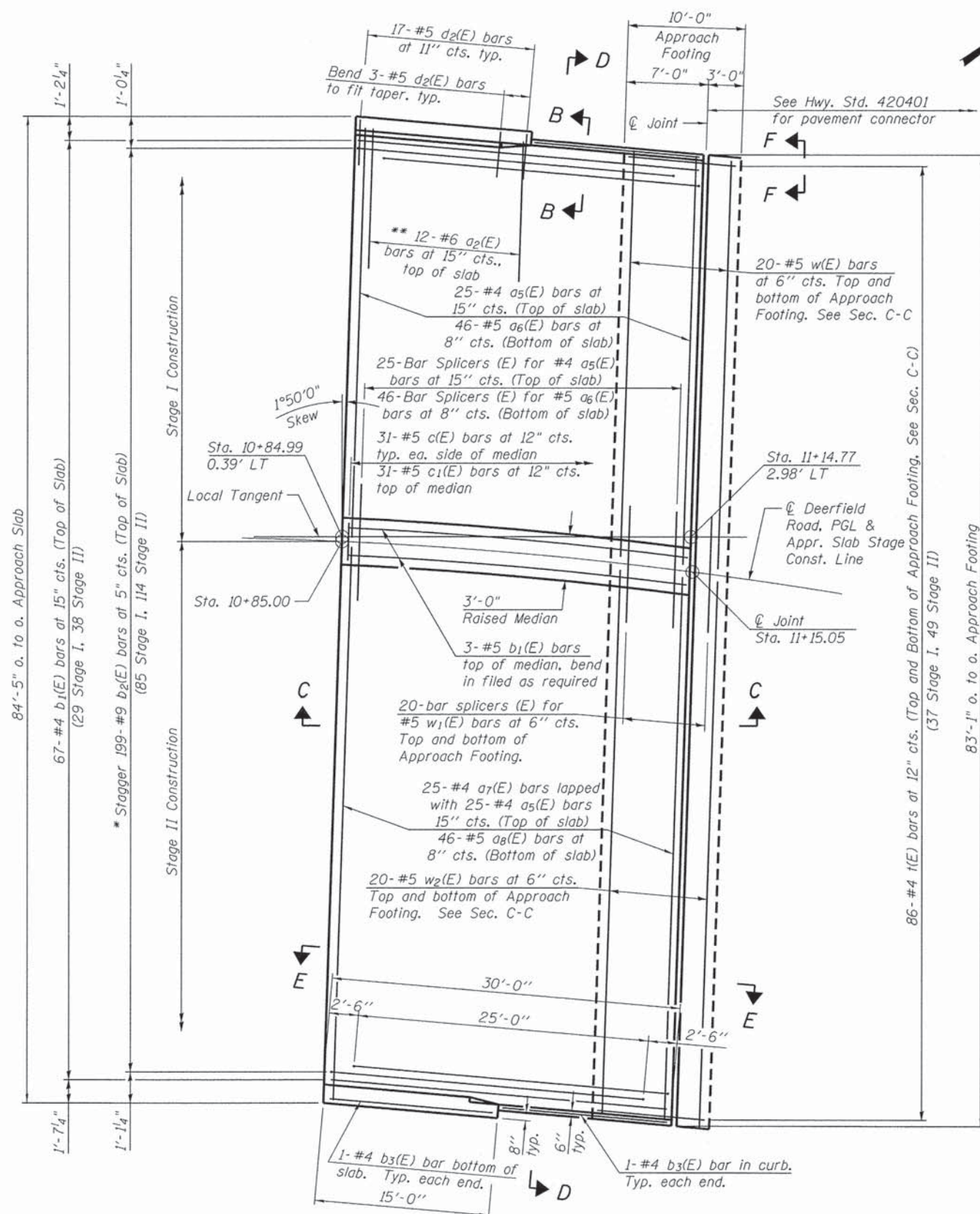
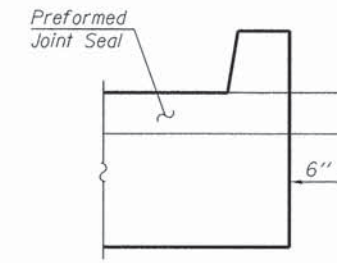
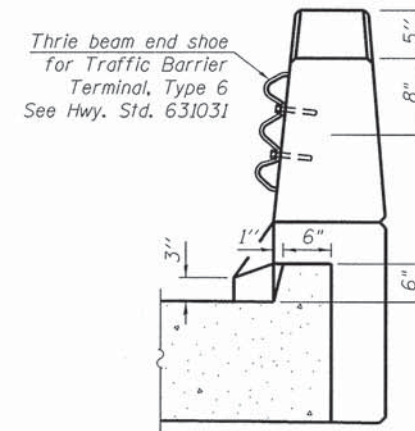
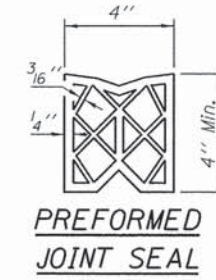
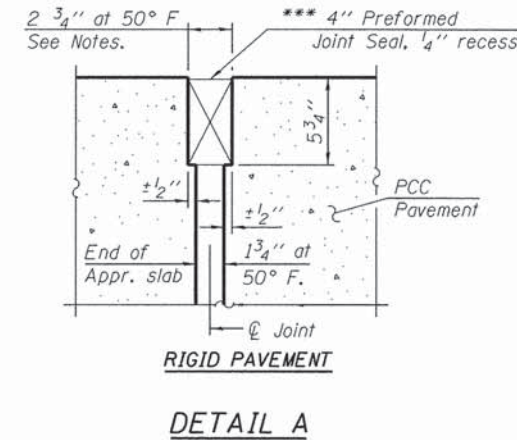
**WEST APPROACH SLAB**  
**STRUCTURE NO. 049-0072**  
SHEET NO. S14 OF S19 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	390
CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				

Notes:  
 See sheet S16 of S19 for Sections C-C & D-D and View E-E.  
 The joint opening shall be determined per Article 520.04 except that on jointless structures, the distance described as the bridge length between the nearest fixed bearings each way from the joint shall be taken as half the bridge length plus the approach slab length. The minimum dimension shall be 1 1/2" for installation purposes.  
 For bar splicer details, see sheet S19 of S19.

\*\*\* Cost included with Concrete Superstructure.

**MIN. BAR LAP**  
 #4 bar = 2'-7"



\* Tilt #9 b<sub>2</sub>(E) bars as required to maintain clearance.  
 \*\* Space between a<sub>5</sub>(E) bars, typ. each parapet.

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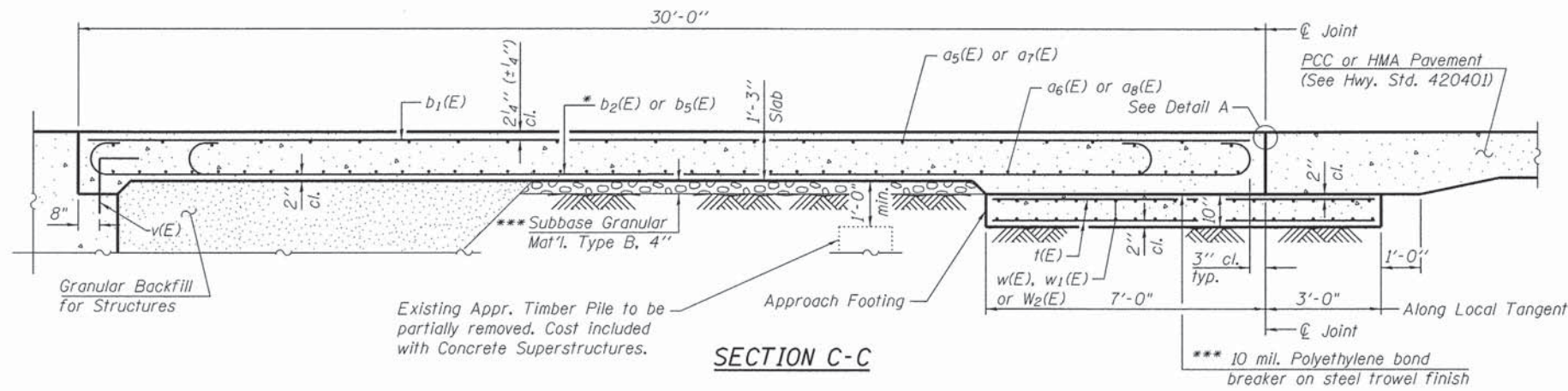
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PLOT SCALE =	CHECKED - EKM	REVISED
PLOT DATE =	DRAWN - DR	REVISED
	CHECKED - AMS	REVISED

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

**EAST APPROACH SLAB**  
**STRUCTURE NO. 049-0072**

SHEET NO. S15 OF S19 SHEETS

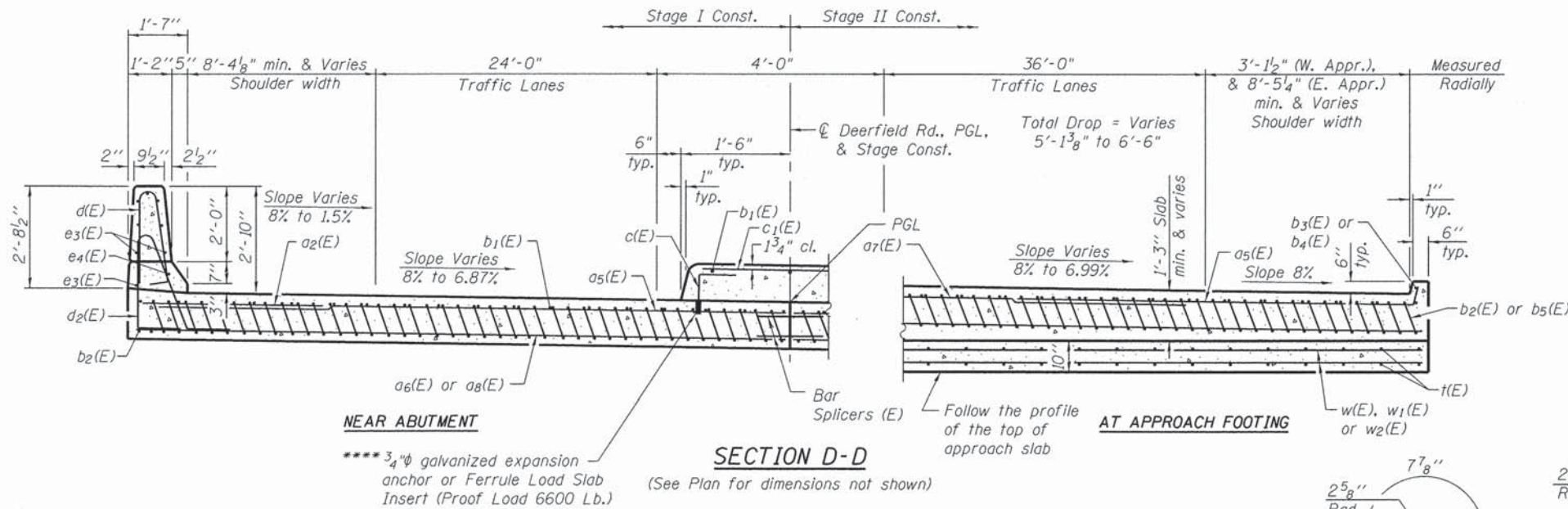
F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 391
			CONTRACT NO. 63882	
[ILLINOIS] FED. AID PROJECT				



**Notes:**

See sheet S15 & S16 of S19 for Detail A and View B-B.  
 Approach slab and parapet concrete shall be paid for as Concrete Superstructure.  
 Approach footing concrete shall be paid for as Concrete Structures.  
 Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.  
 For v(E) bar details, see sheet S10 of S19.  
 The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.  
 For bar splicer details, see sheet S19 of S19.  
 Cost of excavation for approach footing included with Concrete Structures.  
 For Granular Backfill for Structures, see sheet S2 of S19.  
 For additional parapet details, see sheet S11 of S19.

\* Tilt #9 b2(E) or b5(E) bars as required to maintain clearance.  
 \*\*\* Cost included with Concrete Superstructure.  
 \*\*\*\* The cost of expansion anchors/inserts is included in the cost of Reinforcement Bars, Epoxy Coated.



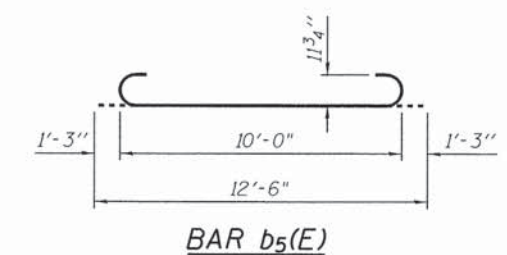
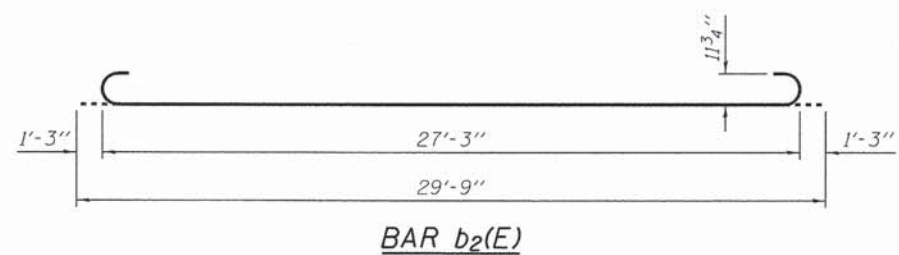
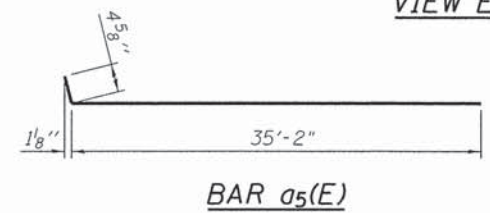
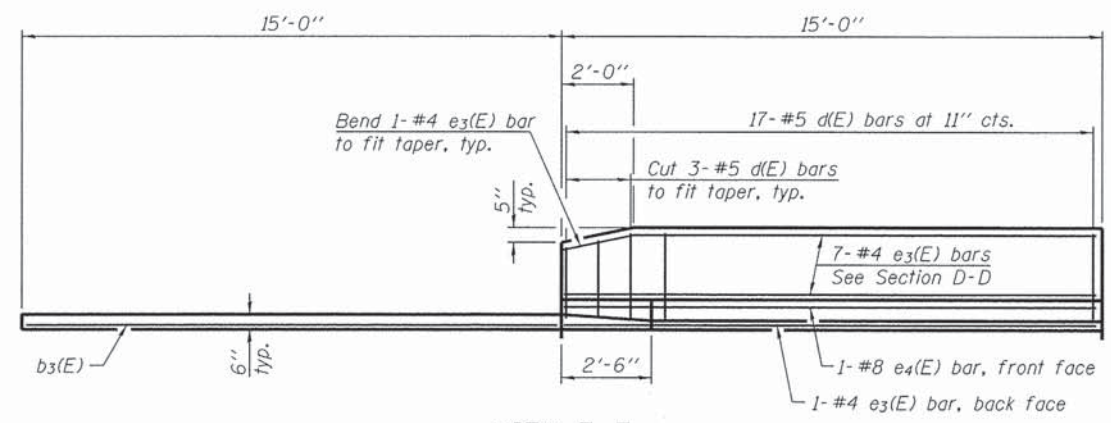
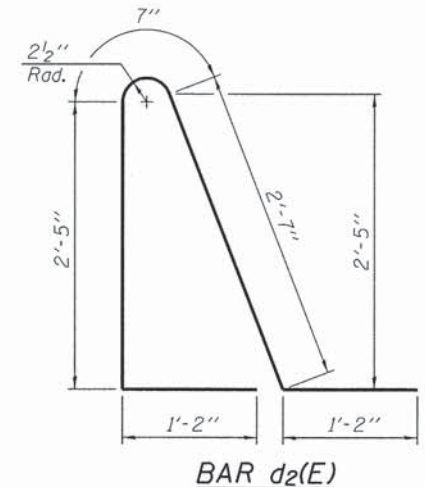
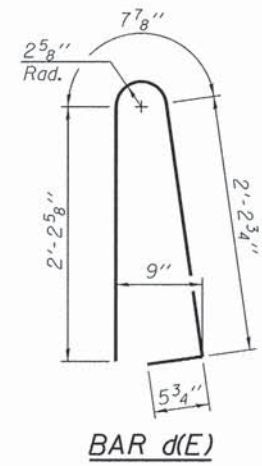
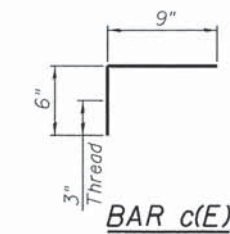
**NEAR ABUTMENT**

\*\*\*\* 3/4" galvanized expansion anchor or Ferrule Load Slab Insert (Proof Load 6600 Lb.)

**SECTION D-D**

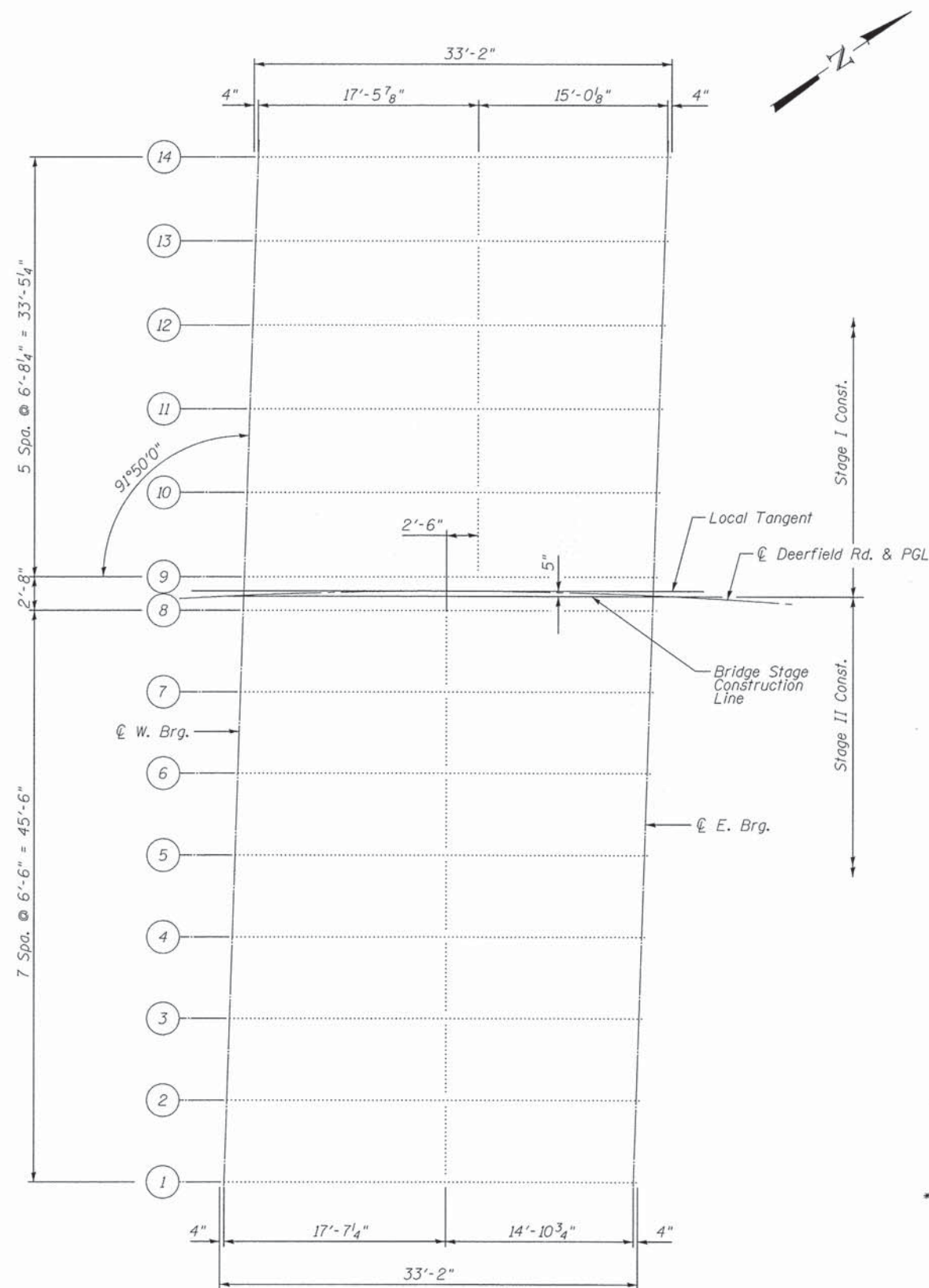
(See Plan for dimensions not shown)

**AT APPROACH FOOTING**

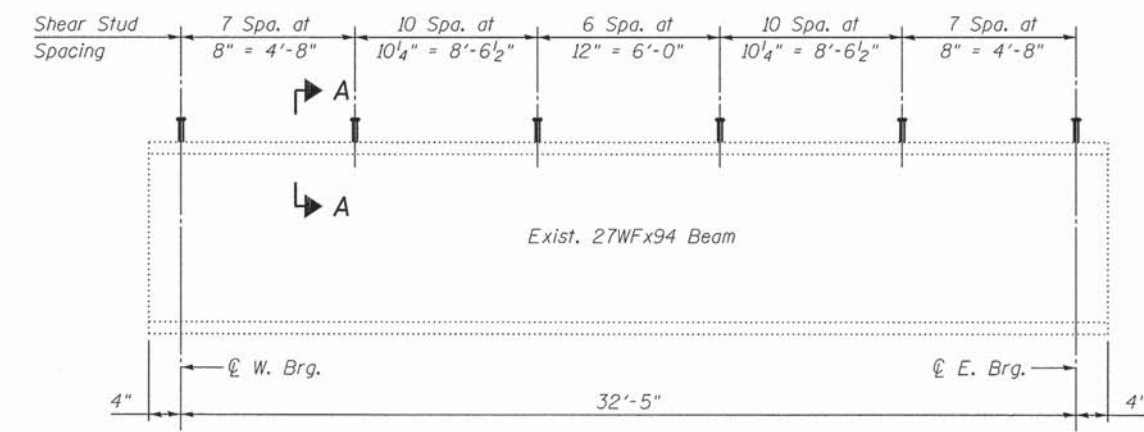


**TWO APPROACHES  
BILL OF MATERIAL**

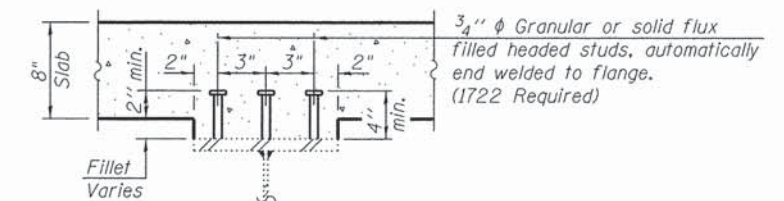
Bar	No.	Size	Length	Shape
a2(E)	36	#6	6'-6"	—
a5(E)	100	#4	35'-7"	—
a6(E)	92	#5	35'-5"	—
a7(E)	50	#4	14'-11"	—
a8(E)	92	#5	47'-6"	—
b1(E)	140	#4	29'-8"	—
b2(E)	390	#9	29'-9"	—
b3(E)	6	#4	14'-8"	—
b4(E)	1	#4	29'-9"	—
b5(E)	6	#9	12'-6"	—
c(E)	124	#5	1'-3"	—
c1(E)	62	#5	2'-6"	—
d(E)	51	#5	5'-7"	—
d2(E)	51	#5	7'-11"	—
e3(E)	24	#4	14'-8"	—
e4(E)	3	#8	14'-8"	—
t(E)	338	#4	9'-8"	—
w(E)	80	#5	35'-5"	—
w1(E)	40	#5	44'-0"	—
w2(E)	40	#5	47'-1"	—
Concrete Superstructure			Cu. Yd.	239.3
Concrete Structures			Cu. Yd.	50.5
Protective Coat			Sq. Yd.	579
Bridge Deck Grooving			Sq. Yd.	539
Reinforcement Bars, Epoxy Coated			Pound	64,080



**FRAMING PLAN**



**EXISTING BEAM ELEVATION**



**SECTION A-A**

INTERIOR BEAM MOMENT TABLE		
		0.4 Sp.
$I_s$	(in <sup>4</sup> )	3,270
$I_c(n)$	(in <sup>4</sup> )	10,815
$I_c(3n)$	(in <sup>4</sup> )	7,991
$S_s$	(in <sup>3</sup> )	243
$S_c(n)$	(in <sup>3</sup> )	399
$S_c(3n)$	(in <sup>3</sup> )	360
$Z$	(in <sup>3</sup> )	
$\rho$	(k/')	0.80
$M\bar{\rho}$	(k)	100
$s\bar{\rho}$	(k/')	0.43
$M_s\bar{\rho}$	(k)	54
$M\bar{L}$	(k)	195
$M\bar{I}W$	(k)	58
$\bar{M}_3 [M\bar{k} + I]$	(k)	422
$M_o$	(k)	748
$M_u$	(k)	1,392
$f_s \bar{\rho}$ non-comp	(ksi)	4.9
$f_s \bar{\rho}$ (comp)	(ksi)	1.8
$f_s \bar{M}_3 [M\bar{k} + M_I]$	(ksi)	12.7
$f_s$ (Overload)	(ksi)	19.4
$f_s$ (Total)	(ksi)	
VR	(k)	46.6

INTERIOR BEAM REACTION TABLE		
	Abutment	
$R\bar{\rho}$	(k)	20.5
$R\bar{L}$	(k)	35.8
$R_I$	(k)	10.7
$R_{Total}$	(k)	67.0

$I_s, S_s$ : Non-composite moment of inertia and section modulus of the steel section used for computing  $f_s$  (Total and Overload) due to non-composite dead loads (in<sup>4</sup> and in<sup>3</sup>).

$I_c(n), S_c(n)$ : Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing  $f_s$  (Total and Overload) due to short-term composite live loads (in<sup>4</sup> and in<sup>3</sup>).

$I_c(3n), S_c(3n)$ : Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing  $f_s$  (Total and Overload) due to long-term composite (superimposed) dead loads (in<sup>4</sup> and in<sup>3</sup>).

$Z$ : Plastic Section Modulus of the steel section in non-composite areas (in<sup>3</sup>).

$\rho$ : Un-factored non-composite dead load (kips/ft.).

$M\bar{\rho}$ : Un-factored moment due to non-composite dead load (kip-ft.).

$s\bar{\rho}$ : Un-factored long-term composite (superimposed) dead load (kips/ft.).

$M_s\bar{\rho}$ : Un-factored moment due to long-term composite (superimposed) dead load (kip-ft.).

$M\bar{L}$ : Un-factored live load moment (kip-ft.).

$M_I$ : Un-factored moment due to impact (kip-ft.).

$M_o$ : Factored design moment (kip-ft.).

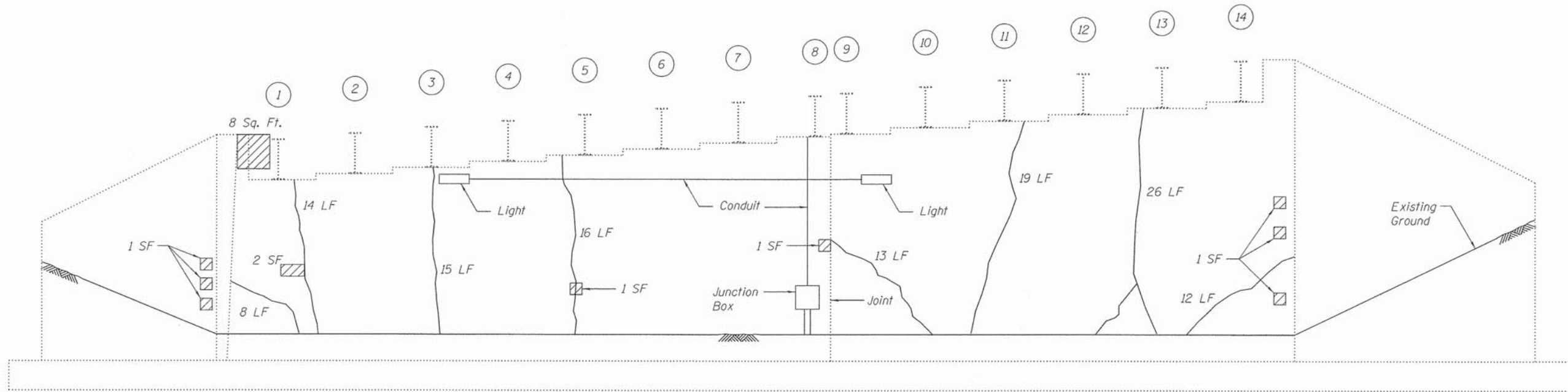
$M_u$ : Compact composite moment capacity according to AASHTO LFD 10.50.1.1 or compact non-composite moment capacity according to AASHTO LFD 10.48.1 (kip-ft.).

$f_s$  (Overload): Sum of stresses as computed from the moments below (ksi).  
 $M\bar{\rho} + M_s\bar{\rho} + \frac{1}{3}(M\bar{L} + M_I)$

$f_s$  (Total): Sum of stresses as computed from the moments below on non-compact section (ksi).  
 $1.3 [M\bar{\rho} + M_s\bar{\rho} + \frac{1}{3}(M\bar{L} + M_I)]$

VR: Maximum  $\bar{L}$  + impact shear range within the composite portion of the span for stud shear connector design (kips).

\* Compact section  
 \*\* Braced non-compact and partially braced section



**WEST ABUTMENT**  
(Looking West)

**Note:**

Repair areas are estimated based on inspection completed in November 2014. Actual repair areas and locations shall be determined by the Engineer and shown on As-Built plans.

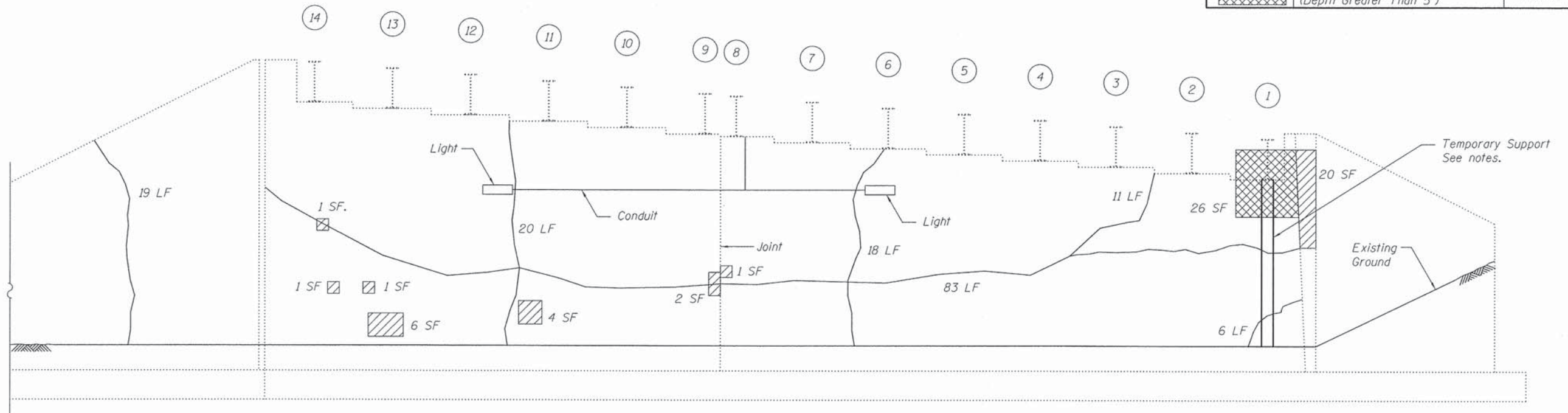
Concrete Sealer shall be applied to all repaired concrete areas. Cost included with Structural Repair of Concrete.

Cost of removal and reattachment of the existing conduit attached to the Abutment required for repair work shall be included with Structural Repair of Concrete.

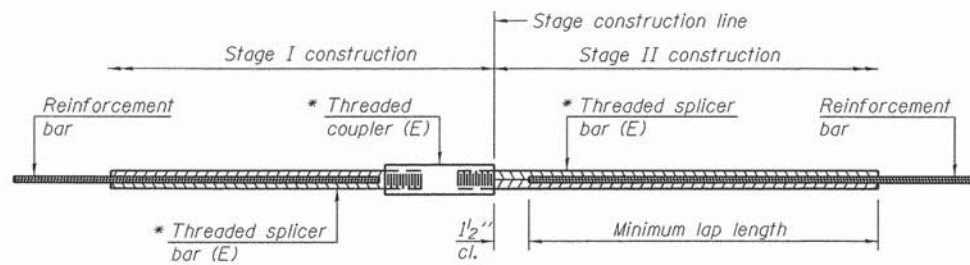
Cost of removal of the temporary support at the East Abutment, and its return to the District Bridge Office at 1101 Biesterfeld Road, Elk Grove, IL 60007 included with Structural Repair of Concrete.

**BILL OF MATERIAL**

	Item Description	Unit	Quantity
	Epoxy Crack Injection	Foot	280
	Structural Repair of Concrete (Depth Equal to or Less Than 5")	Sq. Ft.	54
	Structural Repair of Concrete (Depth Greater Than 5")	Sq. Ft.	26



**EAST ABUTMENT**  
(Looking East)



**STANDARD BAR SPLICER ASSEMBLY**

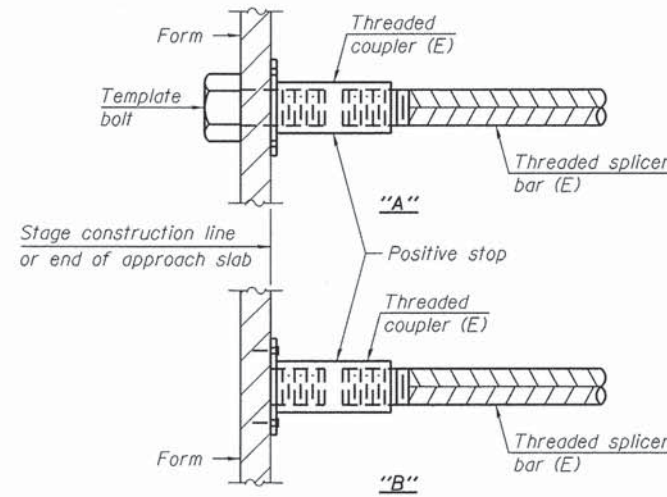
Minimum Lap Lengths						
Bar size to be spliced	Table 1	Table 2	Table 3	Table 4	Table 5	Table 6
3, 4	1'-5"	1'-11"	2'-1"	2'-4"	2'-7"	2'-11"
5	1'-9"	2'-5"	2'-7"	2'-11"	3'-3"	3'-8"
6	2'-1"	2'-11"	3'-1"	3'-6"	3'-10"	4'-5"
7	2'-9"	3'-10"	4'-2"	4'-8"	5'-2"	5'-10"
8	3'-8"	5'-1"	5'-5"	6'-2"	6'-9"	7'-8"
9	4'-7"	6'-5"	6'-10"	7'-9"	8'-7"	9'-8"

- Table 1: Black bar, 0.8 Class C
- Table 2: Black bar, Top bar lap, 0.8 Class C
- Table 3: Epoxy bar, 0.8 Class C
- Table 4: Epoxy bar, Top bar lap, 0.8 Class C
- Table 5: Epoxy bar, Class C
- Table 6: Epoxy bar, Top bar top, Class C

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

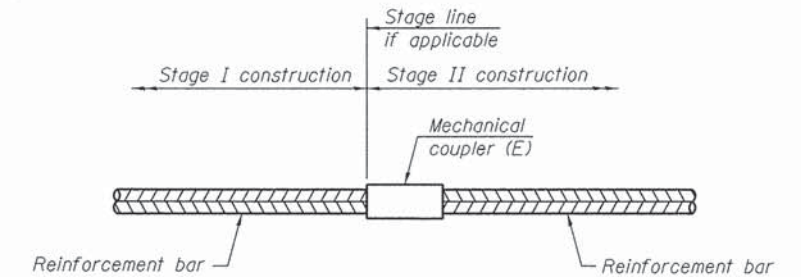
\* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length
Deck	#5	97	Table 3
Diaphragm	#6	14	Table 4
Approach	#4	50	Table 3
Approach	#5	92	Table 3
Approach Footing	#5	80	Table 3



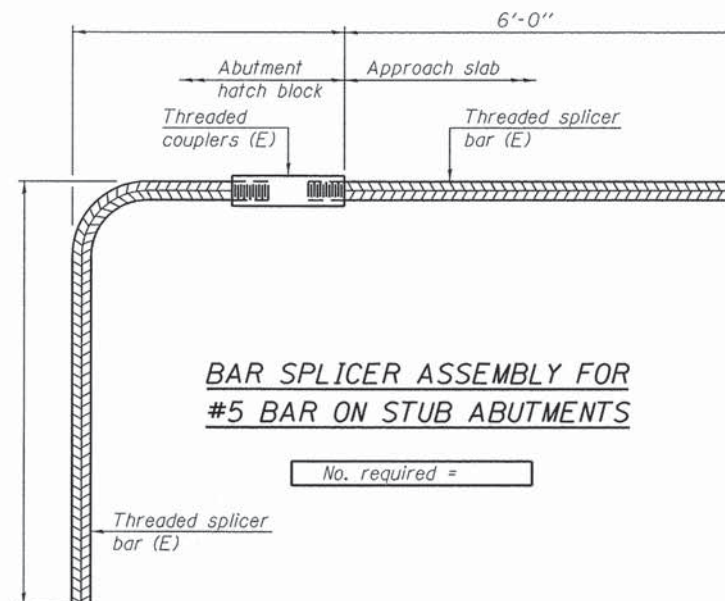
**INSTALLATION AND SETTING METHODS**

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



**STANDARD MECHANICAL SPLICER**

Location	Bar size	No. assemblies required



**BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS**

No. required =

**NOTES**

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

BSD-1

8-31-12

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PLOT SCALE =	DRAWN - DR	REVISED
PLOT DATE =	CHECKED - AMS	REVISED

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS  
 STRUCTURE NO. 049-0072**

SHEET NO. S19 OF S19 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	395
CONTRACT NO. 63882				

ILLINOIS FED. AID PROJECT

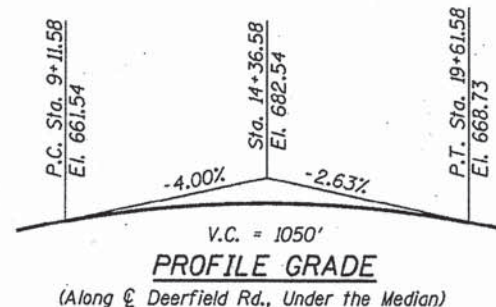
Existing Structure: S.N. 049-0073 was originally constructed under two separate contracts by Lake County, in 1960 Route - FA 99; Section 104-HB-1 the five east simple spans, and in 1961 Route - FAS 8; Section ZK-HF the three west spans. The structure carries Deerfield Rd. over old Skokie Valley Rd. and the Union Pacific Railroad. The structure is an 8 span bridge that consists of a concrete deck supported on wide flange beams, three western spans are continuous non-composite while the remaining spans are simple composite. In 1991, the superstructure was rehabilitated.

Traffic to be maintained utilizing staged construction.

No Salvage.

**CURVE DATA**

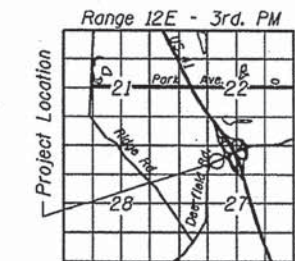
P.I. Sta. = 12+10.54  
 $\Delta = 9^\circ 54' 52''$  (RT)  
 $D = 7^\circ 12' 19''$   
 $R = 795.19'$   
 $T = 68.97'$   
 $L = 137.60'$   
 $E = 2.99'$   
 S.E. = Transition Sta. 10+85.00 to Sta. 13+30.00  
 P.C. Sta. = 11+41.57  
 P.T. Sta. = 12+79.17



**PROFILE GRADE**

(Along  $\text{\textcircled{C}}$  Deerfield Rd., Under the Median)

Note:  
 Profile grade and vertical clearance taken from existing plans, and are for information only.



**LOCATION SKETCH**

**DESIGN SPECIFICATIONS**

2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition.

**DESIGN STRESSES**

**FIELD UNITS (EXISTING)**

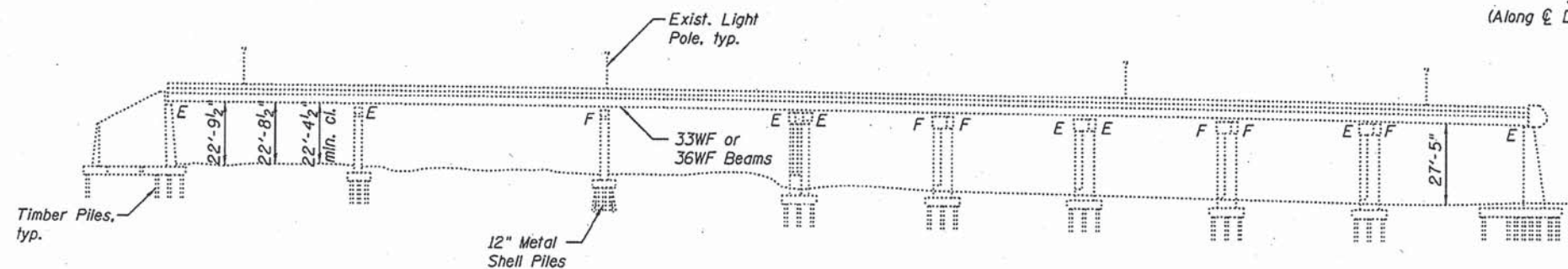
$f_c = 1,000$  psi (Substructure)  
 $f_c = 1,400$  psi (Superstructure)  
 $f_s = 18,000$  psi (Structural Steel)  
 $f_s = 20,000$  psi (Reinforcement)

**SEISMIC DATA**

Seismic Performance Zone (SPC) = A  
 Horizontal Bedrock Acceleration Coefficient (A) = 0.035g  
 Site Coefficient (S) = 1.0

**SCOPE OF WORK**

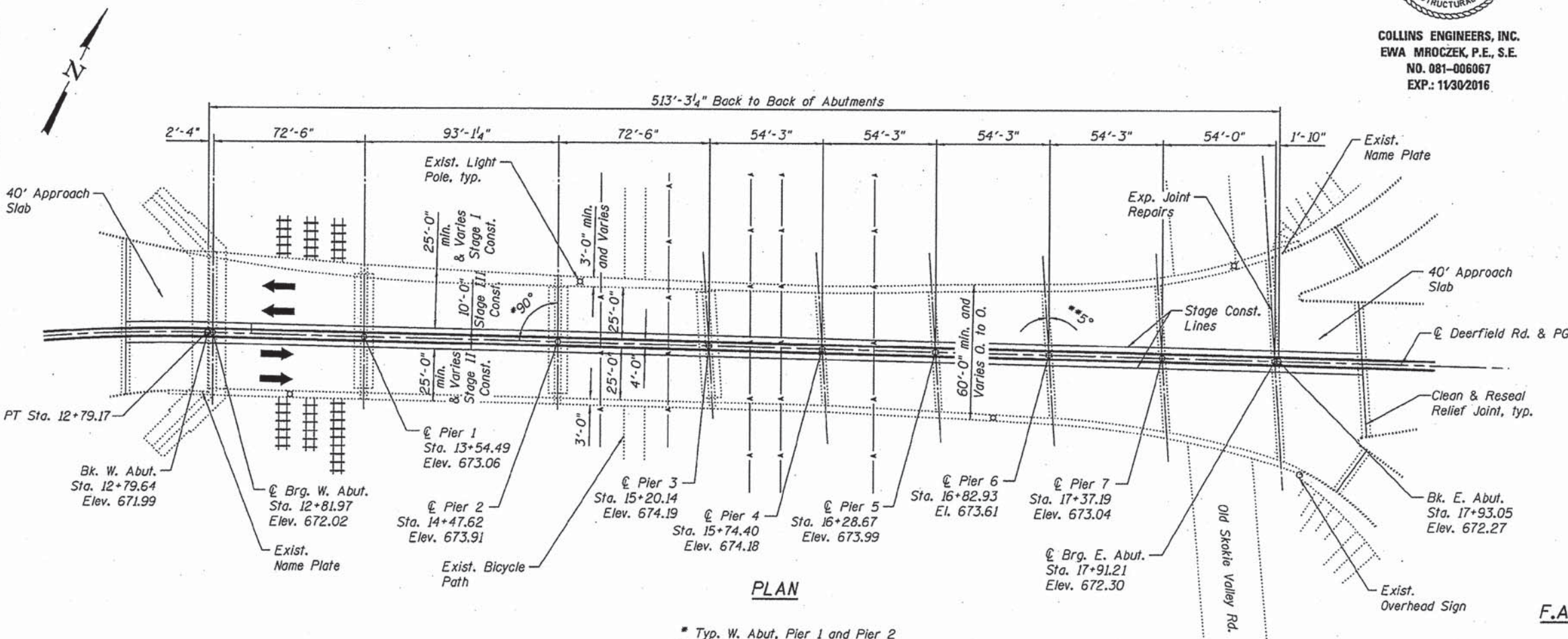
1. Remove & replace concrete median.
2. Perform expansion joint repairs.
3. Seal bridge deck, median, and curbs.
4. Remove and replace HMA overlay on approaches.
5. Clean and reseal relief joints.
6. Clean and paint exposed rebar on the deck soffit.
7. Replace the existing rocker bearings at the abutments and Piers 3, 5, & 7 with elastomeric bearings and steel extensions.
8. Perform substructure repairs.
9. Replace deteriorated steel end diaphragms and repair beam ends.



**ELEVATION**



**COLLINS ENGINEERS, INC.**  
 EWA MROCZEK, P.E., S.E.  
 NO. 081-006067  
 EXP.: 11/30/2016



**PLAN**

■ Typ. W. Abut, Pier 1 and Pier 2  
 ■■ Typ. Piers 3 thru 7 and E. Abut.

**GENERAL PLAN AND ELEVATION**  
**DEERFIELD ROAD OVER**  
**THE UP RR, OLD SKOKIE ROAD**  
**F.A.U. RT. 1257 - SEC. ZW-RS-1&104R-HB-1**  
**LAKE COUNTY**  
**STATION 15+20.14**  
**STRUCTURE NO. 049-0073**

**COLLINS ENGINEERS, INC.**  
 1373 N. Dearborn Dr., Suite 300  
 Chicago, IL 60626  
 Tel: (773) 121-1111 Fax: (773) 121-1112  
 Email: collins@collins-engineers.com  
 ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-888913

USER NAME =	DESIGNED - AMS	REVISIONS
PLLOT SCALE =	CHECKED - EKM	REVISIONS
PLLOT DATE =	DRAWN - DR	REVISIONS
	CHECKED - AMS	REVISIONS

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

**GENERAL PLAN & ELEVATION**  
**STRUCTURE NO. 049-0073**

SHEET NO. 51 OF 516 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	396
				CONTRACT NO. 63882

ILLINOIS FED. AID PROJECT



**INDEX OF SHEETS**

- S1. General Plan and Elevation
- S2. General Notes, Bill of Materials and Index of Sheets
- S3. Stage Construction Details
- S4. Bridge Deck Repairs
- S5. Bridge Deck Soffit Repair I
- S6. Bridge Deck Soffit Repair II
- S7. West Abutment Bearing Details
- S8. Pier 3, 5, 7 & East Abutment Bearing Details
- S8a. Structural Steel Repairs
- S9. East and West Abutment Repairs
- S10. Pier 1 Repairs
- S11. Pier 2 Repairs
- S12. Pier 3 Repairs
- S13. Pier 4 Repairs
- S14. Pier 5 Repairs
- S15. Pier 6 Repairs
- S16. Pier 7 Repairs

**GENERAL NOTES:**

Fasteners shall be ASTM A325 Type I, mechanically galvanized bolts. Bolts 7/8"  $\phi$  for 15/16"  $\phi$  holes, unless noted otherwise.

All structural steel shall be AASHTO M-270 Gr. 36, unless otherwise noted.

No field welding is permitted except as specified in the Contract Documents.

Reinforcement bars designated (E) shall be epoxy coated.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

The existing bearings and structural steel coating contain lead. The Contractor shall take appropriate precautions to deal with the presence of lead in this project.

Existing structural steel shall only be cleaned and painted as required by the Special Provision "Cleaning and Painting Adjacent Areas of Existing Steel Structures".

All new structural steel shall be shop painted with the inorganic zinc rich primer per AASHTO M300, Type I. Cost included with Furnishing and Erecting Structural Steel.

The Contractor shall exercise care during removal of existing diaphragms to ensure that the slab, integrity will not be detrimentally impacted. The Contractor shall repair any damage(s) to the slab, beams or diaphragms caused by his operation as directed by the Engineer at no additional cost to the Department.

Joint openings shall be adjusted according to Article 520.04 of the Std. Specs. when the joint is installed at an ambient temperature other than 50° F.

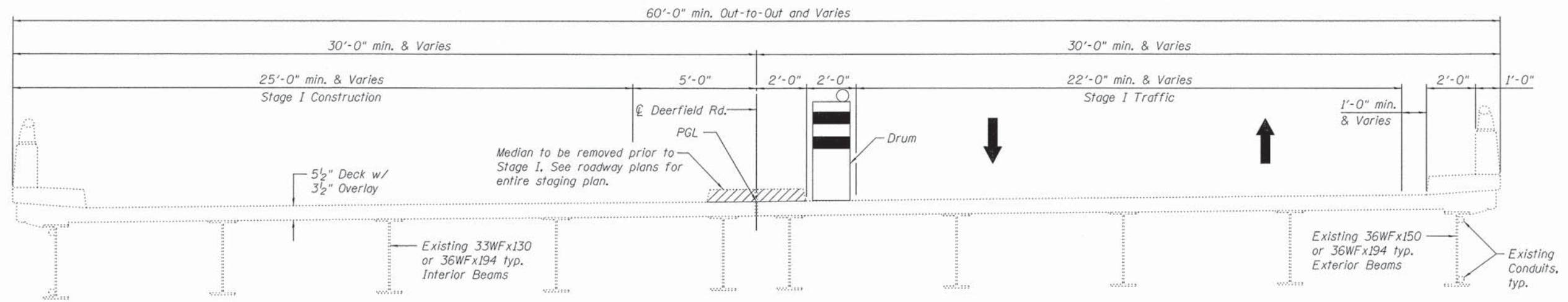
Cost for removal and disposal of existing expansion joints is included in the cost of Silicone Joint Sealer 1", Silicone Joint Sealer 1 3/4", or Silicone Joint Sealer 2 3/4", depending on the proposed repairs at the joint.

The Contractor must take extra care to achieve proper bondage at the ends of the joint repair to the existing joint assembly.

The Contractor is advised about the overhead electric high voltage lines that cross the bridge. The Contractor shall take special precautions for work on the bridge near electric lines.

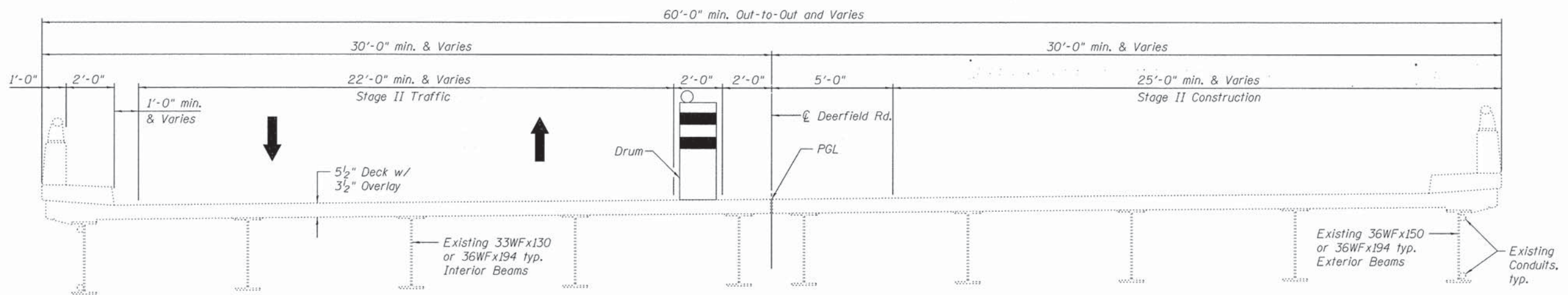
**TOTAL BILL OF MATERIAL**

ITEM DESCRIPTION	UNIT	SUPER	SUB	TOTAL
Polymerized Hot-Mix Asphalt Surface Course, Mix "E", N70	Ton	78		78
Hot-Mix Asphalt Surface Removal, 2"	Sq. Yd.	691		691
Concrete Removal	Cu. Yd.	30.6		30.6
Concrete Superstructure	Cu. Yd.	32.1		32.1
Furnishing and Erecting Structural Steel	Pound	30,650		30,650
Reinforcement Bars, Epoxy Coated	Pound	5,450		5,450
Elastomeric Bearing Assembly, Type I	Each	70		70
Elastomeric Bearing Assembly, Type II	Each	11		11
Anchor Bolts, 3/4"	Each	324		324
Anchor Bolts, 1"	Each	30		30
Epoxy Crack Injection	Foot		46	46
Cleaning and Painting Exposed Rebar	Sq. Ft.	358		358
Clean and Reseal Relief Joint	Foot	189.5		189.5
Bituminous Materials (Prime Coat)	Pound	311		311
Bridge Deck Concrete Sealer	Sq. Ft.	37,453		37,453
Jack and Remove Existing Bearings	Each	96		96
Structural Steel Removal	Pound	5,000		5,000
Structural Repair of Concrete (Depth Equal to or Less Than 5")	Sq. Ft.		2,361	2,361
Structural Repair of Concrete (Depth Greater Than 5")	Sq. Ft.		24	24
Silicone Joint Sealer, 1"	Cu. Ft.	8		8
Silicone Joint Sealer, 1.75"	Cu. Ft.	12		12
Silicone Joint Sealer, 2.75"	Cu. Ft.	8		8
Polymer Concrete	Cu. Ft.	13		13
TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE SPECIAL)	EACH	29		29

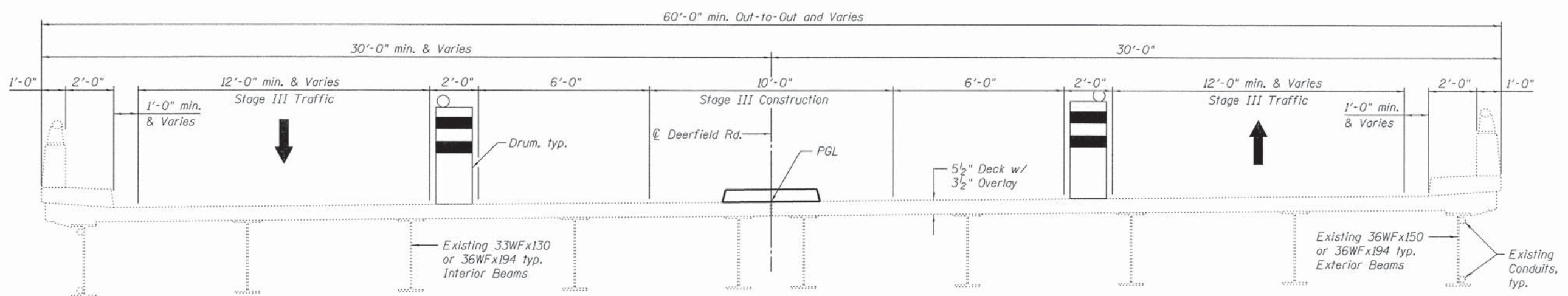


**STAGE I CROSS SECTION**

Number of beams and beam spacing vary. See notes below.



**STAGE II CROSS SECTION**

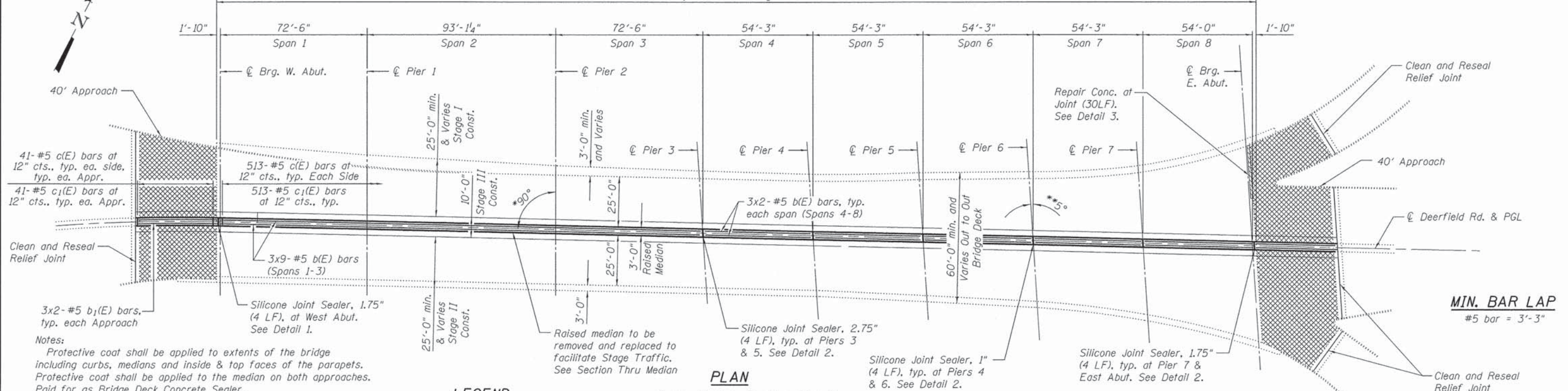


**STAGE III CROSS SECTION**

Notes:  
 All sections looking East.  
 Hatched area indicates Concrete Removal.  
 Median to be removed to facilitate construction of SN. 049-0072.  
 See roadway plans for quantity of drums.  
 For number of beams and spacing see Bridge Deck Soffit Repair on sheets S5 & S6 of S16.

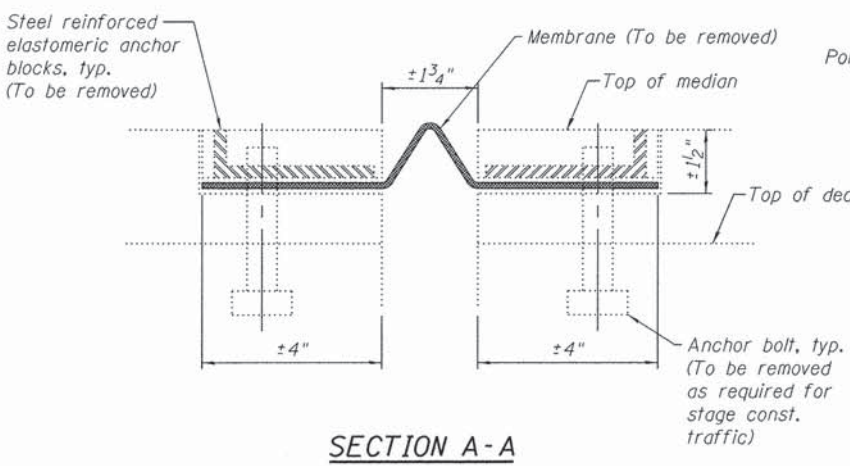
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	CHECKED - EKM	REVISED
PLOT SCALE =	DRAWN - DR	REVISED
PLOT DATE =	CHECKED - AMS	REVISED

F.A.I.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	398
CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				

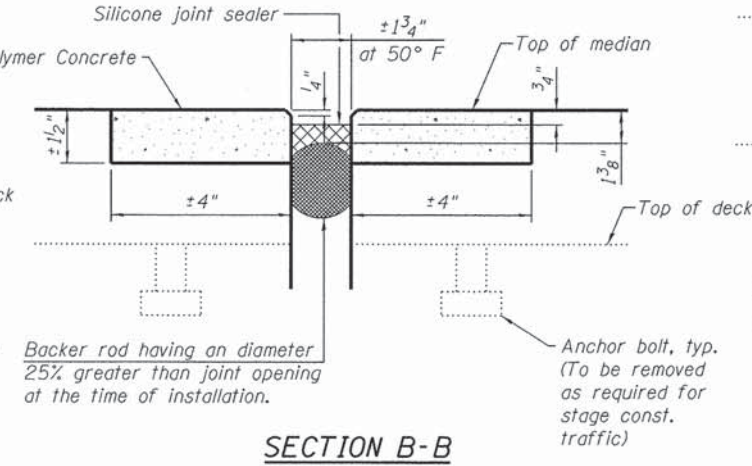


**Notes:**  
 Protective coat shall be applied to extents of the bridge including curbs, medians and inside & top faces of the parapets. Protective coat shall be applied to the median on both approaches. Paid for as Bridge Deck Concrete Sealer.  
 Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.  
 Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included with Concrete Removal.

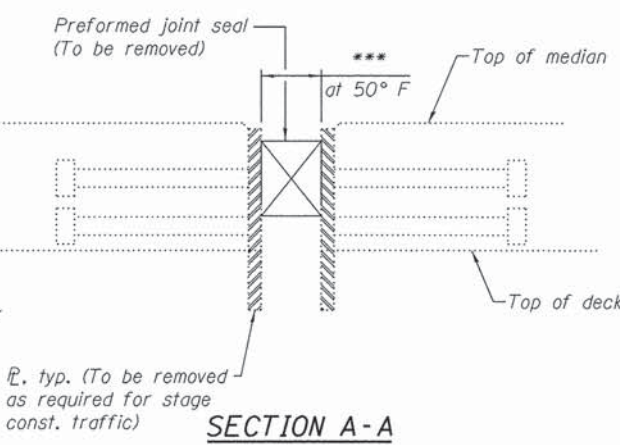
**LEGEND**  
 [Hatched Box] Bituminous Materials (Prime Coat)  
 [Dotted Box] Polymerized Hot-Mix Asphalt Surface Course, Mix "E", N70 (2")  
 [Cross-hatched Box] Hot-Mix Asphalt Surface Removal, 2"  
 \* Typ. W. Abut., Pier 1 and Pier 2  
 \*\* Typ. Piers 3 thru 7 and E. Abut.



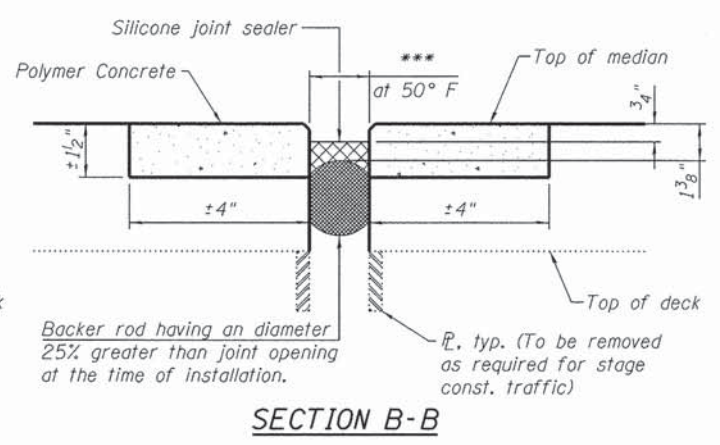
**SECTION A-A**



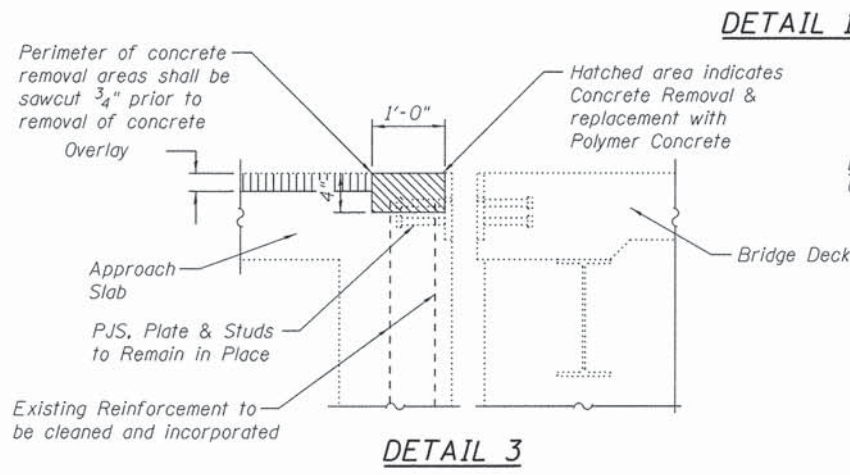
**SECTION B-B**



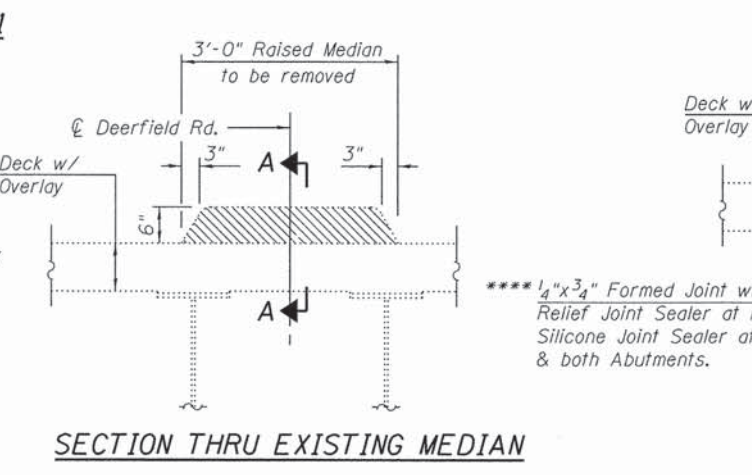
**SECTION A-A**



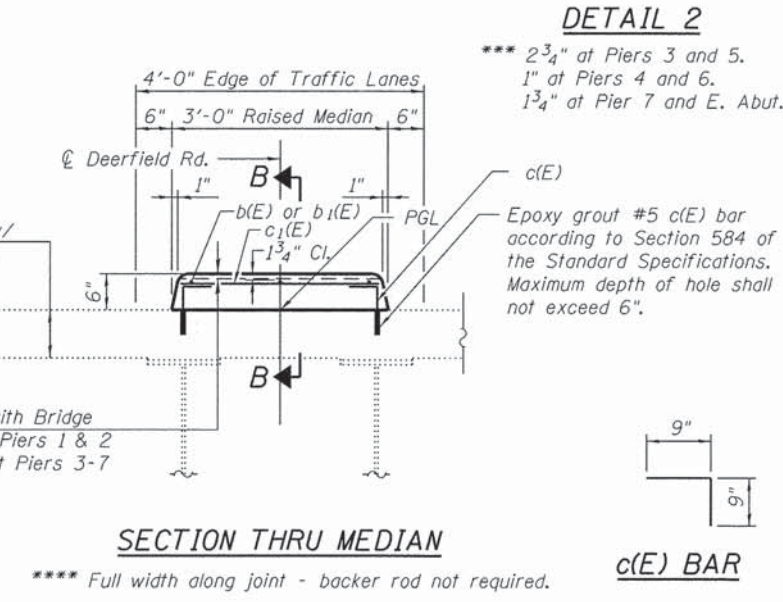
**SECTION B-B**



**DETAIL 3**



**SECTION THRU EXISTING MEDIAN**



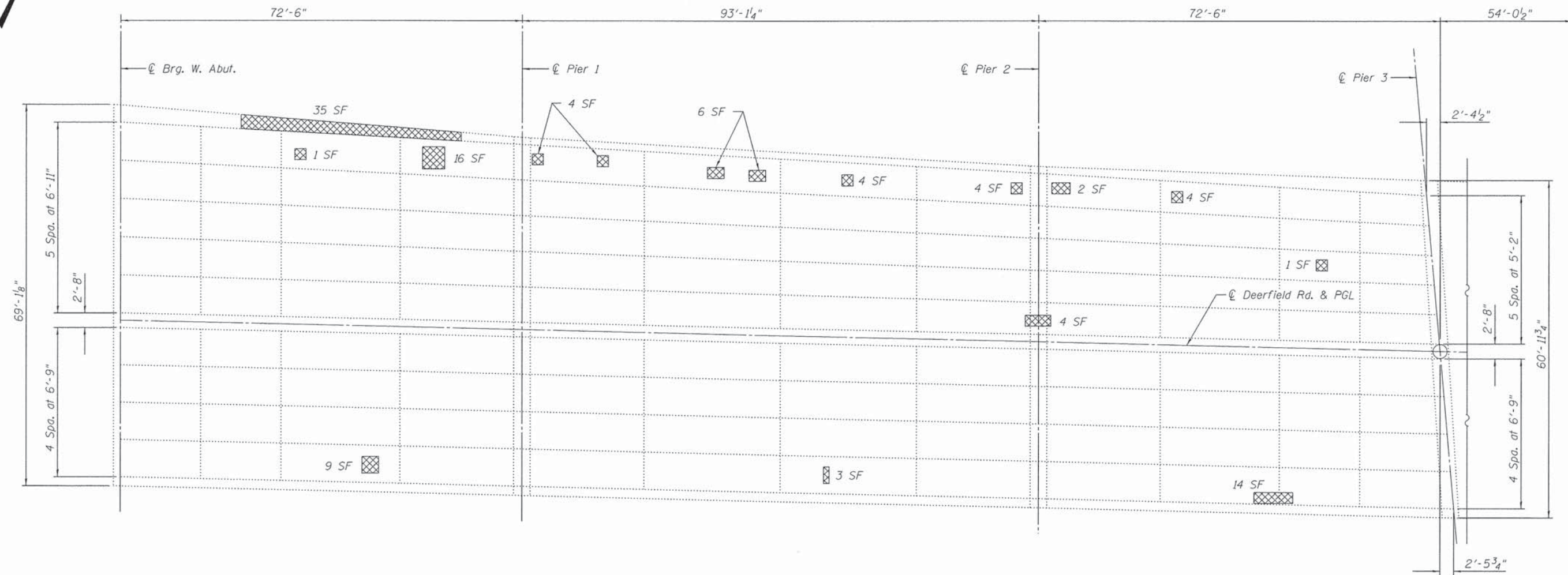
**SECTION THRU MEDIAN**

**c(E) BAR**

**DETAIL 2**  
 \*\*\* 2 3/4" at Piers 3 and 5.  
 1" at Piers 4 and 6.  
 1 3/4" at Pier 7 and E. Abut.

**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape	
b(E)	57	#5	29'-6"	—	
b1(E)	12	#5	22'-2"	—	
c(E)	1190	#5	1'-6"	┌	
c1(E)	595	#5	2'-6"	┌	
Concrete Removal			Cu. Yd.		30.6
Bridge Deck Concrete Sealer			Sq. Ft.		37,453
Polymer Concrete			Cu. Ft.		13
Concrete Superstructure					32.1
Clean & Reseal Relief Joint			Foot		189.5
Bituminous Materials (Prime Coat)			Pound		311
Polymerized Hot-Mix Asphalt Surface Course Mix "E", N70			Ton		78
Hot-Mix Asphalt Surface Removal, 2"			Sq. Yd.		691
Reinforcement Bars, Epoxy Coated			Pound		5,450
Silicone Joint Sealer, 1"			Foot		8
Silicone Joint Sealer, 1.75"			Foot		12
Silicone Joint Sealer, 2.75"			Foot		8



**SOFFIT PLAN**

**BILL OF MATERIAL**

SYMBOL	ITEM DESCRIPTION	UNIT	QUANTITY
	Cleaning and Painting Exposed Rebar	Sq. Ft.	117

Notes:  
 All beams are 36WF194.  
 Repair areas estimated based on visual inspection completed in March, 2014. Actual repair areas and locations shall be determined by the Engineer and shown on As-built Plans.

USER NAME =	DESIGNED - AMS	REVISED
	CHECKED - EKM	REVISED
PLOT SCALE =	DRAWN - DR	REVISED
PLOT DATE =	CHECKED - AMS	REVISED

F.A.I.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	400
			CONTRACT NO. 63882	