



**INDEX OF SHEETS**

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**GENERAL NOTES**

**COMMITMENTS**

Commitments are not to be altered without the written approval of all parties to which the commitment was made. There are no commitments for this project.

**PROPERTY OWNER ACCESS REQUIREMENT**

Access must be maintained to all existing properties during construction per Article 107.09 unless arrangements are made in writing by the Contractor with the property owners with a copy to the Engineer for short-term closures.

**CONSECUTIVE SIDE STREET (ROAD) CLOSURE – PROHIBITED**

1. No two consecutive side streets (roads) may be closed at the same time during construction. The Contractor must alternate streets (roads).

2. Adjacent sideroads will not be closed simultaneously. BLR Standard 21 shall be used for all local road closures without any entrances within the closed area. BLR Standard 22 can be used where it is necessary to allow local traffic access.

FILE NAME = *FILEL*	USER NAME = *USER*	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS, GENERAL NOTES, AND PROJECT SPECIFIC NOTES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -			669	11RS-12	TAZEWELL	42	2	
		CHECKED -	REVISED -			CONTRACT NO. 68D69					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE:	SHEET OF SHEETS		STA. TO STA.			

**GENERAL NOTES (CONTINUED)**

**ENVIRONMENTAL REVIEWS**

Prior to the use of any proposed borrow areas, use areas (temporary access roads, detours, run-arounds, etc.) and/or waste areas, the Contractor shall file the required environmental resource request surveys according to Section 107.22 of the Standard Specifications. These surveys are required in order for the Department to conduct cultural and biological resource surveys for the proposed site.

Prior to any waste materials being removed from the construction site the required environmental resource surveys will need to be obtained and filed by the Contractor. Excess waste products removed from the construction site shall be disposed of as required in Section 202.03 of the Standard Specifications.

Any protruding metal bars shall be removed prior to the disposal of broken concrete at approved disposal sites.

The required environmental resource documentation shall include the following:

- \* BDE Form 2289 (Environmental Survey Request)
- \* BDE Form 2290 (Waste/Use Area Review)
- \* A location map showing the size limits and location of the use area
- \* Color photographs depicting the use area
- \* Borrow Area Entry Agreement form-D4 PI0101

Please note that a minimum of four weeks shall be allowed for the District to obtain the required environmental clearances and six weeks for the required borrow site environmental clearances.

**PAVEMENT STATION NUMBERS & PLACEMENT**

The Contractor shall provide labor and materials required to imprint pavement station numbers in the finished surface of the pavement and/or overlay. The numbers shall be approximately 3/4 inch (20 mm) wide, 5 inches (125 mm) high and 5/8 inch (15 mm) deep.

The pavement station numbers shall be installed as specified herein:

Interval – 200 feet (English stationing) or 100 meters (metric stationing)

Bottom of Numbers – 6 inches (150 mm) from the inside edge of the pavement marking

Location:

- 2, 3, & 5 Lane Pavements – right edge of pavement in direction of increasing stations
- Multi-Lane Divided Roadways – outside edge of pavement in both directions
- Ramps – along baseline edge of pavement

Position – stations shall be placed so they can be read from the adjacent shoulder

Format – English (Metric) pavement stations shall use this format \*XXX (XX + X00)\*, where X represents the pavement station

This work will not be paid for separately, but will be included in the cost of the associated pavement and/or overlay pay items.

FILE NAME =	USER NAME = grefzua1	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS, GENERAL NOTES, AND PROJECT SPECIFIC NOTES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
S:\GEN\WINWORD\STD&PLNS\Squad03\68069	IL 29 Overlay - Crave Coar\IL29 Overlay - C	DRAMA.dgn	REVISED -			669	11RS-12	TAZEWELL	42	3	
	PLOT SCALE = 10.0000' / 1"	CHECKED -	REVISED -			CONTRACT NO. 68069					
	PLOT DATE = 2/1/2018	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
				SCALE:		SHEET OF SHEETS		STA. TO STA.			

**GENERAL NOTES (CONTINUED)**

**PROJECT SPECIFIC NOTES**

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

Mixture Use(s):	Shoulders (2"); Median Surface (4")	Polymer Surface 1.5"	Polymer Level Binder 1"
AC/PC:	PG 64-22	SBS or SBR 76-28	SBS or SBR 76-22
Design Air Voids:	4.0% @ N=50	4.0% N=70	4.0% N=50
Mixture Composition: (Gradation Mixture)	IL 9.5FG	IL 9.5	IL 4.75
Friction Aggregate:	N.A.	Mix E	N.A.
Quality Management:	QCQA	QCP	QCQA

**Note:**

- 1) Individual lift thickness of each mix type will be no less than 3 times nominal maximum aggregate size and no more than 6 times nominal aggregate size.
- 2) For design purposes, mixture weight for all mixes is determined to be 112.0 lb/s.y/in., unless otherwise noted.
- 3) Sublot sizes for PFP and QCP mixes will be 700 tons, unless otherwise agreed to by the Engineer and the paving contractor

**BUTT JOINT CUTTING TIME RESTRICTION**

Butt joints shall not be milled more than three (3) days prior to placement of the HMA surface course.

**PAVING SURFACE COURSE**

Continuous paving operations on the main roadway shall be maintained at all times during the construction of the hot-mix asphalt surface. No interruptions for side roads, entrances, turn lanes, etc. will be allowed.

All pavement and shoulder surfaces must be dry prior to the placement of Tack Coat.

When milling the outer 4 feet of existing pavement in the northbound and southbound directions from Sta. 180+54 to Sta. 200+08, existing PCC widening will be encountered. Milling this existing PCC widening along with its HMA overlay will be paid for at the contract unit price per square yard for HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2".

HOT-MIX ASPHALT MEDIAN SURFACE, 4" shall be constructed in accordance with Section 408 of the Standard Specifications and will be paid for at the contract unit price per square foot for HOT-MIX ASPHALT MEDIAN SURFACE, 4".

CURB CUT shall consist of cutting the existing curb horizontally to provide a 2" curb height above the proposed HMA surface course. Cutting the curb and disposing of waste in accordance with Article 202.03 of the Standard Specifications will be paid for at the contract unit price per foot for CURB CUT.

MEDIAN SURFACE REMOVAL shall consist of removal and disposal of existing 4" HMA median surface or 4" PCC median surface. This work shall be done in accordance with Section 440 of the Standard Specifications and will be paid for at the contract unit price per square foot for MEDIAN SURFACE REMOVAL.

FILE NAME =	USER NAME = horstkj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS, GENERAL NOTES, AND PROJECT SPECIFIC NOTES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D:\PDR\GEN\WINWORD\STO&PLNS\Squad03\68D69 IL 29 Overlay - Creve Coeur\IL29 Overlay - DRANN\Coour.dgn	CHECKED -	REVISED -	669			IIRS-12	TAZEWELL	42	4	
PLOT SCALE = 10,000' / in.	DATE -	REVISED -	CONTRACT NO. 68D69							
PLOT DATE = 2/9/2018	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							
					SCALE:	SHEET	OF	SHEETS	STA.	TO STA.



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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80/20	80/20
				(FED./STATE)	(FED./STATE)
				ROADWAY	SAFETY
				0005	0021
35400520	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 12"	SQ YD	34	34	
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	2381	2381	
40600982	HOT - MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	389	389	
40600990	TEMPORARY RAMP	SQ YD	2619	2619	
40603565	POLYMERIZED HOT - MIX ASPHALT SURFACE COURSE, MIX "E", N70	TON	3574	3574	
42000060	WELDED WIRE REINFORCEMENT	SQ YD	240	240	
44000157	HOT - MIX ASPHALT SURFACE REMOVAL, 2 "	SQ YD	7338	7338	
44000159	HOT - MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	42349	42349	
44004250	PAVED SHOULDER REMOVAL	SQ YD	34	34	
44201007	CLASS B PATCHES, TYPE II, 13 INCH	SQ YD	411	411	
44201011	CLASS B PATCHES, TYPE III, 13 INCH	SQ YD	189	189	
44201013	CLASS B PATCHES, TYPE IV, 13 INCH	SQ YD	51	51	
44201299	DOWEL BARS 1 1/2"	EACH	1090	1090	
44213200	SAW CUTS	FOOT	3060	3060	

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USER NAME = fejantrd	DESIGNED -	REVISED -
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PLOT DATE = 2/8/2018	CHECKED -	REVISED -
	DATE -	REVISED -

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

**SUMMARY OF QUANTITIES**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	11RS-12	TAZEWELL	42	6
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68D69	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80/20	80/20
				(FED./STATE)	(FED./STATE)
				ROADWAY	SAFETY
				0005	0021
44213204	TIE BARS 3/4"	EACH	146	146	
48203100	HOT - MIX ASPHALT SHOULDERS	TON	822	822	
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	1	1	
60500060	REMOVING INLETS	EACH	1	1	
60618210	HOT-MIX ASPHALT MEDIAN SURFACE, 4"	SQ FT	21561	21561	
* 63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	FOOT	1350	1350	
64300530	IMPACT ATTENUATORS (PARTIALLY REDIRECTIVE), TEST LEVEL 3	EACH	6	6	
67100100	MOBILIZATION	L SUM	1	1	
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	2	2	
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1	
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10	10	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	9431	9431	

14

\* SPECIALTY ITEM

MODEL: D:\cadd\11\110001\110001.dwg; FILE: 110001.dwg; USER: gmf; DATE: 2/1/2018

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	DRAWN -	REVISED -
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PLOT DATE = 2/1/2018	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	11RS-12	TAZEWELL	42	7
CONTRACT NO. 68069				
ILLINOIS FED. AID PROJECT				

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80/20 (FED./STATE)	80/20 (FED./STATE)
				ROADWAY 0005	SAFETY 0021
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1065	1065	
* 78003130	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 6"	FOOT	3810	3810	
* 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	442	442	
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	17017	17017	
* 78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	2831	2831	
* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	970	970	
* 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	228	228	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	346	346	
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	22	22	
* 78200020	CURB REFLECTORS	EACH	248	248	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	239	239	
* 81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1		1
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	187.5		187.5
* 88200510	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	2		2

14

\* SPECIALTY ITEM

USER NAME = gmfzuel	DESIGNED -	REVISED -
PLOT SCALE = 10,0000 / 1"	DRAWN -	REVISED -
PLOT DATE = 2/7/2018	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	11RS-12	TAZEWELL	42	8
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68D69	

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80/20 (FED./STATE)	80/20 (FED./STATE)
				ROADWAY 0005	SAFETY 0021
* 88600100	DETECTOR LOOP, TYPE I	FOOT	1479		1479
* 89502105	REBUILD EXISTING SIGNAL HEAD, LED	EACH	2		2
* 89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1		1
X0300004	BITUMINOUS MATERIALS (TACK COAT), SPECIAL	POUND	109213	109213	
* X0320028	RELOCATE EXISTING CCTV CAMERAS	LSUM	1		1
X0322494	CURB CUT	FOOT	2589	2589	
X4400196	HOT - MIX ASPHALT SURFACE REMOVAL, SPECIAL	SQ YD	332	332	
X4403800	MEDIAN SURFACE REMOVAL	SQ FT	21561	21561	
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	280	280	
* X7830068	GROOVING FOR RECESSED PAVEMNT MARKING, LETTERS, NUMBERS AND SYMBOLS	SQ FT	442	442	
* X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	17017	17017	
* X7830074	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	3810	3810	
* X7830076	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	2831	2831	
* X7830078	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	970	970	

\*SPECIALTY ITEM

14

USER NAME = faganhd	DESIGNED -	REVISED -
PLOT SCALE = 10,0000 / in.	DRAWN -	REVISED -
PLOT DATE = 2/8/2018	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	11RS-12	TAZEWELL	42	9
				CONTRACT NO. 68069
ILLINOIS FED. AID PROJECT				



RESURFACING SCHEDULE															
LOCATION				44004250 PAVED SHOULDER REMOVAL	40600982 HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	44000157 HOT-MIX ASPHALT SURFACE REMOVAL, 2"	44000159 HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	35400520 PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 12"	48203100 HOT-MIX ASPHALT SHOULDERS	X0300004 BITUMINOUS MATERIALS (TACK COAT), SPECIAL	40600827 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL 4.75, N50	40603565 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70	40600990 TEMPORARY RAMP	X4400196 HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL	Z0034105 MATERIAL TRANSFER DEVICE
IL 29				SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	TON	POUND	TON	TON	SQ YD	SQ YD	TON
STA	180+54	TO	231+76		379.0		42349.0			103800.5	2380.5	3573.2	2619.0		5,955.0
FISCHER ROAD			TO	231+76		7338.0		822.0							
STA	198+10	TO	199+32		34.0			34.0							
HOMEWOOD AVENUE						10.0				21.5	0.5	0.8			
MEDIAN WORK										5391.0					
NB/SB BETWEEN INSIDE & BI-DIRECTIONAL TURN LANE STA. 180+54 TO 200+00														216.2	
SB BETWEEN MIDDLE & OUTSIDE LANE STA. 200+00 TO 206+00														33.3	
SB BETWEEN OUTSIDE LANE & RAMP STA. 202+00 TO 206+00														22.2	
NB BETWEEN OUTSIDE LANE & RAMP STA. 218+30 TO 221+00														15.0	
SB BETWEEN INSIDE LANE & TURN LANE STA. 220+00 TO 224+20														23.3	
NB BETWEEN OUTSIDE LANE & RAMP STA. 225+20 TO 229+00														21.1	
TOTALS				34	389	7,338	42,349	34	822	109,213	2,381	3,574	2,619	332	5,955

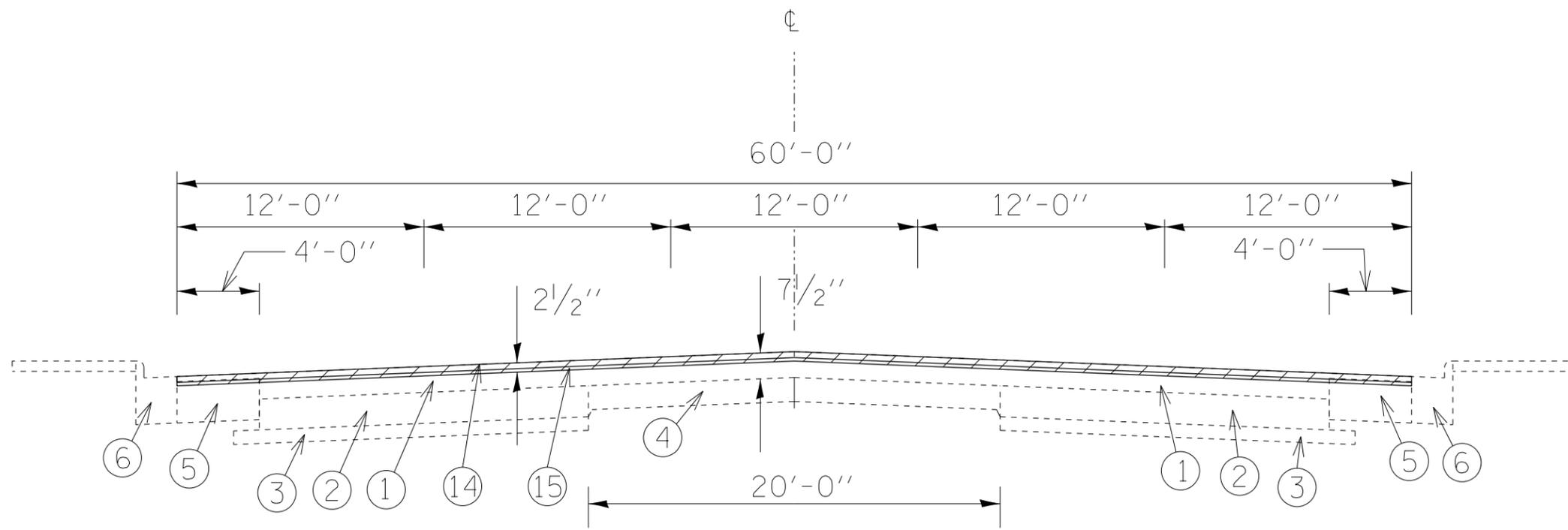
DRAINAGE SCHEDULE			
LOCATION		60500060 REMOVING INLETS	60235700 INLETS, TYPE A, TYPE 3 FRAME & GRATE
IL 29	LT/RT	EACH	EACH
STA. 225+76	LT	1	1
TOTALS		1	1

MOBILIZATION	
67100100 MOBILIZATION	
LOCATION	L SUM
JOBSITE	1
TOTAL	1

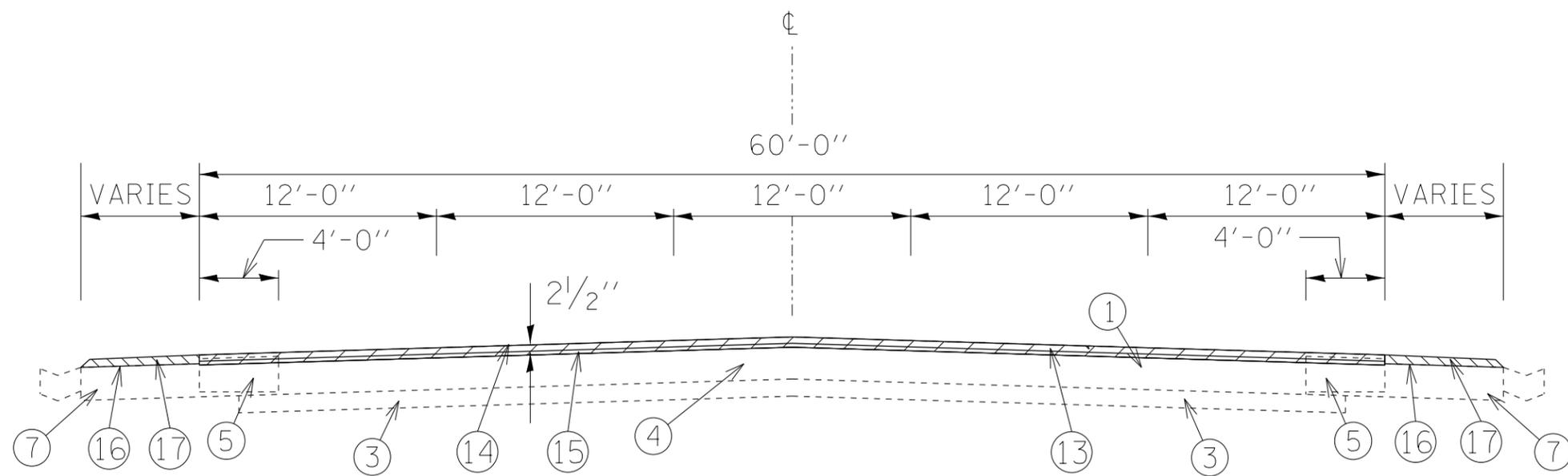
CONSTRUCTION LAYOUT	
XZ013798 CONSTRUCTION STATION LAYOUT	
LOCATION	L SUM
JOBSITE	1
TOTAL	1

PAVEMENT MARKING SCHEDULE																							
LOCATION				70300100 SHORT-TERM PAVEMENT MARKING	70300150 SHORT-TERM PAVEMENT MARKING REMOVAL	78003130 PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 6"	78009000 MODIFIED URETHANE PAVEMENT MARKING - LINE LETTERS AND SYMBOLS	78009004 MODIFIED URETHANE PAVEMENT MARKING - LINE 4"				78009008 MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	78009012 MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	78009024 MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	78100100 RAISED REFLECTIVE PAVEMENT MARKER	78200020 CURB REFLECTORS	78300200 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	X7830068 GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS, NUMBERS AND SYMBOLS	X7830070 GROOVING FOR RECESSED PAVEMENT MARKING, 5"	X7830074 GROOVING FOR RECESSED PAVEMENT MARKING, 7"	X7830076 GROOVING FOR RECESSED PAVEMENT MARKING, 9"	X7830078 GROOVING FOR RECESSED PAVEMENT MARKING, 13"	X7830090 GROOVING FOR RECESSED PAVEMENT MARKING, 25"
IL 29				FOOT	SQ FT	FOOT	SQ FT	FOOT				FOOT	FOOT	FOOT	EACH	EACH	EACH	SQ FT	FOOT	FOOT	FOOT	FOOT	FOOT
STA	180+54	TO	231+76	9431.0	1065.0	3810.0	442.0	SOLID YELLOW	SKIP-DASH YELLOW	DOUBLE SOLID YELLOW	SOLID WHITE	2831.0	970.0	228.0	346.0	248.0	239.0	442.0	17017.0	3810.0	2831.0	970.0	228.0
TOTALS				9,431	1,065	3,810	442	17,017				2,831	970	228	346	248	239	442	17,017	3,810	2,831	970	228





STA. 180+54.00 TO  
STA. 197+74.03



STA. 197+74.03 TO  
STA. 200+08.00

EXISTING

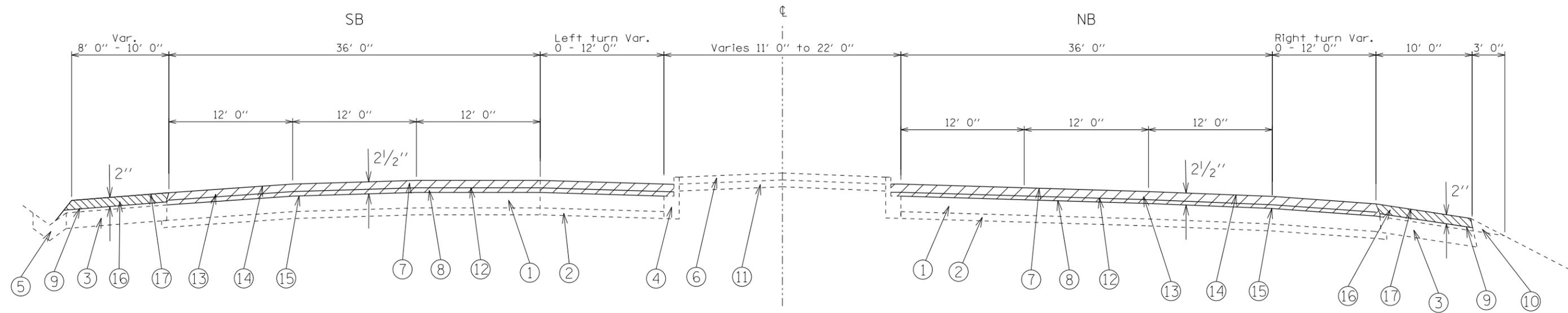
- ① 1 1/2" - 7/2" BIT. CONC. OVERLAY
- ② P.C.C. BASE COURSE (9")
- ③ 4" AGG. SUB-BASE
- ④ P.C.C. PAV'T.
- ⑤ P.C.C. BASE COURSE WIDENING (10")
- ⑥ COMB. CONC. CURB & GUTTER, TY. B6.24
- ⑦ HMA SHOULDER

PROPOSED

- ⑬ HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- ⑭ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70 (1 1/2")
- ⑮ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL4.75, N50 (1")
- ⑯ HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- ⑰ HOT-MIX ASPHALT SHOULDERS, 2"

**DRAWING NOT TO SCALE**

FILE NAME =	USER NAME = fagentnd	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
S:\GEN\WINWORD\STD&PLNS\Squad03\68D69	IL 29 Overlay - Creve Coeur\IL29 Overlay - C	DRAWN	REVISED		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	669	IIRS-12	TAZEWELL	42 13
	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -						CONTRACT NO. 68D69					
	PLOT DATE = 2/8/2018	DATE -	REVISED -						ILLINOIS FED. AID PROJECT					



STA. 200+08.00 TO  
STA. 231+76.00

**EXISTING**

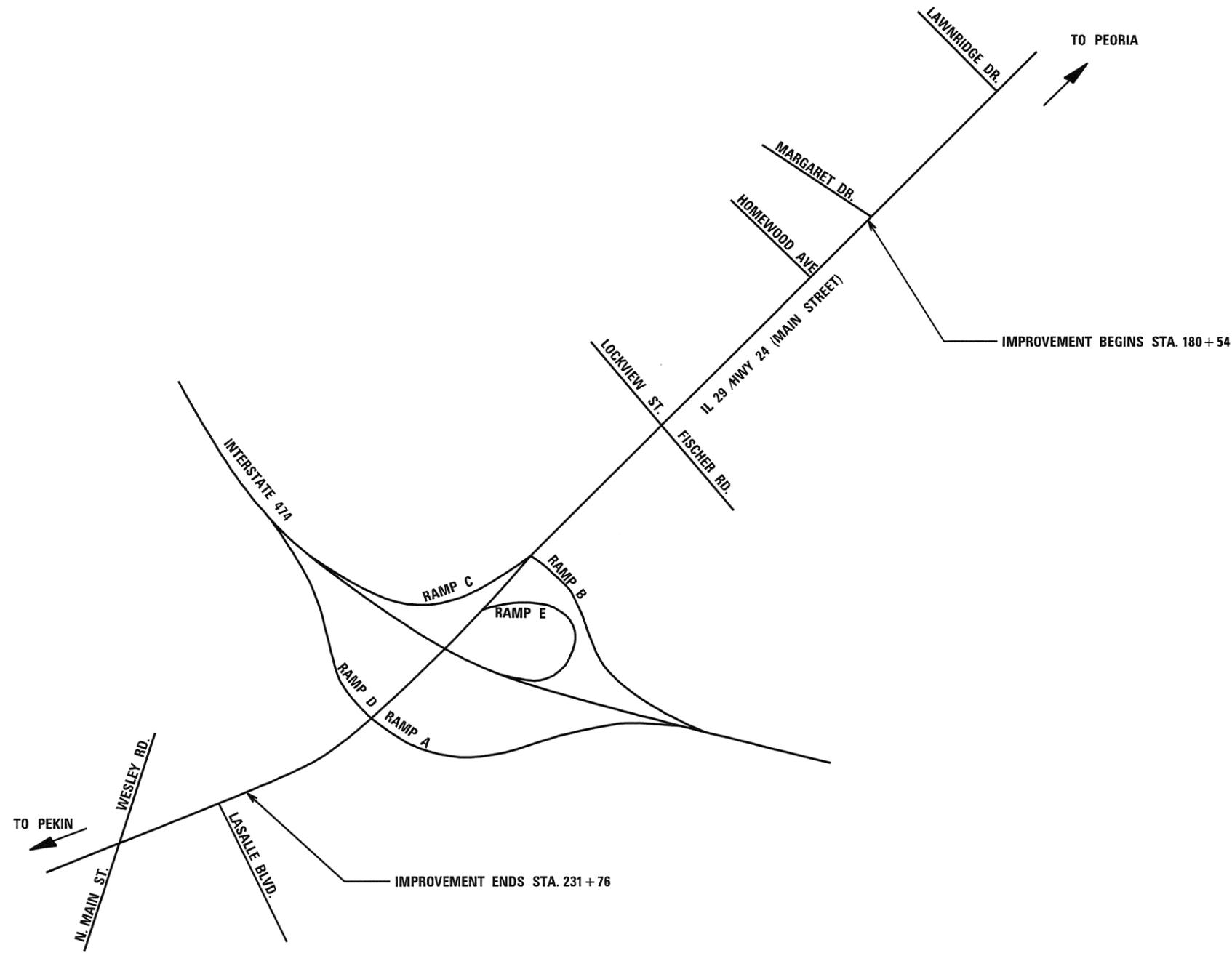
- ① 10" STANDARD REINFORCED PCC PAVEMENT
- ② 4' STABILIZED SUB-BASE
- ③ BITUMINOUS SHOULDER
- ④ COMB C.C.&G. TY B9.24
- ⑤ CONCRETE GUTTER, TYPE A
- ⑥ CONCRETE/TURF MEDIAN
- ⑦ BIT. CONC. SURFACE COURSE 1 1/2"
- ⑧ LEV. BIND. MM TY1 1"
- ⑨ BITUMINOUS SHOULDER OVERLAY
- ⑩ AGGREGATE SHOULDER, TYPE B
- ⑪ AGGREGATE BASE COURSE TYPE B 4"
- ⑫ AREA REFLECTIVE CRACK CONTROL TREATMENT A

**PROPOSED**

- ⑬ HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- ⑭ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70 (1 1/2")
- ⑮ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL4.75, N50 (1")
- ⑯ HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- ⑰ HOT-MIX ASPHALT SHOULDERS, 2"

**DRAWING NOT TO SCALE**

FILE NAME =	USER NAME = greifzuel	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
S:\GEN\WINWORD\STD&PLNS\Squad03\68069	IL 29 Overlay - Creve Coeur\IL29 Overlay - C	DRAWN	REVISED		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	669	11RS-12	TAZEWELL	42	14
	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -						CONTRACT NO. 68069							
	PLOT DATE = 2/7/2018	DATE -	REVISED -						ILLINOIS FED. AID PROJECT							



**DRAWING NOT TO SCALE**

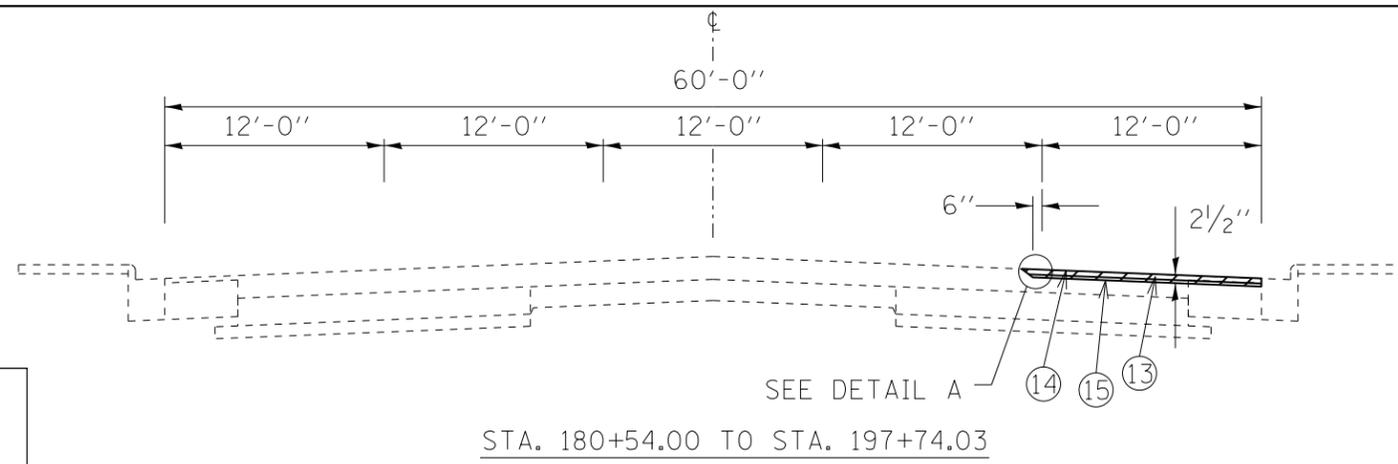
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S:\GEN\WINWORD\STD&PLNS\Squad03\68069	IL 29 Overlay - Creve Coeur\IL29 Overlay - C	DRAWN -	REVISED -
	PLOT SCALE = 10,0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/7/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

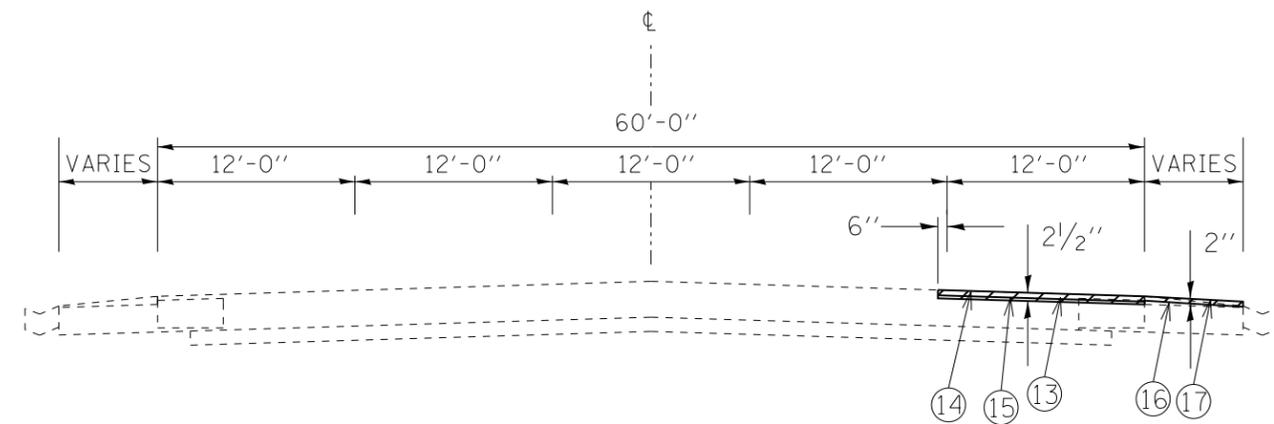
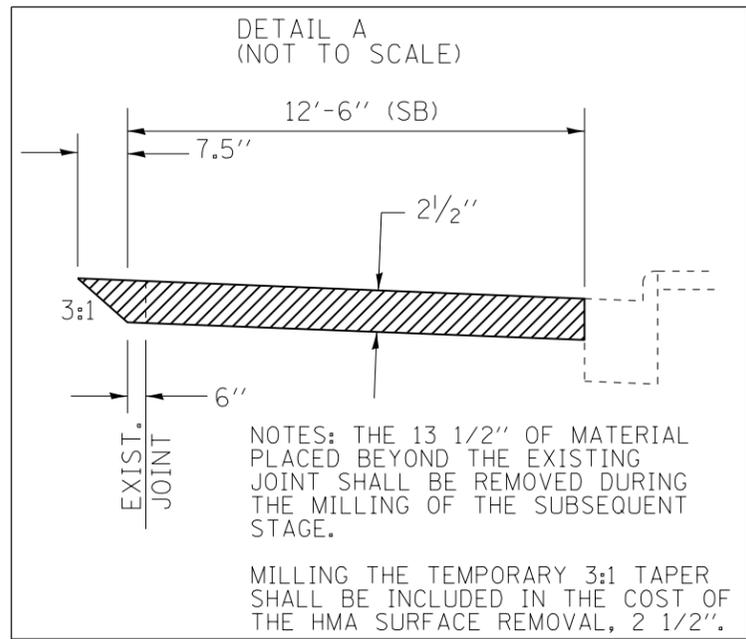
<b>LINE DIAGRAM</b>			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	11RS-12	TAZEWELL	42	15
<b>CONTRACT NO. 68069</b>				
<small>ILLINOIS FED. AID PROJECT</small>				

NOTES:  
 1.) NO TRAFFIC (EXCEPT TRAFFIC CROSSING OVER TO AND FROM ENTRANCES AND RAMPS) SHALL BE ALLOWED ON THE MILLED SURFACE OR ON THE PRIMED LEVELING BINDER.  
 2.) EACH STAGE SHALL BE COMPLETE TO SURFACE COURSE PROPOSED GRADE PRIOR TO PROCEEDING WITH THE NEXT STAGE.

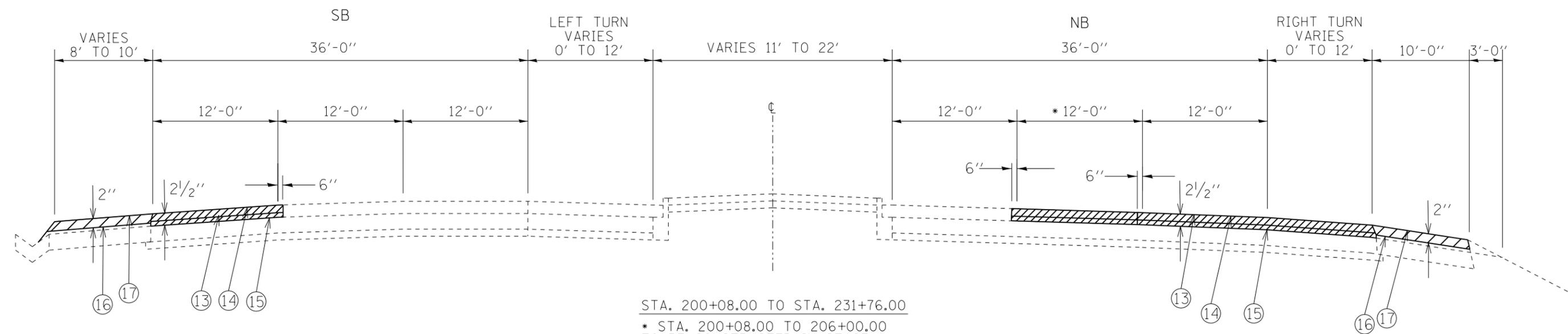


STA. 180+54.00 TO STA. 197+74.03



STA. 197+74.03 TO STA. 200+08.00

- PROPOSED LEGEND:
- ⑬ HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
  - ⑭ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70 (1 1/2")
  - ⑮ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL4.75, N50 (1")
  - ⑯ HOT-MIX ASPHALT SURFACE REMOVAL, 2"
  - ⑰ HOT-MIX ASPHALT SHOULDERS, 2"



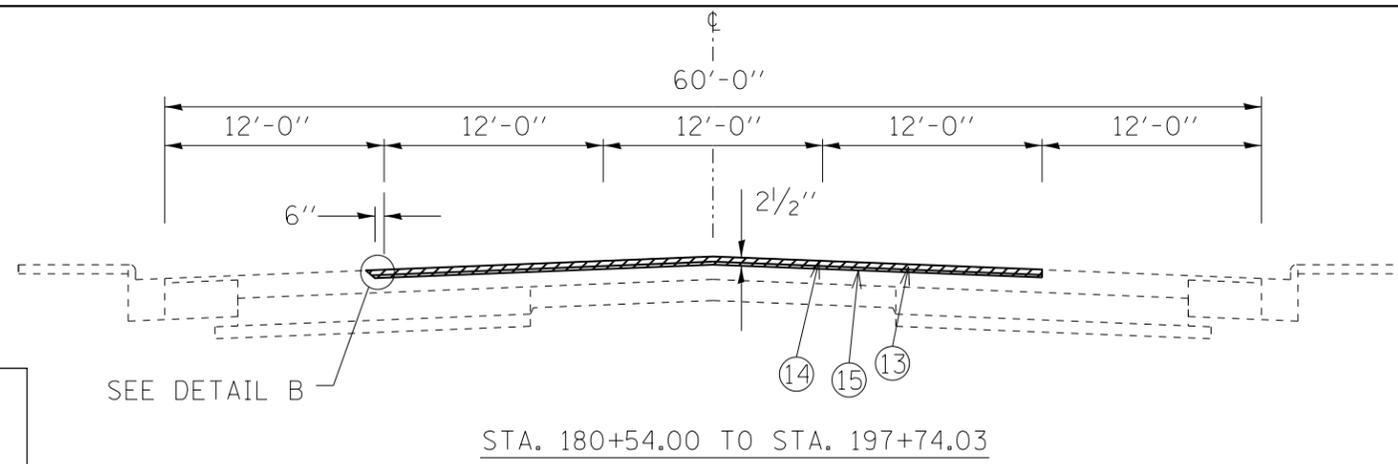
STA. 200+08.00 TO STA. 231+76.00  
 \* STA. 200+08.00 TO 206+00.00 TO BE CONSTRUCTED IN STAGE 1

FILE NAME =	USER NAME = fagentnd	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED STAGING DETAILS STAGE 1 TYPICAL SECTIONS</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S:\GEN\WINWORD\STD&PLNS\Squad03\68069	IL 29 Overlay - Creve Coeur\IL 29 Pavement	DRAWN Plan Sheets.dgn	REVISED -						669	IIRS-12	TAZEWELL	42	16
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -	CONTRACT NO. 68069										
PLOT DATE = 2/7/2018	DATE -	REVISED -	ILLINOIS FED. AID PROJECT										

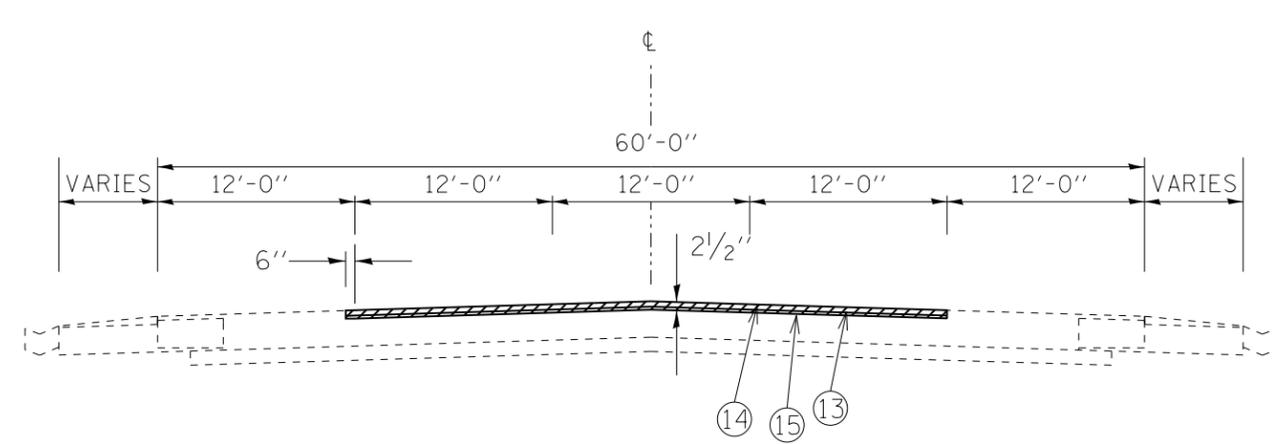
**NOTES:**

1.) NO TRAFFIC (EXCEPT TRAFFIC CROSSING OVER TO AND FROM ENTRANCES AND RAMPS) SHALL BE ALLOWED ON THE MILLED SURFACE OR ON THE PRIMED LEVELING BINDER.

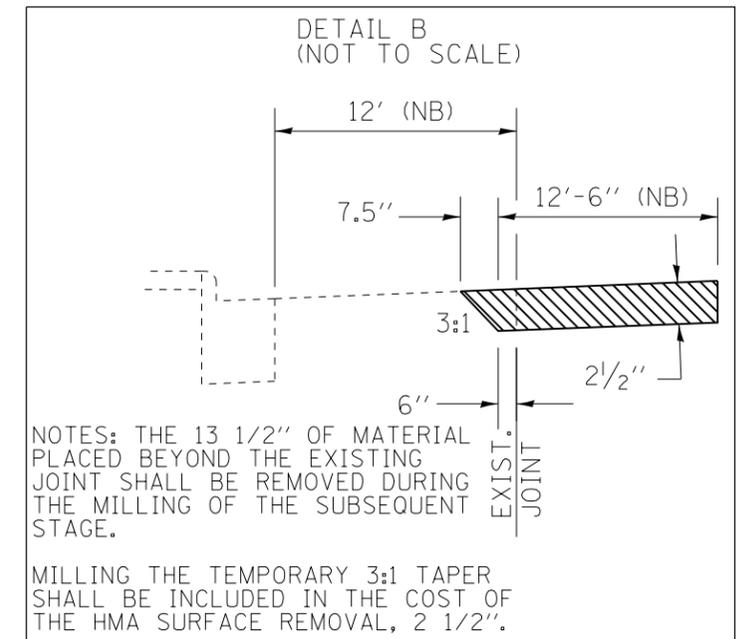
2.) EACH STAGE SHALL BE COMPLETE TO SURFACE COURSE PROPOSED GRADE PRIOR TO PROCEEDING WITH THE NEXT STAGE.



STA. 180+54.00 TO STA. 197+74.03



STA. 197+74.03 TO STA. 200+08.00

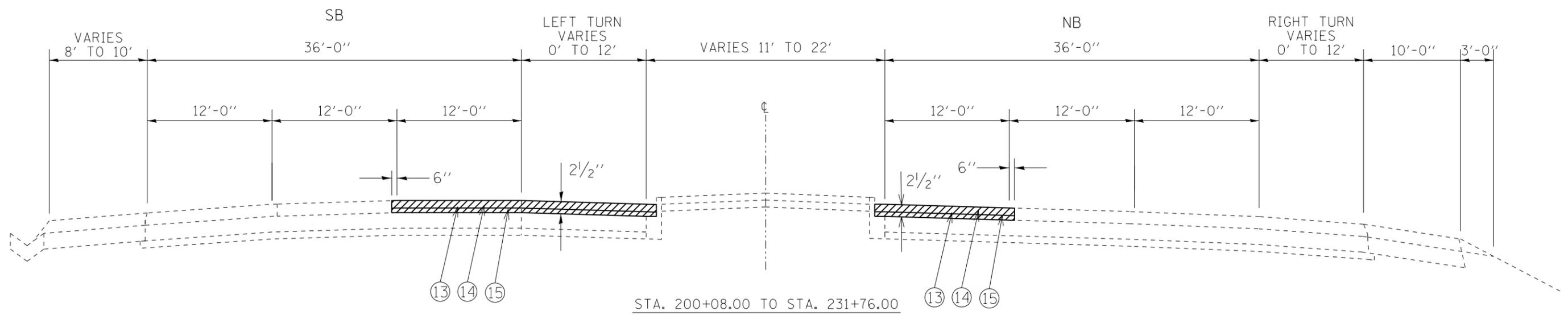


NOTES: THE 13 1/2" OF MATERIAL PLACED BEYOND THE EXISTING JOINT SHALL BE REMOVED DURING THE MILLING OF THE SUBSEQUENT STAGE.

MILLING THE TEMPORARY 3:1 TAPER SHALL BE INCLUDED IN THE COST OF THE HMA SURFACE REMOVAL, 2 1/2".

**PROPOSED LEGEND:**

- ⑬ HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- ⑭ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70 (1 1/2")
- ⑮ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL4.75, N50 (1")
- ⑯ HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- ⑰ HOT-MIX ASPHALT SHOULDERS, 2"



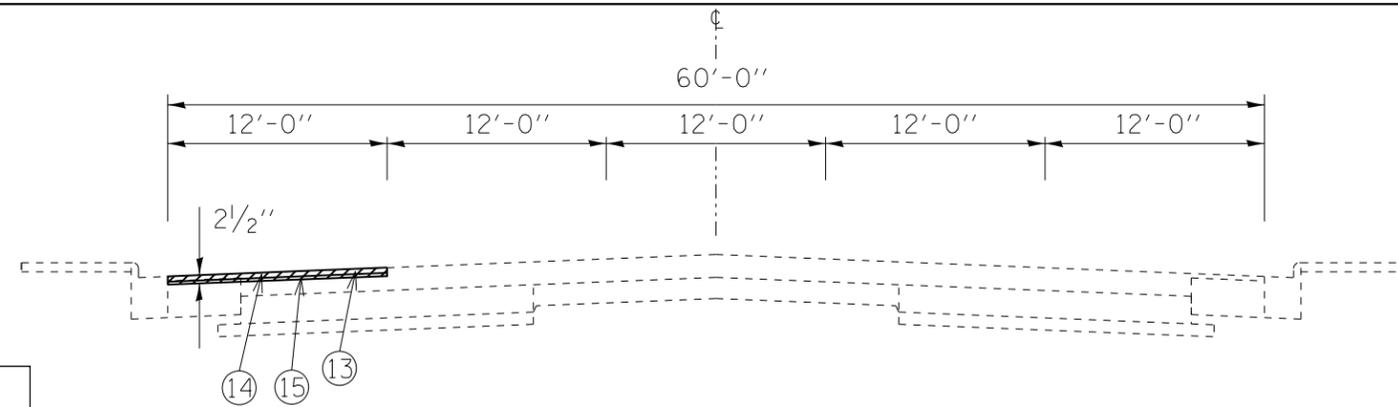
STA. 200+08.00 TO STA. 231+76.00

FILE NAME =	USER NAME = fagentnd	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED STAGING DETAILS STAGE 2 TYPICAL SECTIONS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S:\GEN\WINWORD\STD&PLNS\Squad03\68069	IL 29 Overlay - Creve Coeur\IL 29 Pavement	DRAWN Plan Sheets.dgn	REVISED -					669	IIRS-12	TAZEWELL	42	17
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -	REVISED -		CONTRACT NO. 68069			ILLINOIS FED. AID PROJECT				
PLOT DATE = 2/7/2018	DATE -	REVISED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	

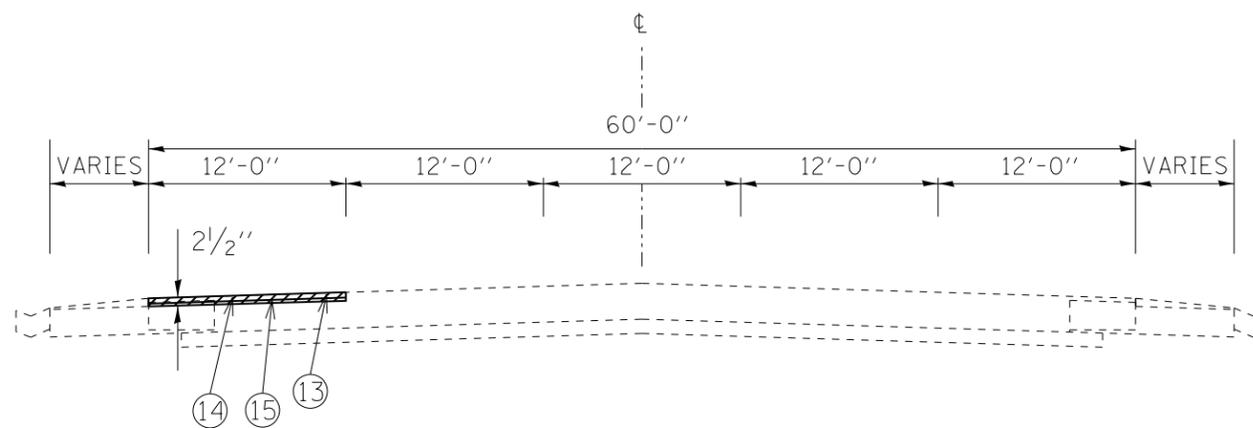
**NOTES:**

1.) NO TRAFFIC (EXCEPT TRAFFIC CROSSING OVER TO AND FROM ENTRANCES AND RAMPS) SHALL BE ALLOWED ON THE MILLED SURFACE OR ON THE PRIMED LEVELING BINDER.

2.) EACH STAGE SHALL BE COMPLETE TO SURFACE COURSE PROPOSED GRADE PRIOR TO PROCEEDING WITH THE NEXT STAGE.



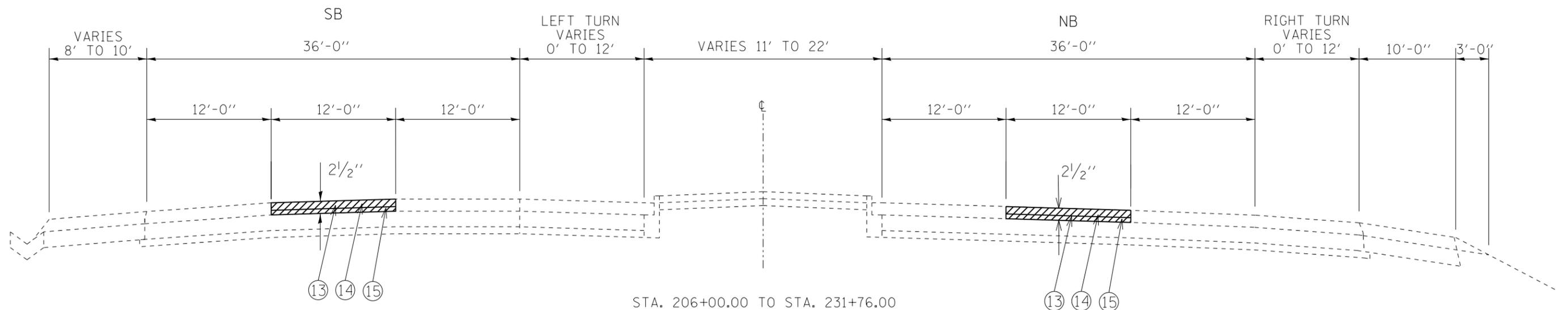
STA. 180+54.00 TO STA. 197+74.03



STA. 197+74.03 TO STA. 200+08.00

**PROPOSED LEGEND:**

- ⑬ HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- ⑭ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70 (1 1/2")
- ⑮ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL4.75, N50 (1")
- ⑯ HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- ⑰ HOT-MIX ASPHALT SHOULDERS, 2"



STA. 206+00.00 TO STA. 231+76.00

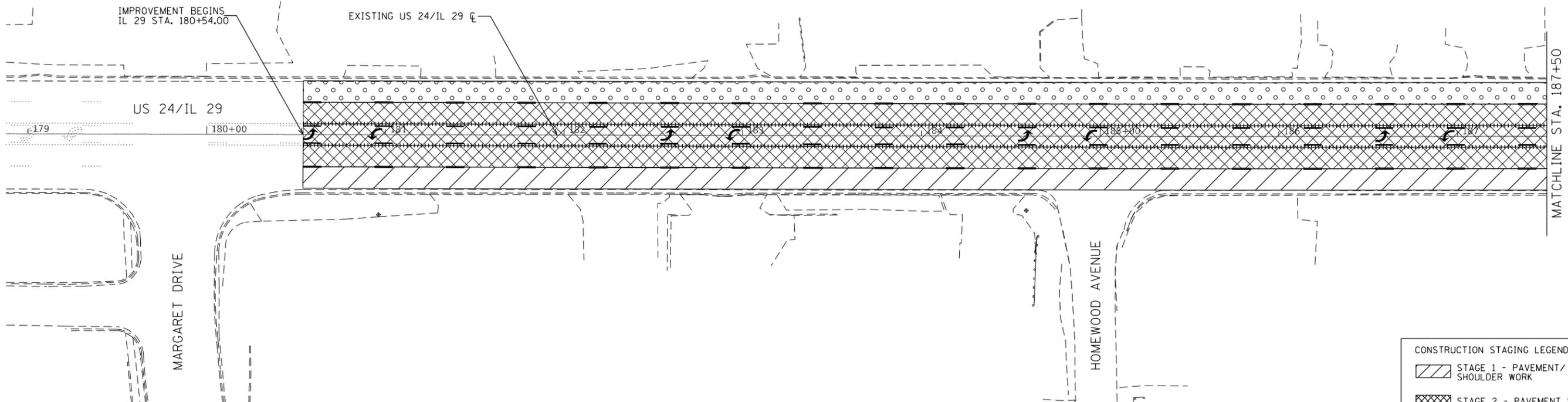
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	PLOT SCALE = 10.0000' / 1"	CHECKED -	REVISED -
	PLOT DATE = 2/7/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED STAGING DETAILS  
STAGE 3 TYPICAL SECTIONS**

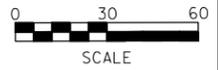
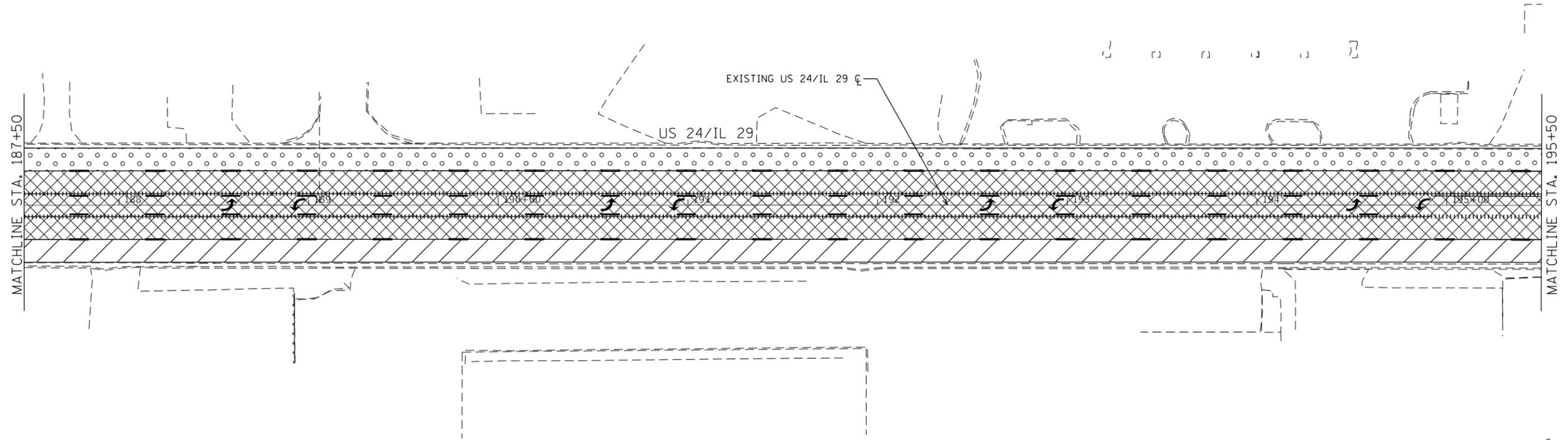
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	IIRS-12	TAZEWELL	42	18
CONTRACT NO. 68069				
ILLINOIS FED. AID PROJECT				



**CONSTRUCTION STAGING LEGEND**

- STAGE 1 - PAVEMENT/ SHOULDER WORK
- STAGE 2 - PAVEMENT WORK
- STAGE 3 - PAVEMENT WORK
- HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL



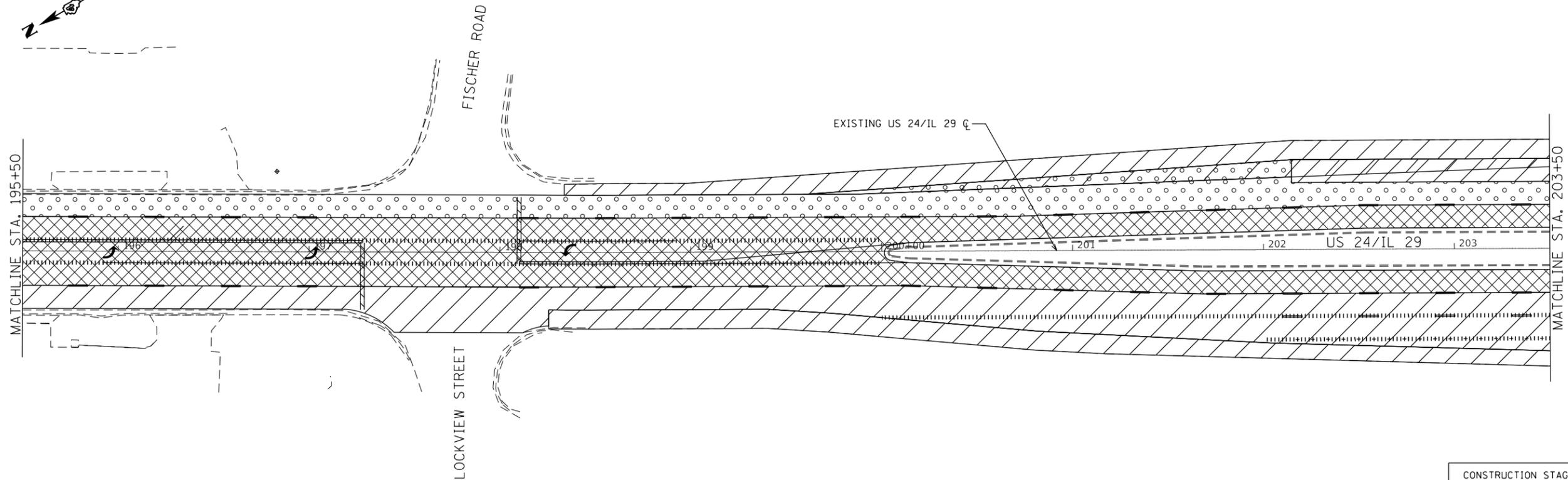
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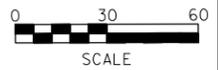
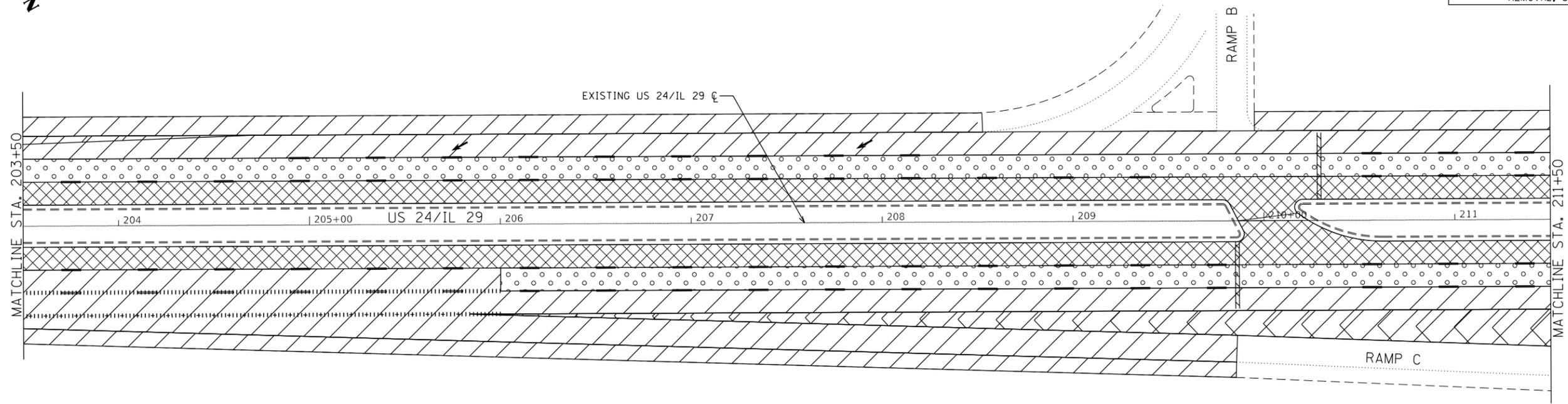
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>IL 29 RESURFACING PROPOSED STAGING DETAILS</b>				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	11RS-12	TAZEWELL	42	19
CONTRACT NO. 68D69				
ILLINOIS FED. AID PROJECT				



CONSTRUCTION STAGING LEGEND	
	STAGE 1 - PAVEMENT / SHOULDER WORK
	STAGE 2 - PAVEMENT WORK
	STAGE 3 - PAVEMENT WORK
	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL



MODEL STAGING  
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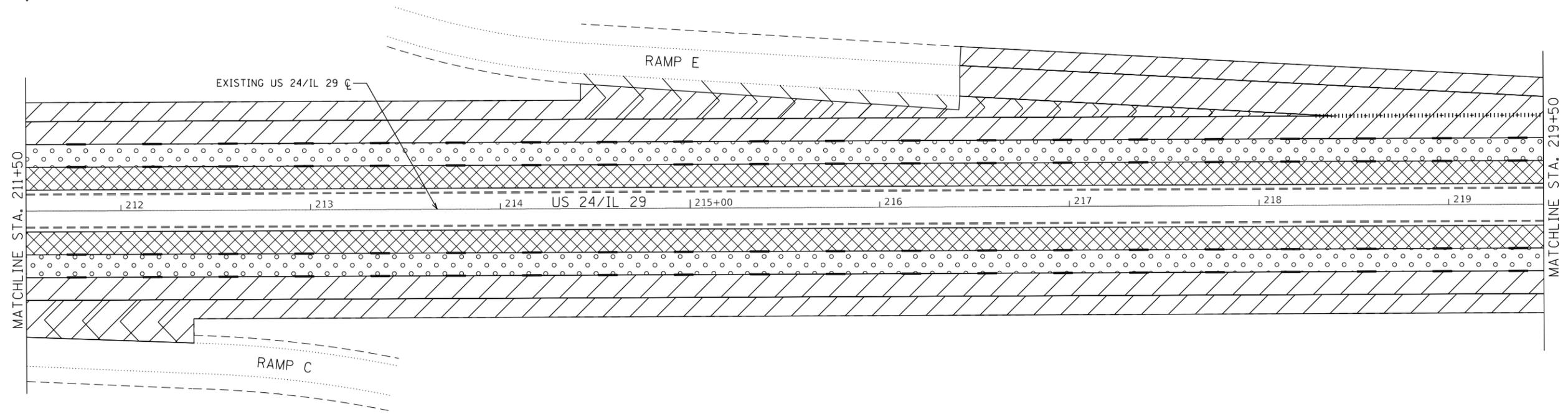
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PLOT DATE = 2/7/2018	DATE -	REVISED -

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

**IL 29 RESURFACING**  
**PROPOSED STAGING DETAILS**

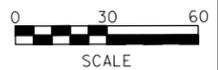
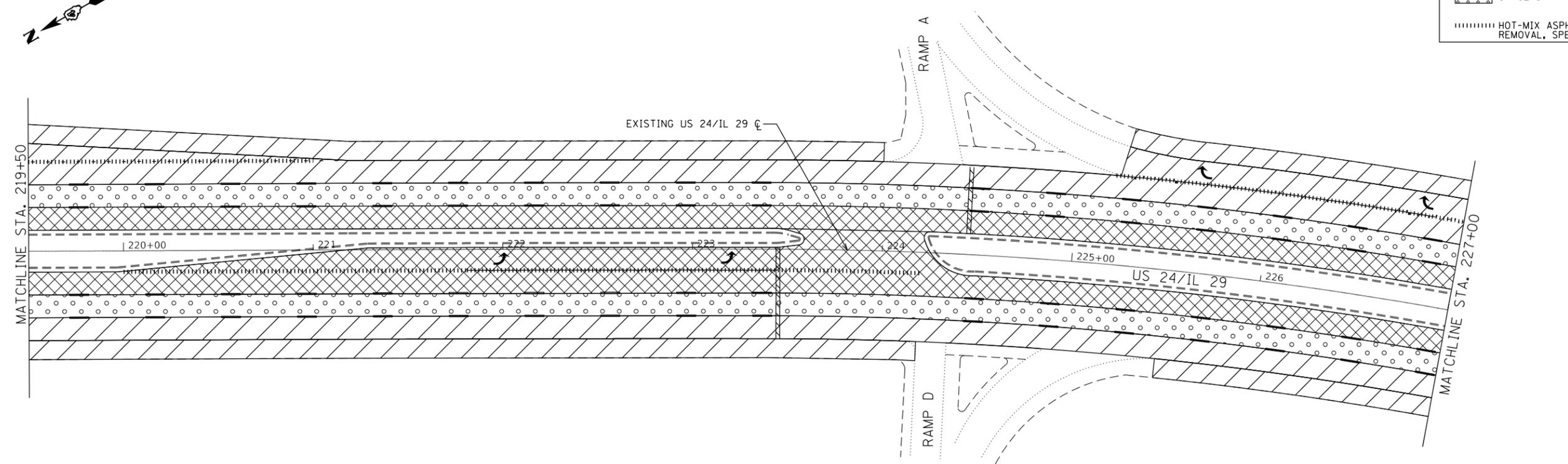
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	11RS-12	TAZEWELL	42	20
CONTRACT NO. 68D69				
ILLINOIS FED. AID PROJECT				



**CONSTRUCTION STAGING LEGEND**

	STAGE 1 - PAVEMENT/ SHOULDER WORK
	STAGE 2 - PAVEMENT WORK
	STAGE 3 - PAVEMENT WORK
	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL



MODEL STAGING  
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	DATE -	REVISED -

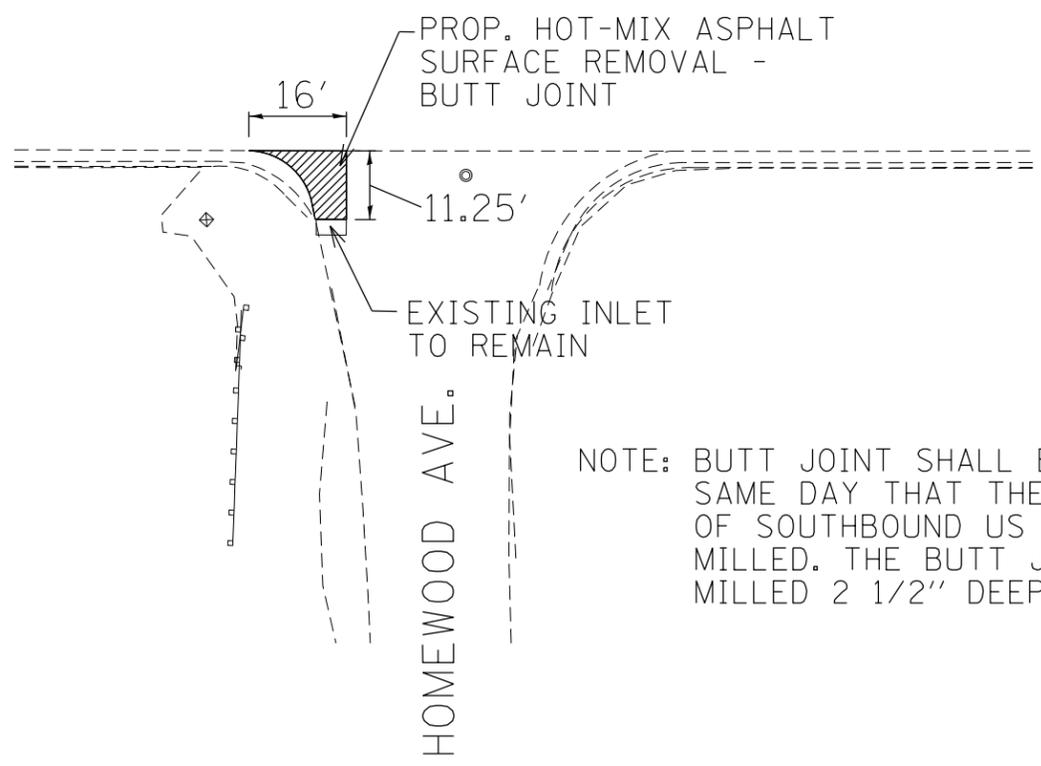
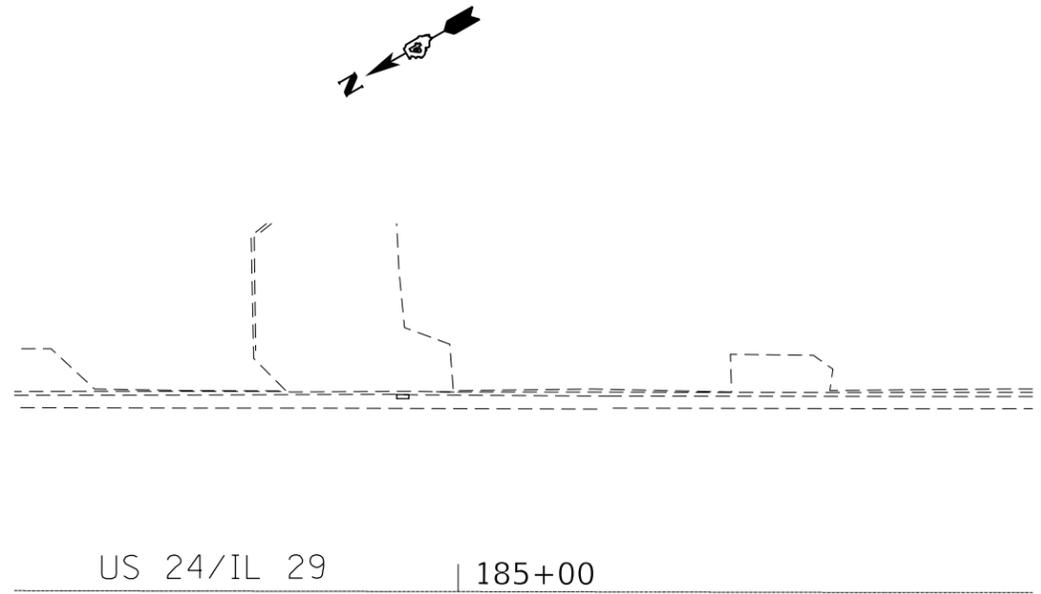
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 29 RESURFACING  
PROPOSED STAGING DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

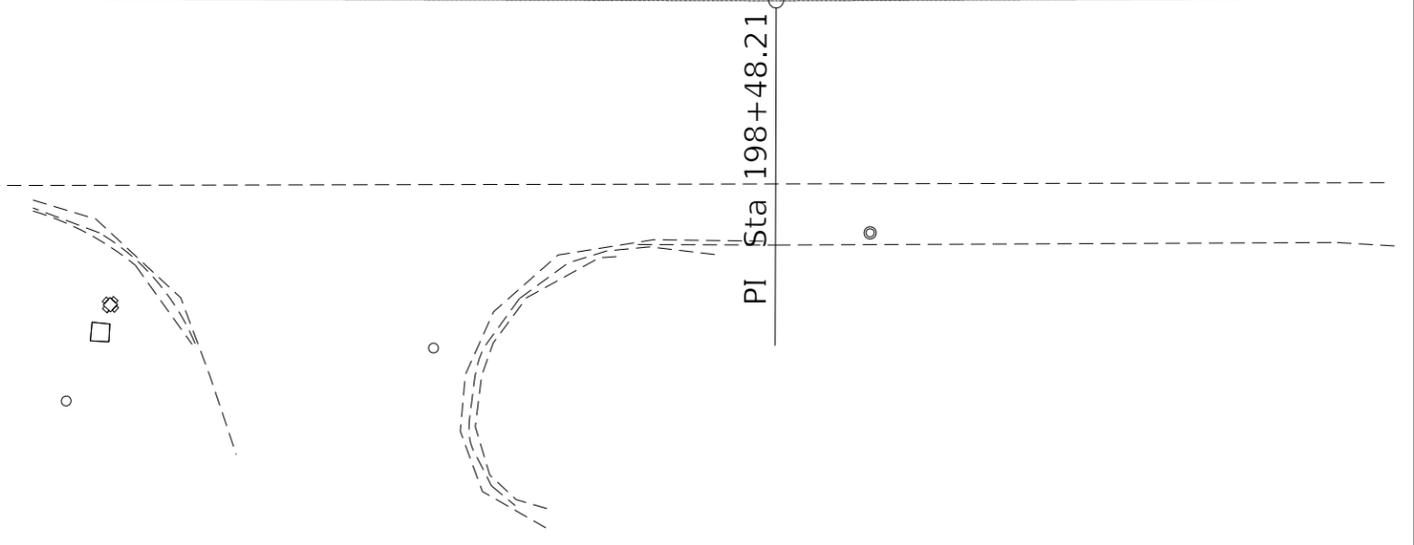
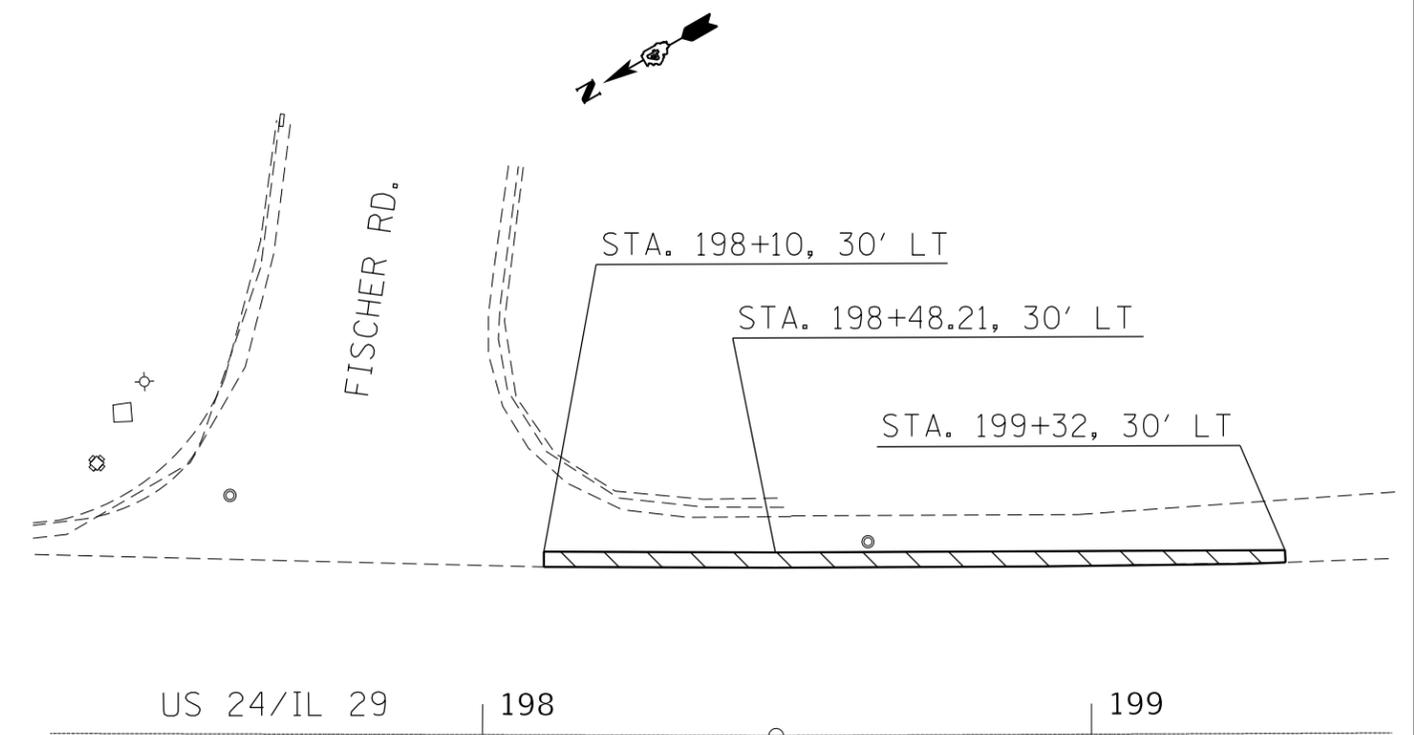
F.A.P. RTE. 669	SECTION 11R5-12	COUNTY TAZEWELL	TOTAL SHEETS 42	SHEET NO. 21
CONTRACT NO. 68D69				
ILLINOIS FED. AID PROJECT				





NOTE: BUTT JOINT SHALL BE MILLED THE SAME DAY THAT THE OUTSIDE LANE OF SOUTHBOUND US 24/IL 29 IS MILLED. THE BUTT JOINT SHALL BE MILLED 2 1/2" DEEP THROUGHOUT.

BUTT JOINT TO PROVIDE TEMPORARY DRAINAGE



LEGEND



LIMITS OF PROP. PCC BASE COURSE WIDENING

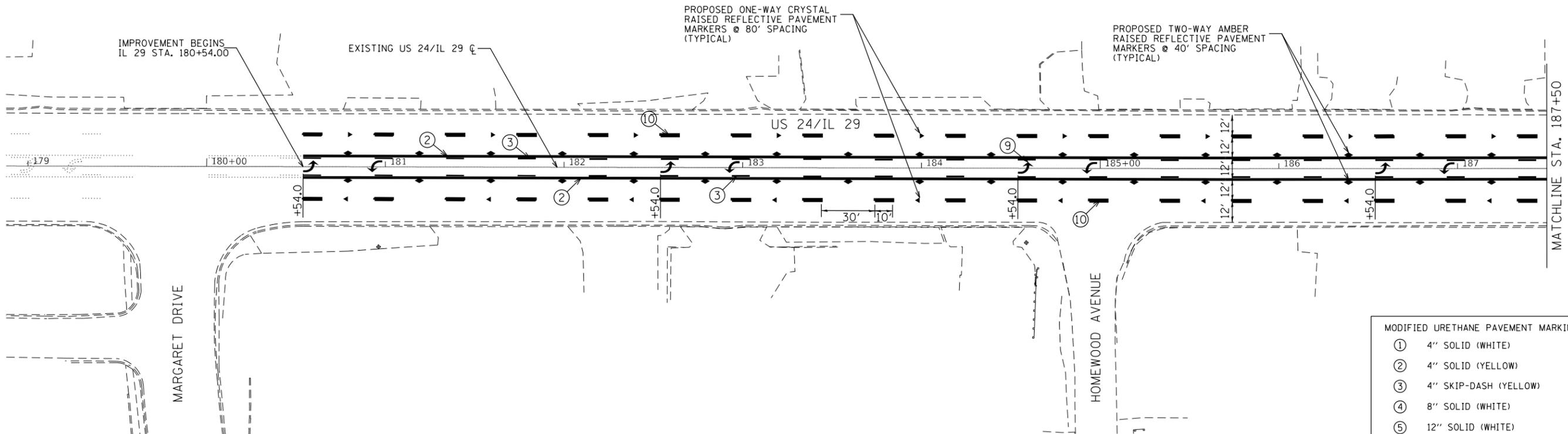
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	11RS-12	TAZEWELL	42	23
CONTRACT NO. 68D69				
ILLINOIS FED. AID PROJECT				

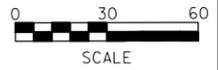
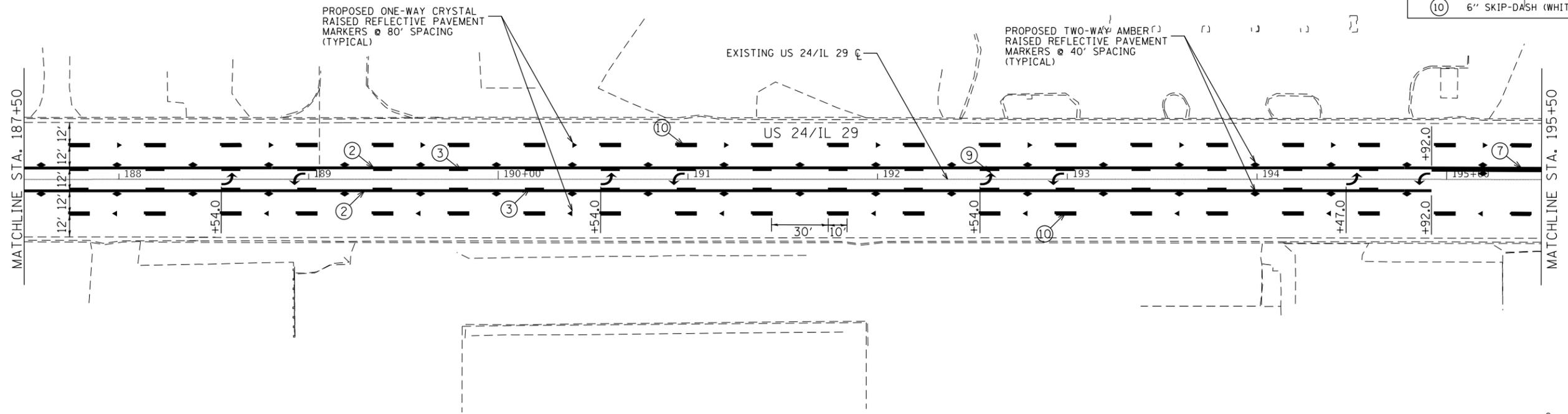


**MODIFIED URETHANE PAVEMENT MARKING LEGEND**

- ① 4" SOLID (WHITE)
- ② 4" SOLID (YELLOW)
- ③ 4" SKIP-DASH (YELLOW)
- ④ 8" SOLID (WHITE)
- ⑤ 12" SOLID (WHITE)
- ⑥ 24" SOLID (WHITE)
- ⑦ 4" DOUBLE SOLID (YELLOW)
- ⑧ 8" DOTTED (WHITE)
- ⑨ LETTERS AND SYMBOLS (WHITE)

**PERFORMED PLASTIQ PAVEMENT MARKING LEGEND**

- ⑩ 6" SKIP-DASH (WHITE)



MODEL: \\MODELS\NAME\FILES

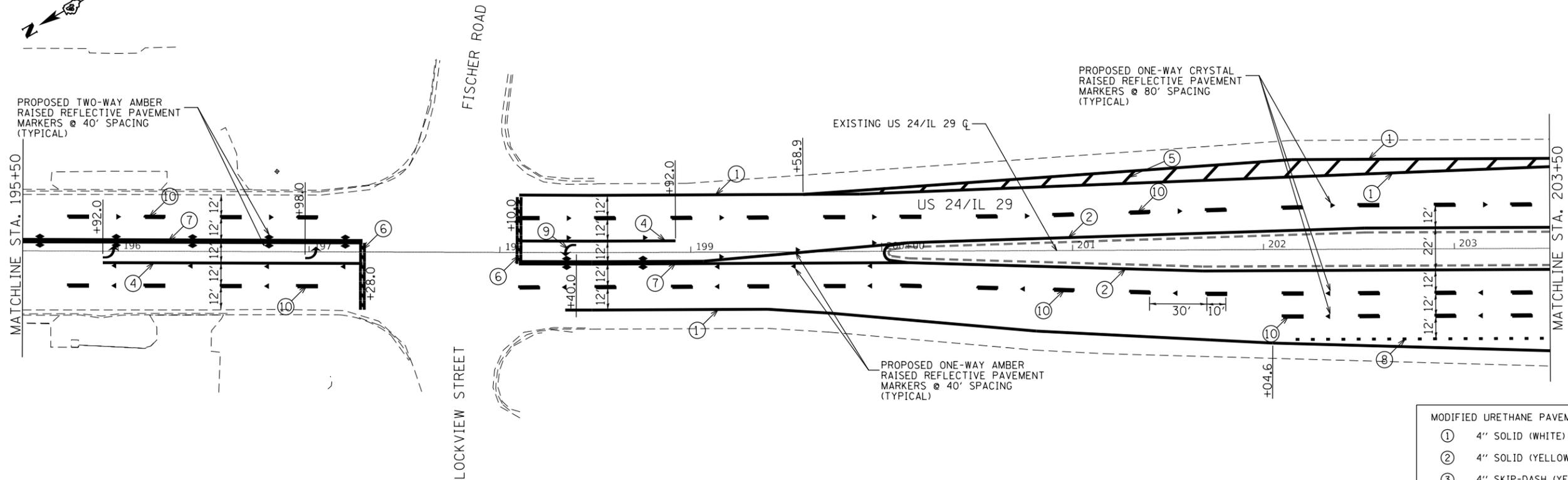
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	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 29 RESURFACING  
PAVEMENT MARKING DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	11RS-12	TAZEWELL	42	24
CONTRACT NO. 68D69				
ILLINOIS		FED. AID PROJECT		

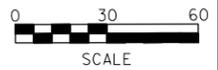
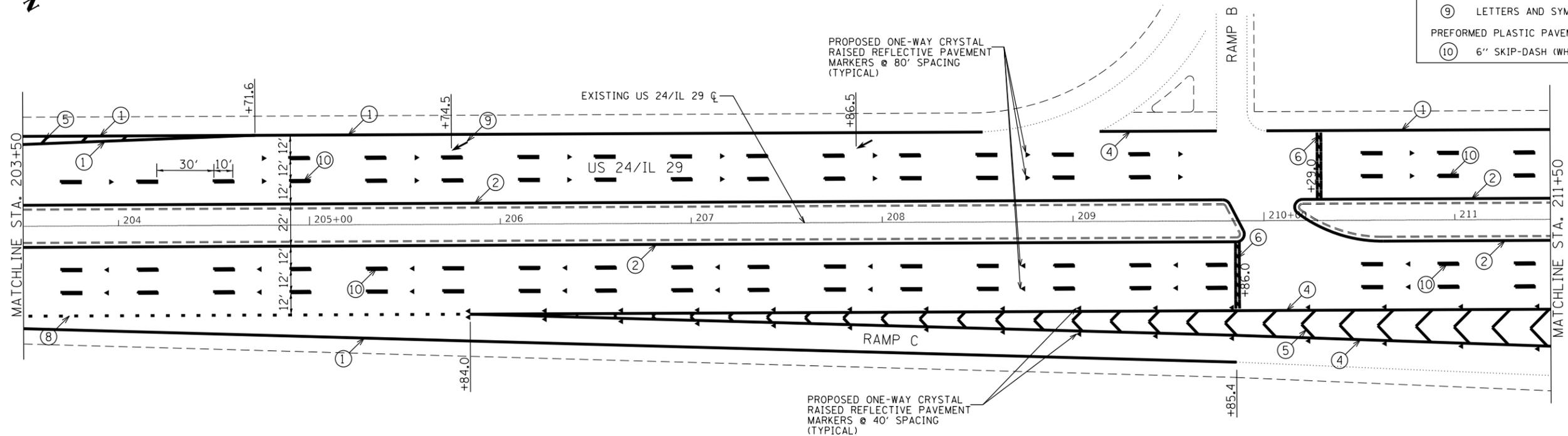


**MODIFIED URETHANE PAVEMENT MARKING LEGEND**

- ① 4" SOLID (WHITE)
- ② 4" SOLID (YELLOW)
- ③ 4" SKIP-DASH (YELLOW)
- ④ 8" SOLID (WHITE)
- ⑤ 12" SOLID (WHITE)
- ⑥ 24" SOLID (WHITE)
- ⑦ 4" DOUBLE SOLID (YELLOW)
- ⑧ 8" DOTTED (WHITE)
- ⑨ LETTERS AND SYMBOLS (WHITE)

**PREFORMED PLASTIC PAVEMENT MARKING LEGEND**

- ⑩ 6" SKIP-DASH (WHITE)



MODEL: \\MODELS\NAME FILES\NAME.PLT

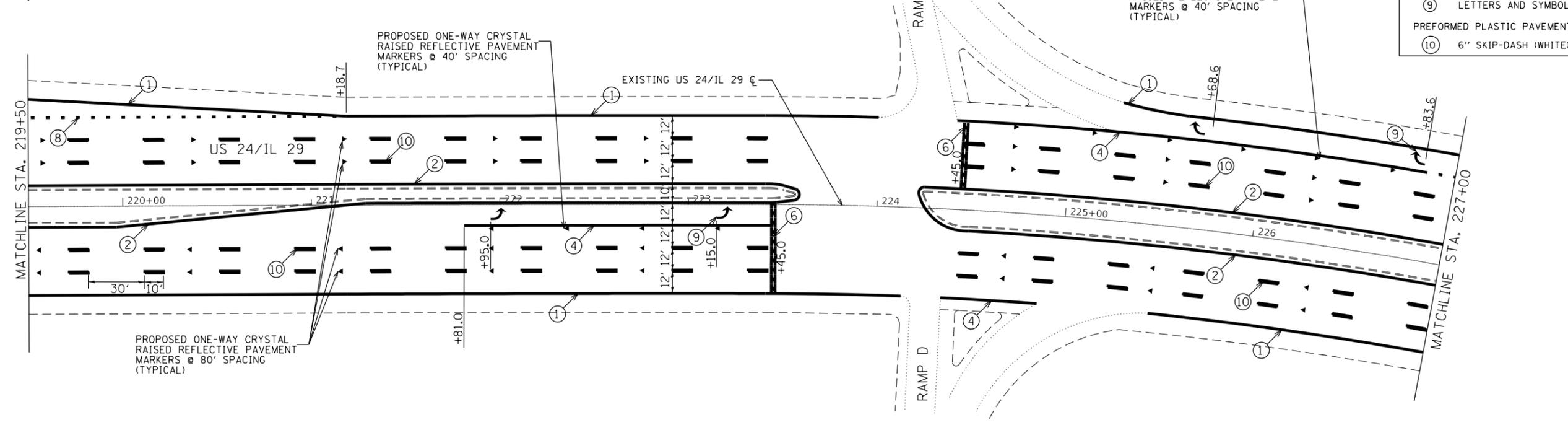
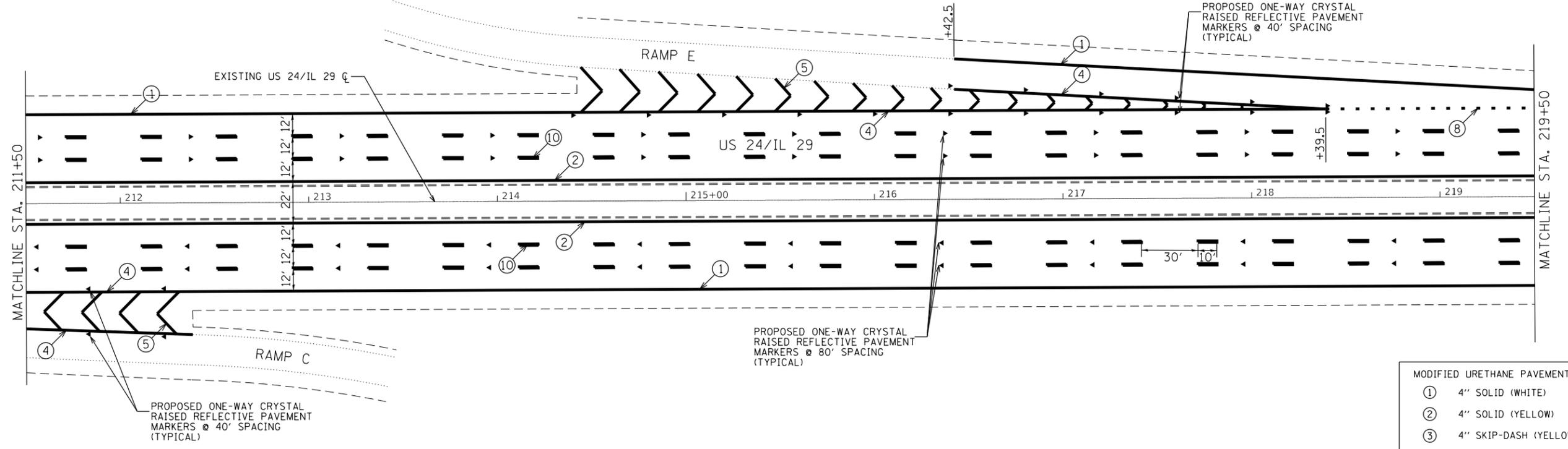
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PLOT DATE = \$DATE\$	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 29 RESURFACING  
PAVEMENT MARKING DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	11R5-12	TAZEWELL	42	25
CONTRACT NO. 68D69				
ILLINOIS FED. AID PROJECT				

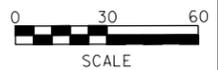


**MODIFIED URETHANE PAVEMENT MARKING LEGEND**

- ① 4" SOLID (WHITE)
- ② 4" SOLID (YELLOW)
- ③ 4" SKIP-DASH (YELLOW)
- ④ 8" SOLID (WHITE)
- ⑤ 12" SOLID (WHITE)
- ⑥ 24" SOLID (WHITE)
- ⑦ 4" DOUBLE SOLID (YELLOW)
- ⑧ 8" DOTTED (WHITE)
- ⑨ LETTERS AND SYMBOLS (WHITE)

**PREFORMED PLASTIC PAVEMENT MARKING LEGEND**

- ⑩ 6" SKIP-DASH (WHITE)



MODEL: \\MODELS\NAME\FILES

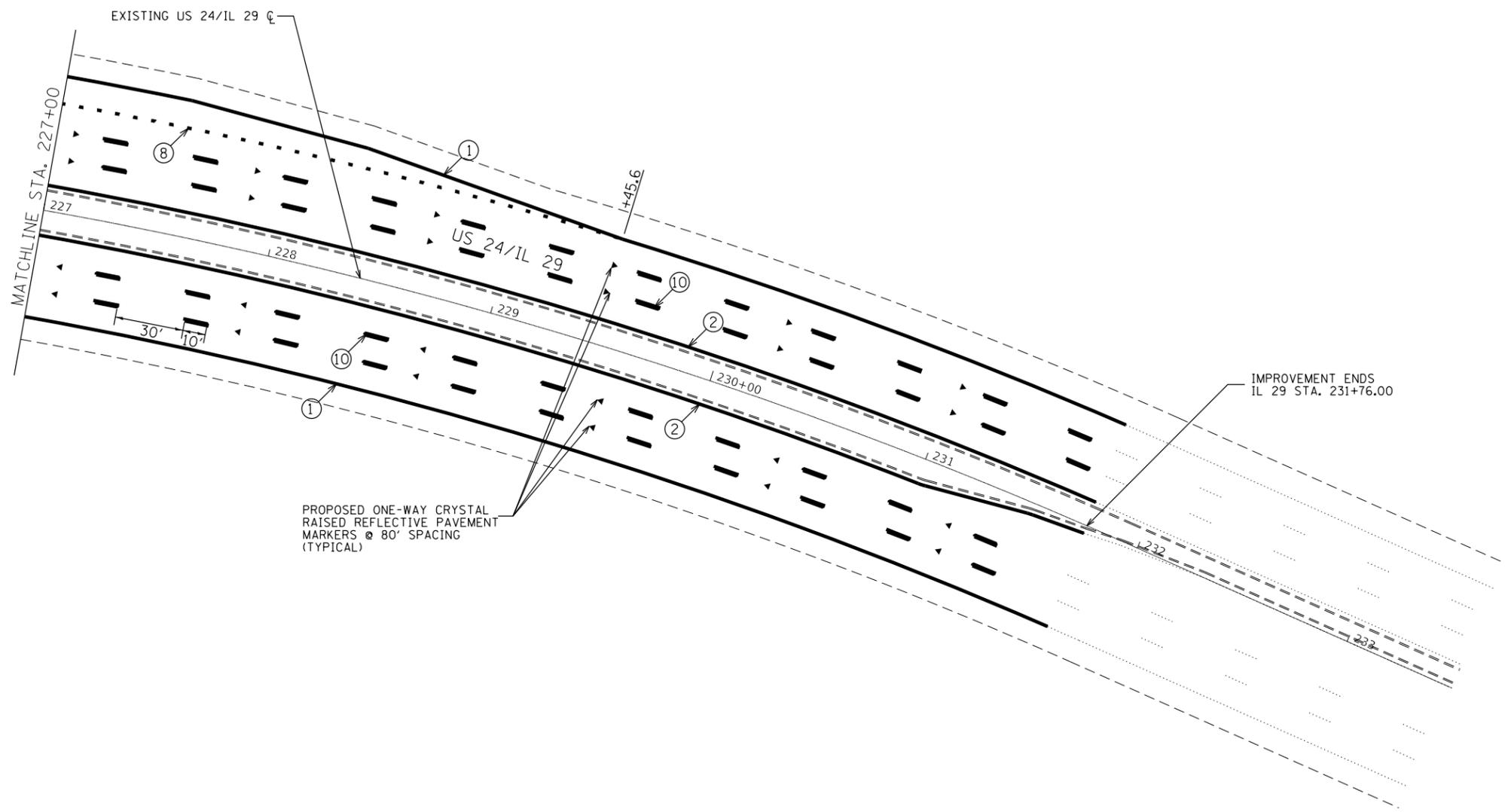
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 29 RESURFACING  
PAVEMENT MARKING DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	11R5-12	TAZEWELL	42	26
CONTRACT NO. 68D69				
ILLINOIS FED. AID PROJECT				

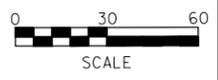


MODIFIED URETHANE PAVEMENT MARKING LEGEND

- ① 4" SOLID (WHITE)
- ② 4" SOLID (YELLOW)
- ③ 4" SKIP-DASH (YELLOW)
- ④ 8" SOLID (WHITE)
- ⑤ 12" SOLID (WHITE)
- ⑥ 24" SOLID (WHITE)
- ⑦ 4" DOUBLE SOLID (YELLOW)
- ⑧ 8" DOTTED (WHITE)
- ⑨ LETTERS AND SYMBOLS (WHITE)

PREFORMED PLASTIC PAVEMENT MARKING LEGEND

- ⑩ 6" SKIP-DASH (WHITE)



MODEL: \\MODELS\NAME\FILES\NAME.DWG

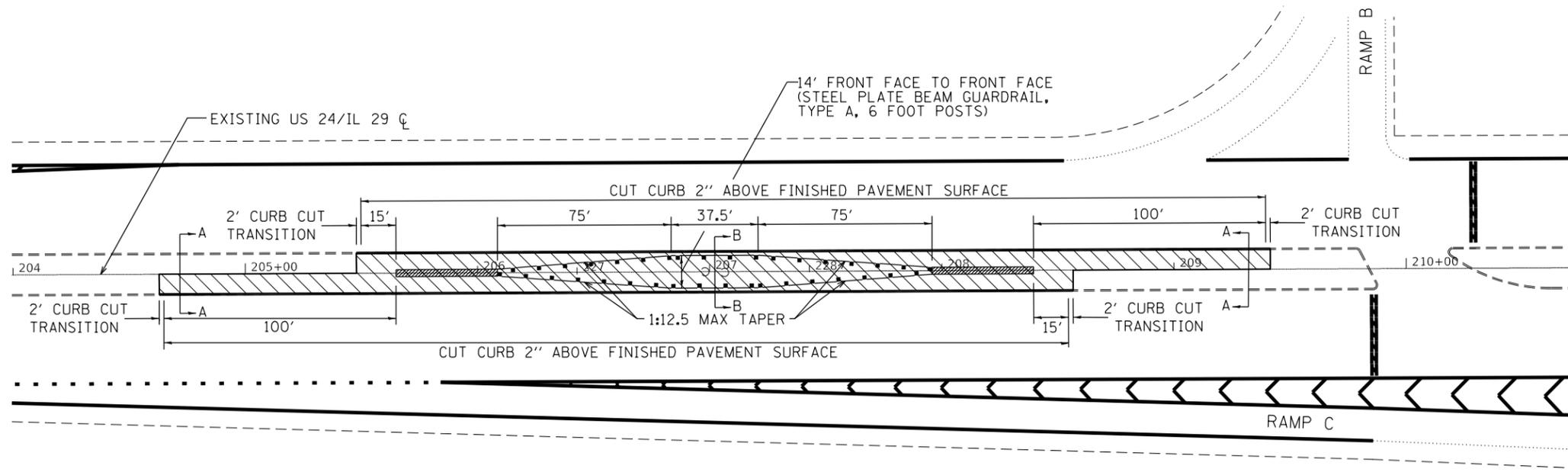
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 29 RESURFACING  
PAVEMENT MARKING DETAILS**

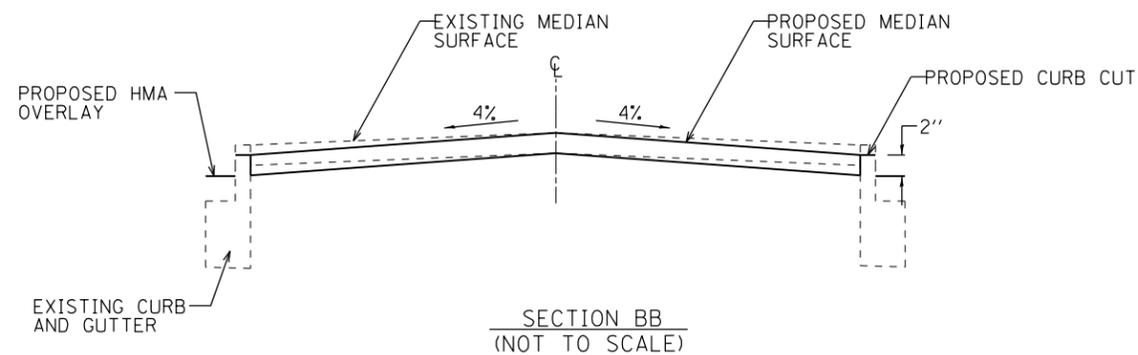
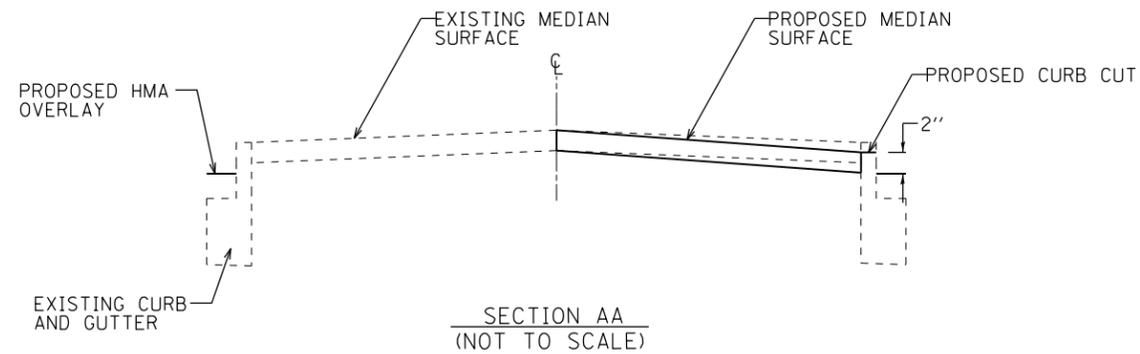
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	11RS-12	TAZEWELL	42	27
CONTRACT NO. 68D69				
ILLINOIS FED. AID PROJECT				



MEDIAN GUARDRAIL DETAIL  
SIGN TRUSS FOUNDATION AT STA. 207+00

MEDIAN GUARDRAIL LEGEND	
	PROPOSED IMPACT ATTENUATORS (PARTIALLY REDIRECTIVE), TEST LEVEL 3
	PROPOSED MEDIAN SURFACE REMOVAL AND HOT-MIX ASPHALT MEDIAN SURFACE, 4 INCH
	PROPOSED STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS



- NOTES:**
- 1.) A MINIMUM OF 38 INCHES SHALL BE MAINTAINED BETWEEN THE BACK OF THE STEEL PLATE BEAM GUARDRAIL TYPE A POSTS AND THE FIXED OBJECT BEING PROTECTED.
  - 2.) THE EXISTING SUBGRADE BENEATH THE PROPOSED MEDIAN SURFACE SHALL BE GRADED TO ALLOW THE PROPOSED MEDIAN SURFACE TO MATCH THE NEW CURB HEIGHT. GRADING AND REMOVAL AND DISPOSAL OF EXCAVATED MATERIAL SHALL BE INCLUDED IN THE COST OF THE PROPOSED MEDIAN SURFACE.
  - 3.) LEAVE-OUTS FOR GUARDRAIL POSTS SHALL BE PROVIDED AS DETAILED IN THE HIGHWAY STANDARD 630001-12. THE COST FOR THE LEAVE-OUTS SHALL BE INCLUDED IN THE COST OF THE GUARDRAIL.

MODEL: DETAILS 1  
FILE NAME: S:\CEN\WORK\ORDSTDEP\PLUS\5000368DD9 IL 29 Overlay - Crave Cove\IL 29 Pavement Marking Plan Sheets.dgn

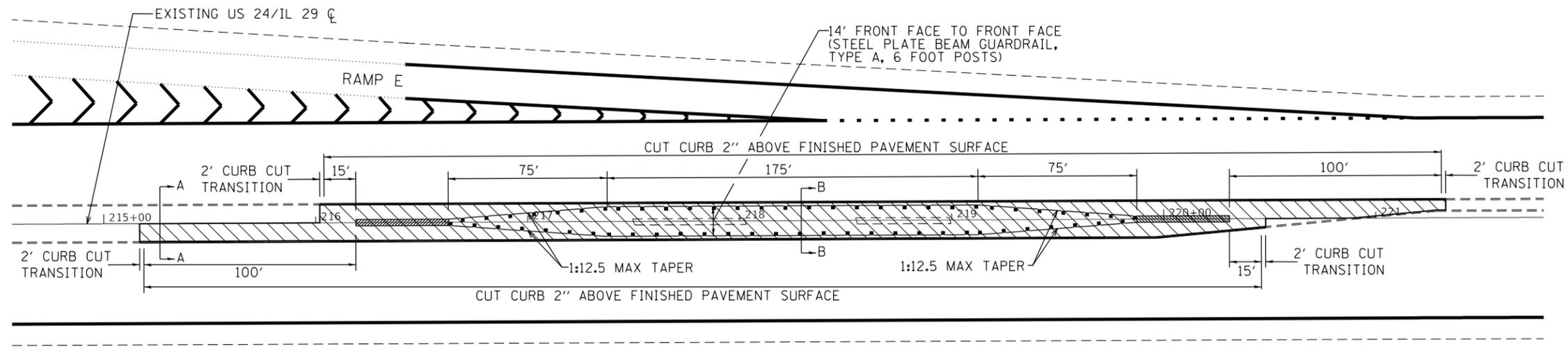
USER NAME = fayantnd	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 60.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/7/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 29 RESURFACING  
MEDIAN DETAILS**

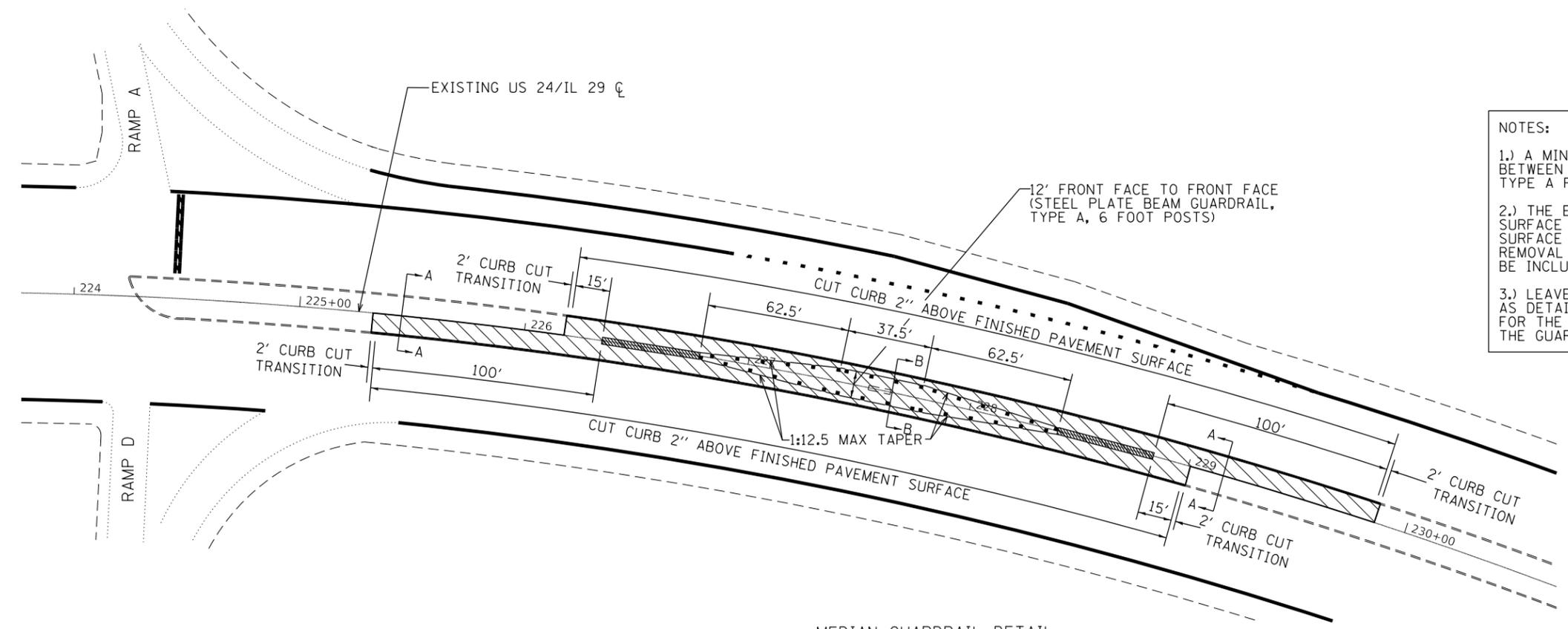
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	11RS-12	TAZEWELL	42	28
CONTRACT NO. 68D69				
ILLINOIS FED. AID PROJECT				



MEDIAN GUARDRAIL DETAIL  
BRIDGE PIERS AT STA. 218+00 AND 219+00

MEDIAN GUARDRAIL LEGEND	
	PROPOSED IMPACT ATTENUATORS (PARTIALLY REDIRECTIVE), TEST LEVEL 3
	PROPOSED MEDIAN SURFACE REMOVAL AND HOT-MIX ASPHALT MEDIAN SURFACE, 4 INCH
	PROPOSED STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS



MEDIAN GUARDRAIL DETAIL  
SIGN TRUSS FOUNDATION AT STA. 227+55

- NOTES:
- 1.) A MINIMUM OF 38 INCHES SHALL BE MAINTAINED BETWEEN THE BACK OF THE STEEL PLATE BEAM GUARDRAIL TYPE A POSTS AND THE FIXED OBJECT BEING PROTECTED.
  - 2.) THE EXISTING SUBGRADE BENEATH THE PROPOSED MEDIAN SURFACE SHALL BE GRADED TO ALLOW THE PROPOSED MEDIAN SURFACE TO MATCH THE NEW CURB HEIGHT. GRADING AND REMOVAL AND DISPOSAL OF EXCAVATED MATERIAL SHALL BE INCLUDED IN THE COST OF THE PROPOSED MEDIAN SURFACE.
  - 3.) LEAVE-OUTS FOR GUARDRAIL POSTS SHALL BE PROVIDED AS DETAILED IN THE HIGHWAY STANDARD 630001-12. THE COST FOR THE LEAVE-OUTS SHALL BE INCLUDED IN THE COST OF THE GUARDRAIL.

MODEL DETAIL 1  
FILE NAME: S:\CEN\WORK\ORD\STDP\PLUS\55\2018\03\68D69 IL 29 Overlay - Crave Cove\IL 29 Pavement Marking Plan Sheets.dgn

USER NAME = fayantnd	DESIGNED -	REVISED -
PLOT SCALE = 60.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 2/7/2018	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 29 RESURFACING  
MEDIAN DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	11RS-12	TAZEWELL	42	29
CONTRACT NO. 68D69				
ILLINOIS FED. AID PROJECT				

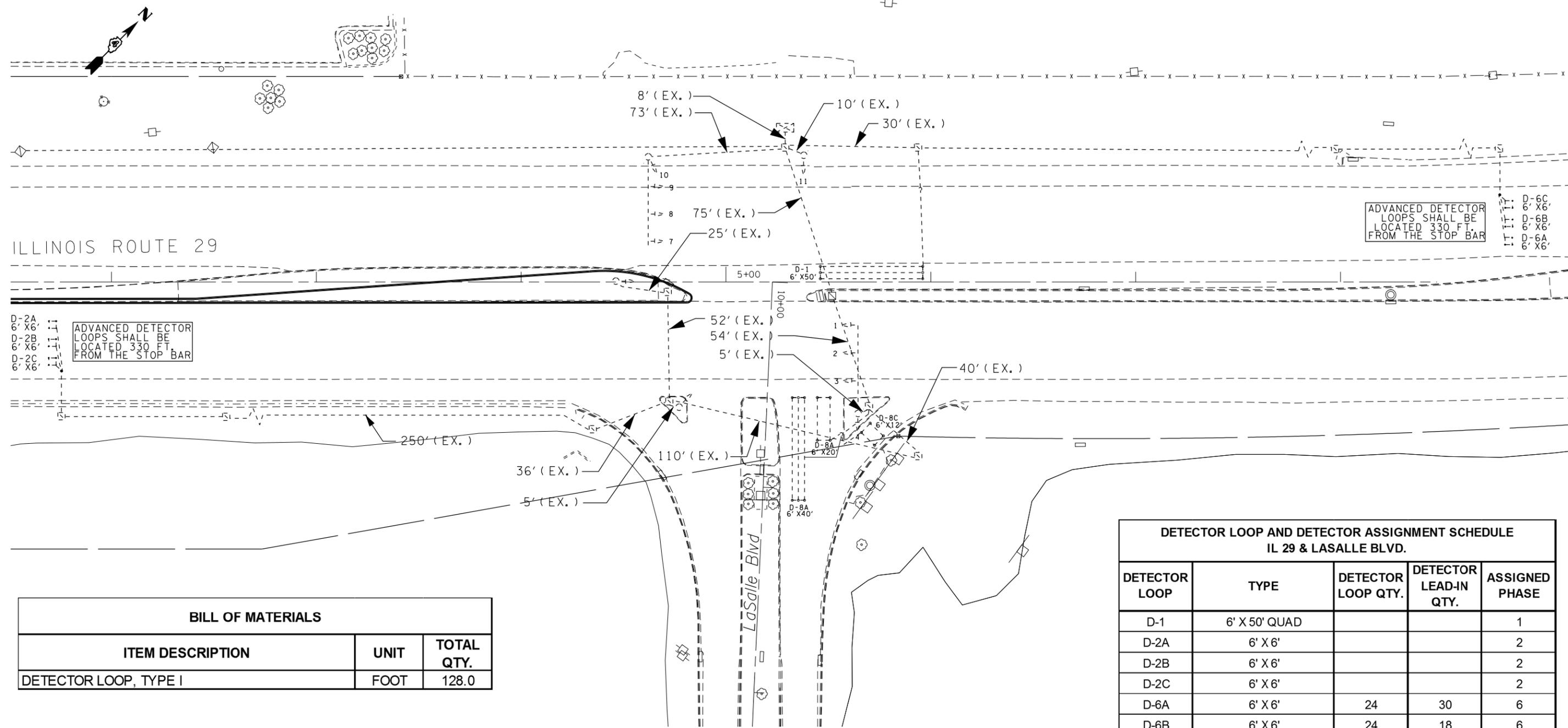
CONSTRUCTION NOTES

1. ALL TRAFFIC SIGNAL SECTIONS SHALL HAVE 12" SINGLE LED LENSES.
2. ALL TRAFFIC SIGNAL HEAD BRACKETS ARE TO BE GALVANIZED STEEL.
3. ALL TRAFFIC SIGNAL POSTS ARE TO BE GALVANIZED STEEL.
4. A TYPE II SPLICE SHALL BE USED FOR ALL DETECTOR LEAD-INS.
5. THE PROPOSED DETECTOR LOOPS SHALL BE CUT IN THE EXISTING PAVEMENT, MILLED SURFACE, OR BINDER COURSE BEFORE THE FINAL OVERLAY. THE RISER AREA SHALL BE CHIPPED OUT AND FILLED WITH EPOXY. THIS WORK SHALL BE INCLUDED IN PRICE FOR DETECTOR LOOPS.
6. ALL DETECTOR LOOPS SHALL BE INSTALLED IN THE CENTER OF THEIR RESPECTIVE TRAVEL LANES. THE ENGINEER OF TRAFFIC SHALL BE NOTIFIED FOR VERIFICATION OF DETECTOR PLACEMENT BEFORE INSTALLATION.
7. PROPOSED HANDHOLES SHALL BE CAST IN PLACE CONCRETE HANDHOLES.
8. THE HANDHOLE SHALL BE CONSTRUCTED SO THAT THE TOP OF THE FRAME WILL BE FLUSH WITH THE SURFACE OF THE MEDIAN, SIDEWALK, OR GROUND LINE.
9. THE LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY TRAFFIC SIGNAL COMPONENTS.
10. COILABLE POLYETHYLENE DUCT MAY BE SUBSTITUTED FOR PVC PUSHED OR TRENCHED.
11. ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATION.
12. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2 FT. MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
13. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THIS COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICES FOR THE CONDUITS.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING DEPARTMENT LIGHTING, ITS, AND TRAFFIC SIGNAL FACILITIES. THIS WORK SHALL BE INCLUDED IN THE CONTRACT BID PRICE.
15. THE PROPOSED CONDUIT SHALL BE COUPLED TO THE EXISTING CONDUIT. THE COST OF THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE PROPOSED CONDUIT PAY ITEMS.
16. THE COST OF ADJUSTING THE DETECTOR LOOP RISERS FOR THE PROPOSED DETECTOR LOOPS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE DETECTOR LOOP PAY ITEM.
17. THE EXISTING TRAFFIC SIGNALS SHALL REMAIN IN OPERATION DURING THE CONSTRUCTION OF THE PROPOSED TRAFFIC SIGNALS.
18. ANY MAINTENANCE OF EXISTING TRAFFIC SIGNALS WILL BE CONSIDERED EXTRA WORK IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

SCHEDULE OF QUANTITIES - TRAFFIC SIGNALS AND OVERHEAD LIGHTING							
ITEM DESCRIPTION	UNIT	TOTAL QTY.	IL 29 & LASALLE BLVD	IL 29 & I-474 WB RAMPS B & C	IL 29 & I-474 EB RAMPS A & D	IL 29 & FISHER RD	OVERHEAD LIGHTING
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1.0					1.0
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	187.5			187.5		
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	2.0			2.0		
DETECTOR LOOP, TYPE I	FOOT	1479.0	128.0	342.0	468.0	541.0	
REBUILD EXISTING SIGNAL HEAD, LED	EACH	2.0			2.0		
MODIFY EXISTING CONTROLLER CABINET	EACH	1.0			1.0		
RELOCATE EXISTING CCTV CAMERAS	LSUM	1.0				1.0	
RELOCATE EXISTING LIGHT POLE WITH LUMINAIRE	EACH	1.0					1.0

NOT TO SCALE  
TRAFFIC SIGNALS  
SHEET 1 OF 7

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC SIGNAL CONSTRUCTION NOTES AND SCHEDULE OF QUANTITIES</b>	F.A.P. RTE. *	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*FILEL\$	DRAWN -	REVISED -	669			11RS-12	TAZEWELL	42	30	
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -	(US 24)			CONTRACT NO. 68D69				
PLOT DATE = \$DATE\$	DATE -	REVISED -	(IL 29)			ILLINOIS FED. AID PROJECT				
					SCALE:	STA.	TO STA.			



BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
DETECTOR LOOP, TYPE I	FOOT	128.0

TRAFFIC SIGNAL LEGEND

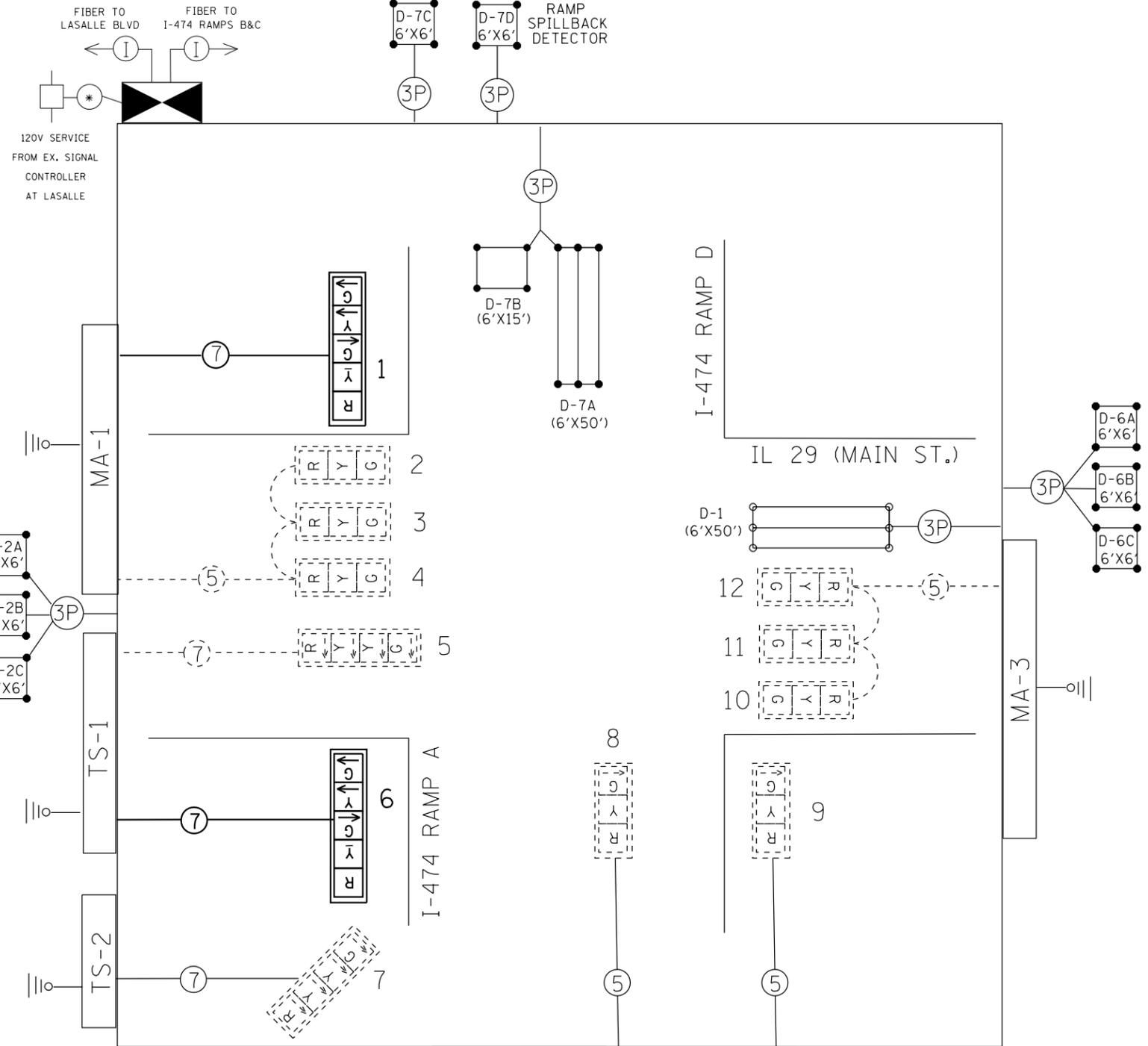
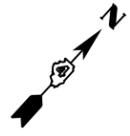
	EX. HANDHOLE
	EX. CONDUIT
	EX. DETECTOR LOOP (QUAD)
	EX. DETECTOR LOOP (6' X 6')
	EX. CONTROLLER CABINET (SIGNAL)
	EX. TRAFFIC SIGNAL HEAD
	EX. SIGNAL HEAD W/ BACKPLATE
	EX. STL MAST ARM ASSEMBLY
	EX. BATTERY BACKUP SYSTEM

DETECTOR LOOP AND DETECTOR ASSIGNMENT SCHEDULE IL 29 & LASALLE BLVD.				
DETECTOR LOOP	TYPE	DETECTOR LOOP QTY.	DETECTOR LEAD-IN QTY.	ASSIGNED PHASE
D-1	6' X 50' QUAD			1
D-2A	6' X 6'			2
D-2B	6' X 6'			2
D-2C	6' X 6'			2
D-6A	6' X 6'	24	30	6
D-6B	6' X 6'	24	18	6
D-6C	6' X 6'	24	8	6
D-8A	6' X 40' QUAD			8
D-8B	6' X 20'			8
D-8C	6' X 12'			8
<b>TOTAL:</b>		<b>72</b>	<b>56</b>	

NOT TO SCALE  
TRAFFIC SIGNALS  
SHEET 2 OF 7

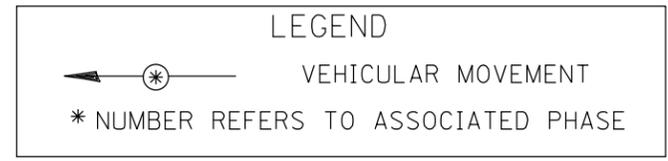
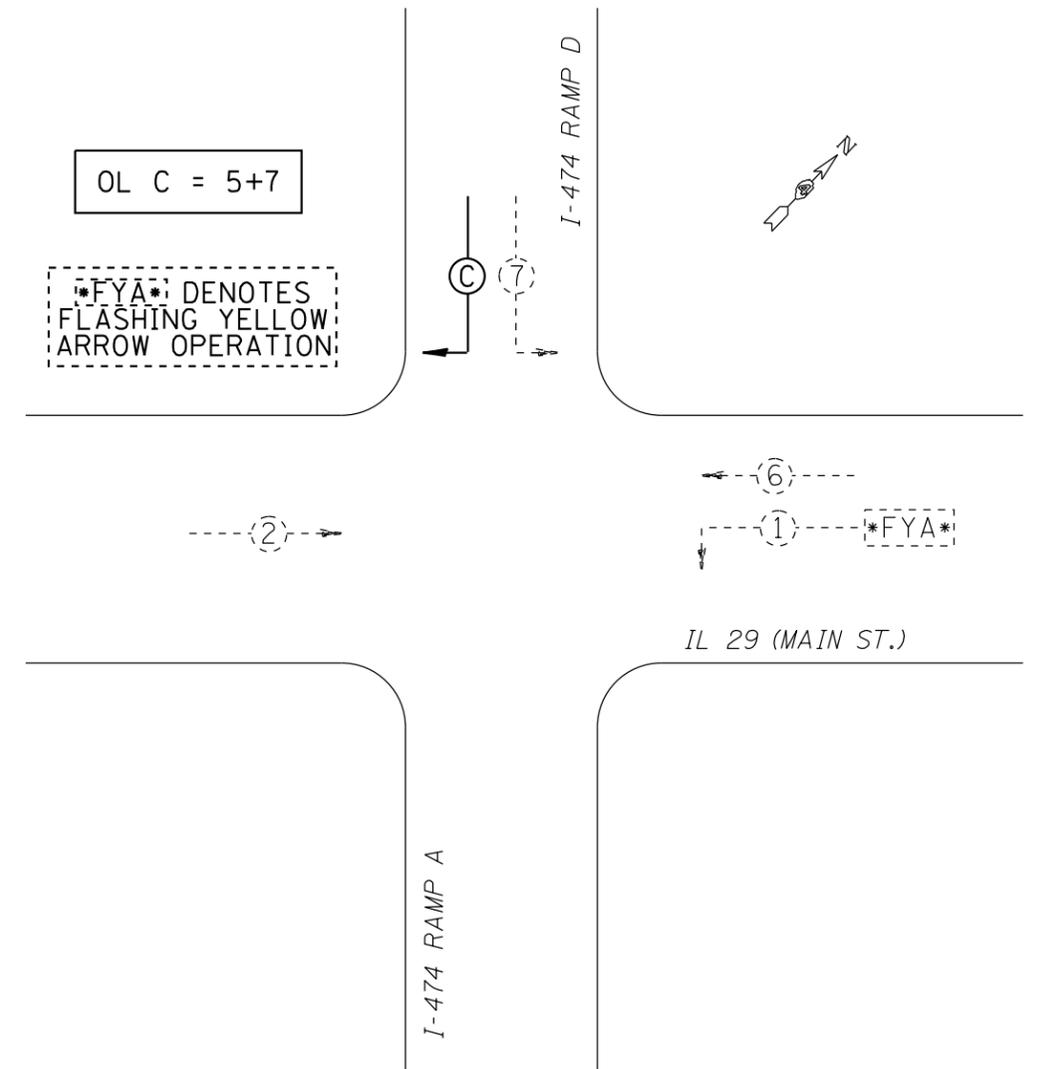






PROPOSED PHASE DIAGRAM

NAME OF INTERSECTION IL 29 (MAIN) & I-474 RAMPS A & D  
 EXISTING CONTROLLER: ECONOLITE ASC/3 (TS-2 TYPE 2) IN  
TYPE IV CABINET, TS-2 BACKPANEL, 16 POS.



TRAFFIC SIGNALS LEGEND

	EX. CONTROLLER (SIGNAL)		EX. #18 3-PR DETECTOR LOOP CABLE		EX. DETECTOR LOOP (6'X6')
	EX. 3 SEC. SIGNAL HEAD W/BACKPLATE		EX. 5/C NO. 14 SIGNAL CABLE		EX. DETECTOR LOOP (QUADRAPOLE)
	PROP. 3 SEC. SIGNAL HEAD W/BACKPLATE		EX. 7/C NO. 14 SIGNAL CABLE		EX. SERVICE INSTALLATION
	EX. GROUND/SAFETY BOND		PROP. 7/C NO. 14 SIGNAL CABLE		

NOT TO SCALE  
 TRAFFIC SIGNALS  
 SHEET 5 OF 7



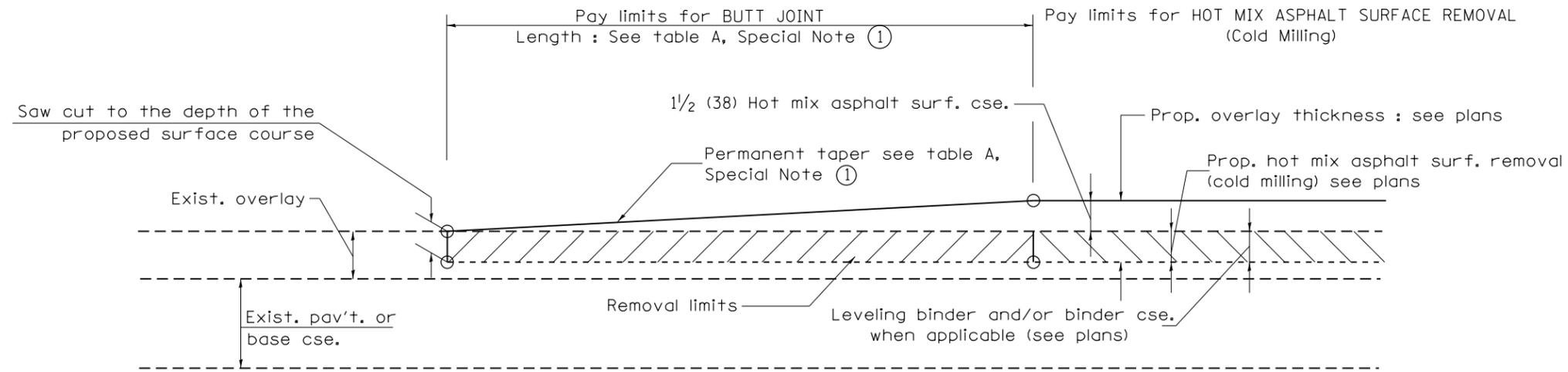
4/2014

BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1.0
RELOCATE EXISTING LIGHT POLE WITH LUMINAIRE	EACH	1.0



NOT TO SCALE  
TRAFFIC SIGNALS  
SHEET 7 OF 7

FILE NAME =	USER NAME = \$USER*	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING LIGHT POLE RELOCATION IL 29 (MAIN ST.) - CREVE COEUR</b>	F.A.P. RTE. *	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
*FILEL*		DRAWN -	REVISED -			669 (US 24) (IL 29)	11RS-12	TAZEWELL	42	36	
	PLOT SCALE = \$SCALE*	CHECKED -	REVISED -			CONTRACT NO. 68D69					
	PLOT DATE = \$DATE*	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE:	STA.	TO STA.				



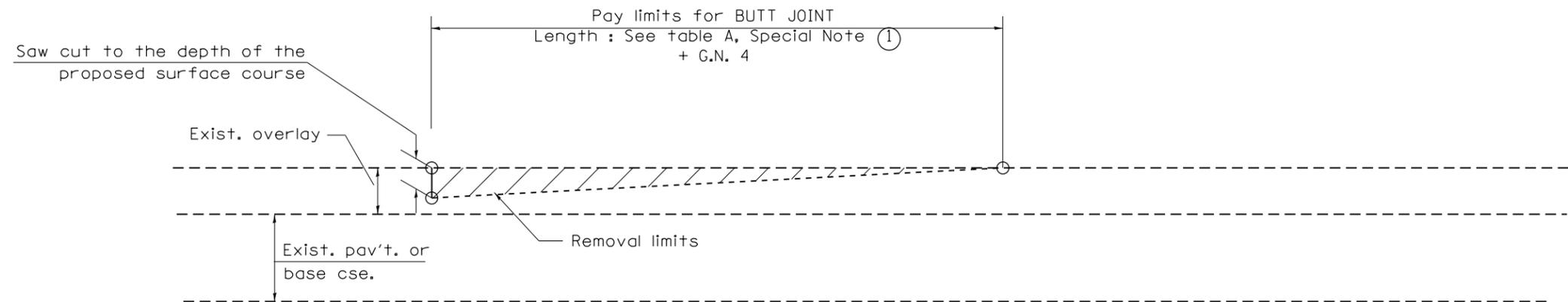
**CASE 1 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)**

**TABLE A  
TAPER RATES**

SPECIAL NOTE NUMBER	ELEMENT	MAINLINE INTERSTATES & 4-LANE EXPRESSWAYS	ALL OTHERS
①	BUTT JOINT TAPER RATE	1:480	1:240
②	TEMPORARY RAMP TAPER RATE	1:80	1:40

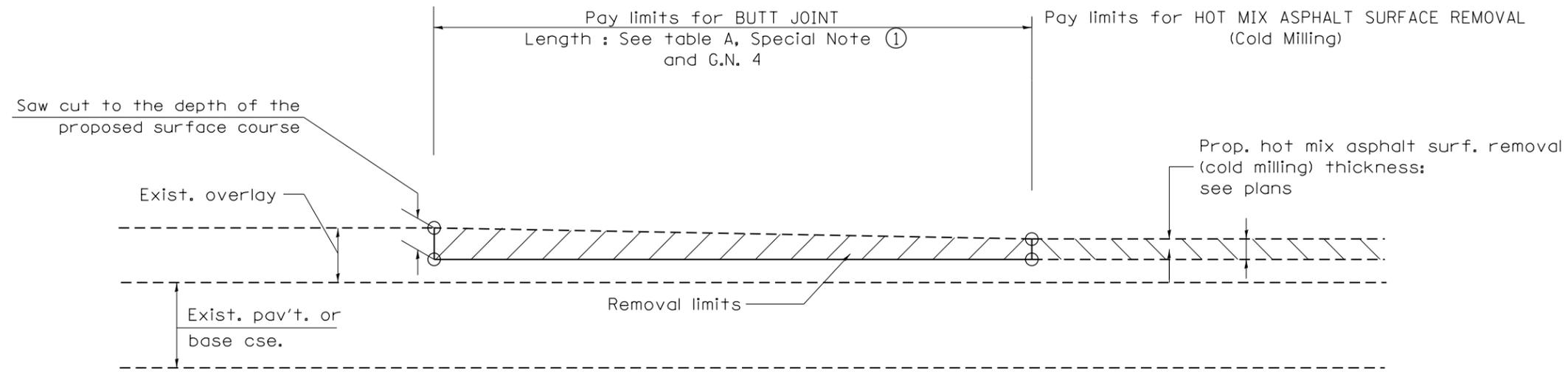
**GENERAL NOTES**

1. The work shall be done in accordance with Article 406.08 and the Special Provision for Butt Joints.
2. The pavement surface to be removed may be either bituminous or P.C. concrete. The work shall be performed in accordance with Article 440.04 and the Special Provisions for Butt Joints.
3. The saw cut joints shall be primed just prior to the placing of bituminous material. The work will be in accordance with the applicable portions of Article 406.05.
4. The length of butt joint is based on the taper rate times change in cold milling depth within the butt joint pay limits, unless otherwise indicated.
5. Temporary ramps are paid for separately and not included in the cost of the butt joints.

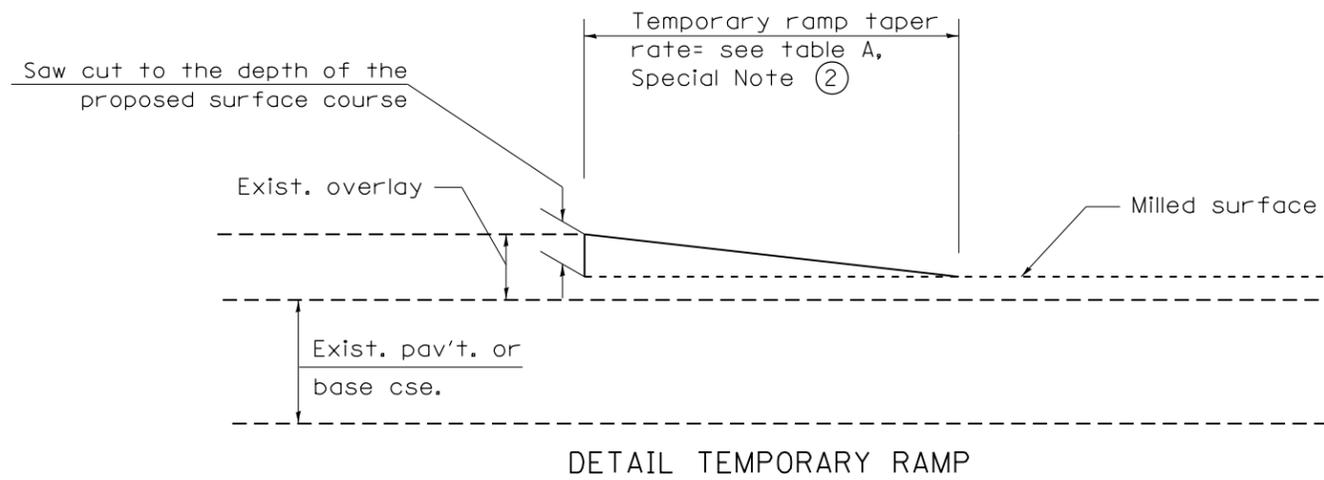


**CASE 2 : NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)**

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



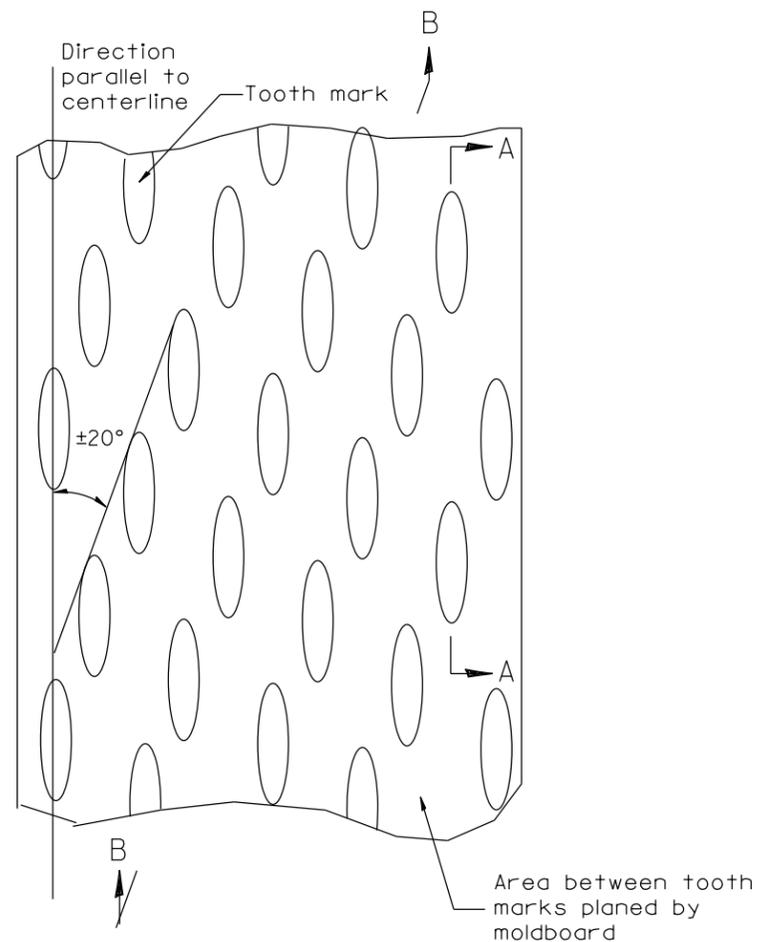
CASE 3 : HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)  
TIE-IN TO EXISTING BITUMINOUS TAPER



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

				<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>		<b>BUTT JOINTS</b>		SHT. 2 OF 3 CADD STD. 406101-D4	
				NOT TO SCALE				CONTRACT NO. 68D69	
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.					
669	11RS-12	TAZEWELL	42	38					
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT							

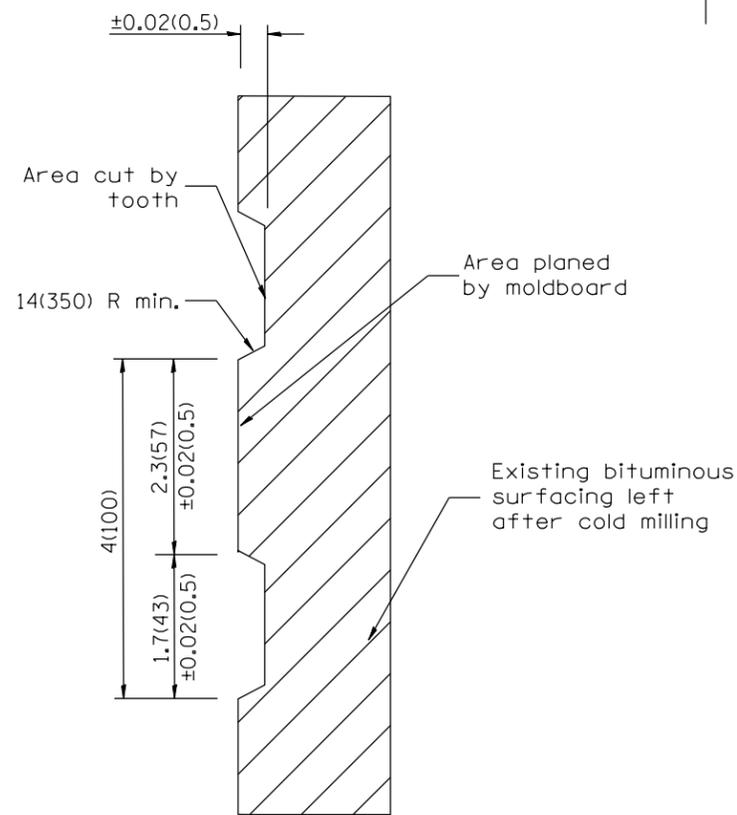




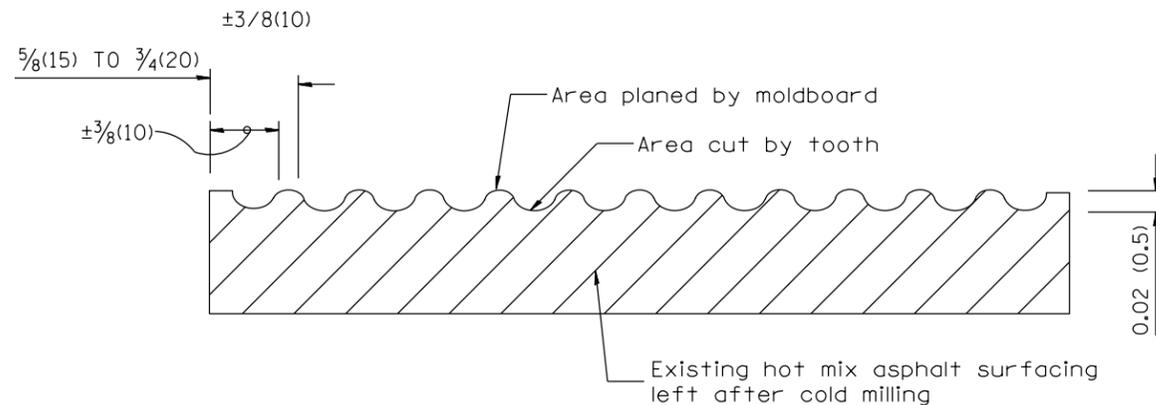
PLAN

General notes:

1. Coldmilling shall consist of two processes: Cutting with carbide teeth mounted on a rotating drum, and planing with a moldboard mounted immediately behind the cutting drum.
2. Other similar patterns will be acceptable if they consist of a smooth, flat, planed surface interspersed with a pattern of discontinuous longitudinal striations.



SECTION A-A



SECTION B-B PROJECTED  
PERPENDICULAR TO CENTERLINE

DESIGNER NOTES:  
1. INCLUDE DISTRICT SPECIAL PROVISION, IF APPLICABLE.

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

01-01-97	RENUM. C-104.01, NEW REVISION BOX	T.P.
04-20-98	REMOVED MILLING DETAIL FROM STANDARD	J.A.
09-08-98	CORRECT NOTE LEADER PLACEMENT	R.W.
10-16-06	REVISED TO 2007 SPEC.	M.A.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

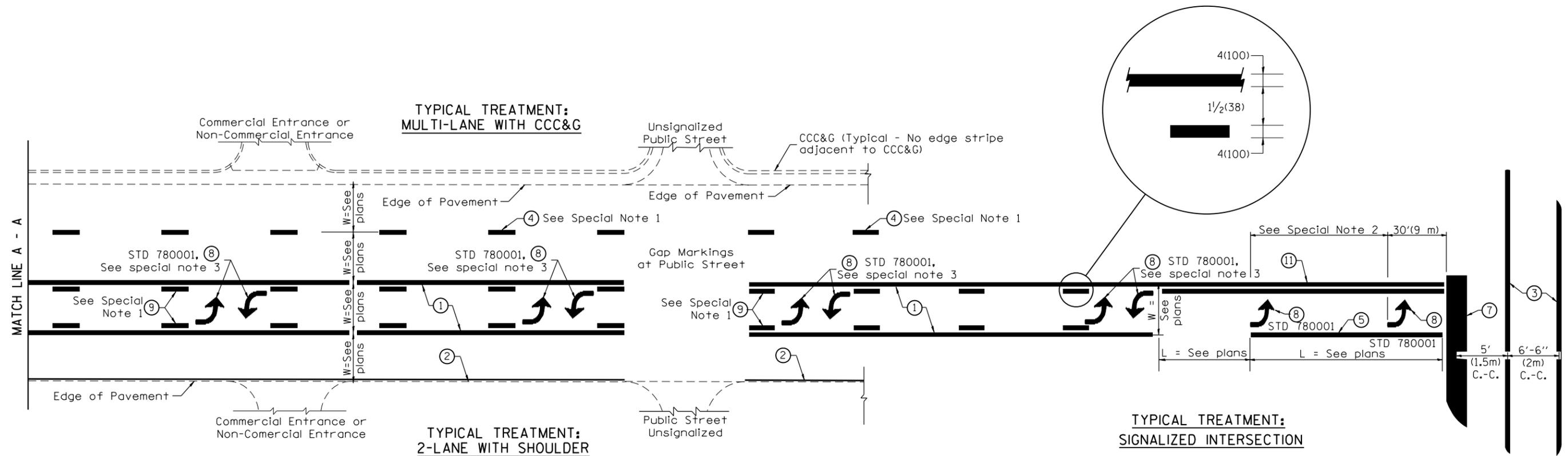
HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

NOT TO SCALE

CADD STD. 440001-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	11RS-12	TAZEWELL	42	40
CONTRACT NO. 68D69				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DESIGNER NOTES:  
1. Include State Standard 780001 (Typical Pavement Markings)



**FLUSH PAVED MEDIAN: TWO-WAY LEFT TURN LANE WITH ONE-WAY LEFT TURN LANE AT SIGNALIZED INTERSECTION**

**TYPICAL PAVEMENT MARKING LEGEND**

(Note: This is a District Standard Legend. Some elements may not apply to specific project.)

- ① 4(100) Solid (Yellow)
- ② 4(100) Solid (White)
- ③ 2-6(150) Crosswalk @ 6'-6" (2m)min C.-C. (White)  
2-8(200) Crosswalk @ 6'-6" (2m)min C.-C. (White) (When traffic signals are present.)
- ④ 6(150) Skip-Dash (White) (See Special Note 1)
- ⑤ 8(200) Solid (White)
- ⑥ 12(300) Diagonal (White) (Item ⑥ is shown on Std. 780001)
- ⑦ 24(600) Stop Bar (White)
- ⑧ Letters & Arrows (See Std. 780001 and Special Notes 2 & 3)
- ⑨ 4(100) Skip-Dash (Yellow) (See Special Note 1)
- ⑩ 12(300) Diagonal (Yellow) (See Table A) ⑩
- ⑪ 4(100) Double Solid (Yellow) ⑪

**SPECIAL NOTES**

1. Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversely across the pavement.
2. The following shall apply to arrows located in one-way left turn lanes:
  - A. A minimum of two (2) arrows is required.
  - B. The maximum spacing between arrows is 80' (24 m).
  - C. Arrows shall be evenly spaced if three (3) or more are required.
3. The following shall apply to arrow pairs located in two-way left turn lanes:
  - A. A minimum of two (2) arrow pairs is required.
  - B. The maximum spacing between arrow pairs is 200' (61 m).
  - C. Arrow pairs shall be evenly spaced if three (3) or more are required.
  - D. The spacing between Bi Directional Left Turn Arrows is 33' (10 m).

**GENERAL NOTES**

1. Refer to State Standard 780001 for additional Pavement Markings including letters & arrows.
2. See Plans for Pavement Markings adjacent to curbed islands and medians, and through lane reductions.
3. Refer to Article 780.13 for letter, number and symbol areas (sq. ft.)
4. Areas are grooved 1" beyond each edge for the following symbols:  
Through Arrow= 14.8 sq. ft.  
Large Left or Right Arrow= 21.9 sq. ft.  
2 Arrow Combination Left (or Right) and Through= 34.9 sq. ft.  
Wrong Way Arrow= 29.5 sq. ft.  
Railroad Crossing Symbol= 69.8 sq. ft.  
(For further information, refer to BDE Special Provision: Grooving for Recessed Pavement Markings)

01-01-97	RENUM. F-8.03, NEW REVISION BOX	T.P.	10-16-06	REVISED TO 2007 SPEC.	
02-07-97	ADD BI DIRECTIONAL DIMENSION	J.A.	2/29/16	ADDED GROOVING AREAS	R.D.
10-97	CORRECT BI DIRECTIONAL DIMENSION	J.A.			
08-02	ADD CROSSWALK DMNS. WITH T.S.	M.A.			

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

NOT TO SCALE

**TYPICAL PAVEMENT MARKINGS**

SHT. 1 OF 2  
CADD STD. 780001-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	IIRS-12	TAZEWELL	42	41
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68D69	

