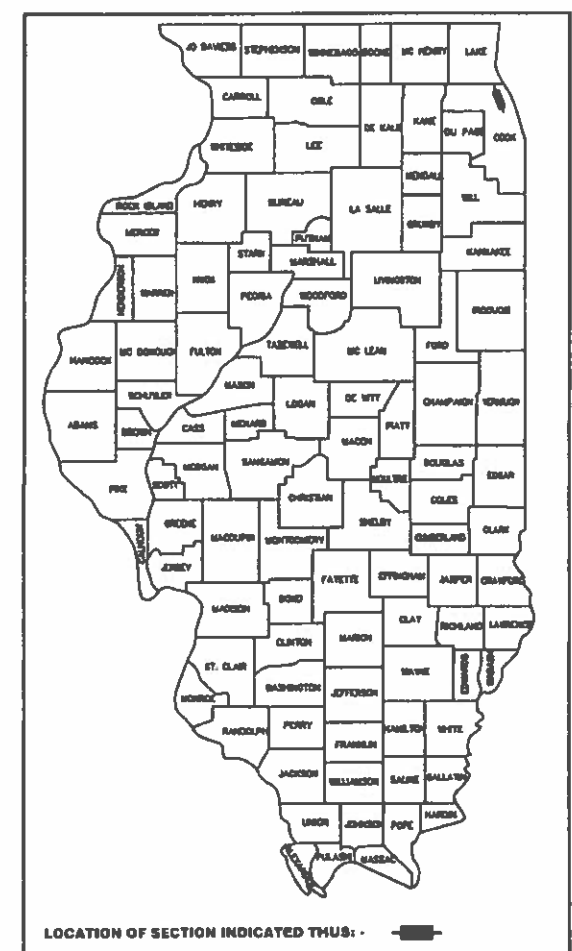


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2771	21-00181-00-R5	COOK	37	1

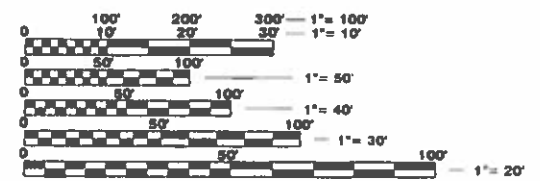
CONTRACT: 61M46

06-12-2026 LETTING ITEM 042

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**  
**PLANS FOR PROPOSED**  
**FEDERAL AID HIGHWAY**  
**F.A.U. ROUTE 2771 (SKOKIE BOULEVARD)**  
**FROM LAKE COOK ROAD TO SOUTHERN VILLAGE LIMITS**  
**ROADWAY IMPROVEMENTS, RESURFACING**  
**SECTION 21-00181-00-RS**  
**PROJECT NO. 4MJU(238)**  
**VILLAGE OF NORTHBROOK**  
**COOK COUNTY**  
**C-91-188-26**



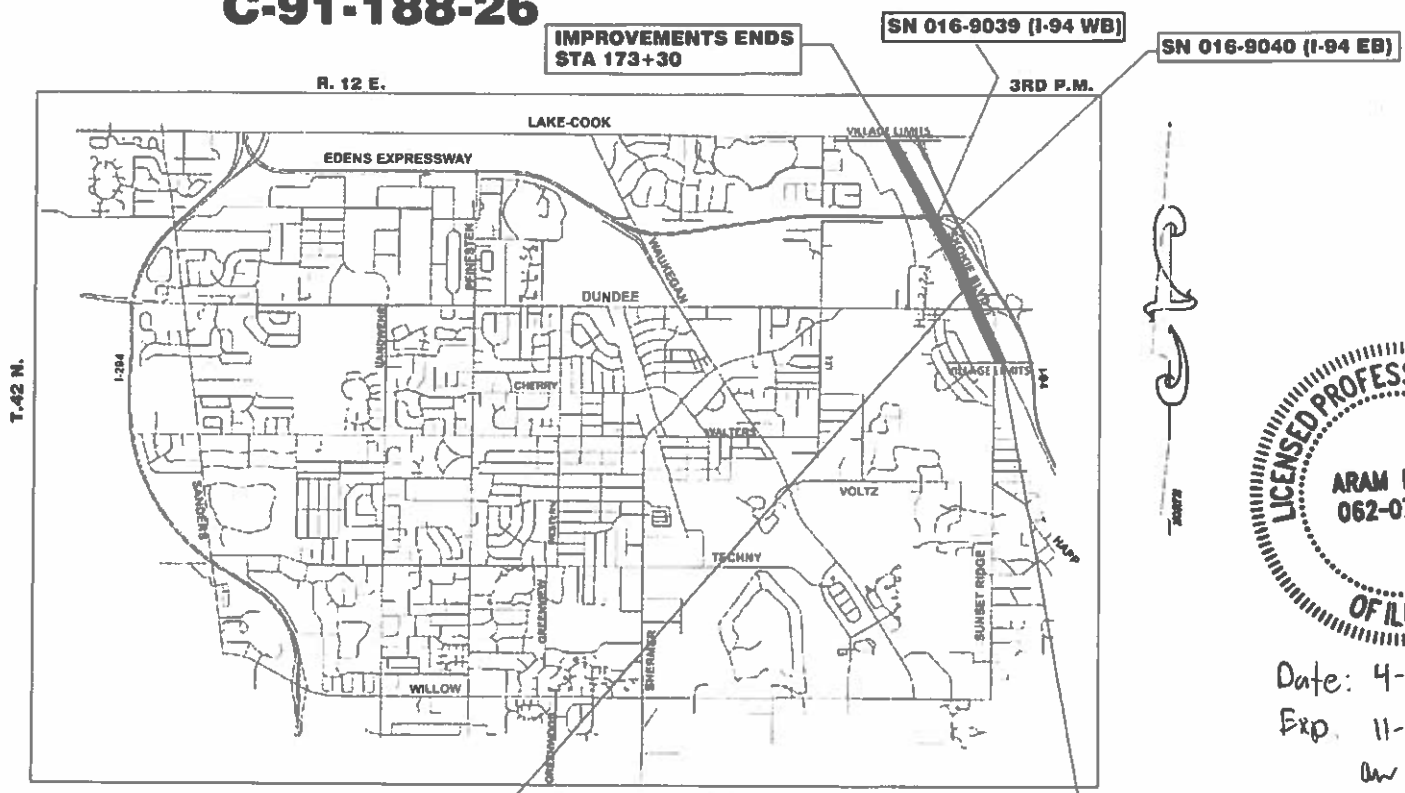
**TRAFFIC DATA:**  
 ADT 16,600 VPD (2022)  
 POSTED SPEED LIMIT - 40 MPH  
 DESIGN SPEED LIMIT - 45 MPH  
 CLASSIFICATION: URBAN COLLECTOR



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD  
 ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT  
 CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS  
 ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.  
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
 1-800-892-0123

**CONTRACT NO. 61M46**



**OMISSIONS:**  
 STA 113+95 TO STA 116+40

NET LENGTH OF PROJECT = 8,885 FT. = 1.682 MILES  
 GROSS LENGTH OF PROJECT = 9,130 FT. = 1.729 MILES



Date: 4-8-2026  
 Exp. 11-30-2027  
 Aram Beladi

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

Approved: April 8, 2026  
 Aram Beladi  
 Village of Northbrook, Village Engineer

Passed: April 10, 2026  
 C. Beladi  
 District 1 Engineer of Local Roads & Streets

Releasing for Bid Base on Limited Review: April 10, 2026  
 [Signature]

**PLANS PREPARED BY VILLAGE OF NORTHBROOK**

**PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS**

FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, P.E. SCHAUMBURG, IL

GENERAL NOTES:

1. THE CONTRACTOR SHALL PERFORM ALL WORK IN THIS CONTRACT IN A MANNER THAT CONFORMS WITH THE NORTHBROOK MUNICIPAL CODE. THE CONTRACTORS ATTENTION IS DRAWN SPECIFICALLY TO PROVISIONS OF THE MUNICIPAL CODE REGARDING CONSTRUCTION EQUIPMENT TRACKING MUD ON PUBLIC STREETS (SEC. 16-1) AND DUST CONTROL (SEC. 16-25).
2. "EDITION"; "THE DETAILS IN THE PLANS, AND THE SPECIAL PROVISIONS AND IDOT STANDARD DRAWINGS CONSTRUCTION IN ILLINOIS" 2020 EIGHTH EDITION, "AMERICAN STANDARDS FOR NURSERY STOCK, 2004 AND HIGHWAYS", (IMUTCD); "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2026. BRIDGE CONSTRUCTION" ("STANDARD SPECIFICATIONS"), ADOPTED JANUARY 1, 2022; THE 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION"
3. THE BITUMINOUS SURFACE SHALL BE MILLED IN A MANNER THAT WILL LEAVE THE EXISTING SURFACE 3 INCHES BELOW THE EDGE OF THE GUTTER FLAG WITH A CROSS SLOPE BETWEEN 1.5% AND 2.5%.
4. COMBINATION CONCRETE CURB AND GUTTER SHALL BE MEASURED STRAIGHT ACROSS DRIVEWAYS AND TRANSITIONS.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS PRIOR TO BIDDING ON THIS PROJECT.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER OR OWNER.
7. ONLY PRECAST CONCRETE ADJUSTMENT RINGS SHALL BE ALLOWED FOR THE ADJUSTMENT OF CATCH BASINS, MANHOLES, VALVE VAULTS AND INLETS.
8. THE CONTRACTOR SHALL ERECT "FRESH OIL" SIGNS PRIOR TO THE PLACEMENT OF THE TACK COAT AND COMMENCEMENT OF PAVING OPERATIONS.
9. THE CONTRACTOR SHALL BE REQUIRED TO DISPOSE OF CURB AND GUTTER, PAVEMENT AND ALL OTHER MATERIALS EXCAVATED OR REMOVED DUE TO THE PROPOSED IMPROVEMENTS. ALL EXCESS EXCAVATED SHALL BE REMOVED FROM THE WORKSITE ON THE DAY OF ITS EXCAVATION.
10. FRAMES AND GRATES, TYPE 21 SHALL HAVE THE WORDS "DUMP NO WASTE" AND "DRAINS TO WATERWAYS" AND A SIDEVIEW OF A FISH STAMPED OR CAST INTO THE TOP SIDE OF CURB BACK.
11. CONTRACTOR SHALL TAKE PRECAUTION BY PRESERVING EXISTING TREES WITHIN THE RIGHT OF WAY. IF ANY DAMAGE OCCURS, TREES SHALL BE REPLACED IN KIND PER ARTICLE 201.07 REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL REQUIREMENTS STATED HEREIN.
12. PHOSPHORUS FERTILIZER HAS BEEN INTENTIONALLY OMITTED FROM THE CONTRACT DUE TO THE PROXIMITY TO THE EXISTING LAGOONS. A PHOSPHORUS-FREE FERTILIZER SHALL BE USED (MIDDLE NUMBER SHOULD EQUAL 0).

COMMITMENTS

NONE AS OF 2/12/26

INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES, DISTRICT ONE DETAILS, STATE STANDARDS
- 3 - 4 SUMMARY OF QUANTITIES
- 5 - 7 TYPICAL SECTIONS
- 8 - 15 ROADWAY PLAN SHEETS
- 16 - 24 PAVEMENT MARKING PLAN SHEETS
- 25 - 37 D1 STANDARDS

STATE STANDARDS

STANDARD NO.	LIST OF DESCRIPTION
000001-09	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
442201-04	CLASS C AND D PATCHES
604076-06	FRAMES AND GRATES TY 21
606001-09	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701101-05	OFF-RD OPERATIONS, MULTILANE, 15'(4.5M) TO 24" (600MM) FROM PAVEMENT EDGE
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS < 40 MPH
701502-09	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGE LANE CLOSURE, MULTILANE, 2W WITH MOUNTAIN MEDIAN
701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-11	TRAFFIC CONTROL DEVICES
780001-01	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKINGS
886001-01	DETECTOR LOOP INSTALLATIONS

DISTRICT ONE STANDARDS

STANDARD NO.	LIST OF DESCRIPTION
BD-01	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15'(4.5M)
BD-02	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER < 15'(4.5M)
BD-08	FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD-22	PAVEMENT PATCHING FOR HMA SURFACE PAVEMENT
BD-24	CURB AND GUTTER REMOVE AND REPLACE
BD-32	BUTT JOINT AND HMA TAPER DETAILS
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
TC-11	RAISED REFLECTIVE PAVEMENT MARKINGS (SNOW PLOW RESISTANT)
TC-13	TYPICAL PAVEMENT MARKINGS
TC-16	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
TC-22	ARTERIAL ROAD INFORMATION SIGN
TS-07	DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING
TS-01	STANDARD TRAFFIC SIGNAL DESIGN DETAIL

FILE NAME - :K/huff/mft/skokie lafo	USER NAME - huff	DESIGNED - J. HUFF	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTAION</b>	<b>INDEX OF SHEETS, DIST 1 DETAILS, STATE STANDARDS &amp; GEN NOTES SKOKIE BOULEVARD RESURFACING</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE 20.000/ in	CHECKED - M. WELLER	REVISED -					2771	21-00181-00-RS	COOK	37	2
	PLOT DATE - XX-XX-XX	DATE - 09-18-25	REVISED -		SCALE: N/A	SHEET NO. 1 OF 36 SHEETS	STA. 82+00 TO STA. 173+30	CONTRACT NO. 61M46		FED. ROAD DIST. NO. 1 ILLINOIS	FED. AID PROJECT	

SPECIALTY ITEM	ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY 80% FEDERAL 20% LOCAL 0005
	20101100	TREE TRUNK PROTECTION	EACH	11
	20101200	TREE ROOT PRUNING	EACH	11
	40600290	BITMINOUS MATERIALS (TACK COAT)	POUND	46,575
	40600400	MIXTURE FOR CRACKS, JOINTS AND FLANGEWAYS	TON	30
	40600982	HOT MIX ASPHALT SURFACE REMOVAL, BUTT JOINT	SQ YD	690
	40603200	POLYMERIZED HOT MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	3,864
	40604062	HOT MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	7,728
	42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVT, 8 INCH	SQ YD	300
	44000161	HOT MIX ASPHALT SURFACE REMOVAL, 3 INCH	SQ YD	69,000
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	800
	44201753	CLASS D PATCHES, TYPE II, 9 INCH	SQ YD	150
	44201757	CLASS D PATCHES, TYPE III, 9 INCH	SQ YD	150
	44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SQ YD	700
	60250200	CATCH BASINS TO BE ADJUSTED	EACH	60
	60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	3
	60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	50
	60404920	FRAMES AND GRATES, TYPE 21	EACH	1
	67100100	MOBILIZATION	L SUM	1
	70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD - 701502	L SUM	1

FILE NAME - :K/huff/mft/skokie lafo	USER NAME - huff	DESIGNED - J. HUFF	REVISED -
		DRAWN - J. HUFF	REVISED -
	PLOT SCALE 20.000/ in	CHECKED - J. KOZA	REVISED -
	PLOT DATE - XX-XX-XX	DATE - XX-X-XX	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SKOKIE BOULEVARD RESURFACING  
SUMMARY OF QUANTITIES**

SCALE: N/A      SHEET NO. 1 OF 36 SHEETS      STA. 82+00 TO STA. 173+30

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2771	21-00181-00-RS	COOK	37	3
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 61M46 FED. AID PROJECT	

SPECIALITY ITEM	ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY 80% FEDERAL 20% LOCAL 0005
	70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD - 701606	L SUM	1
	70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD - 701602	L SUM	1
	70102634	TRAFFIC CONTROL AND PROTECTION, STANDARD - 701611	L SUM	1
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD - 701701	L SUM	1
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD - 701801	L SUM	1
	70300100	SHORT-TERM PAVEMENT MARKING	FOOT	20,000
	70300150	SHORT-TERM PAVEMENT MARKING REMOVAL	SQ FT	2,500
*	78000100	THERMOPLASTIC PAVEMENT MARKING LETTER AND SYMBOLS	SQ FT	3,200
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	36,000
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	9,000
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	3,500
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	800
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1,200
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1,000
	X4060280	HOT MIX ASPHALT DRIVEWAY PAVEMENT, 3 INCH	SQ YD	500
	X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	5,000
	X7200061	TEMPORARY INFOMATION SIGNING	SQ FT	150
*	X8860105	DETECTOR LOOP REPLACEMENT	FOOT	3,400

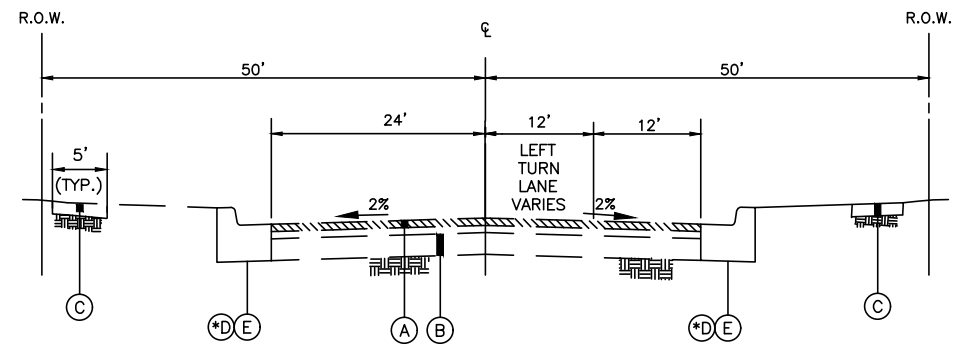
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		DRAWN - J. HUFF	REVISED -
	PLOT SCALE 20.000/ in	CHECKED - M. WLLER	REVISED -
	PLOT DATE - XX-XX-XX	DATE - XX-X-XX	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTAION**

**SKOKIE BOULEVARD RESURFACING  
SUMMARY OF QUANTITIES**

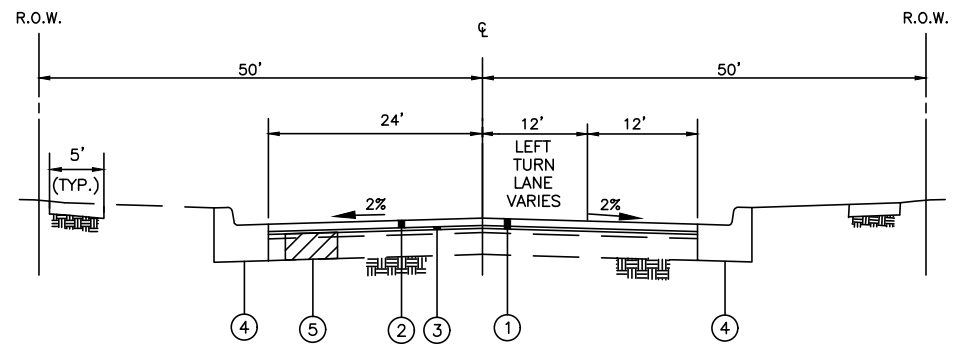
SCALE: N/A      SHEET NO. 1 OF 36 SHEETS      STA. 82+00 TO STA. 173+30

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 61M46 FED. AID PROJECT	



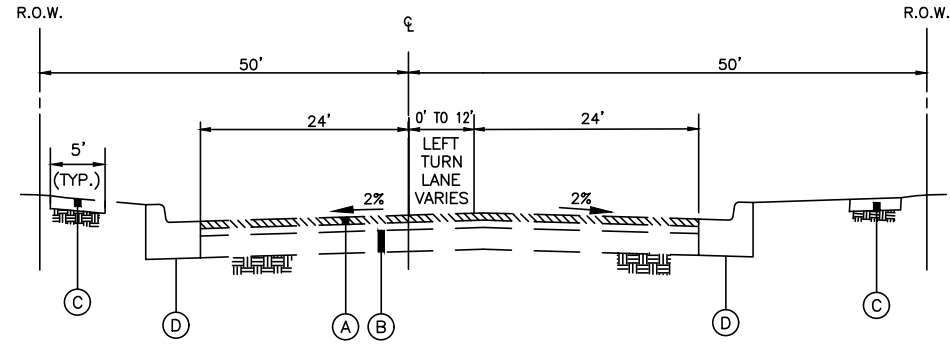
EXISTING TYPICAL SECTION, SKOKIE BOUEVLARD

\*STA. 82+00 TO 96+40



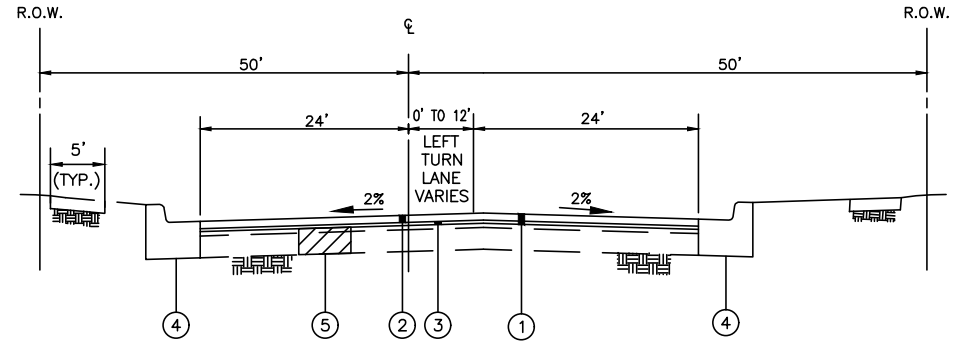
PROPOSED TYPICAL SECTION, SKOKIE BOULEVARD

\*STA. 82+00 TO 96+40



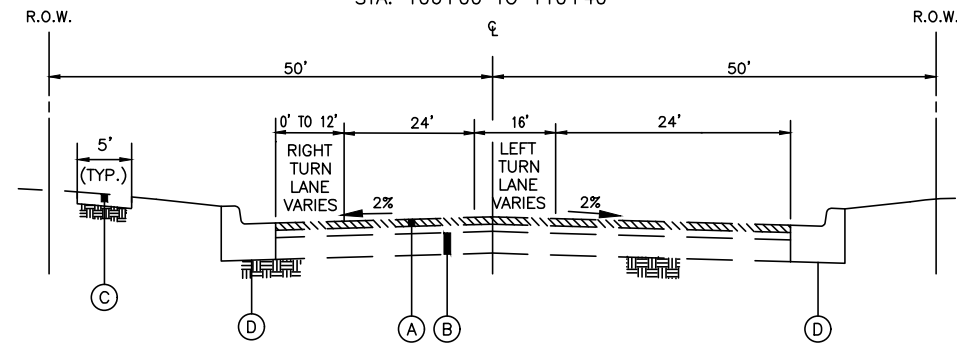
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STA. 96+40 TO 102+00  
STA. 106+00 TO 110+40



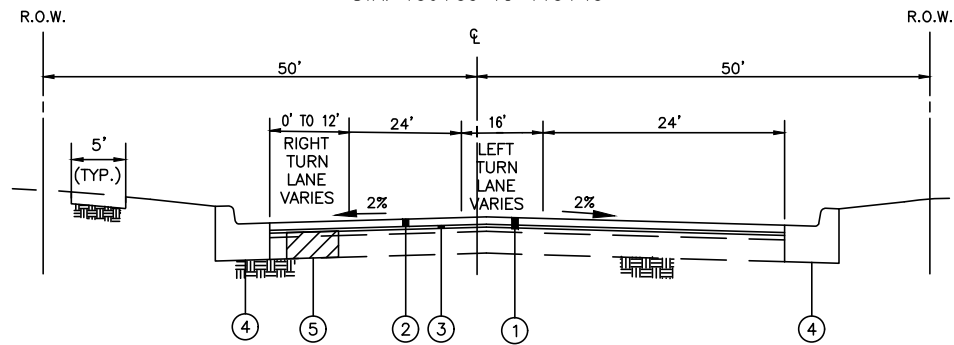
PROPOSED TYPICAL SECTION, SKOKIE BOULEVARD

STA. 96+40 TO 102+00  
STA. 106+00 TO 110+40



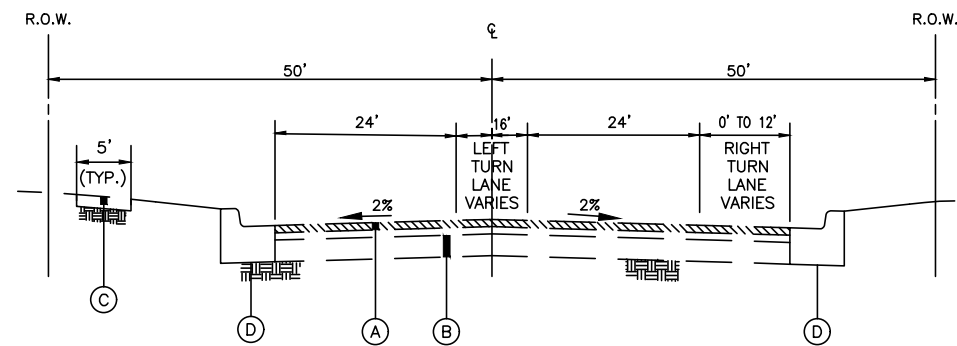
EXISTING TYPICAL SECTION, SKOKIE BOULEVARD

STA. 102+00 TO 106+00



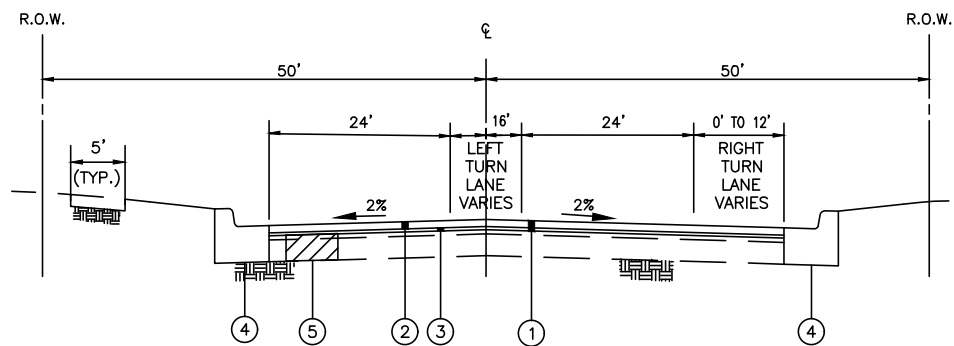
PROPOSED TYPICAL SECTION, SKOKIE BOULEVARD

STA. 102+00 TO 106+00



EXISTING TYPICAL SECTION, SKOKIE BOUELVARD

STA. 110+40 TO 113+95



PROPOSED TYPICAL SECTION, SKOKIE BOULEVARD

STA. 110+40 TO 113+95

- (A) EXISTING BITUMINOUS SURFACE COURSE
- (B) EXISTING P.C.C. BASE COURSE
- (C) EXISTING P.C.C. SIDEWALK
- (D) COMB. CONC. CURB & GUTTER, TYPE B-6.12
- (E) COMB. CONC. CURB & GUTTER, TYPE B-6.24
- (F) CONCRETE MEDIAN
- (1) HMA SURFACE REMOVAL, 3 INCH
- (2) HMA SURFACE COURSE, IL-9.5, MIX "D", N70, (2 INCH)
- (3) POLYMERIZED HMA BINDER COURSE, IL-4.75, N50 (1")
- (4) COMB. CONC. CURB & GUTTER REMOVAL AND REPLACEMENT (SPECIAL) GREATER THAN 10 FEET
- (5) CLASS D PATCHES, 9", AS SHOWN ON PLANS

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

OPERATION	MIXTURE TYPE	AIR VOIDS @NDES	QMP
PAVEMENT RESURFACING	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 2"	4% @ 70 GYR.	LR1030-2
	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 1"	3.5% @ 50 GYR.	LR1030-2
CLASS D PATCHES	HOT-MIX ASPHALT BINDER COURSE IL-19.0, N50, 9"	4% @ 50 GYR.	LR1030-2
HMA DRIVEWAY PAVEMENT, 3"	HMA SURFACE COURSE MIX "D" IL-9.5, N50 3" (IN 2 LIFTS)	4% @ 50 GYR.	LR1030-2

QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR1030-2

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

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

J:\HUFF\SKOKIE LAFO\SKOKIE TYP-SEC.DWG

FILE NAME - :K/huff/mft/skokie	USER NAME - huff	DESIGNED - J. HUFF	REVISED -
		DRAWN - J. HUFF	REVISED -
	PLOT SCALE 30.000/ in	CHECKED - J. HUFF	REVISED -
	PLOT DATE - X-XX-XX	DATE - X-X-X	REVISED -

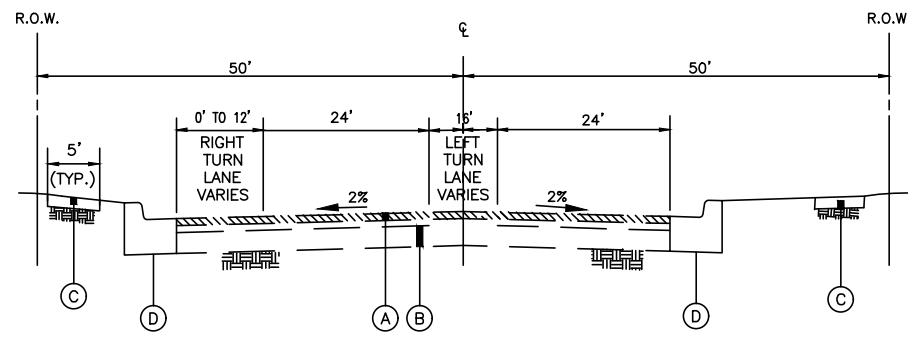
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SKOKIE BOULEVARD RESURFACING  
EXISTING AND PROPOSED TYPICAL SECTIONS**

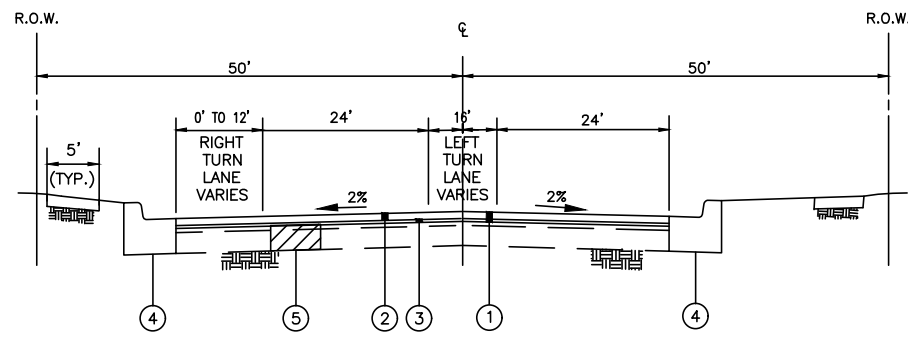
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F.A.U. RTE. 2771	SECTION 21-00181-00-RS	COUNTY COOK	TOTAL SHEETS 37	SHEET NO. 5
FED. ROAD DIST. NO. 1 ILLINOIS				FED. AID PROJECT

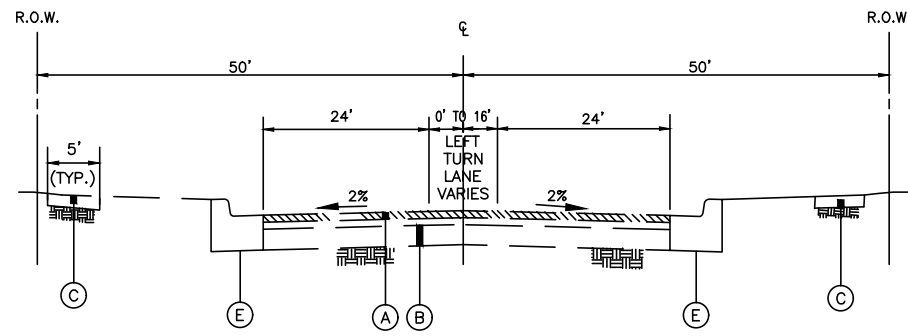
CONTRACT NO. 61M46



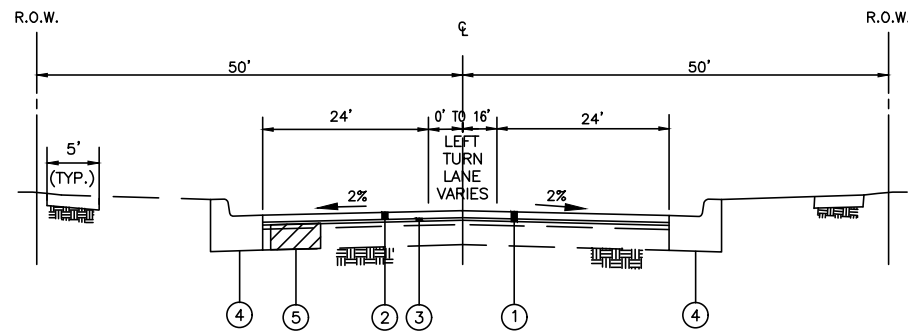
EXISTING TYPICAL SECTION, SKOKIE BOULEVARD  
STA. 116+40 TO 129+00



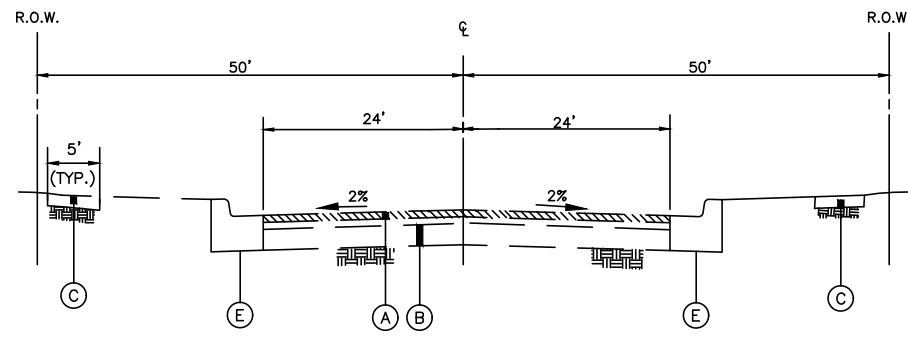
PROPOSED TYPICAL SECTION, SKOKIE BOULEVARD  
STA. 116+40 TO 129+00



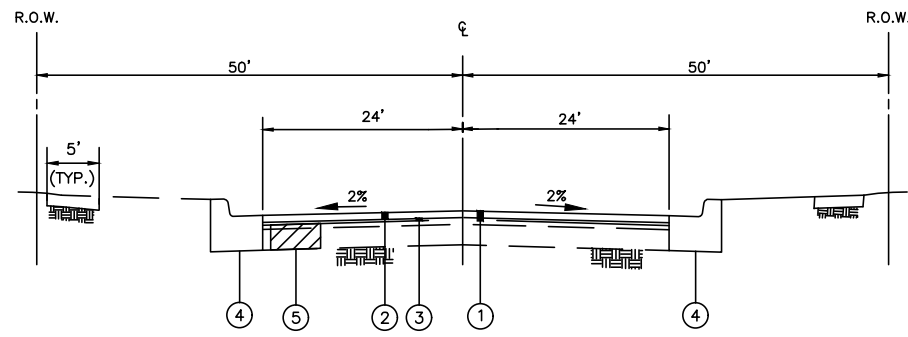
EXISTING TYPICAL SECTION, SKOKIE BOULEVARD  
STA. 129+00 TO 144+90



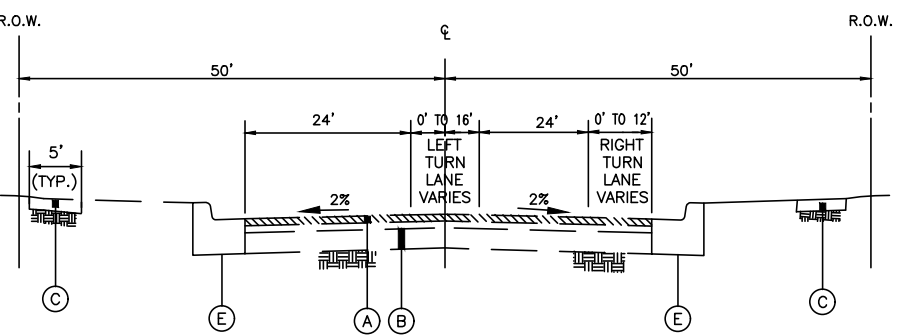
PROPOSED TYPICAL SECTION, SKOKIE BOULEVARD  
STA. 119+84 TO 144+90



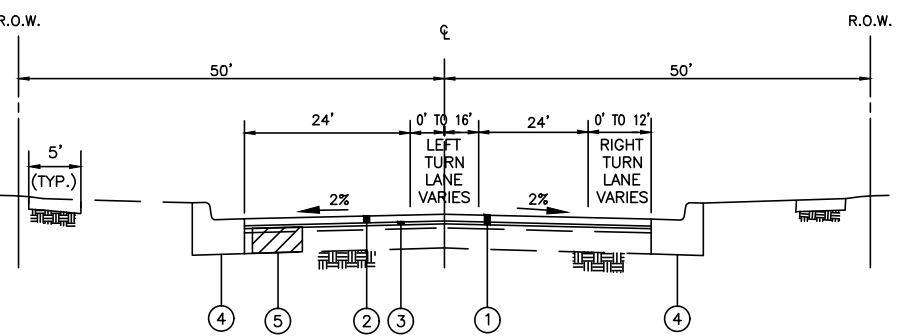
EXISTING TYPICAL SECTION, SKOKIE BOULEVARD  
STA. 144+90 TO 148+00



PROPOSED TYPICAL SECTION, SKOKIE BOULEVARD  
STA. 144+90 TO 148+00



EXISTING TYPICAL SECTION, SKOKIE BOULEVARD  
STA. 148+00 TO 151+00



PROPOSED TYPICAL SECTION, SKOKIE BOULEVARD  
STA. 148+00 TO 151+00

- Ⓐ EXISTING BITUMINOUS SURFACE COURSE
- Ⓑ EXISTING P.C.C. BASE COURSE
- Ⓒ EXISTING P.C.C. SIDEWALK
- Ⓓ COMB. CONC. CURB & GUTTER, TYPE B-6.12
- Ⓔ COMB. CONC. CURB & GUTTER, TYPE B-6.24
- Ⓕ CONCRETE MEDIAN
- ① HMA SURFACE REMOVAL, 3 INCH
- ② HMA SURFACE COURSE, IL-9.5, MIX "D", N70, (2 INCH)
- ③ POLYMERIZED HMA BINDER COURSE, IL-4.75, N50 (1")
- ④ COMB. CONC. CURB & GUTTER REMOVAL AND REPLACEMENT (SPECIAL) GREATER THAN 10 FEET
- ⑤ CLASS D PATCHES, 9", AS SHOWN ON PLANS

FILE NAME - :K/huff/mft/skokie

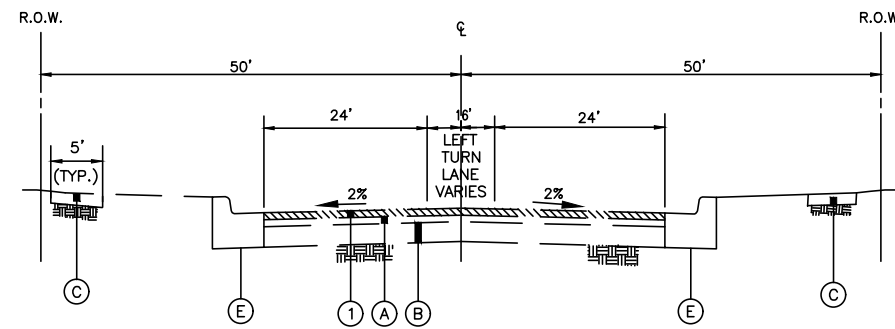
USER NAME - huff	DESIGNED - J. HUFF	REVISED -
PLOT SCALE 30.000/ in	DRAWN - J. HUFF	REVISED -
PLOT DATE - X-XX-XX	CHECKED - J. HUFF	REVISED -
	DATE - X-X-X	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

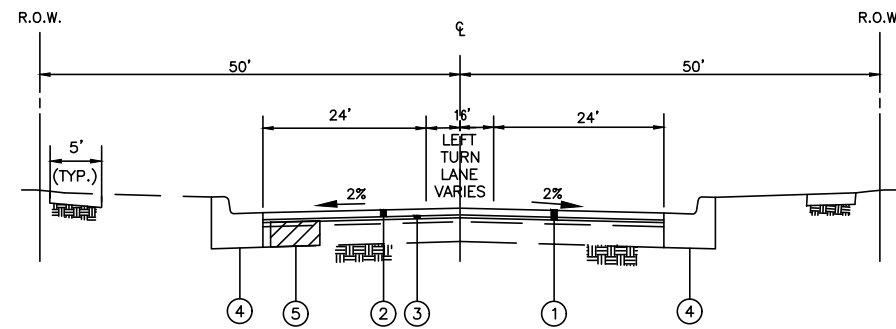
SKOKIE BOULEVARD RESURFACING  
EXISTING AND PROPOSED TYPICAL SECTION

SCALE: 30 SHEET NO. 1 OF 21 SHEETS STA. 82+00 TO STA. 173+30

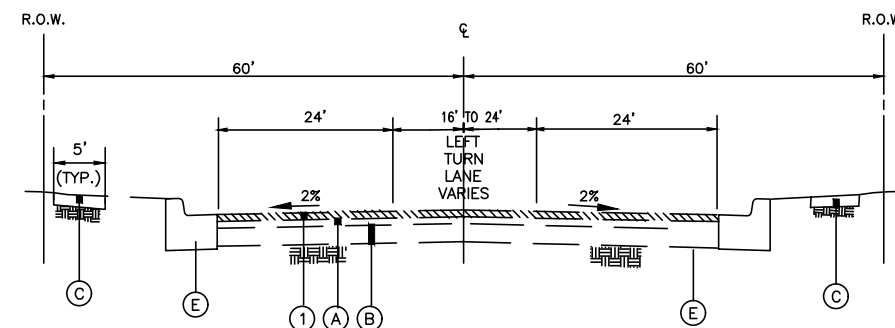
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2771	21-00181-00-RS	COOK	37	6
FED. ROAD DIST. NO. 1   ILLINOIS			CONTRACT NO. 61M46 FED. AID PROJECT	



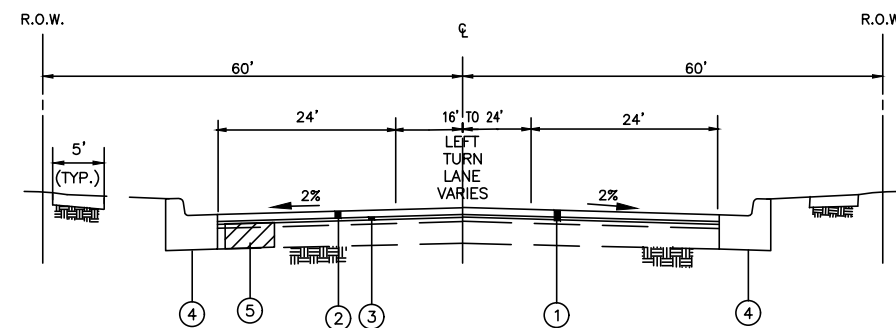
EXISTING TYPICAL SECTION, SKOKIE BOULEVARD  
STA. 151+00 TO 164+00



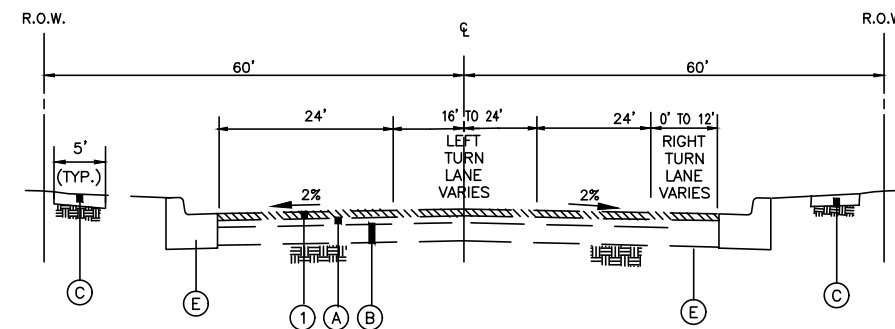
PROPOSED TYPICAL SECTION, SKOKIE BOULEVARD  
STA. 151+00 TO 164+00



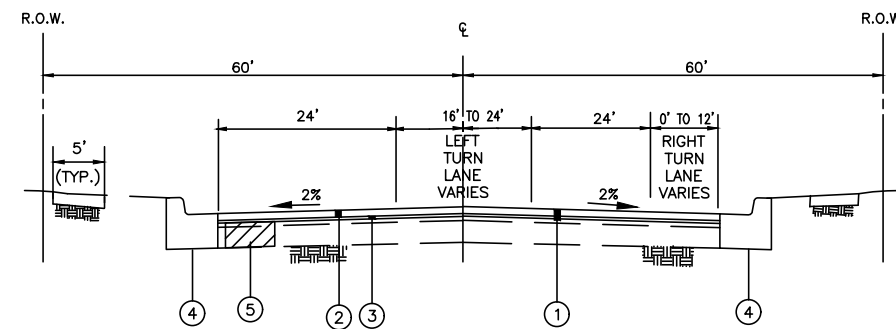
EXISTING TYPICAL SECTION, SKOKIE BOULEVARD  
STA. 164+00 TO 169+90



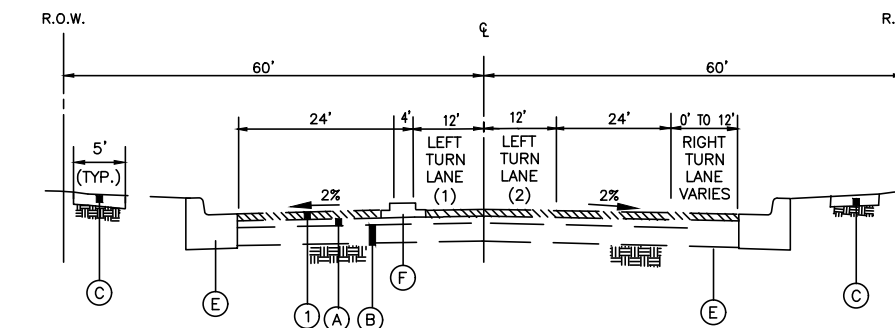
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STA. 164+00 TO 169+90



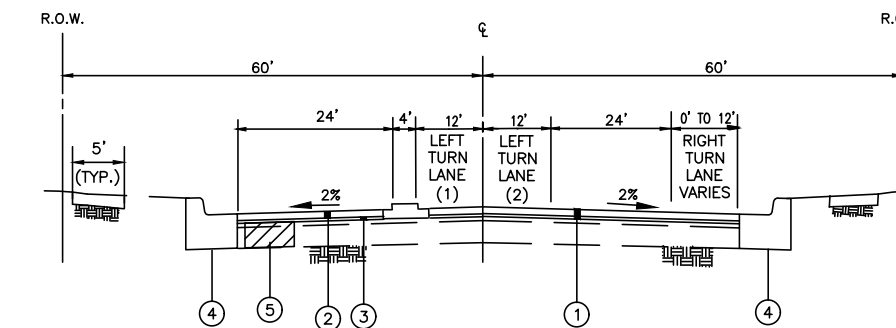
EXISTING TYPICAL SECTION, SKOKIE BOULEVARD  
STA. 169+90 TO 171+50



PROPOSED TYPICAL SECTION, SKOKIE BOULEVARD  
STA. 169+90 TO 171+50



EXISTING TYPICAL SECTION, SKOKIE BOULEVARD  
STA. 171+50 TO 177+67



PROPOSED TYPICAL SECTION, SKOKIE BOULEVARD  
STA. 171+50 TO 177+67

- (A) EXISTING BITUMINOUS SURFACE COURSE
- (B) EXISTING P.C.C. BASE COURSE
- (C) EXISTING P.C.C. SIDEWALK
- (D) COMB. CONC. CURB & GUTTER, TYPE B-6.12
- (E) COMB. CONC. CURB & GUTTER, TYPE B-6.24
- (F) CONCRETE MEDIAN
- (1) HMA SURFACE REMOVAL, 3 INCH
- (2) HMA SURFACE COURSE, IL-9.5, MIX "D", N70, (2 INCH)
- (3) POLYMERIZED HMA BINDER COURSE, IL-4.75, N50 (1")
- (4) COMB. CONC. CURB & GUTTER REMOVAL AND REPLACEMENT (SPECIAL) GREATER THAN 10 FEET
- (5) CLASS D PATCHES, 9", AS SHOWN ON PLANS

FILE NAME -  
:K/huff/mft/skokie

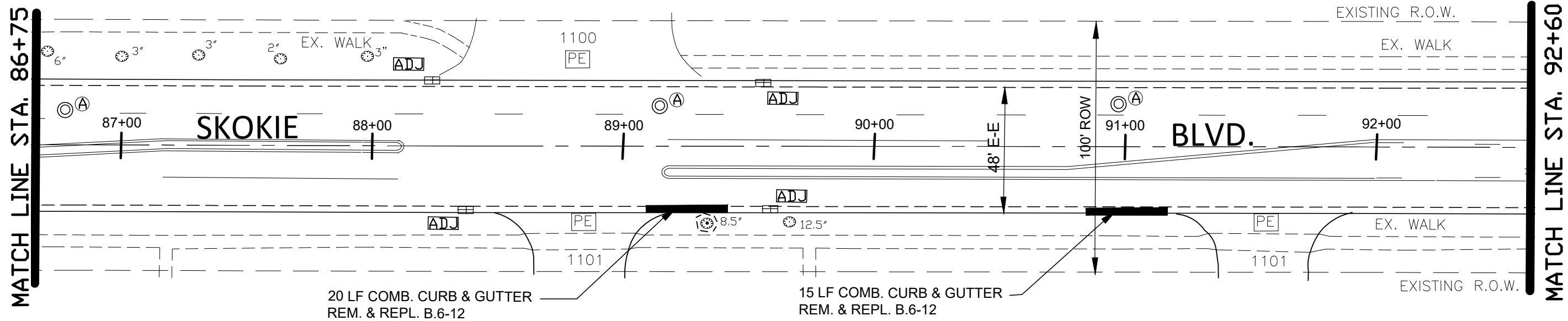
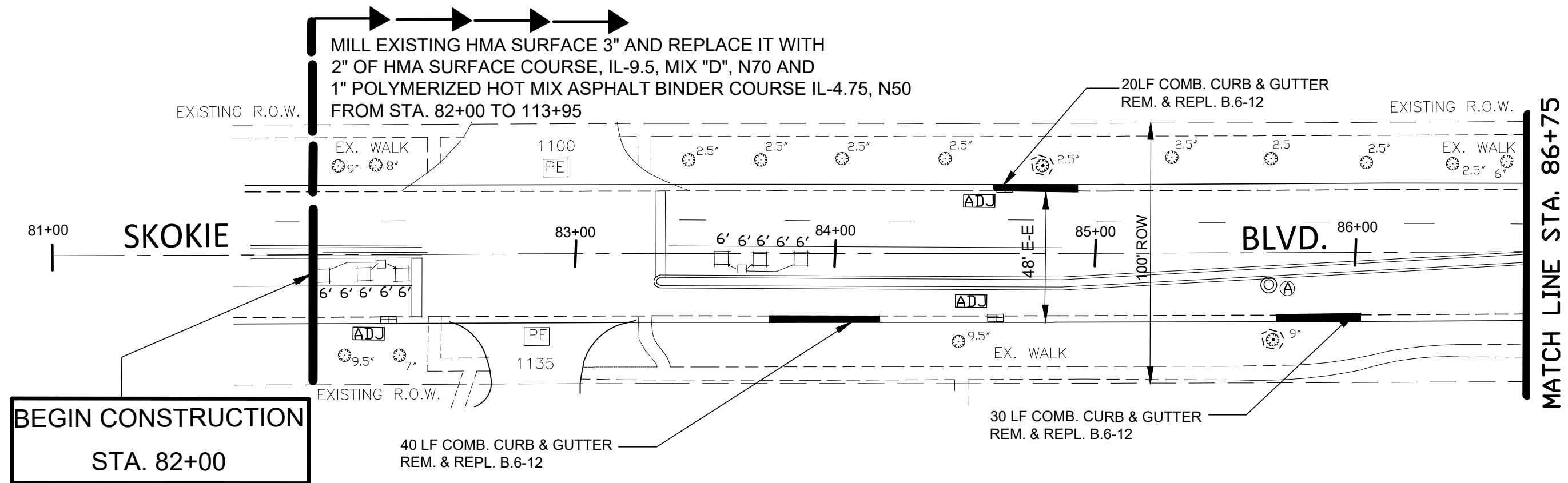
USER NAME - huff	DESIGNED - J. HUFF	REVISED -
PLOT SCALE 30.000/in	DRAWN - J. HUFF	REVISED -
PLOT DATE - X-XX-XX	CHECKED - J. HUFF	REVISED -
	DATE - X-X-X	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SKOKIE BOULEVARD RESURFACING  
EXISTING AND PROPOSED PLAN

SCALE: 30 SHEET NO. 1 OF 21 SHEETS STA. 82+00 TO STA. 173+30

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2771	21-00181-00-RS	COOK	37	7
CONTRACT NO. 61M46				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

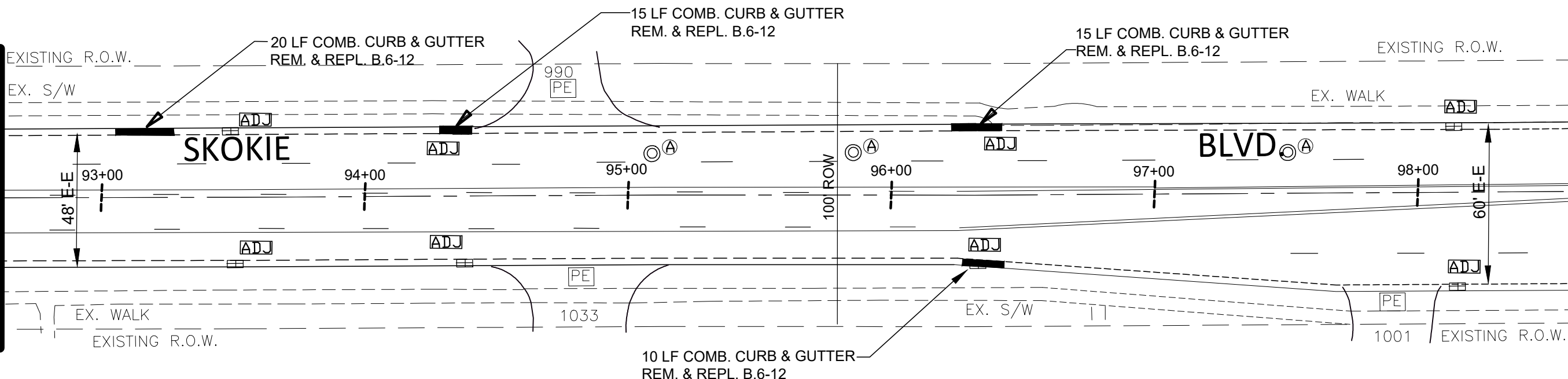


- LEGEND**
- ADJ CATCH BASINS TO BE ADJUSTED
  - A ADJUST SPECIAL
  - T TREE TRUNK PROTECTION
  - R TREE ROOT PRUNING



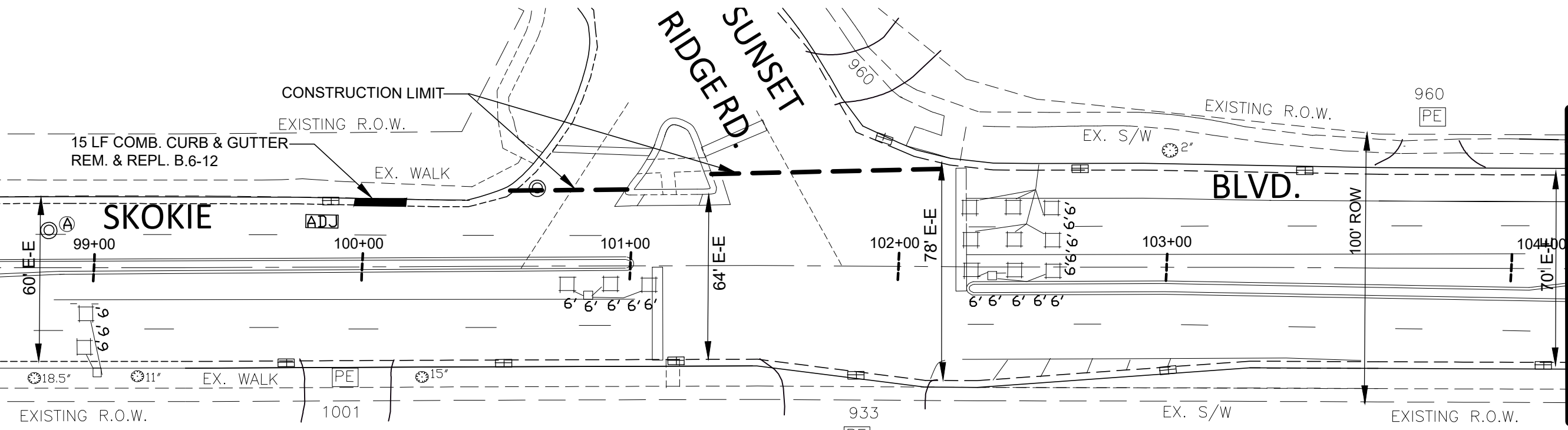
FILE NAME - iK/huff/mft/skokie	USER NAME - huff	DESIGNED - J. HUFF	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SKOKIE BOULEVARD RESURFACING EXISTING AND PROPOSED PLAN</b>	F.A.U. RTE. 2771	SECTION 21-00181-00-RS	COUNTY COOK	TOTAL SHEETS 37	SHEET NO. 8	
PLOT SCALE 30.000/ in	CHECKED - M. WELLER	REVISED -	REVISED -			SCALE: 30		SHEET NO. 1 OF 36 SHEETS		STA. 82+00 TO STA. 173+30	
PLOT DATE - 11-05-25	DATE - 11-9-25	REVISED -	REVISED -			CONTRACT NO. 61M46					
						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					

MATCH LINE STA. 92+60



MATCH LINE STA. 98+30

MATCH LINE STA. 98+30



MATCH LINE STA. 104+10

**LEGEND**

- ADJ** CATCH BASINS TO BE ADJUSTED
- A** ADJUST SPECIAL

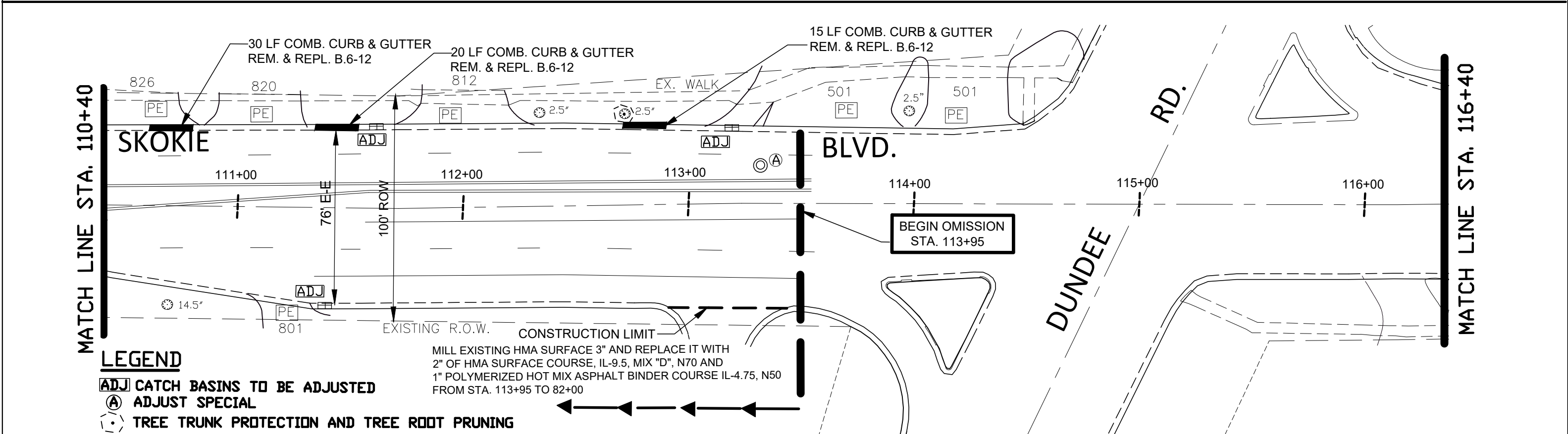
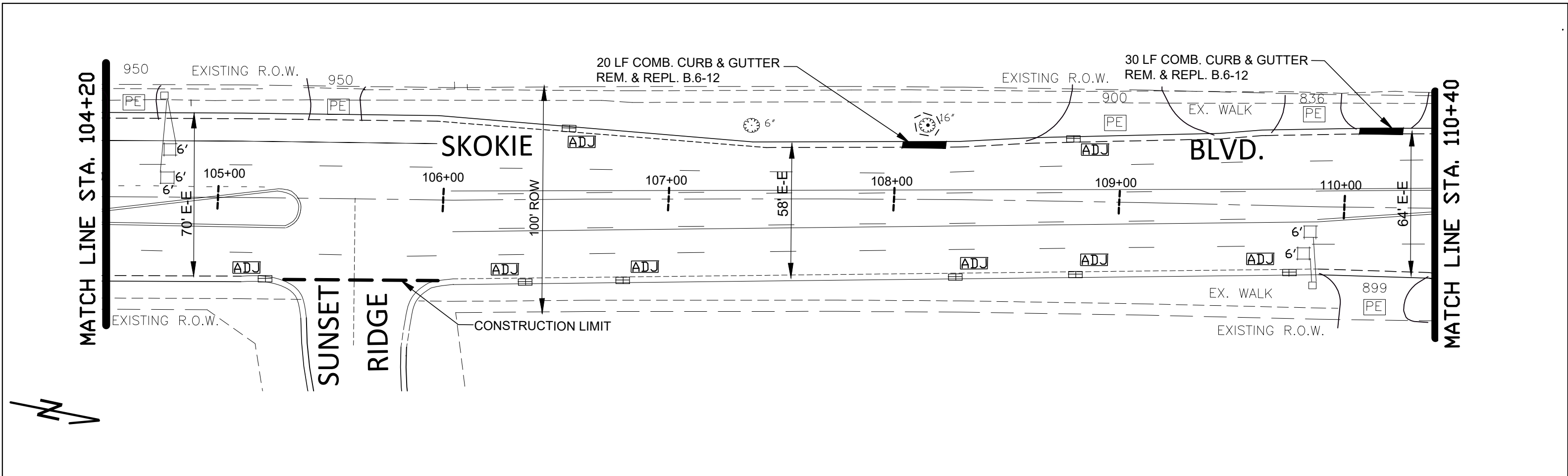
FILE NAME - K/huff/mft/skokie	USER NAME - huff	DESIGNED - J. HUFF	REVISED -
		DRAWN - J. HUFF	REVISED -
	PLOT SCALE 30.000/ in	CHECKED - M. WELLER	REVISED -
	PLOT DATE - 11-05-25	DATE - 11-10-25	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

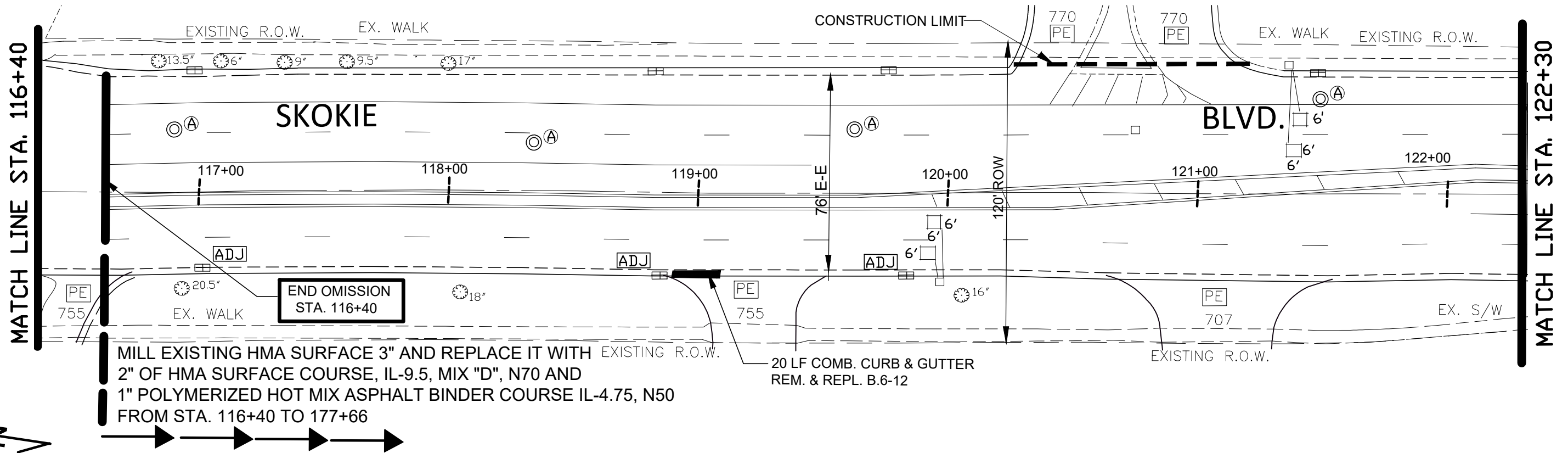
**SKOKIE BOULEVARD RESURFACING  
EXISTING AND PROPOSED PLAN**

SCALE: 30      SHEET NO. 1 OF 36 SHEETS      STA. 82+00 TO STA. 173+30

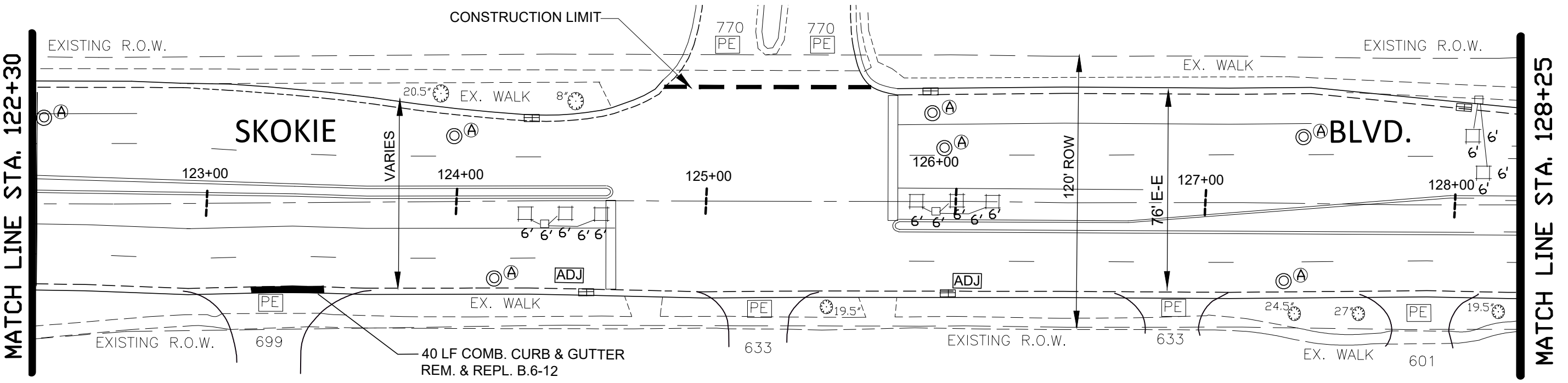
F.A.U. RTE. 2771	SECTION 21-00181-00-RS	COUNTY COOK	TOTAL SHEETS 37	SHEET NO. 9
FED. ROAD DIST. NO. 1 ILLINOIS				CONTRACT NO. 61M46 FED. AID PROJECT



FILE NAME - iK/huff/mft/skokie	USER NAME - huff	DESIGNED - J. HUFF	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SKOKIE BOULEVARD RESURFACING EXISTING AND PROPOSED PLAN</b>			F.A.U. RTE. 2771	SECTION 21-00181-00-RS	COUNTY COOK	TOTAL SHEETS 37	SHEET NO. 10
PLOT SCALE 30.000/ in	CHECKED - M. WELLER	DATE - 11-09-25	REVISED -		SCALE: 30	SHEET NO. 1 OF 36 SHEETS	STA. 82+00 TO STA. 173+30	CONTRACT NO. 61M46				
PLOT DATE - 11-05-25	DATE - 11-09-25	REVISED -	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS							
FED. AID PROJECT												



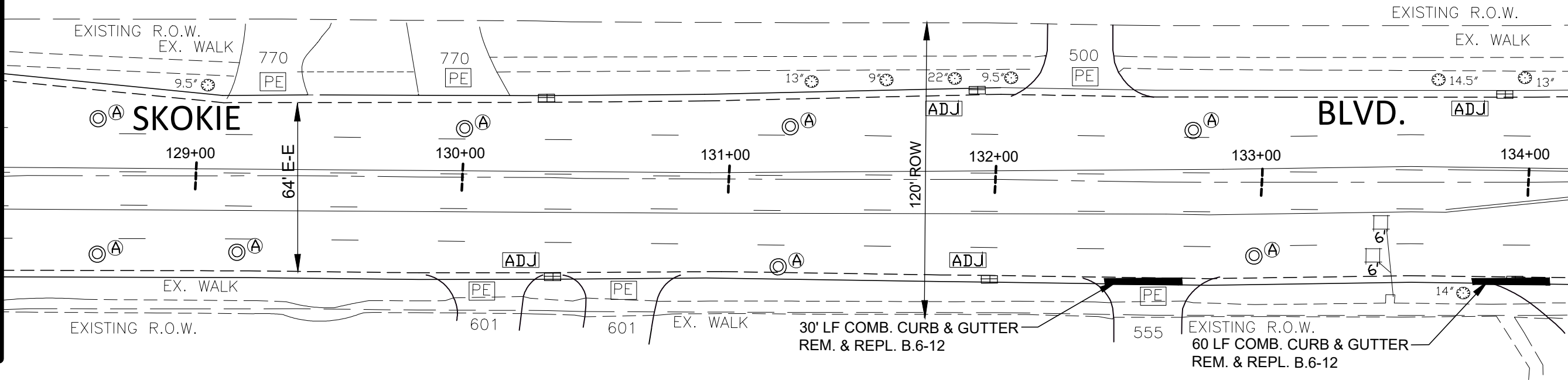
MILL EXISTING HMA SURFACE 3" AND REPLACE IT WITH 2" OF HMA SURFACE COURSE, IL-9.5, MIX "D", N70 AND 1" POLYMERIZED HOT MIX ASPHALT BINDER COURSE IL-4.75, N50 FROM STA. 116+40 TO 177+66



**LEGEND**  
 [ADJ] CATCH BASINS TO BE ADJUSTED  
 (A) ADJUST SPECIAL

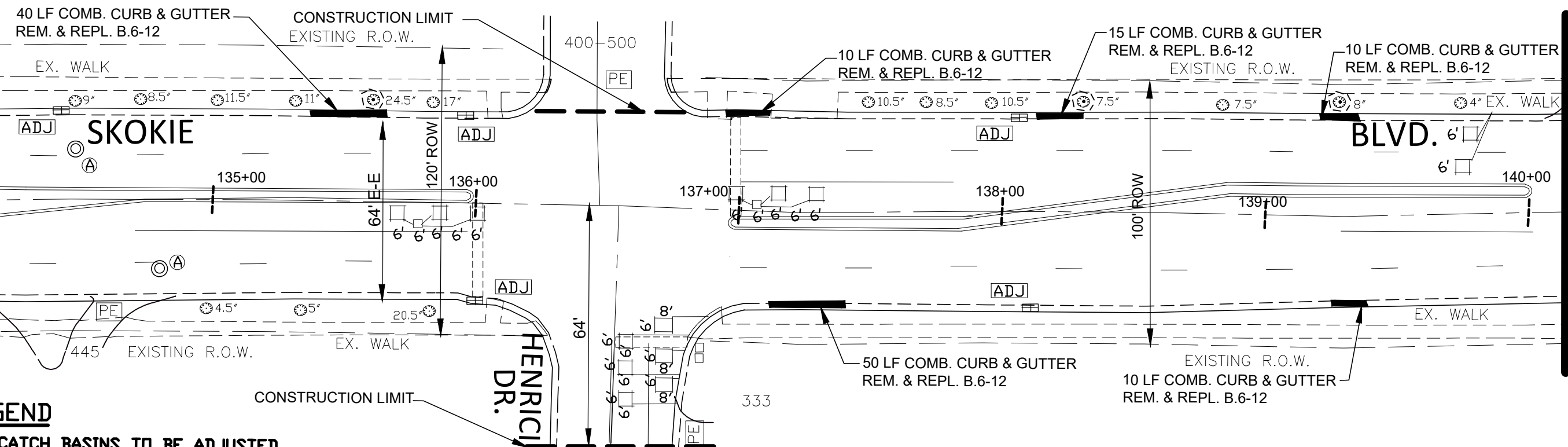
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	PLOT SCALE 30.000/ in	CHECKED - M. WELLER	REVISED -					CONTRACT NO. 61M46				
	PLOT DATE - 11-05-25	DATE - 11-09-25	REVISED -		SCALE: 30	SHEET NO. 1 OF 36 SHEETS	STA. 82+00 TO STA. 173+30	FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		

MATCH LINE STA. 128+25



MATCH LINE STA. 134+15

MATCH LINE STA. 134+15



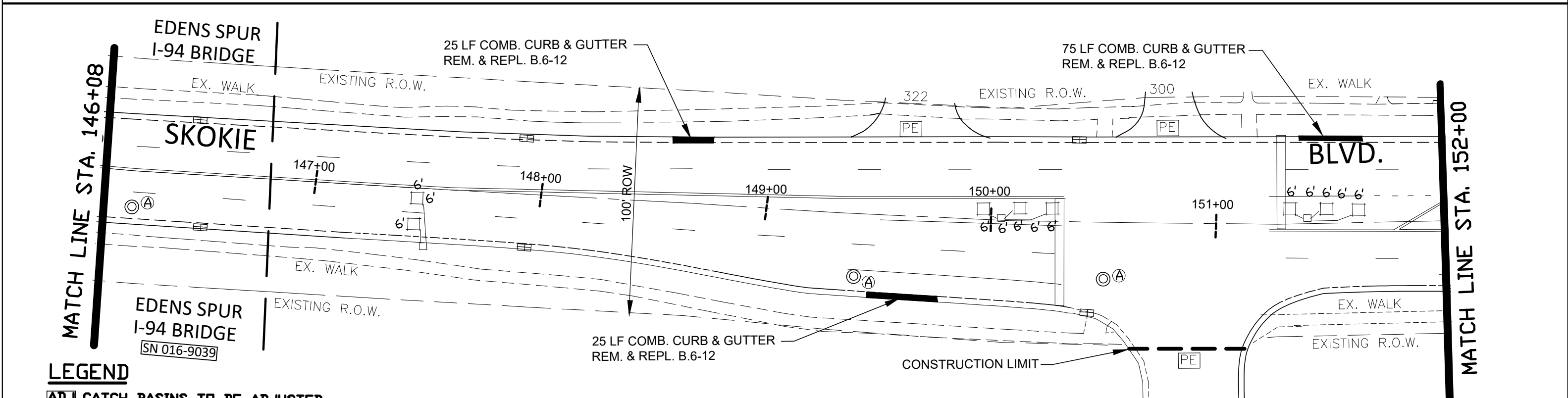
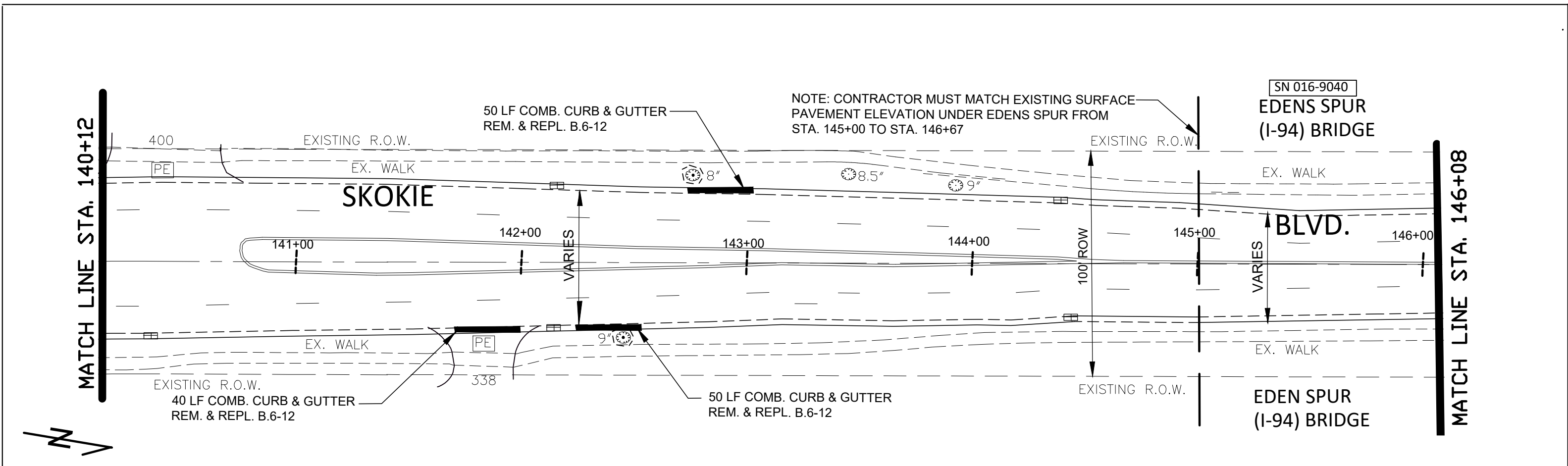
MATCH LINE STA. 140+12

**LEGEND**

- ADJ CATCH BASINS TO BE ADJUSTED
- ⊙ ADJUST SPECIAL
- ⊙ TREE TRUNK PROTECTION
- ⊙ TREE ROOT PRUNING

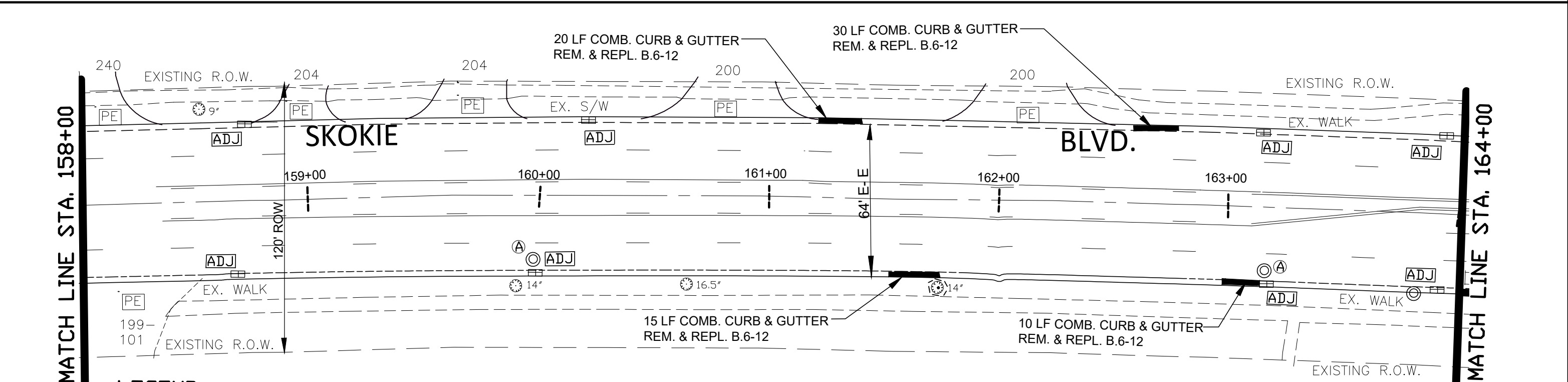
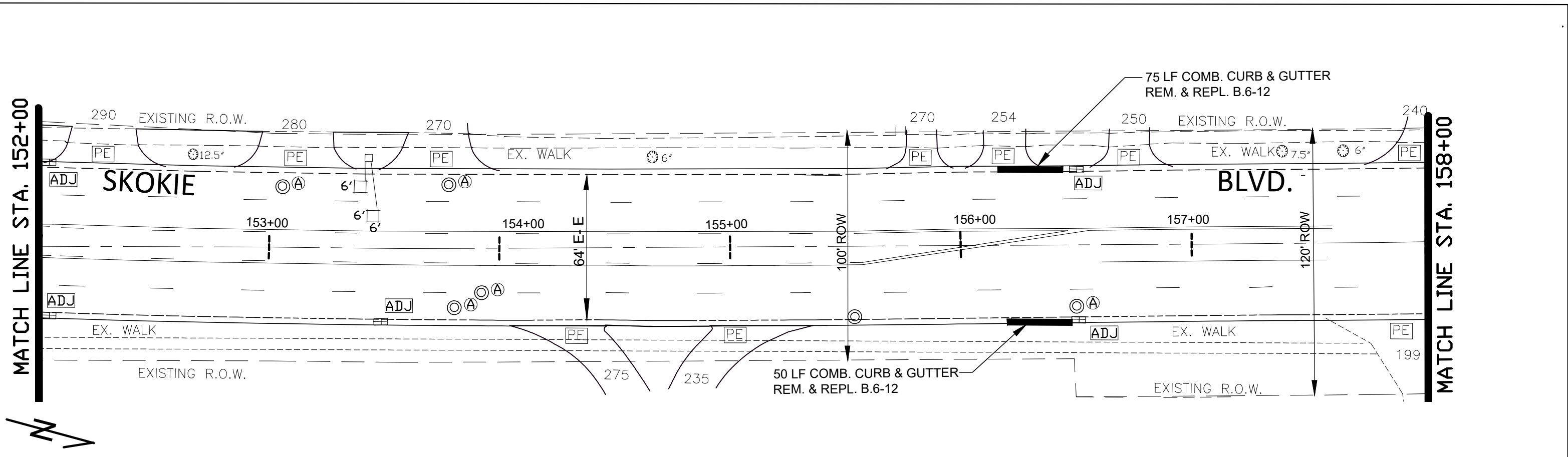


FILE NAME - IK/huff/mft/skokie	USER NAME - huff	DESIGNED - J. HUFF	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SKOKIE BOULEVARD RESURFACING EXISTING AND PROPOSED PLAN</b>			F.A.U. RTE. 2771	SECTION 21-00181-00-RS	COUNTY COOK	TOTAL SHEETS 37	SHEET NO. 12
	PLOT SCALE 30.000/ in	CHECKED - M. WELLER	REVISED -					SCALE: 30    SHEET NO. 1 OF 36 SHEETS    STA. 82+00 TO STA. 173+30			CONTRACT NO. 61M46	
	PLOT DATE - 11-05-25	DATE - 09-10-25	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT				



- LEGEND**
- ADJ CATCH BASINS TO BE ADJUSTED
  - Ⓐ ADJUST SPECIAL
  - ⊙ TREE TRUNK PROTECTION AND TREE ROOT PRUNING

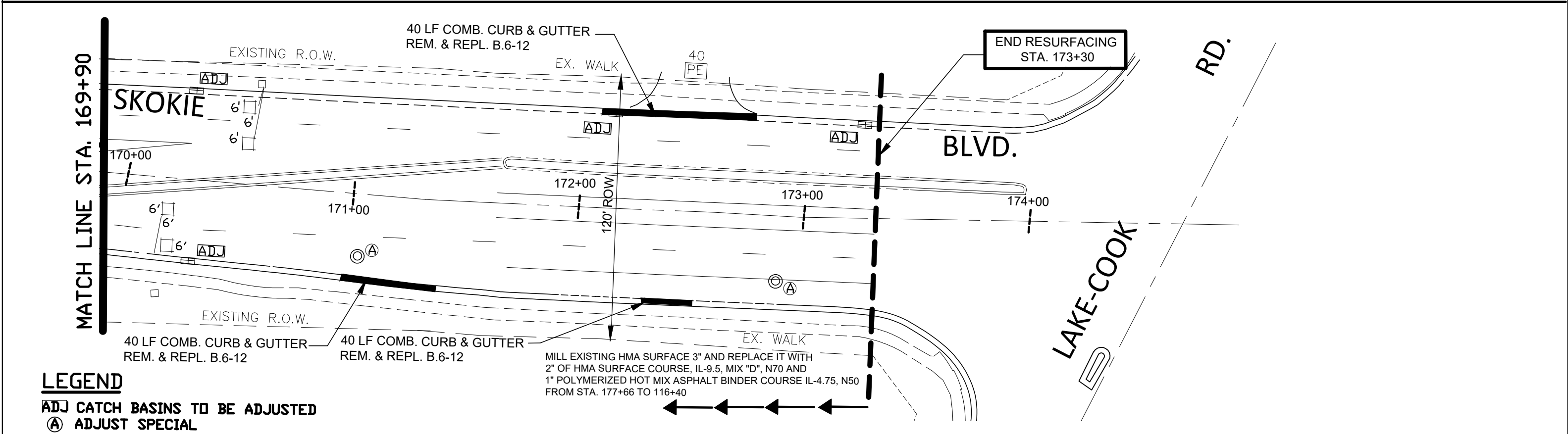
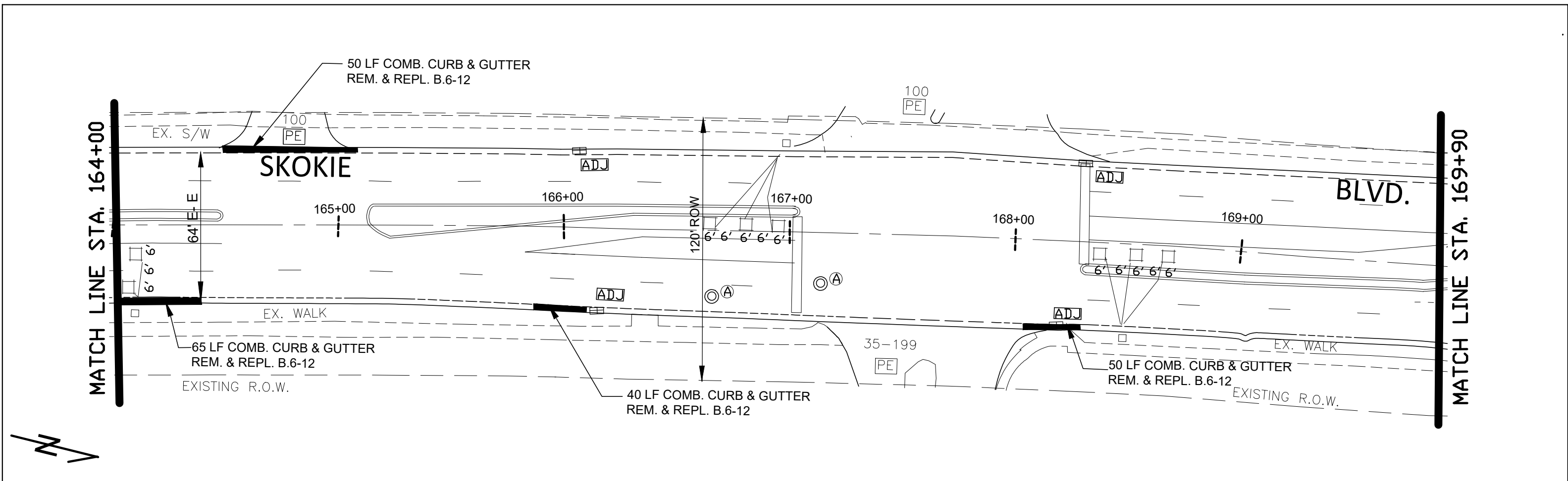
FILE NAME - IK/huff/mft/skokie	USER NAME - huff	DESIGNED - J. HUFF	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SKOKIE BOULEVARD RESURFACING EXISTING AND PROPOSED PLAN</b>			F.A.U. RTE. 2771	SECTION 21-00181-00-RS	COUNTY COOK	TOTAL SHEETS 37	SHEET NO. 13
PLOT SCALE 30.000/ in	CHECKED - A. BELADI	REVISED -	SCALE: 30					SHEET NO. 1 OF 36 SHEETS	STA. 82+00 TO STA. 173+30	FED. ROAD DIST. NO. 1 ILLINOIS		CONTRACT NO. 61M46
PLOT DATE - 10-15-25	DATE - 10-15-25	REVISED -				FED. AID PROJECT						



**LEGEND**

- ADJ** CATCH BASINS TO BE ADJUSTED
- A** ADJUST SPECIAL
- ⊙** TREE TRUNK PROTECTION AND TREE ROOT PRUNING

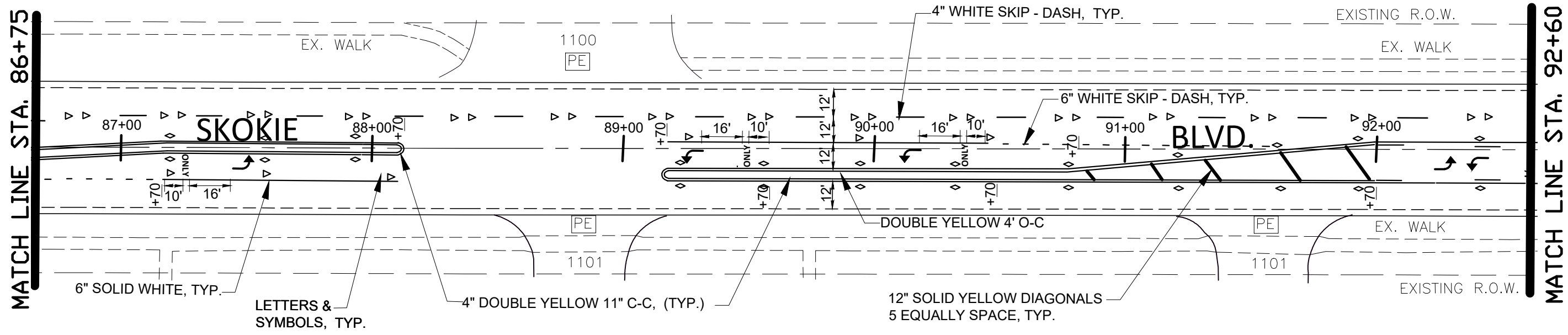
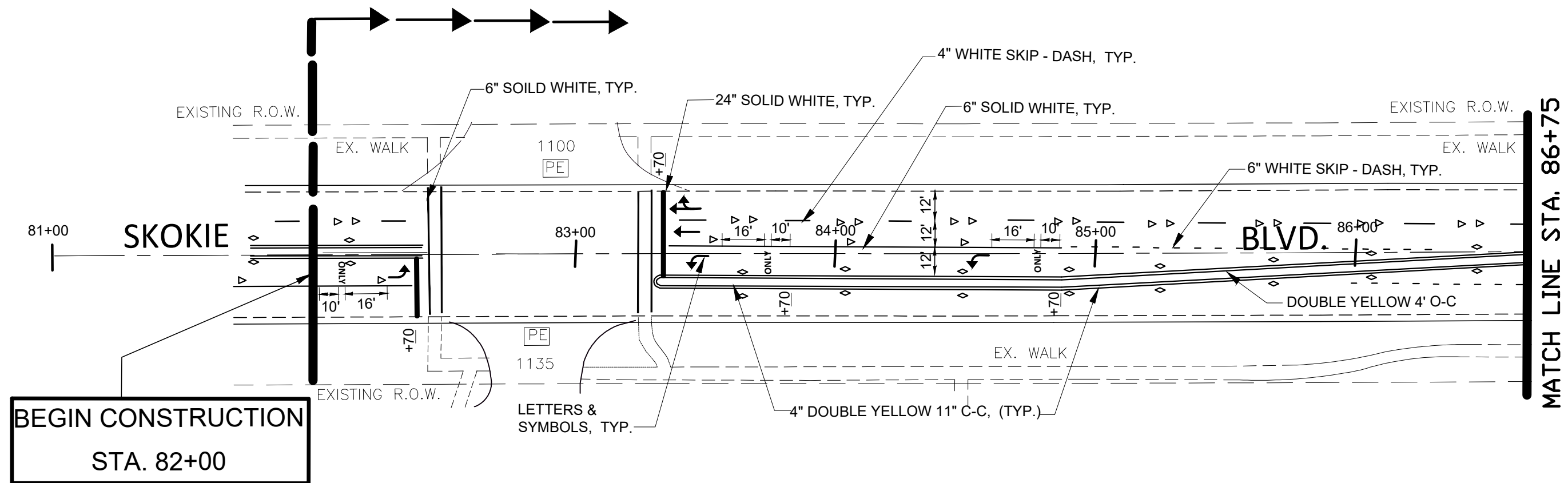
FILE NAME - K/huff/mft/skokie	USER NAME - huff	DESIGNED - J. HUFF	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SKOKIE BOULEVARD RESURFACING EXISTING AND PROPOSED PLAN</b>			F.A.U. RTE. 2771	SECTION 21-00181-00-RS	COUNTY COOK	TOTAL SHEETS 37	SHEET NO. 14
	PLOT SCALE 30.000/ in	CHECKED - M. WELLER	REVISED -					CONTRACT NO. 61M46				
	PLOT DATE - 11-09-25	DATE - 09-10-25	REVISED -		SCALE: 30	SHEET NO. 1 OF 34 SHEETS	STA. 82+00 TO STA. 173+30	FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		



**LEGEND**  
 [ADJ] CATCH BASINS TO BE ADJUSTED  
 [A] ADJUST SPECIAL

MILL EXISTING HMA SURFACE 3" AND REPLACE IT WITH 2" OF HMA SURFACE COURSE, IL-9.5, MIX "D", N70 AND 1" POLYMERIZED HOT MIX ASPHALT BINDER COURSE IL-4.75, N50 FROM STA. 177+66 TO 116+40

FILE NAME - iK/huff/mft/skokie	USER NAME - huff	DESIGNED - J. HUFF	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SKOKIE BOULEVARD RESURFACING EXISTING AND PROPOSED PLAN</b>			F.A.U. RTE. 2771	SECTION 21-00181-00-RS	COUNTY COOK	TOTAL SHEETS 37	SHEET NO. 15
	PLOT SCALE 30.000/ in	CHECKED - M. WELLER	REVISED -					CONTRACT NO. 61M46				
	PLOT DATE - 11-10-25	DATE - 11-9-25	REVISED -		SCALE: 30	SHEET NO. 1 OF 36 SHEETS	STA. 82+00 TO STA. 173+30	FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		



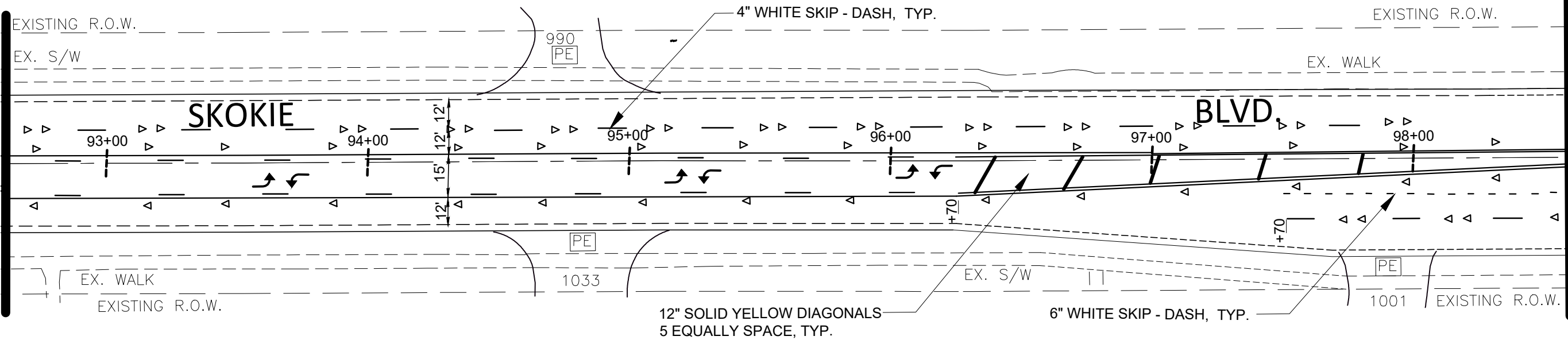
**NOTES:**

1. REFER TO DISTRICT 1 STANDARD DETAIL TC-11 FOR ADDITIONAL DETAILS REGARDING APPLICATIONS OF RAISED REFLECTIVE PAVEMENT MARKERS
2. REFER TO DISTRICT 1 STANDARD DETAIL TC-13 FOR ADDITIONAL DETAILS REGARDING APPLICATIONS OF RAISED REFLECTIVE PAVEMENT MARKERS
3. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC



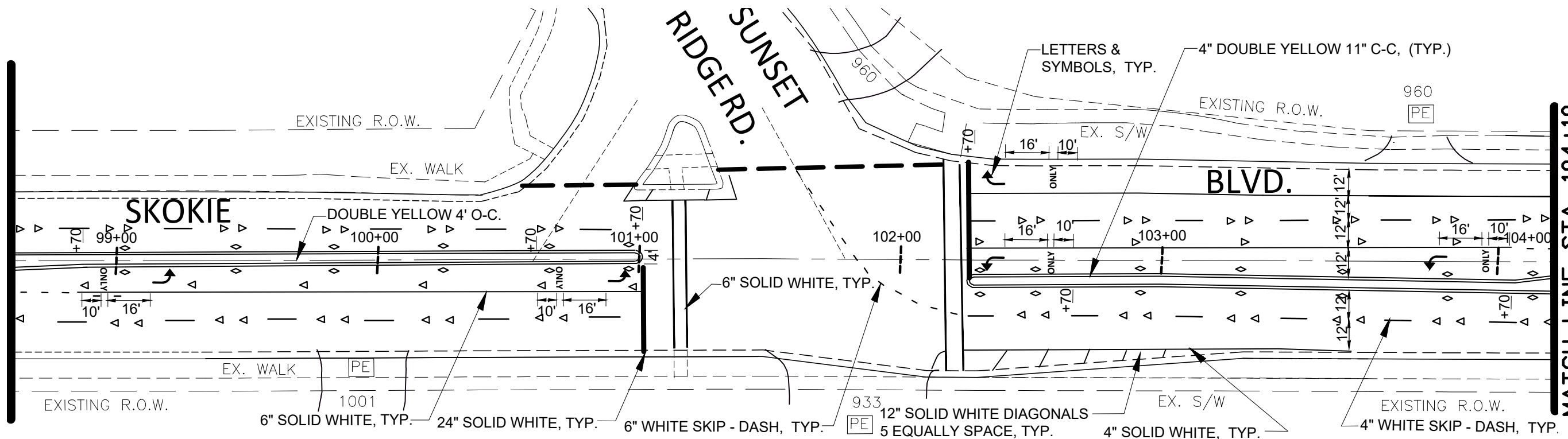
FILE NAME - iK/huff/mft/skokie	USER NAME - huff	DESIGNED - J. HUFF	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SKOKIE BOULEVARD RESURFACING PAVEMENT MARKING PLAN</b>			F.A.U. RTE. 2771	SECTION 21-00181-00-RS	COUNTY COOK	TOTAL SHEETS 37	SHEET NO. 16
	PLOT SCALE 30.000/ in	CHECKED - A. BELADI	REVISED -		SCALE: 30	SHEET NO. 1 OF 36 SHEETS	STA. 82+00 TO STA. 173+30	CONTRACT NO. 61M46				
	PLOT DATE - 10-20-25	DATE - 10-20-25	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS							
FED. AID PROJECT												

MATCH LINE STA. 109+84



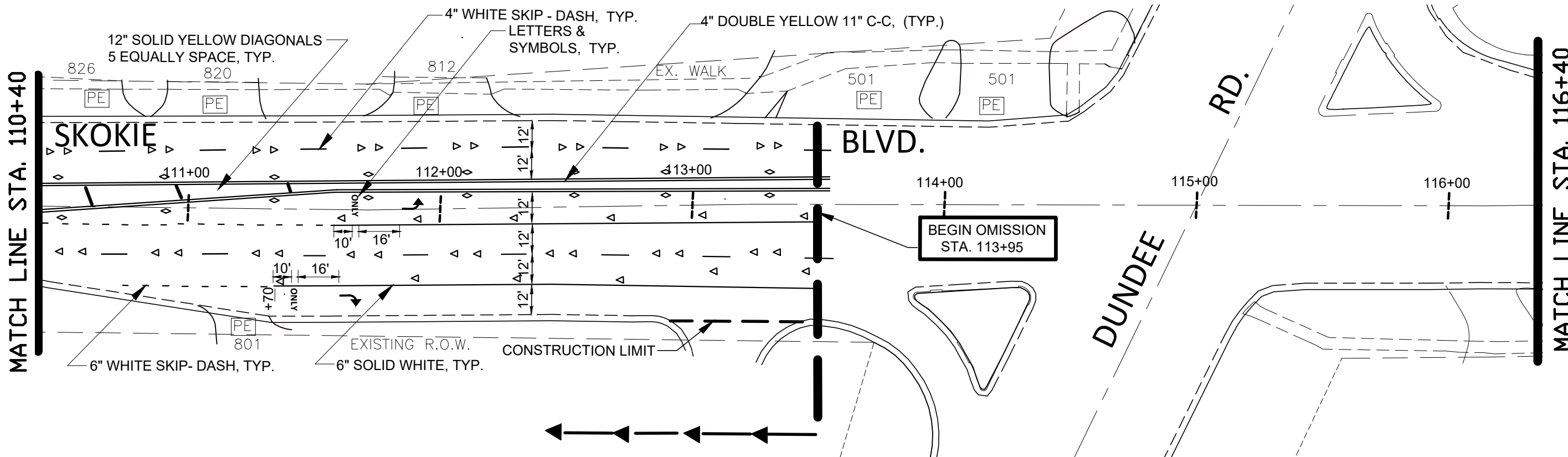
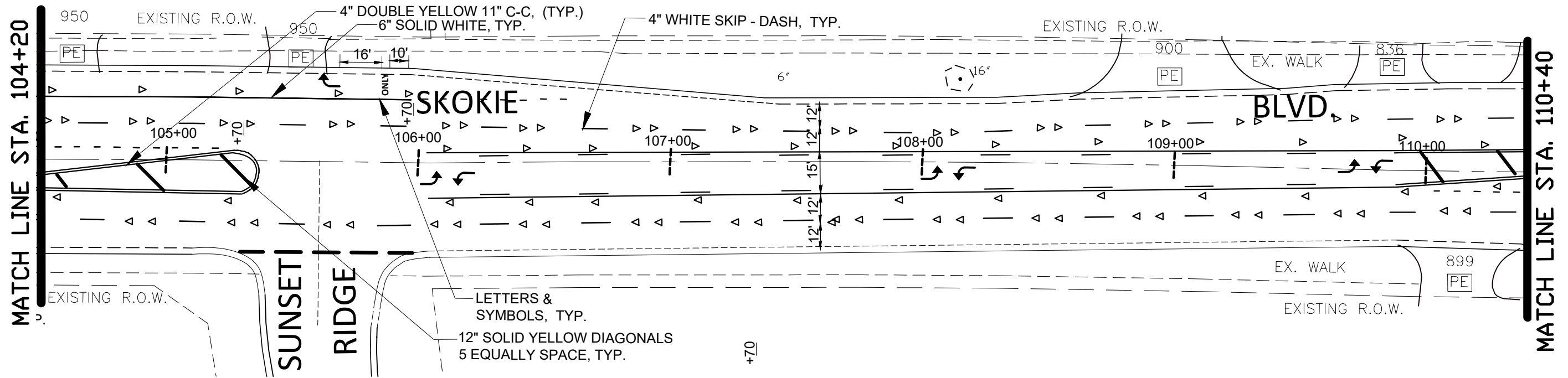
MATCH LINE STA. 98+30

MATCH LINE STA. 98+30

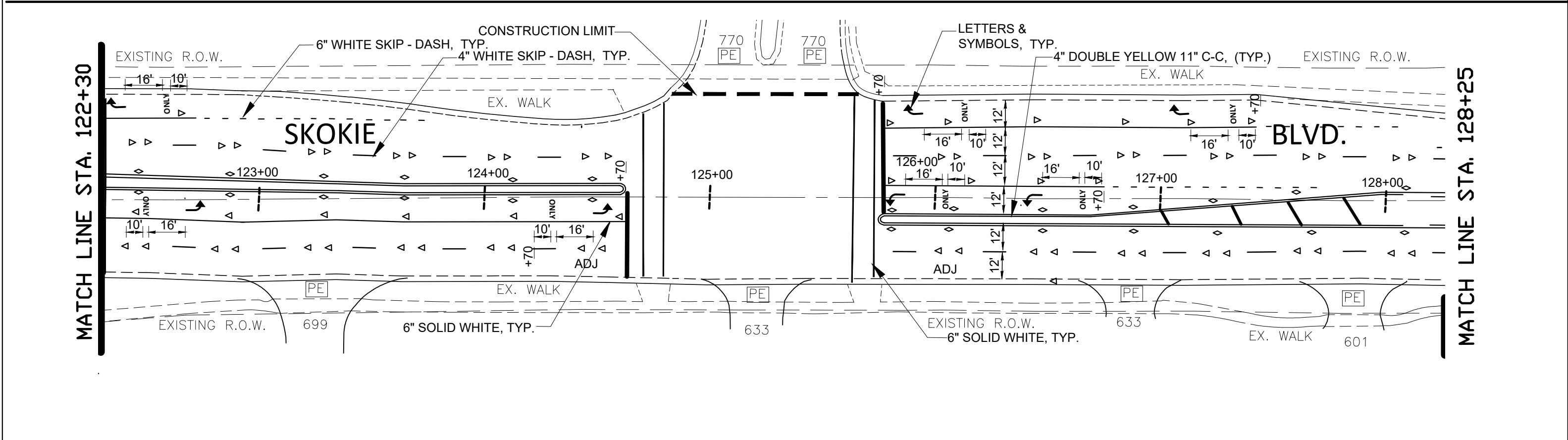
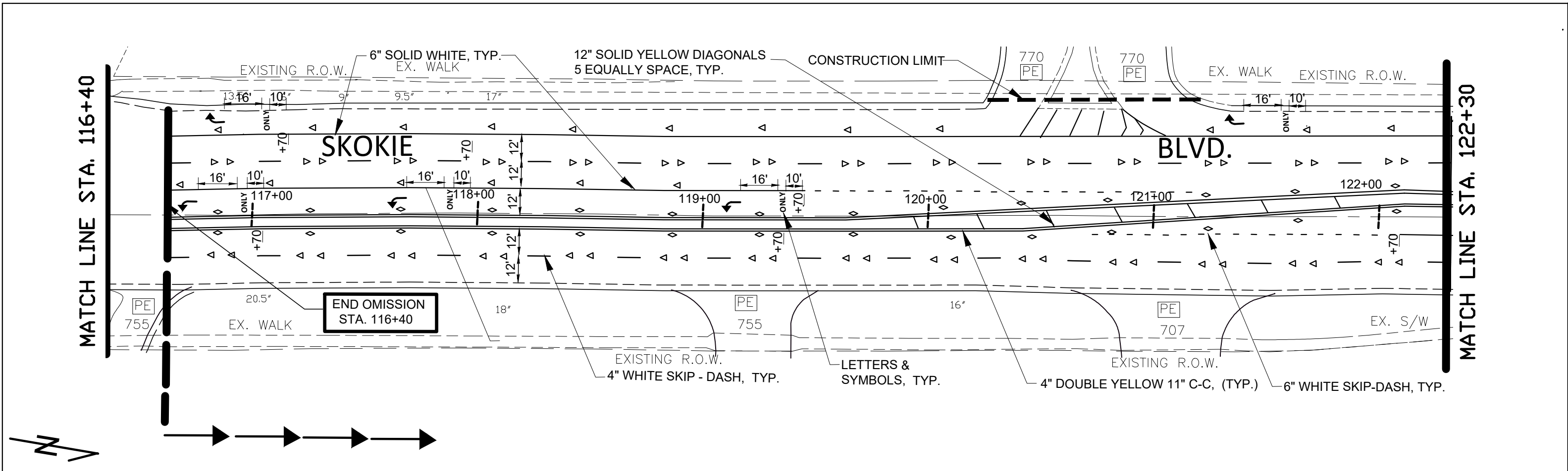


MATCH LINE STA. 104+10

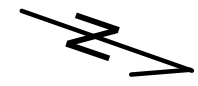
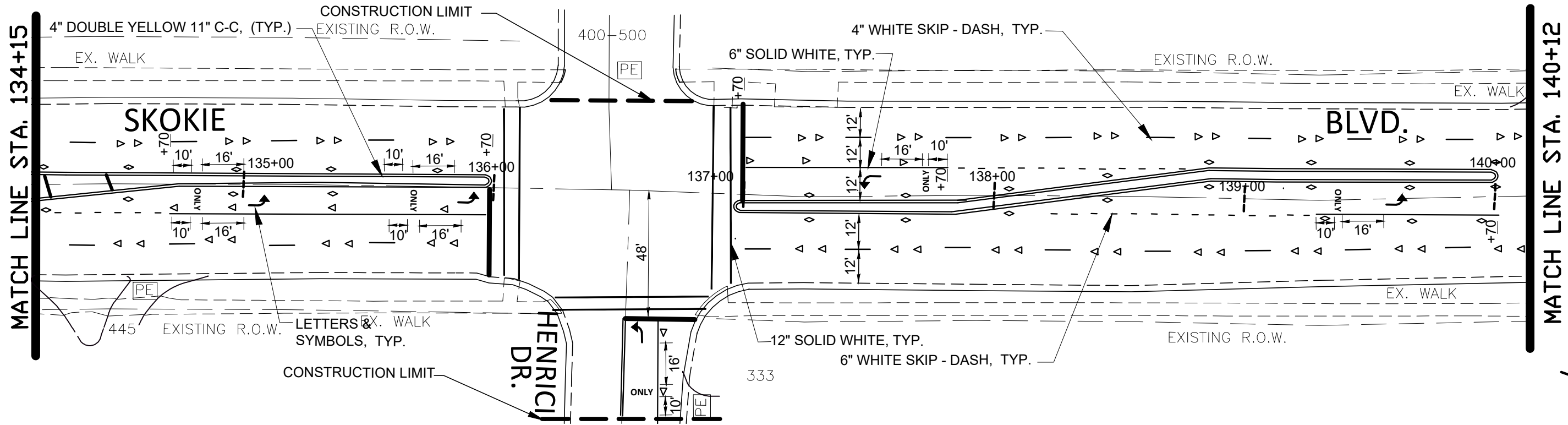
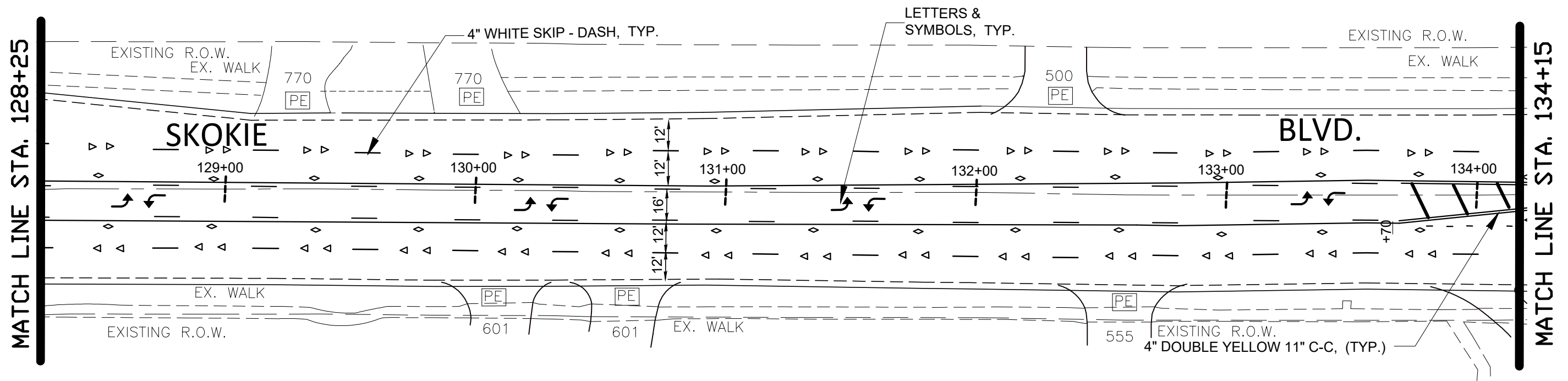
FILE NAME - K/huff/mft/skokie		REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SKOKIE BOULEVARD RESURFACING PAVEMENT MARKING PLAN</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE 30.000/ in	DRAWN - J. HUFF					REVISED -	2771	21-00181-00-RS	COOK	37	17
	PLOT DATE - 09-08-25	CHECKED - M. WELLER					REVISED -	SCALE: 30    SHEET NO. 1 OF 36 SHEETS    STA. 82+00 TO STA. 173+30			FED. ROAD DIST. NO. 1 ILLINOIS	
	DATE - 09-09-25	REVISED -										



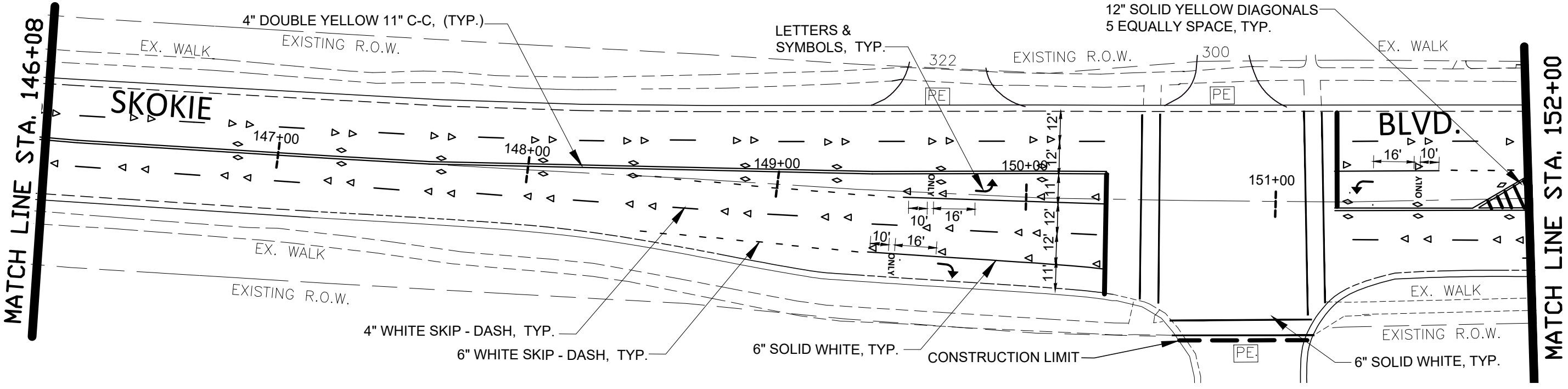
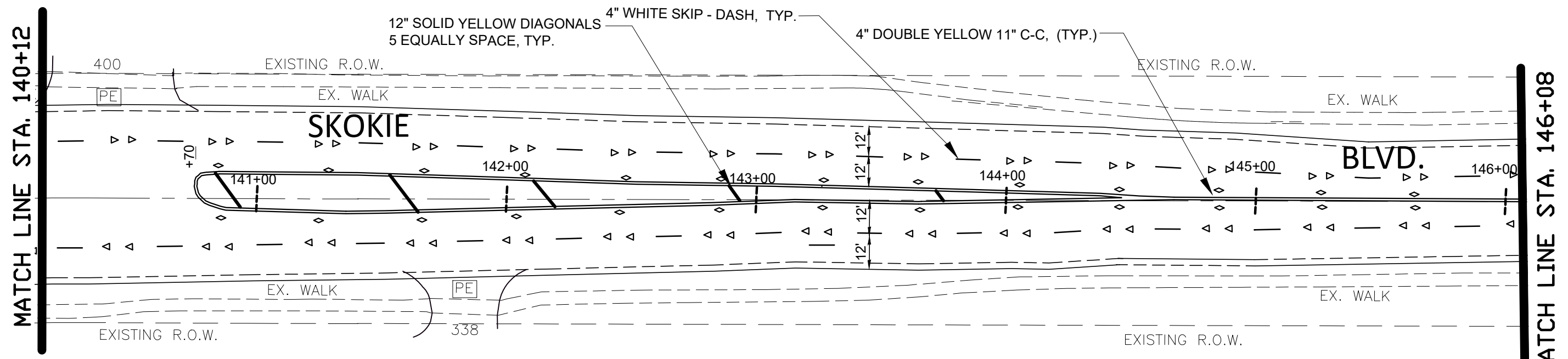
FILE NAME - ik/huff/mft/skokie	USER NAME - huff	DESIGNED - J. HUFF	REVISED -	<b>STATE OF ILLINOIS          DEPARTMENT OF TRANSPORTATION</b>	<b>SKOKIE BOULEVARD RESURFACING          PAVEMENT MARKING PLAN</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE 30.000/ in	DRAWN - J. HUFF	REVISED -					2771	21-00181-00-RS	COOK	37	18
	PLOT DATE - 11-05-25	CHECKED - M. WELLER	REVISED -		SCALE: 30    SHEET NO. 1 OF 36 SHEETS    STA. 82+00 TO STA. 173+30			FED. ROAD DIST. NO. 1 ILLINOIS		CONTRACT NO. 61M46		
	DATE - 09-09-25	REVISOR -	REVISED -		FED. AID PROJECT							



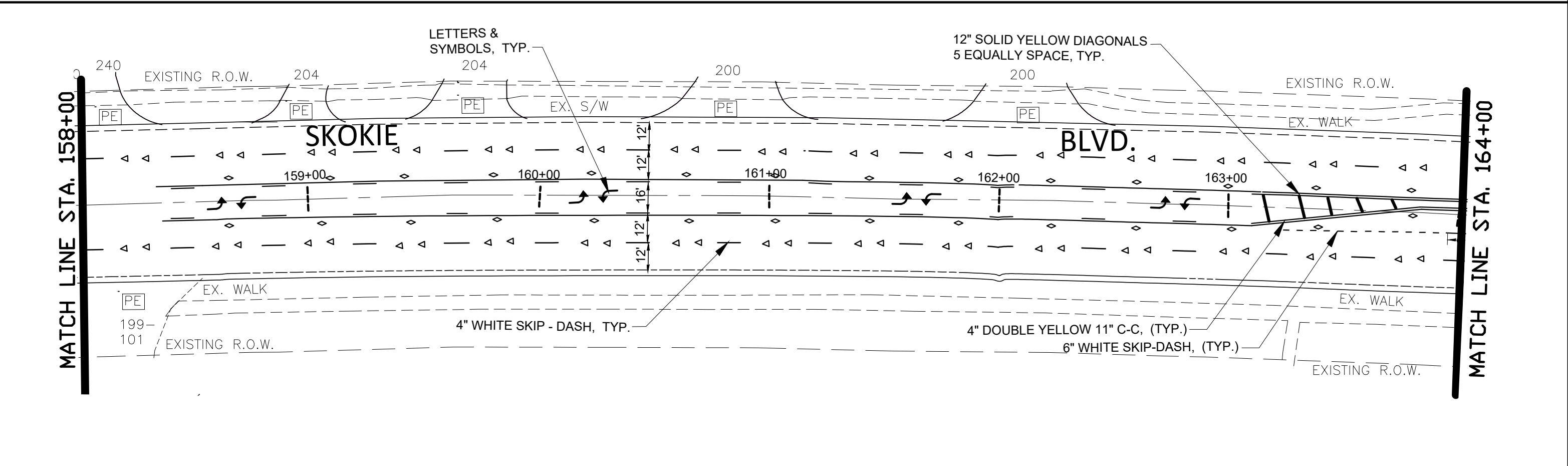
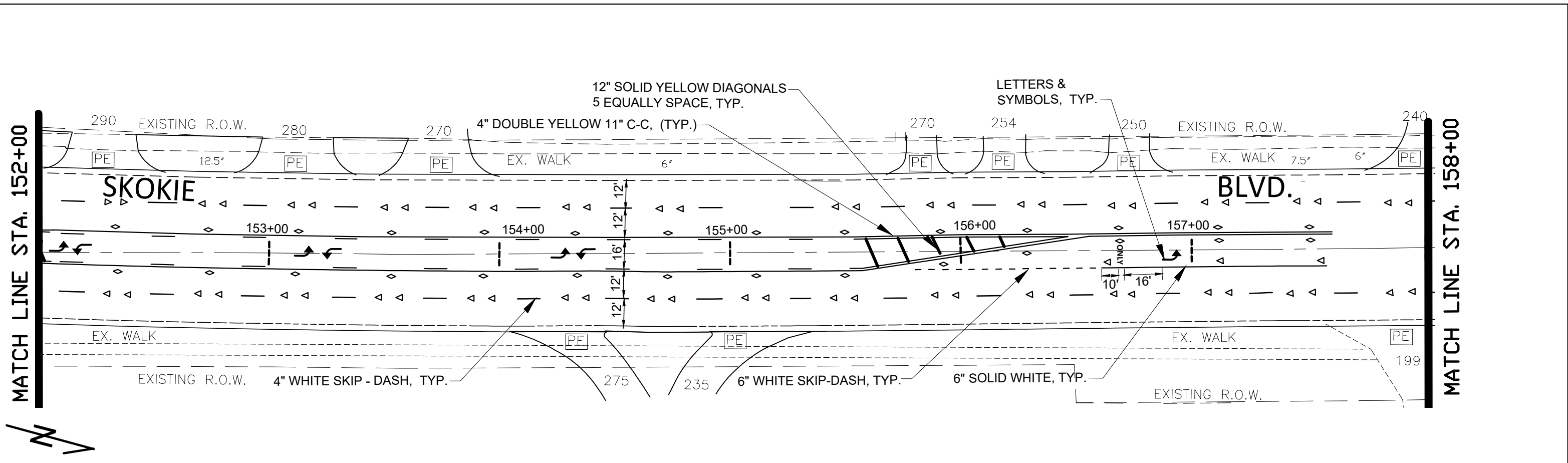
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	PLOT SCALE 30.000/ in	CHECKED - M. WELLER	REVISED -					SCALE: 30    SHEET NO. 1 OF 36 SHEETS    STA. 82+00 TO STA. 173+30			CONTRACT NO. 61M46	
	PLOT DATE - 11-03-25	DATE - 11-9-25	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT				



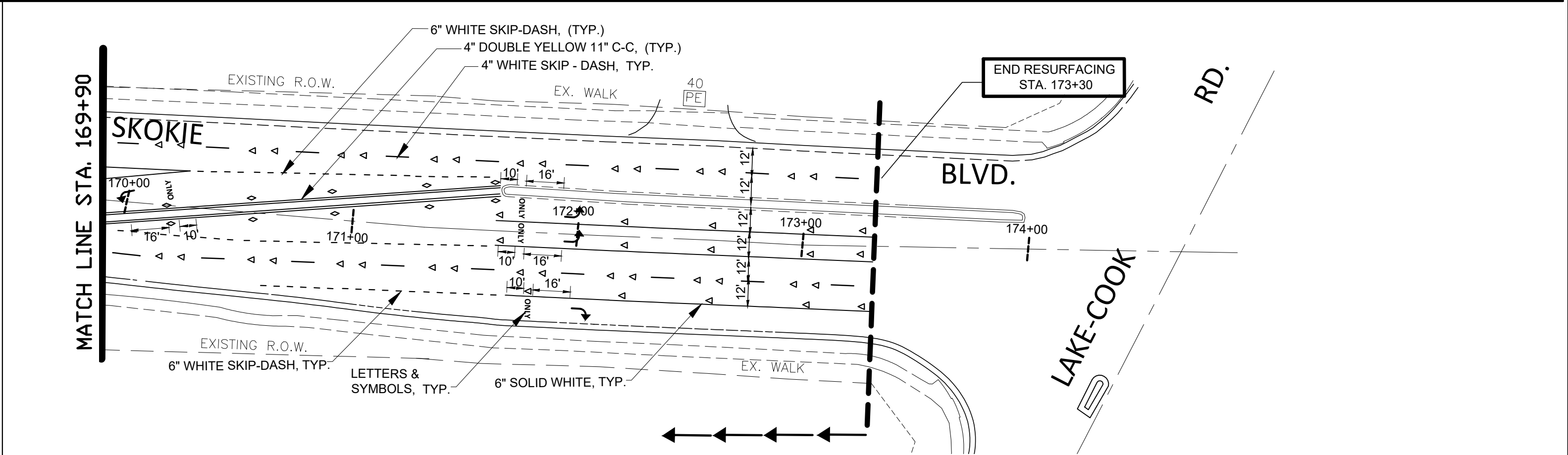
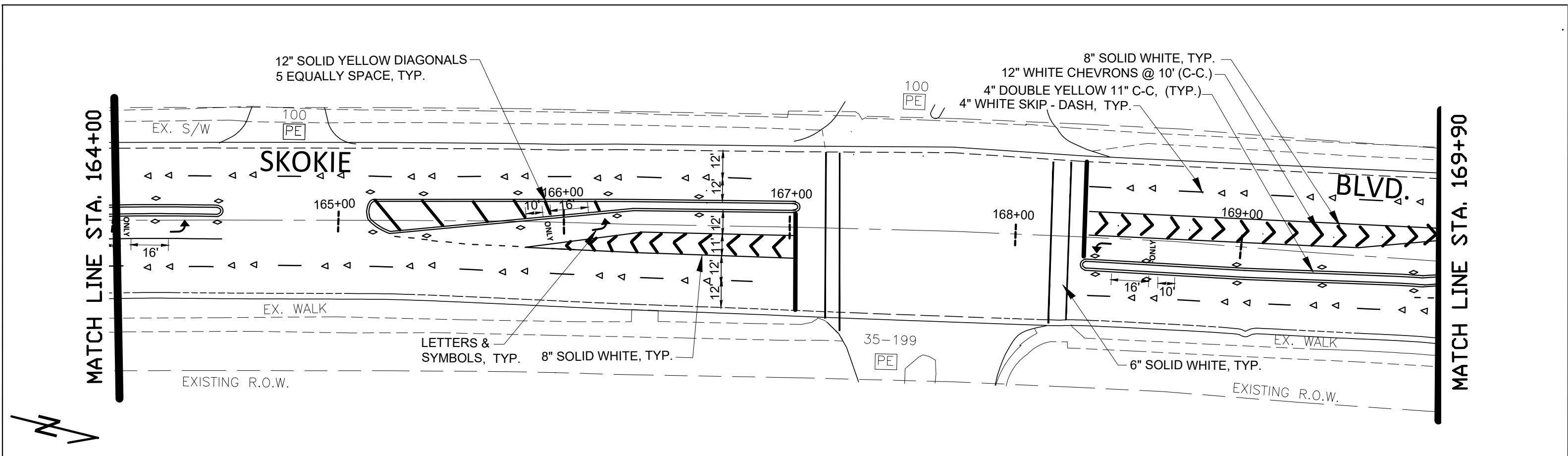
FILE NAME - K/huff/mft/skokie	USER NAME - huff	DESIGNED - J. HUFF	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SKOKIE BOULEVARD RESURFACING PAVEMENT MARKING PLAN</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE - 09-10-25	DATE - 09-10-25	REVISED -		SCALE: 30	SHEET NO. 1 OF 36 SHEETS	STA. 82+00 TO STA. 173+30	FED. ROAD DIST. NO. 1 ILLINOIS		CONTRACT NO. 61M46		FED. AID PROJECT



FILE NAME - K/huff/mft/skokie	USER NAME - huff	DESIGNED - J. HUFF	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SKOKIE BOULEVARD RESURFACING PAVEMENT MARKING PLAN</b>			F.A.U. RTE. 2771	SECTION 21-00181-00-RS	COUNTY COOK	TOTAL SHEETS 37	SHEET NO. 21
	PLOT SCALE 30.000/ in	CHECKED - M. WELLER	REVISED -					CONTRACT NO. 61M46				
	PLOT DATE - 11-09-25	DATE - 11-09-25	REVISED -		SCALE: 30	SHEET NO. 1 OF 36 SHEETS	STA. 82+00 TO STA. 173+30	FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		



FILE NAME - K/huff/mft/skokie	USER NAME - huff	DESIGNED - J. HUFF	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SKOKIE BOULEVARD RESURFACING PAVEMENT MARKING PLAN</b>			F.A.U. RTE. 2771	SECTION 21-00181-00-RS	COUNTY COOK	TOTAL SHEETS 37	SHEET NO. 22
	PLOT SCALE 30.000/ in	CHECKED - M. WELLER	REVISED -					CONTRACT NO. 61M46				
	PLOT DATE - 11-07-25	DATE - 11-10-25	REVISED -		SCALE: 30	SHEET NO. 1 OF 36 SHEETS	STA. 82+00 TO STA. 173+30	FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		



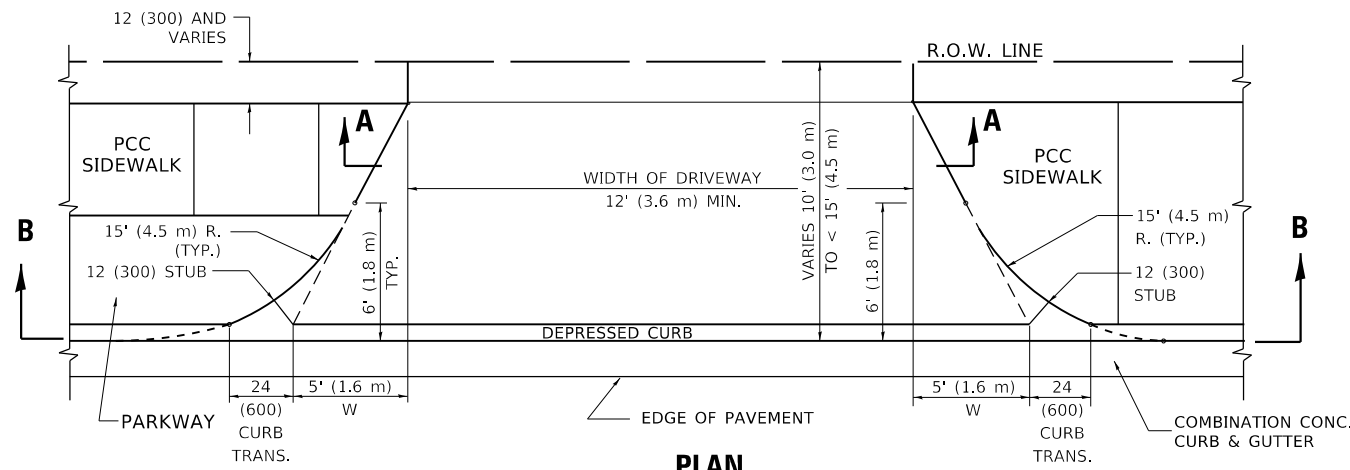
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	PLOT SCALE 30.000/ in	CHECKED - J. KOZA	REVISED -		SCALE: 30	SHEET NO. 1 OF 36 SHEETS	STA. 82+00 TO STA. 173+30	CONTRACT NO. 61M46				
	PLOT DATE - 3-25-21	DATE - 3-25-21	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

DETECTOR LOOP REPLACEMENT SCHEDULE OF QUANTITIES

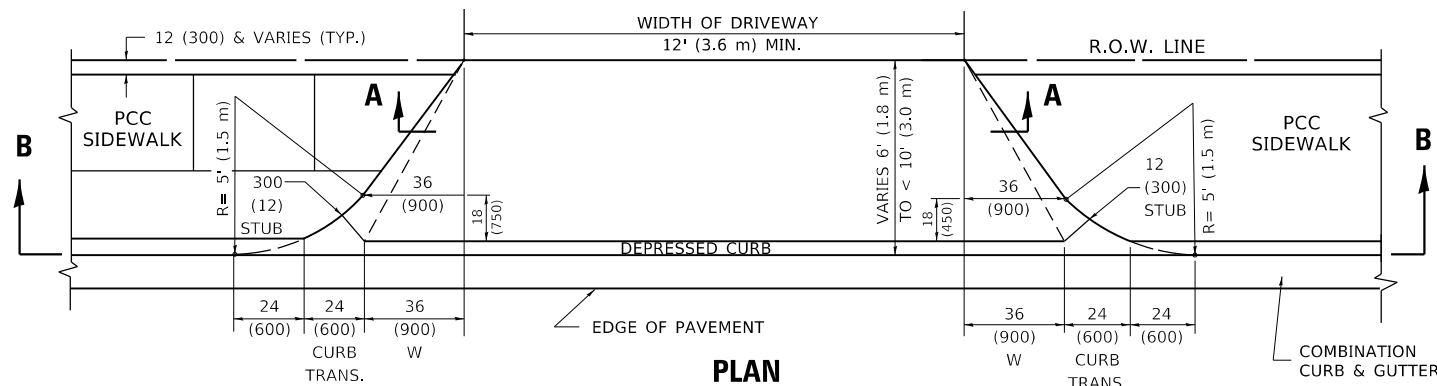
STATION	SIDE	# OF LOOPS	EST. LENGTH	STATION	SIDE	# OF LOOPS	EST. LENGTH
82+00	CL.	1	80'	105+60	LT.	2	80'
82+10	CL.	1	80'	109+90	RT.	2	80'
82+20	CL.	1	140'	120+00	RT.	2	80'
83+50	CL.	1	45'	121+50	LT.	2	80'
83+60	CL.	1	40'	124+30	CL.	1	45'
83+70	CL.	1	35'	124+40	CL.	1	45'
98+75	RT.	2	80'	124+40	CL.	1	50'
100+80	CL.	1	45'	125+90	CL.	1	45'
100+90	CL.	1	40'	126+00	CL.	1	50'
110+00	CL.	1	35'	126+10	CL.	1	35'
102+30	RT.	2	80'	128+10	LT.	2	80'
102+30	CL.	1	40'	133+52	RT.	2	80'
102+40	RT.	2	80'	135+94	CL.	1	50'
102+40	CL.	1	45'	136+09	CL.	1	35'
102+50	RT.	2	80'	TOTAL ESTIMATED. LENGTH 1845 FT.			
102+50	CL.	1	45'				

DETECTOR LOOP REPLACEMENT SCHEDULE OF QUANTITIES

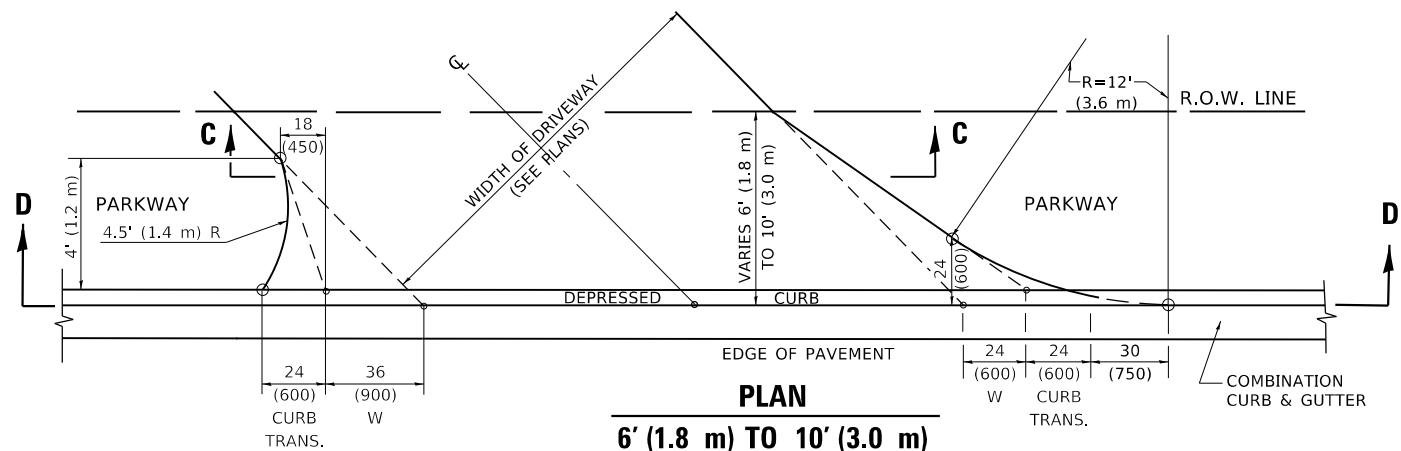
STATION	SIDE	# OF LOOPS	EST. LENGTH	STATION	SIDE	# OF LOOPS	EST. LENGTH
136+60	RT.	6	340'	166+80	CL.	1	60'
137+10	CL.	1	50'	168+30	CL.	1	45'
137+25	CL.	1	50'	168+40	CL.	1	45'
137+40	CL.	1	45'	168+50	CL.	1	55'
139+60	LT.	2	45'	168+30	CL.	1	45'
147+50	RT.	2	90'	179+30	CL.	1	60'
150+00	CL.	1	60'	170+40	LT.	1	60'
150+10	CL.	1	45'	TOTAL ESTIMATED. LENGTH 1,555 FT.			
150+20	CL.	1	45'				
151+40	CL.	1	45'				
151+50	CL.	1	50'				
151+60	CL.	1	55'				
153+40	LT.	2	80'				
164+10	RT.	2	90'				
166+60	CL.	1	45'				
166+70	CL.	1	50'				



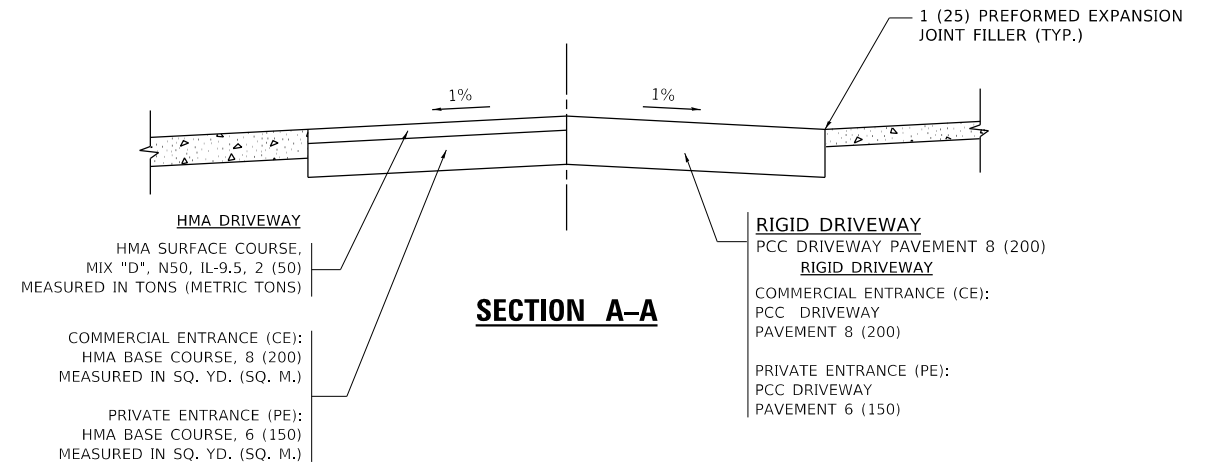
**PLAN**  
10' (3.0 m) TO < 15' (4.5 m)



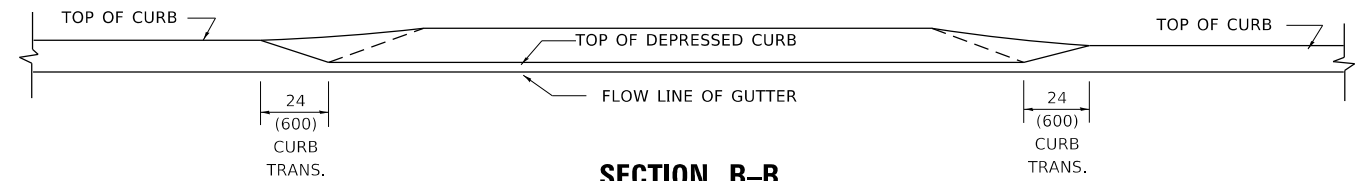
**PLAN**  
6' (1.8 m) TO < 10' (3.0 m)



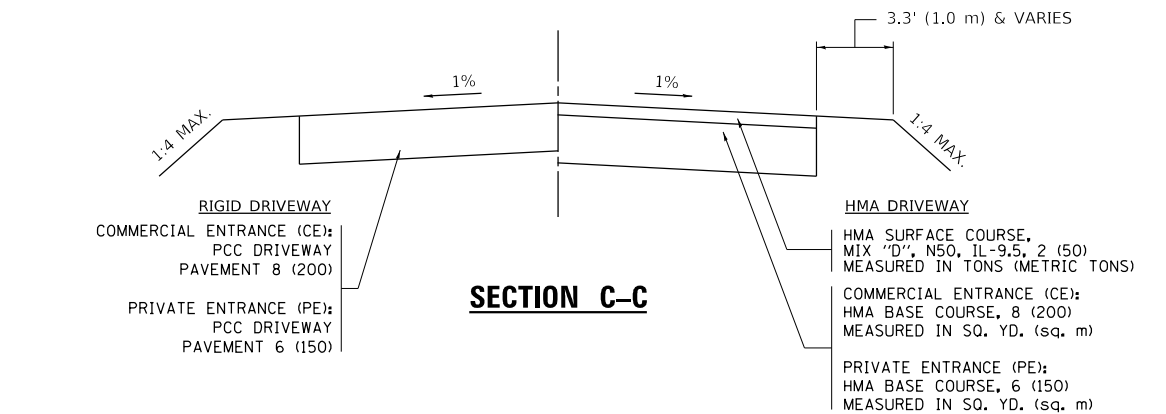
**PLAN**  
6' (1.8 m) TO 10' (3.0 m)



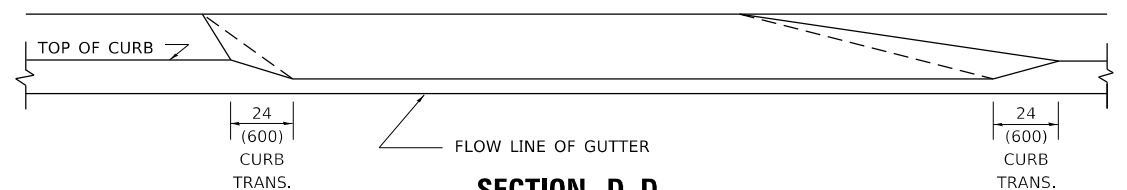
**SECTION A-A**



**SECTION B-B**



**SECTION C-C**



**SECTION D-D**

**GENERAL NOTES**

- DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.
- WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE PCC SIDEWALK SHALL EXTEND TO THE BACK OF CURB.
- "W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS  
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5m)

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2771	21-00181-00-RS	COOK	37	25
BD400-02 (BD-02)			CONTRACT NO. 61M46	

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

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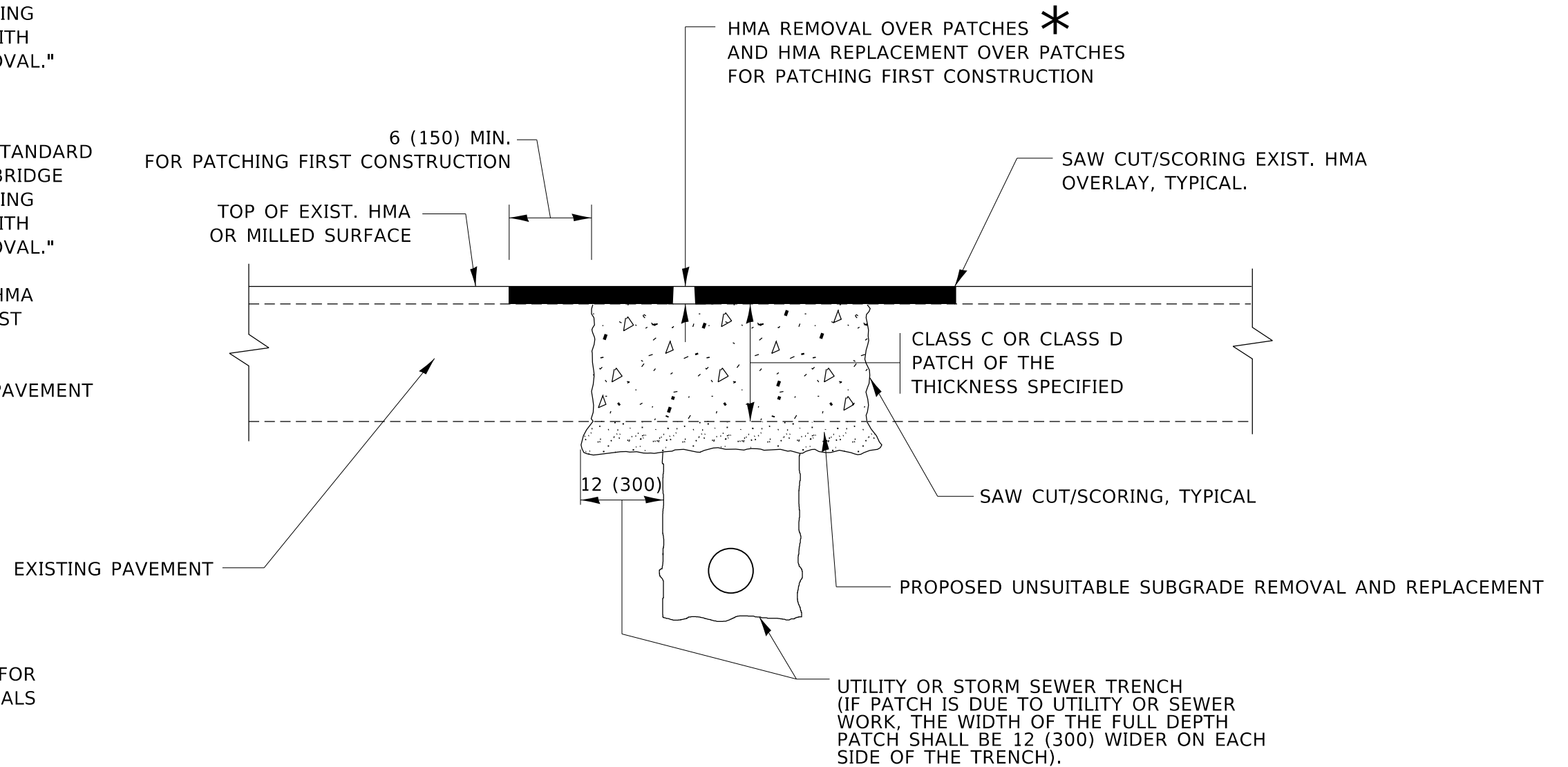


**METHOD OF MEASUREMENT**

REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."

**BASIS OF PAYMENT**

1. REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."
2. SAW CUT/SCORING OF EXISTING HMA OVERLAY IS INCLUDED IN THE COST OF PAVEMENT PATCHING.
3. SAW CUT/SCORING OF EXISTING PAVEMENT IS INCLUDED IN THE COST OF PAVEMENT PATCHING.



\* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

**SEQUENCE OF CONSTRUCTION (PATCHING FIRST)**

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

**SEQUENCE OF CONSTRUCTION (MILLING FIRST)**

1. MILL HMA FIRST IF THERE IS AT LEAST 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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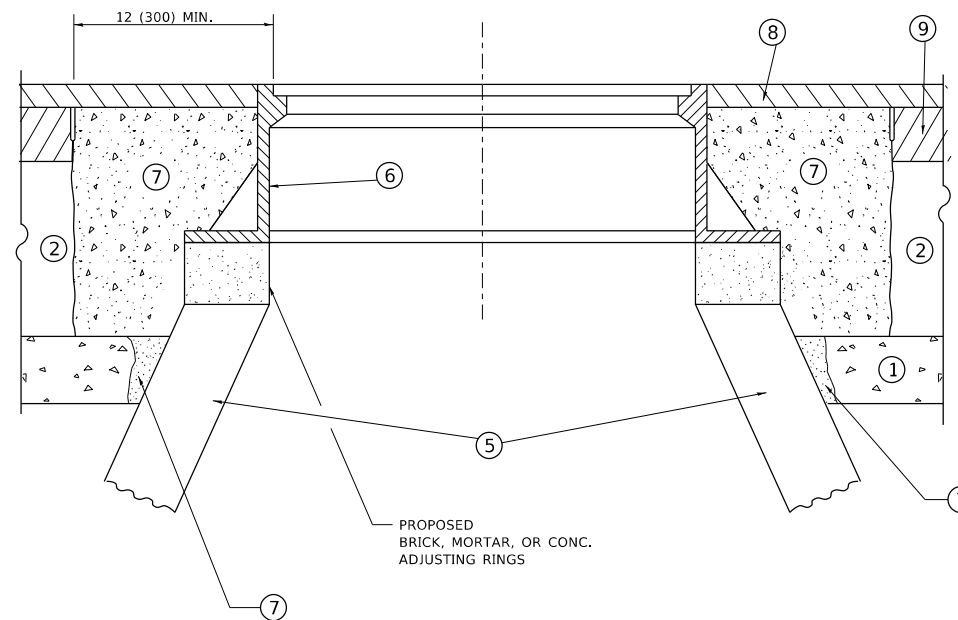
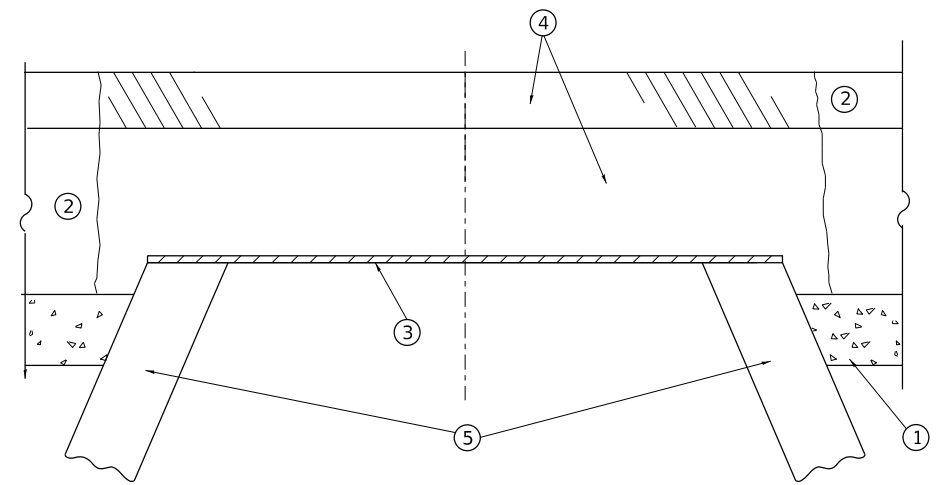
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	DRAWN -	REVISED - R. BORO 09-04-07
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - K. ENG 10-27-08
PLOT DATE = 11/18/2022	DATE - 10-25-94	REVISED - K. SMITH 11-18-22

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT PATCHING FOR  
HMA SURFACED PAVEMENT**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2771	21-00181-00-RS	COOK	37	27
BD400-04 (BD-22)			CONTRACT NO. 61M46	
ILLINOIS FED. AID PROJECT				



**DETAILS FOR FRAMES AND LIDS ADJUSTMENT  
WITH MILLING**

**NOTES**

1. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
2. IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.
3. CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
4. THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
5. THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES BY THE END OF EACH WORK SHIFT.

**CONSTRUCTION PROCEDURES**

**STAGE 1 (BEFORE PAVEMENT MILLING)**

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 3 (80) HMA TO REMAIN AFTER MILLING).

**STAGE 2 (AFTER PAVEMENT MILLING)**

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-2\* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

\* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

**LEGEND**

- |  |                               |
|--|-------------------------------|
| ① SUB-BASE GRANULAR MATERIAL                 | ⑥ FRAME AND LID (SEE NOTES)   |
| ② EXISTING PAVEMENT                          | ⑦ CLASS PP-2* CONCRETE        |
| ③ 36 (900) DIAMETER METAL PLATE              | ⑧ PROPOSED HMA SURFACE COURSE |
| ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX | ⑨ PROPOSED HMA BINDER COURSE  |
| ⑤ EXISTING STRUCTURE                         |                               |

**LOCATION OF STRUCTURES**

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

**BASIS OF PAYMENT**

1. REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."
2. THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.
3. NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.
4. WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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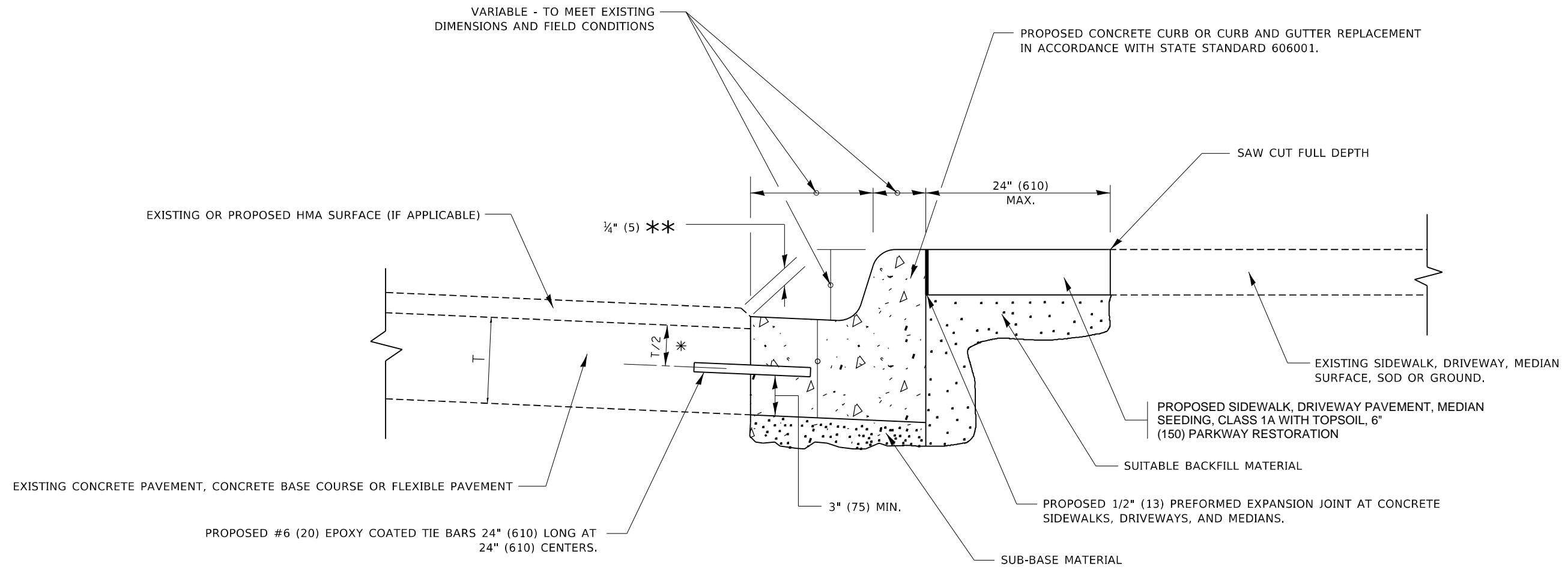
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	DRAWN -	REVISED - R. BORO 12-06-11
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - K. SMITH 11-18-22
PLOT DATE = 9/15/2023	DATE - 10-25-94	REVISED - K. SMITH 09-15-23

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR  
FRAMES AND LIDS ADJUSTMENT WITH MILLING**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2771	21-00181-00-RS	COOK	37	28
BD600-03 (BD-08)		CONTRACT NO.	61M46	
ILLINOIS FED. AID PROJECT				



- \* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- \*\* IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

# CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

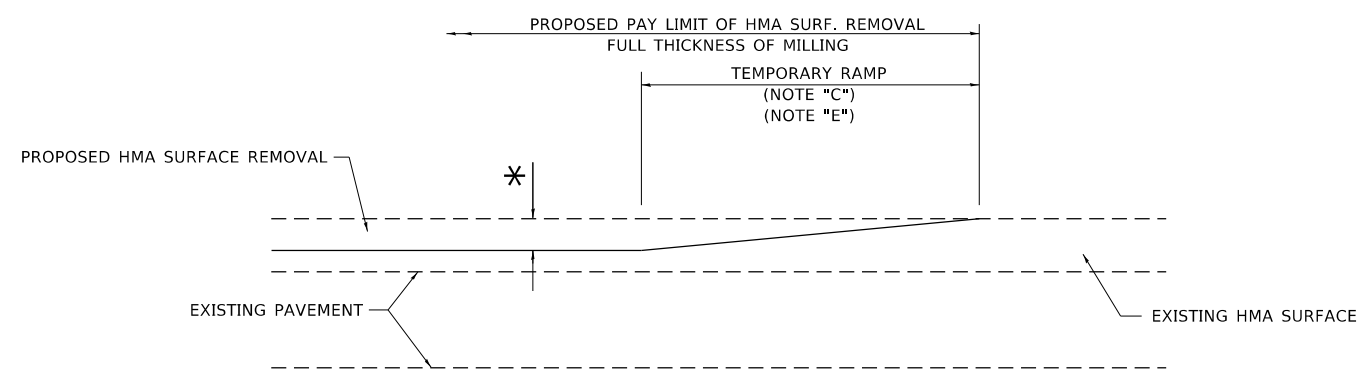
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	DRAWN -	REVISED - M. GOMEZ 01-22-01
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - R. BORO 12-15-09
PLOT DATE = 7/11/2019	DATE - 03-11-94	REVISED - K. SMITH 07-11-19

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

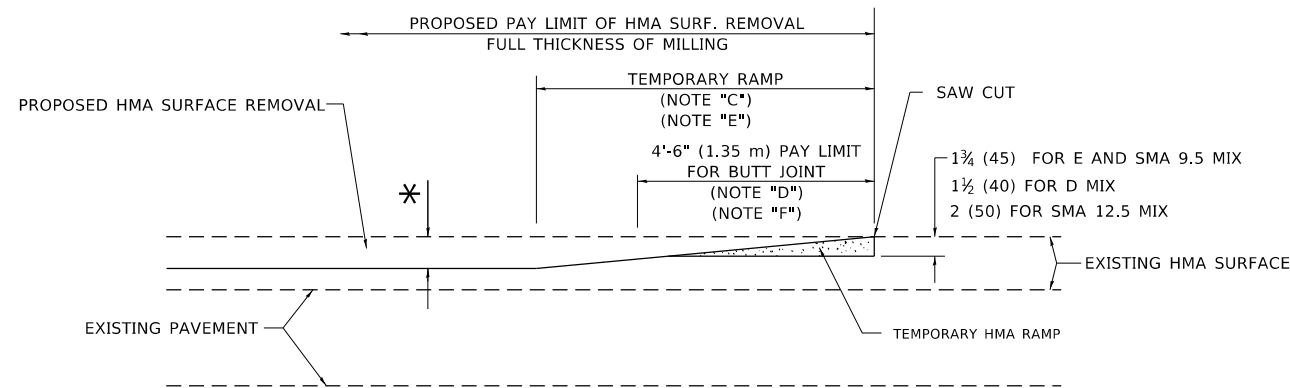
<b>CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT</b>			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2771	21-00181-00-RS	COOK	37	29
<b>BD600-06 (BD-24)</b>			CONTRACT NO. <b>61M46</b>	
ILLINOIS FED. AID PROJECT				



**MILLED TEMPORARY RAMP**  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

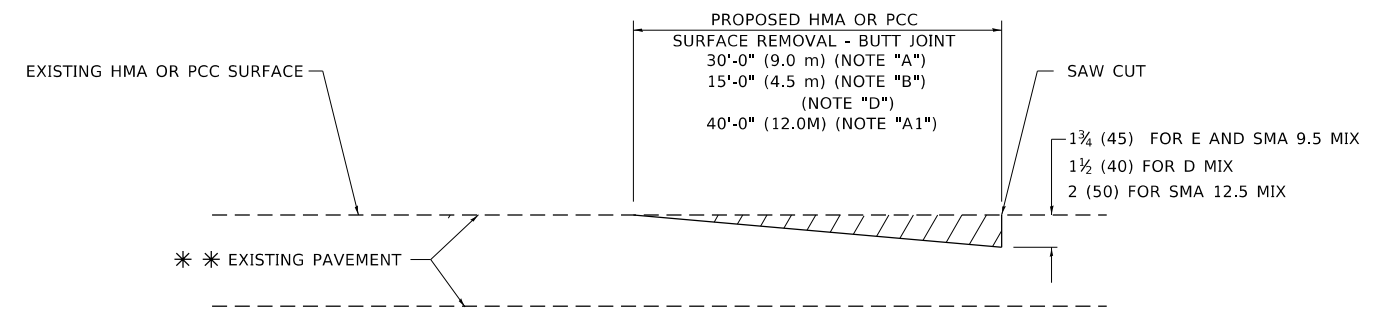
**OPTION 1**



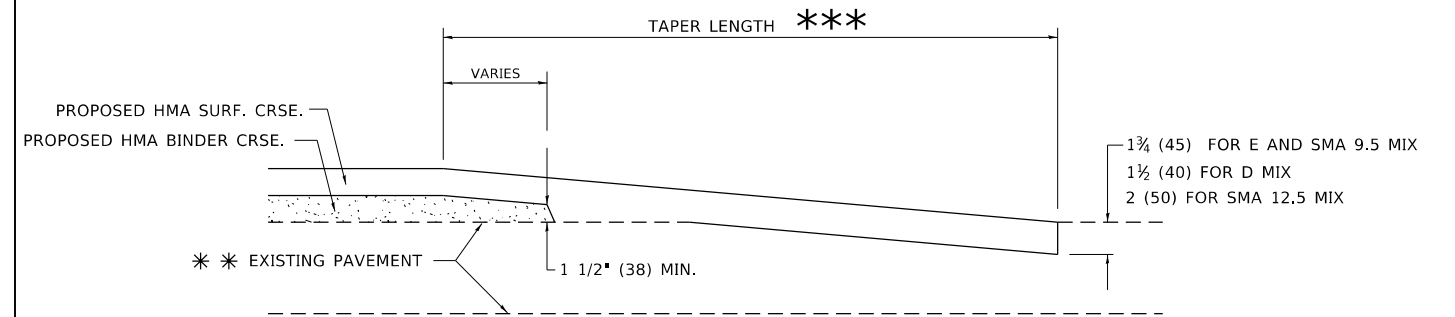
**HMA CONSTRUCTED TEMPORARY RAMP**  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 2**

**TYPICAL TEMPORARY RAMP**



**BUTT JOINT DETAIL**



**HMA TAPER DETAIL**

**TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY**

\*\*\* PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

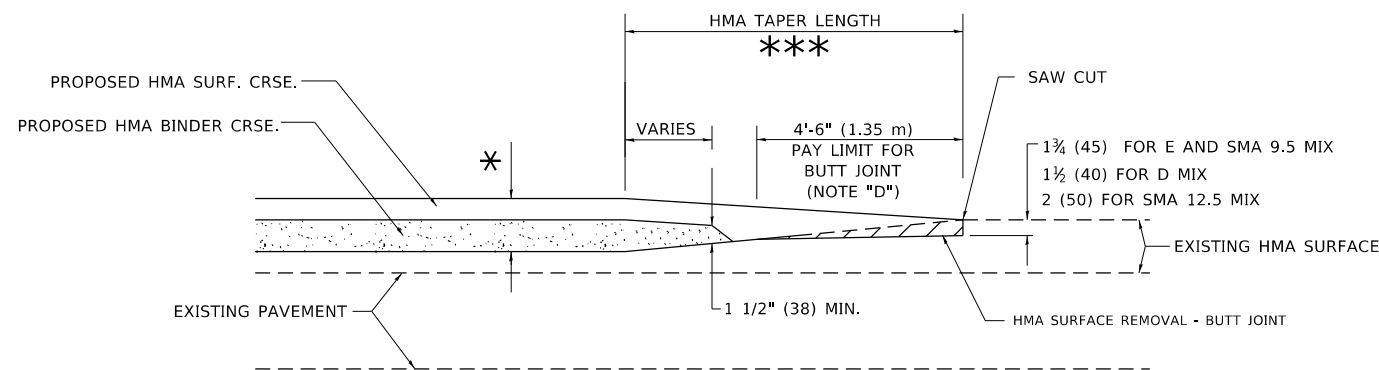
**GENERAL NOTES**

- A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- A1. INTERSTATES
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.  
\* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".  
\*\*\* 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")  
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

**BASIS OF PAYMENT**

1. THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".
2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.



**BUTT JOINT AND HMA TAPER**

**TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING**

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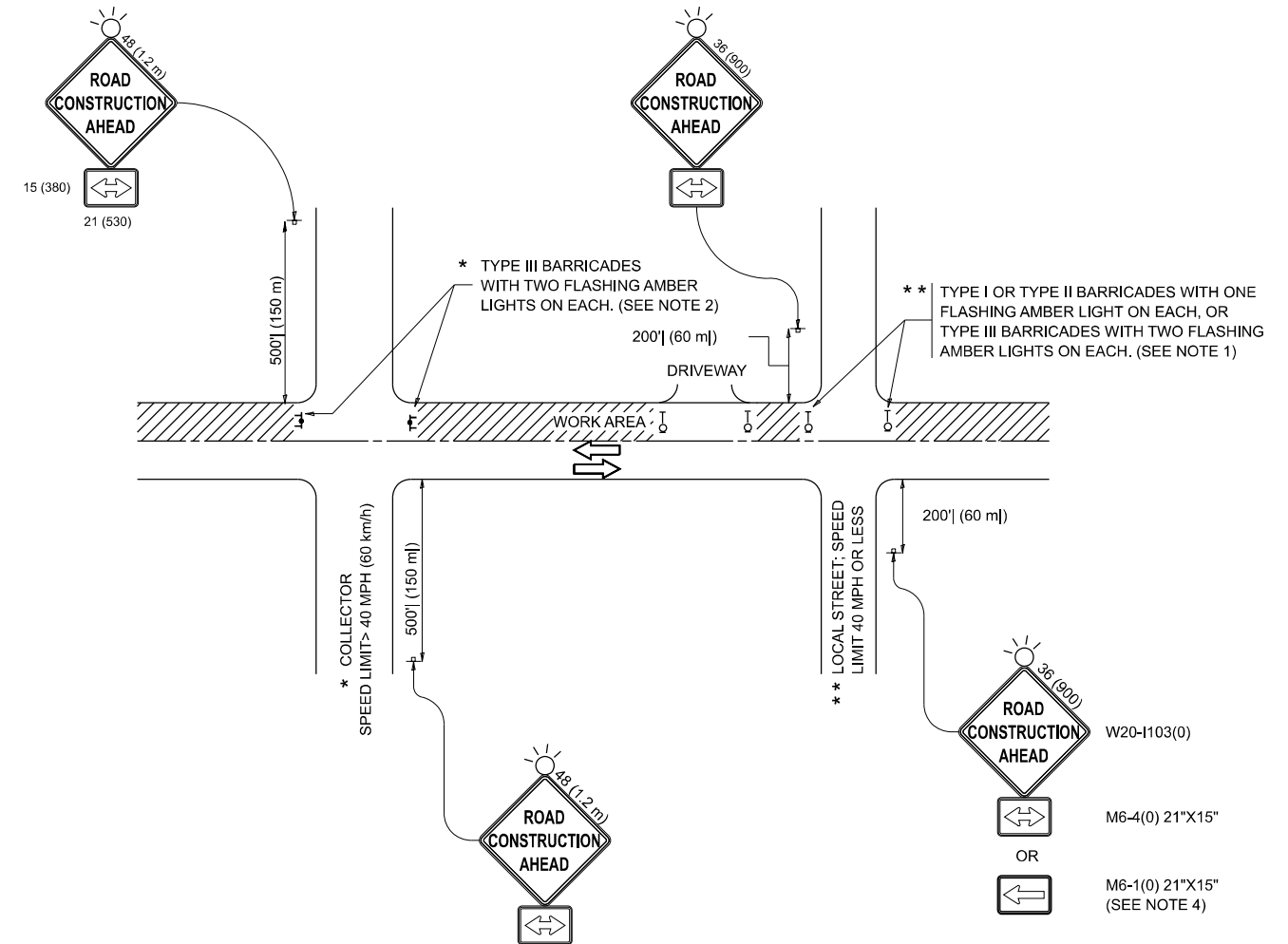
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	DRAWN -	REVISED - M. GOMEZ 04-06-01
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 01-01-07
PLOT DATE = 11/18/2022	DATE - 06-13-90	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND  
HMA TAPER DETAILS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2771	21-00181-00-RS	COOK	37	30
BD400-05 BD-32		CONTRACT NO.	61M46	
ILLINOIS FED. AID PROJECT				



**NOTES:**

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

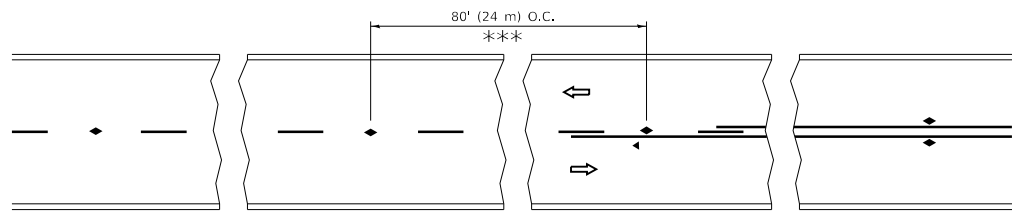
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION FOR  
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2771	21-00181-00-RS	COOK	37	31
<b>TC-10</b>			CONTRACT NO. <b>61M46</b>	
ILLINOIS FED. AID PROJECT				

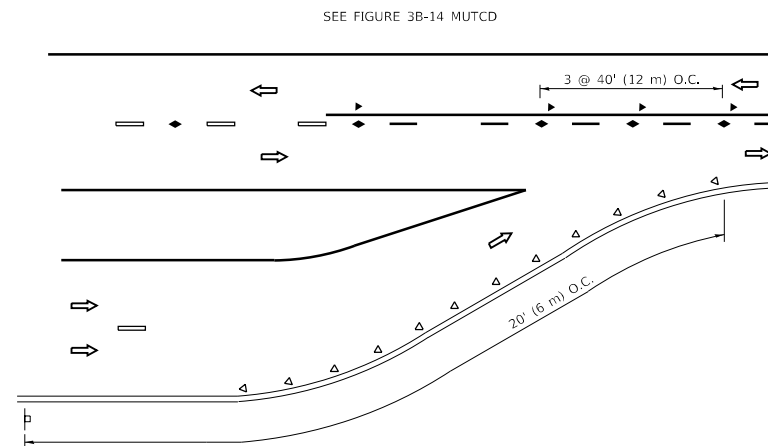
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USER NAME = lawrence.demanche	DESIGNED - L.H.A.	REVISED - T. RAMMACHER 01-06-00
	DRAWN -	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 0.08333317' / in.	CHECKED -	REVISED - A. SCHUETZE 09-15-06
PLOT DATE = 10/2/2025	DATE - 06-89	REVISED - D. SENDERAK 05-03-25

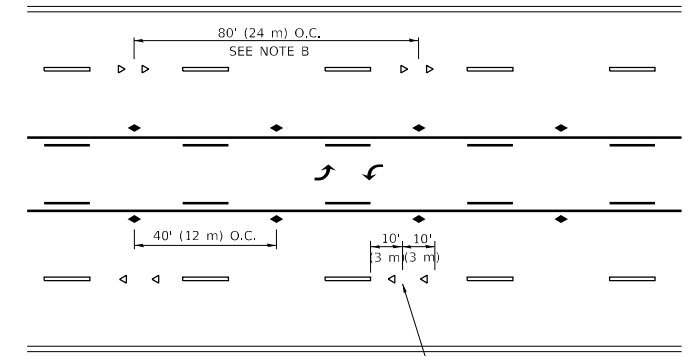


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

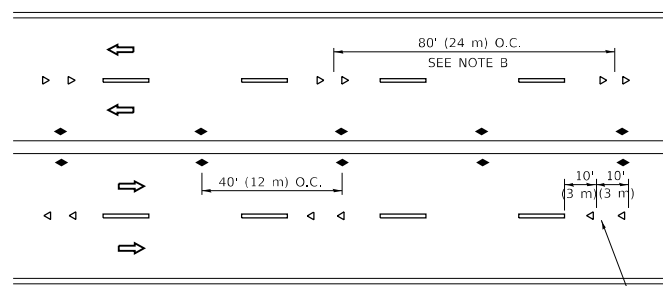
**TWO-LANE/TWO-WAY**



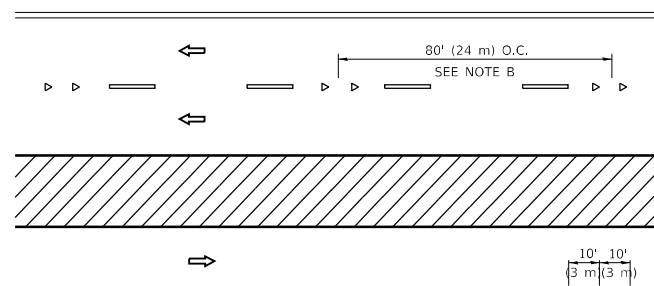
**LANE REDUCTION TRANSITION**



**TWO-WAY LEFT TURN**



**MULTI-LANE/UNDIVIDED**



**MULTI-LANE/DIVIDED**

**GENERAL NOTES**

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

**SYMBOLS**

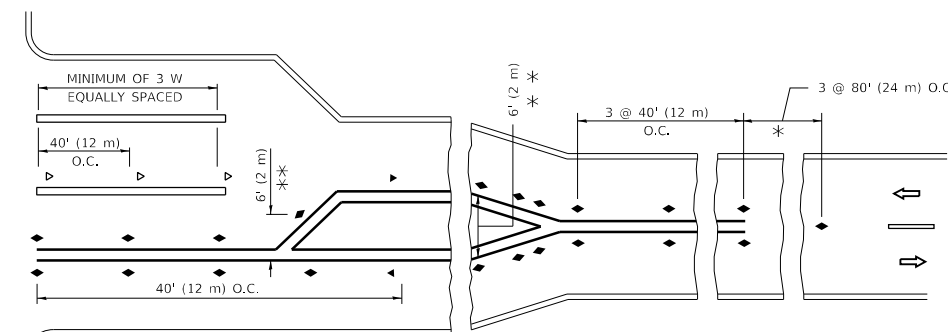
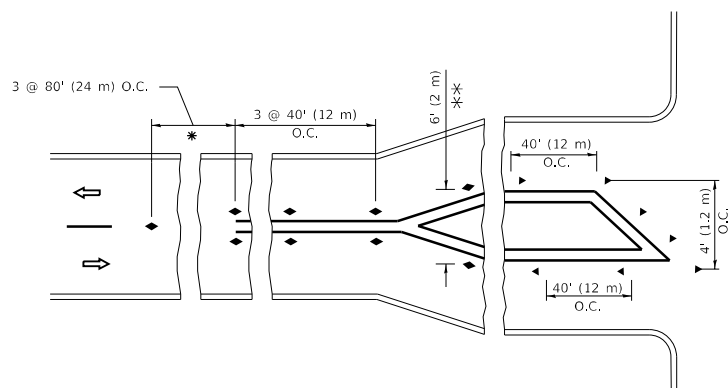
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

**LANE MARKER NOTES**

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

**DESIGN NOTES**

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



**TURN LANES**

\* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE  
 \*\*\* WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

All dimensions are in inches (millimeters) unless otherwise shown.

MODEL: D:\draft... FILE NAME: p:\u1108\EBID\NTEG... PROJECTS\DOT... OFFICES\DIRTCT... 11.dgn

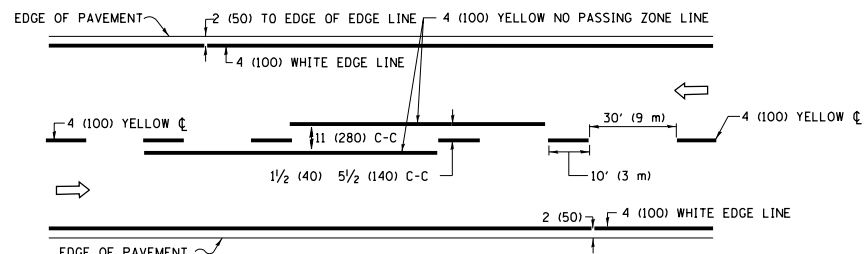
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PLOT DATE = 3/4/2019	CHECKED -	REVISED - C. JUCIUS 09-09-09
	DATE -	REVISED - C. JUCIUS 07-01-13

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

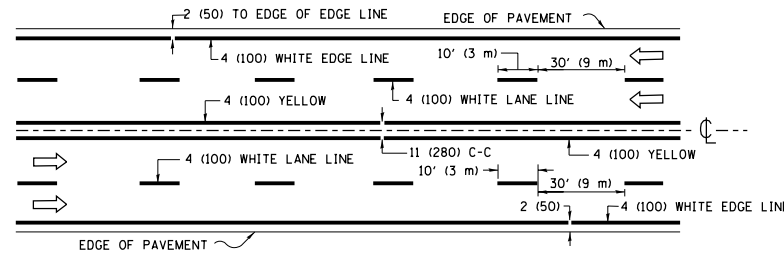
**TYPICAL APPLICATIONS  
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**

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

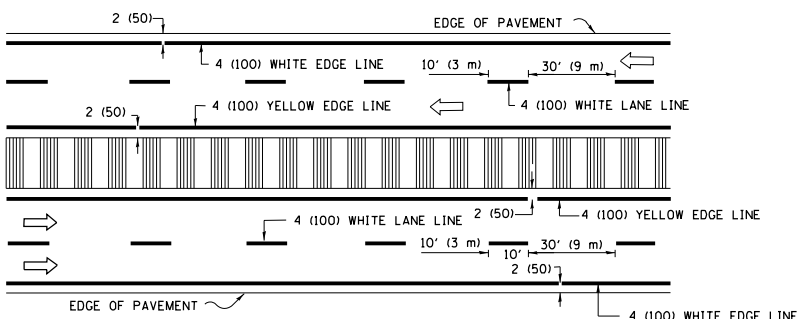
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2771	21-00181-00-RS	COOK	37	32
TC-11			CONTRACT NO. 61M46	
ILLINOIS		FED. AID PROJECT		



**2-LANE ROADWAY**

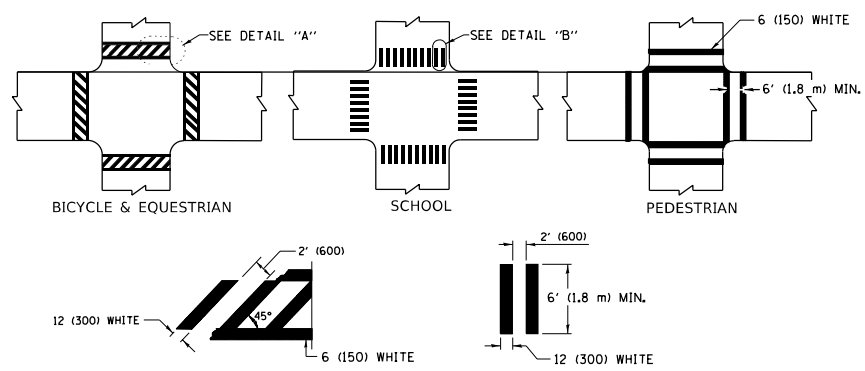


**MULTI-LANE UNDIVIDED**



**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

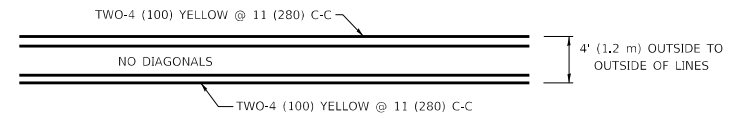


**DETAIL "A"**

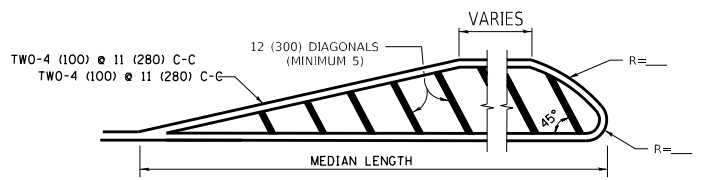
**DETAIL "B"**

**TYPICAL CROSSWALK MARKING**

\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES

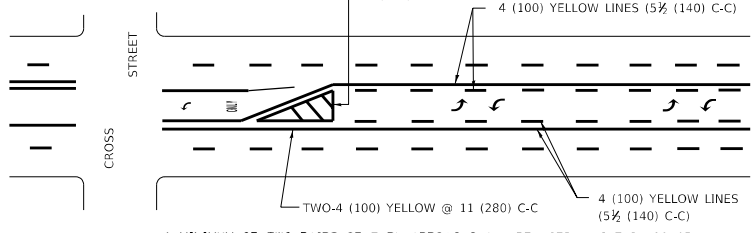


**4' (1.2 m) WIDE MEDIANS ONLY**



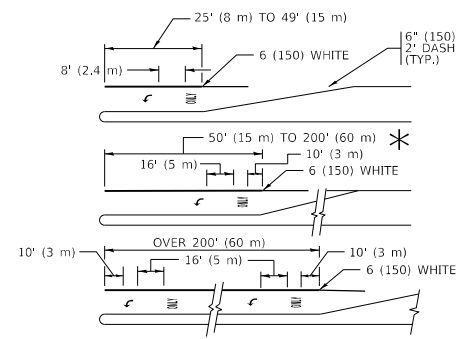
**MEDIANS OVER 4' (1.2 m) WIDE**

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))  
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)  
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))



**MEDIAN WITH TWO-WAY LEFT TURN LANE**

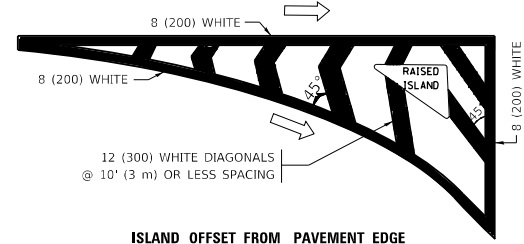
**TYPICAL PAINTED MEDIAN MARKING**



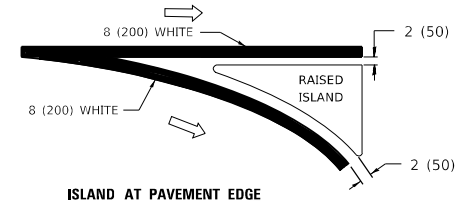
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)

**TYPICAL LEFT (OR RIGHT) TURN LANE**

**TYPICAL TURN LANE MARKING**

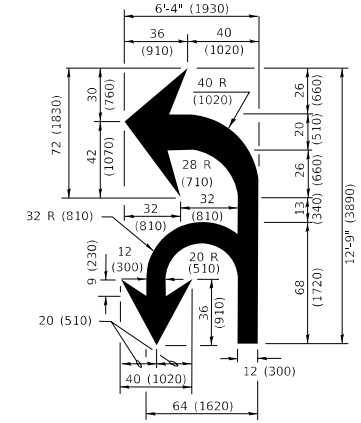


**ISLAND OFFSET FROM PAVEMENT EDGE**

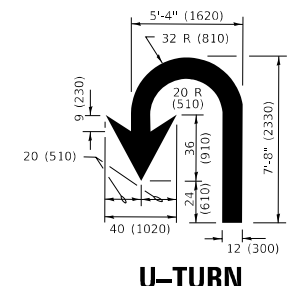


**ISLAND AT PAVEMENT EDGE**

**TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**U-TURN**

**LANE REDUCTION TRANSITION**

\* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: "RR" IS 6' (1.8 m) LETTERS: 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

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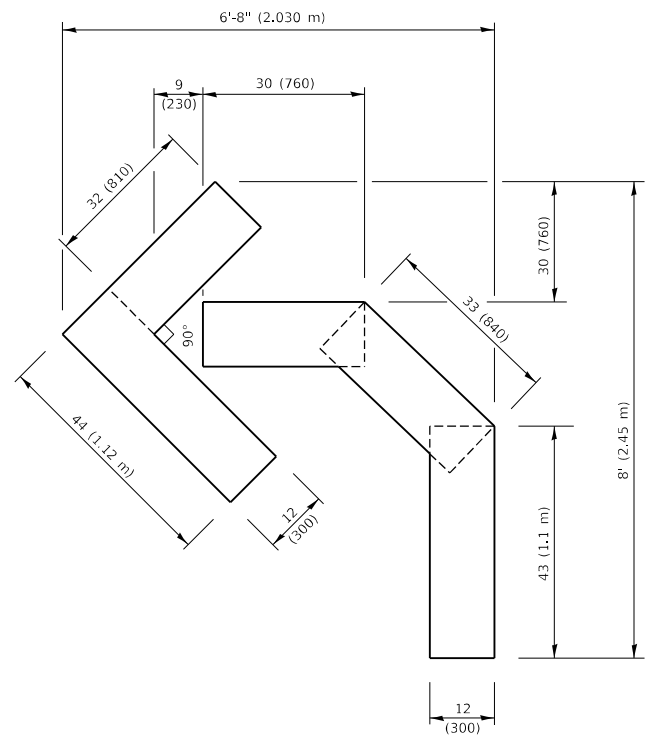
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PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

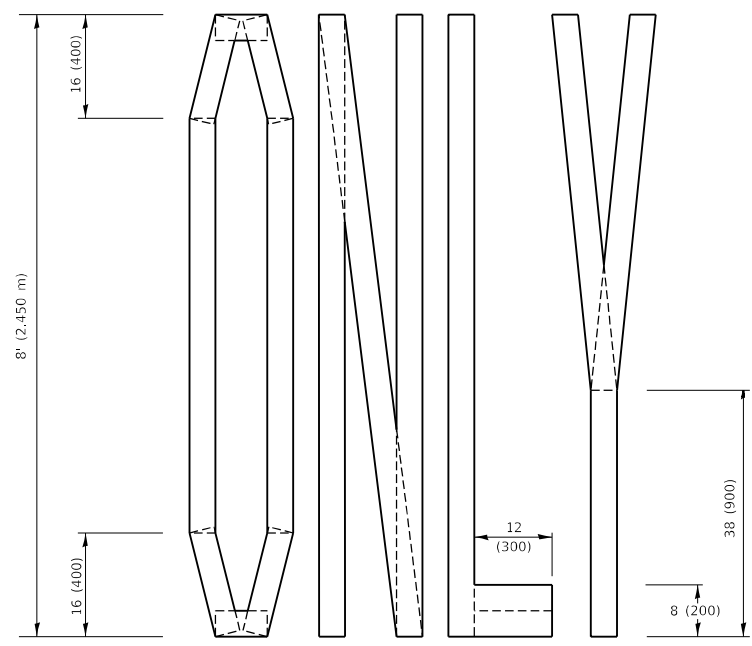
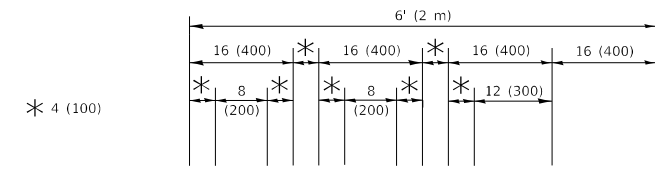
**DISTRICT ONE  
TYPICAL PAVEMENT MARKINGS**

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

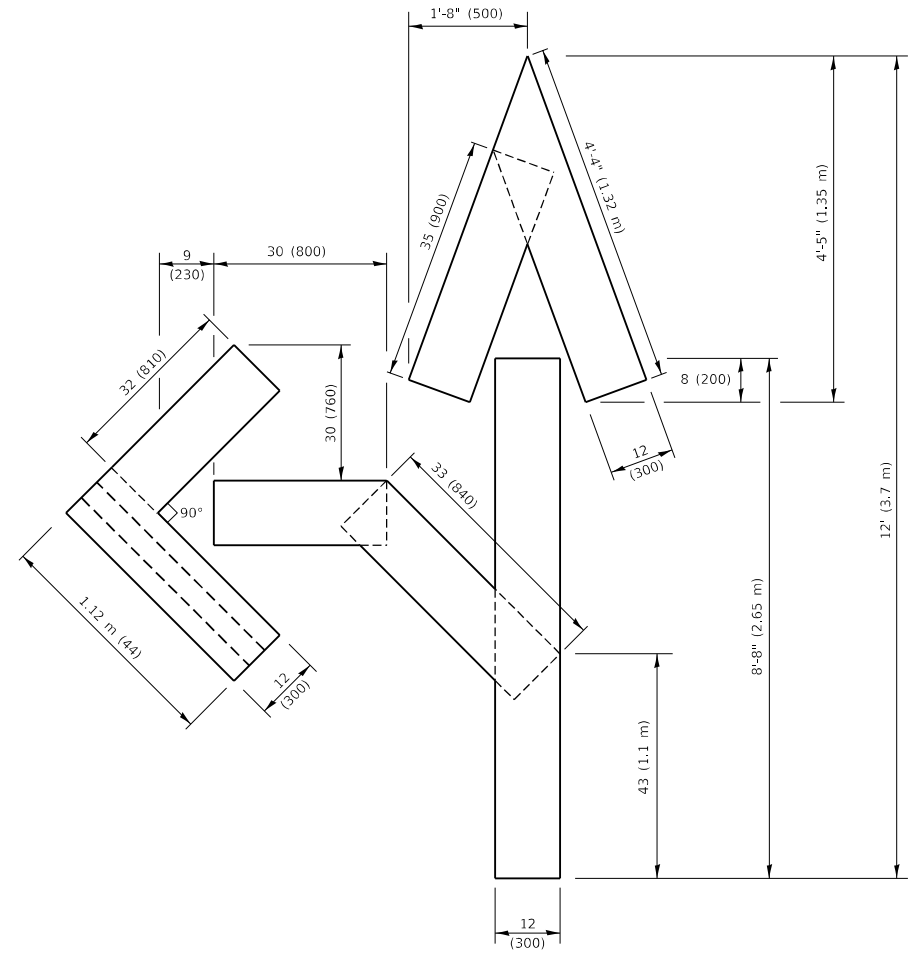
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2771	21-00181-00-RS TC-13	COOK	37	33
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61M46	



**QUANTITY**  
 4 (100) LINE = 45.5 ft. (13.9 m)  
 15.2 sq. ft. (1.41 sq. m)

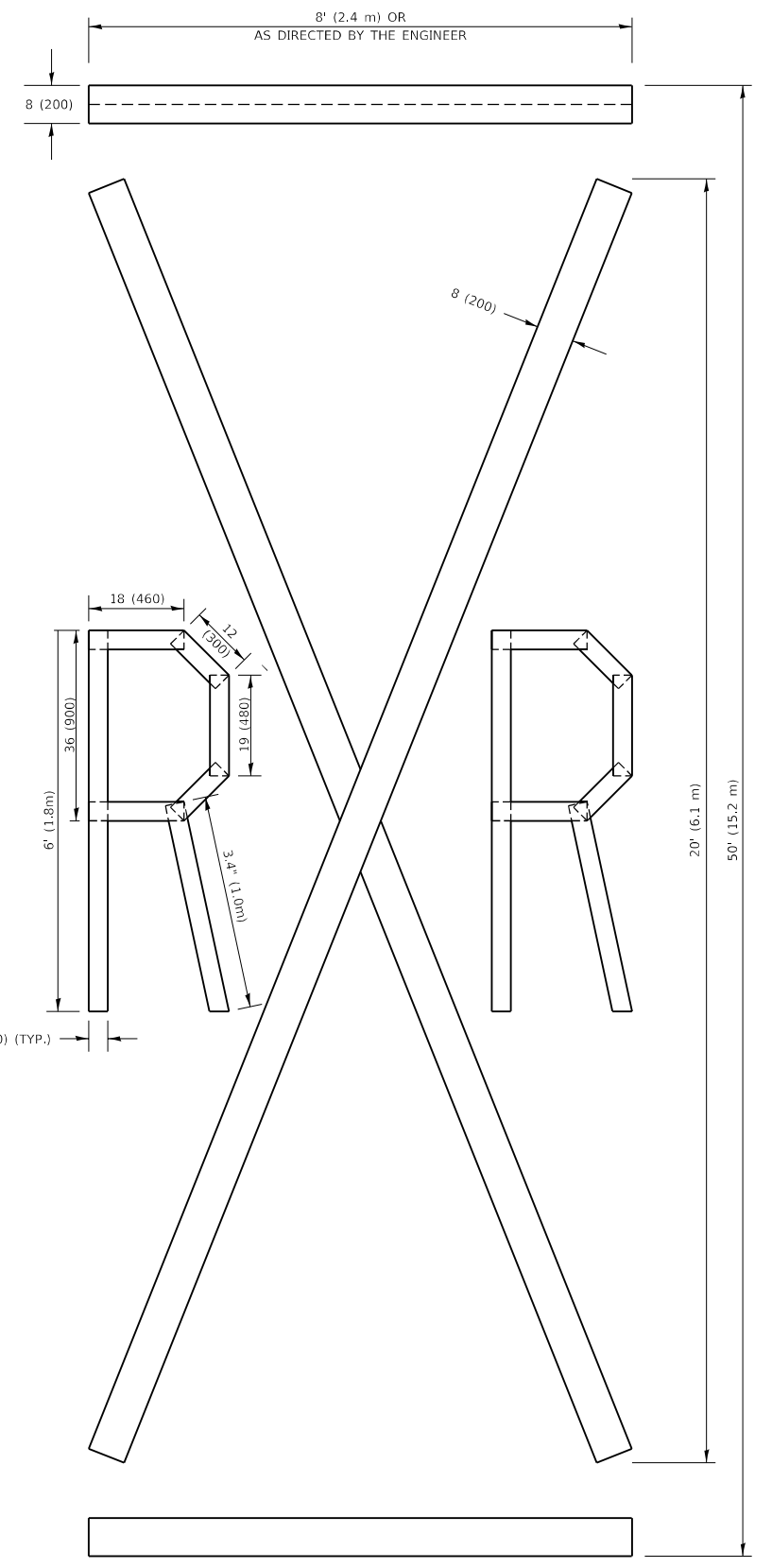


**QUANTITY**  
 4 (100) LINE = 64.1 ft. (19.5 m)  
 21.4 sq. ft. (1.99 sq. m)



**QUANTITY**  
 4 (100) LINE = 82.5 ft. (25.1 m)  
 27.5 sq. ft. (2.53 sq. m)

**NOTE:**  
 ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



**QUANTITY**  
 4 (100) LINE = 225.9 ft. (68.9 m)  
 75.3 sq. ft. (6.99 sq. m)

All dimensions are in inches (millimeters) unless otherwise shown.

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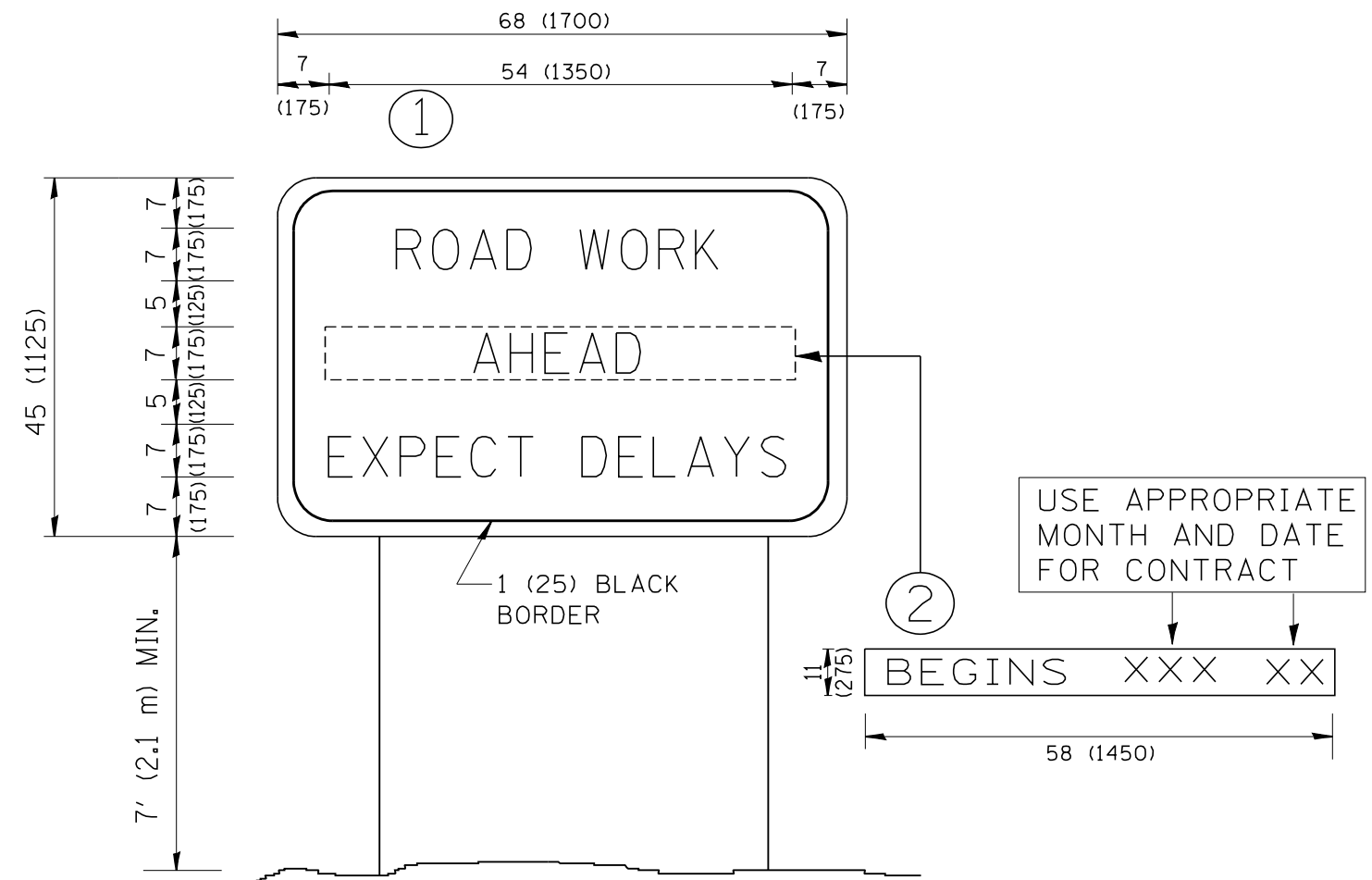
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	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2771	21-00181-00-RS	COOK	37	34
TC-16			CONTRACT NO. 61M46	
ILLINOIS FED. AID PROJECT				



**NOTES:**

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = gagianobt	DESIGNED -	REVISED - R. MIRS 09-15-97
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

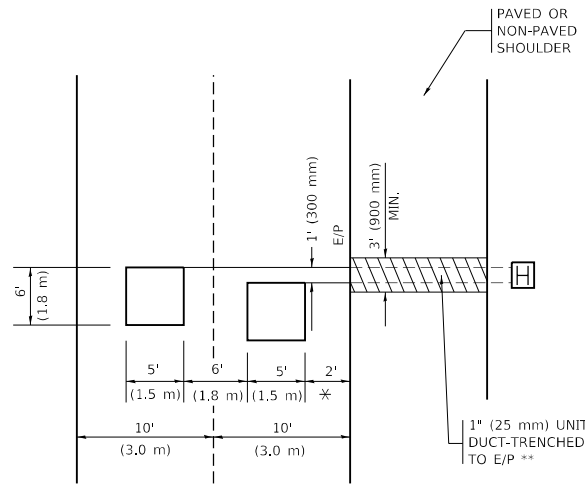
**ARTERIAL ROAD  
INFORMATION SIGN**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2771	21-00181-00-RS	COOK	37	35
TC-22			CONTRACT NO. 61M46	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

**LOOPS NEXT TO SHOULDERS**

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.

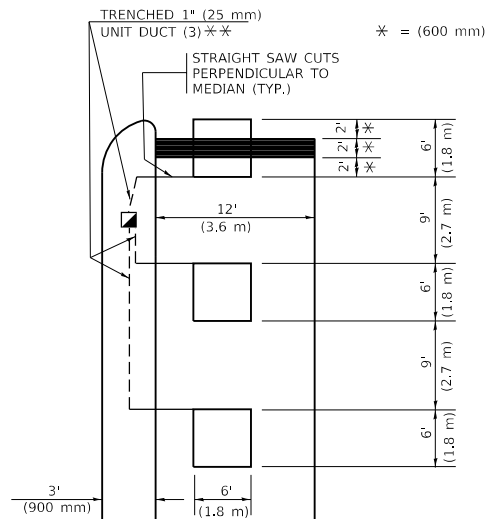


\* = (600 mm)

\*\* UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

**LEFT TURN LANES WITH MEDIANS**  
**VOLUME DENSITY ("FAR OUT" DETECTION)**  
**ON SAME APPROACH**  
**(PROTECTED / PERMITTED LEFT TURN PHASING)**

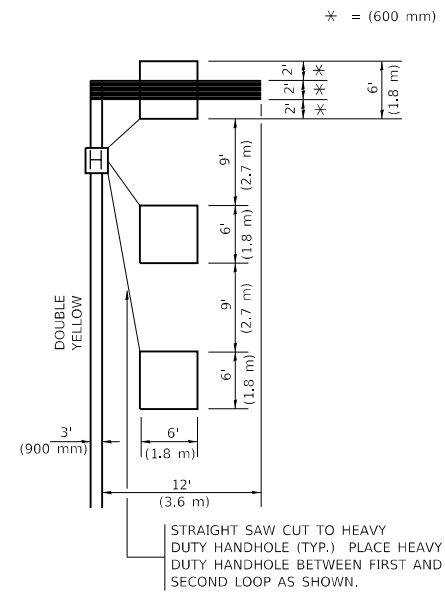
HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



\*\* UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

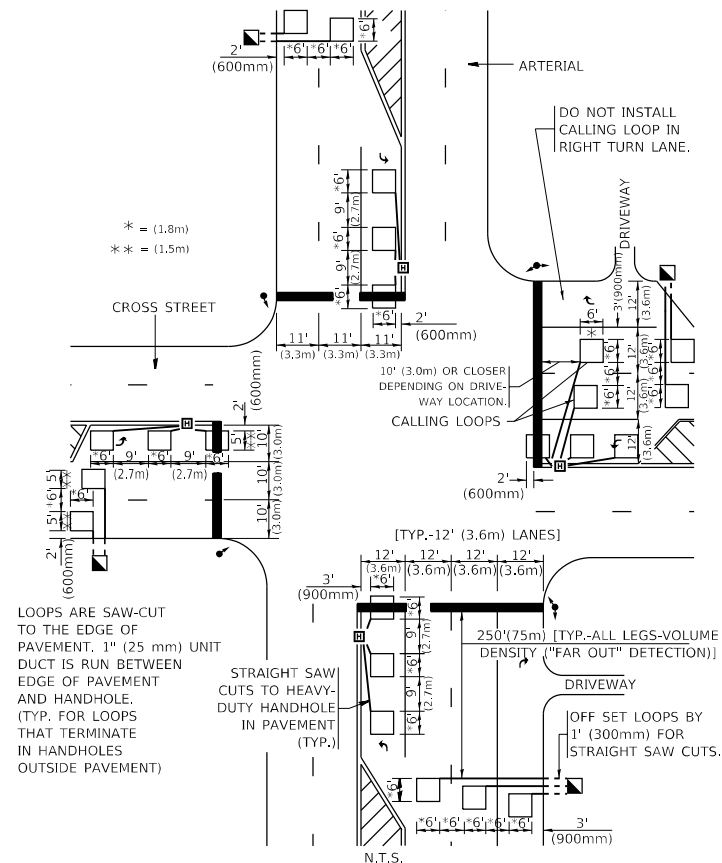
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**LEFT TURN LANES WITHOUT MEDIANS**  
**VOLUME DENSITY ("FAR OUT" DETECTION)**  
**ON SAME APPROACH**  
**(PROTECTED / PERMITTED LEFT TURN PHASING)**



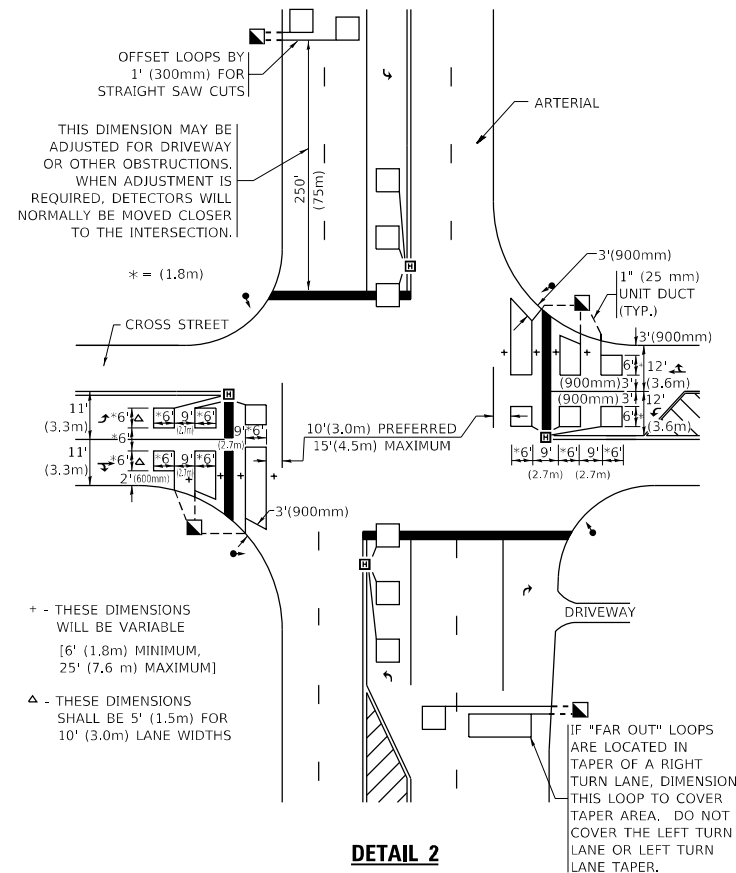
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)**  
**CROSS STREET-NON VOLUME DENSITY ("FAR OUT" DETECTION)**



**DETAIL 1**  
N.T.S.

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)**  
**CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)**



**DETAIL 2**  
N.T.S.

**NOTES:**

**VEHICLES LOOP DETECTORS**

- \* ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- \* EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- \* EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATLY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- \* ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- \* EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- \* WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- \* WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

**PLACEMENT OF DETECTORS**

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

**NOTE:**

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

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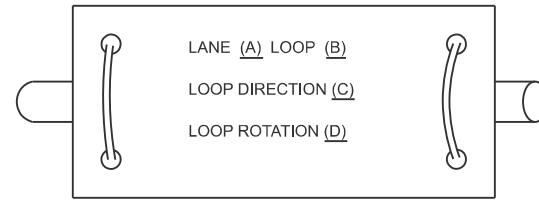
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>DISTRICT 1 - DETECTOR LOOP INSTALLATION</b>			
<b>DETAILS FOR ROADWAY RESURFACING</b>			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2771	21-00181-00-RS	COOK	37	36
TS-07		CONTRACT NO. 61M46		
ILLINOIS FED. AID PROJECT				

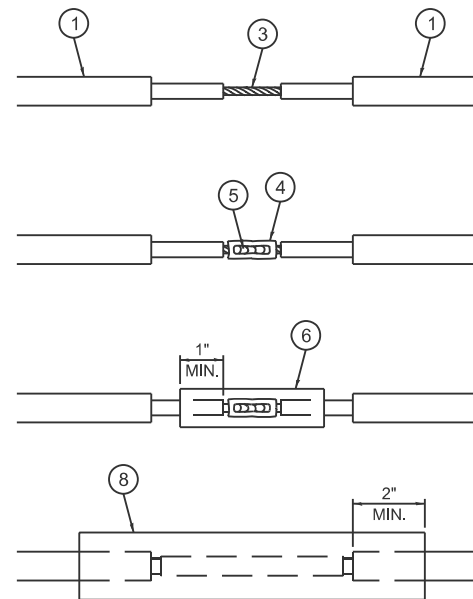
**DETECTOR LOOP NOTES:**

1. LOOPS SHALL BE SPLICED IN SERIES.
2. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" AT A DEPTH OF 3". IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
3. LOOP CORNERS SHALL BE DRILLED WITH A 2" DIAMETER CORE.
4. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NON-METALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6". EMPTY COILABLE NON-METALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE DETECTOR LOOP PAY ITEM.
5. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
6. EACH LEAD-IN CABLE SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP NUMBER, LOOP DIRECTION (IN OR OUT), AND LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE) IN WATER PROOF INK. SEE DETECTOR LOOP LEAD-IN CABLE TAG DETAIL. THE CONTRACTOR SHALL MARK THE LOOP LOCATIONS ON THE RECORD DRAWINGS AND PRESENT THEM TO THE ENGINEER AFTER THE FINAL INSPECTION.
7. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
8. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND THE DIVE HOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" APART.
9. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS.
10. PREFORMED DETECTOR LOOPS SHALL BE USED WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.



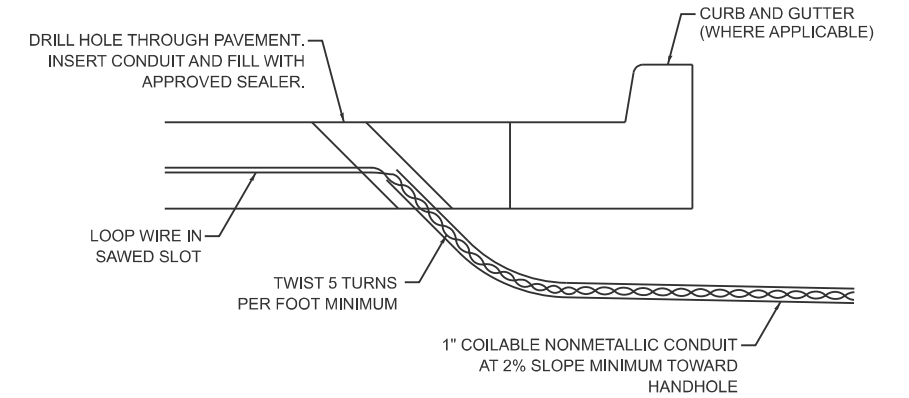
- A. LANE #1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY.
- B. LOOP #1 IS THE LOOP CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

**DETECTOR LOOP LEAD-IN CABLE TAG**

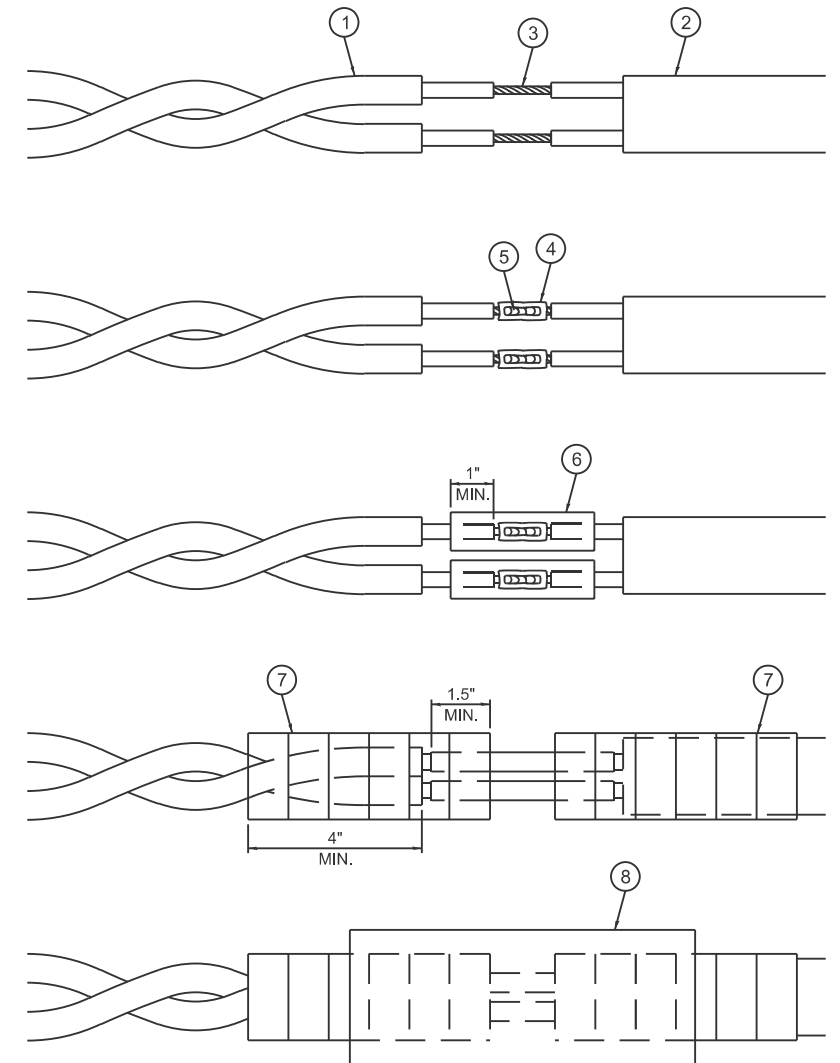


**LOOP-TO-LOOP SPLICE DETAIL**

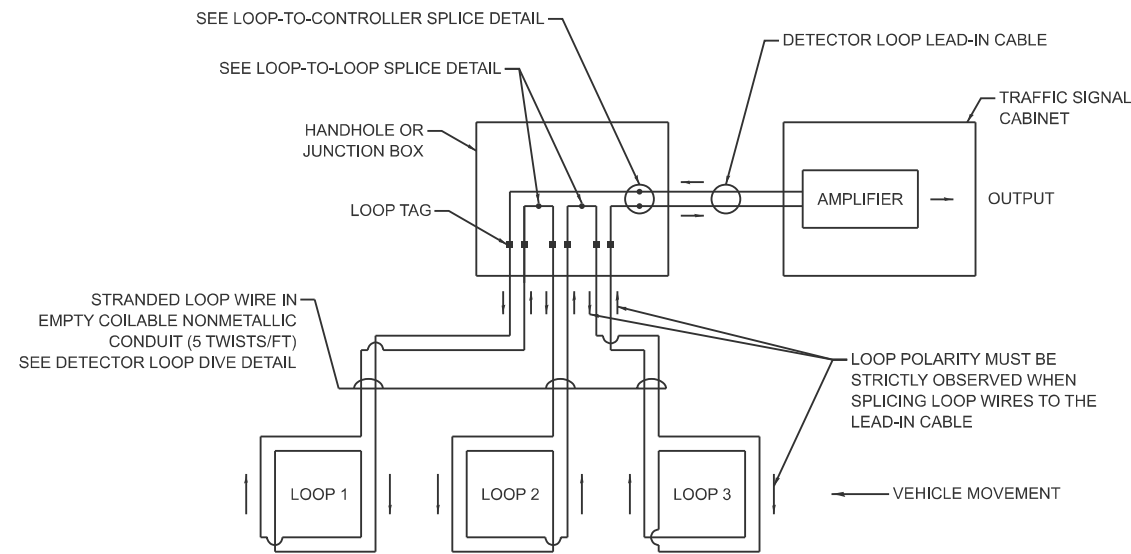
- 1 DETECTOR LOOP CABLE.
- 2 DETECTOR LOOP LEAD-IN CABLE
- 3 BARE CONDUCTORS TWISTED TOGETHER.
- 4 BUTT SPLICE CRIMP CONNECTOR.
- 5 SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE SPLICES SHALL BE STAGGERED.
- 6 WCSMW 30/100 HEAT SHRINK TUBE, 3" MINIMUM LENGTH, UNDERWATER GRADE.
- 7 SELF-INFUSED, SILICONE ELECTRICAL TAPE TIGHTLY WRAPPED AROUND CABLES.
- 8 WCS 200/750 HEAT SHRINK TUBE, 8" MINIMUM LENGTH, UNDERWATER GRADE.



**DETECTOR LOOP DIVE DETAIL**



**LOOP-TO-CONTROLLER SPLICE DETAIL**



**DETECTOR LOOP WIRING SCHEMATIC**

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 2 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2771	21-00181-00-RS	COOK	37	37
<b>TS-01</b>			CONTRACT NO. 61M46	
ILLINOIS FED. AID PROJECT				