

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

IL 13 (FAP 331)
SECTION D9 CM PATCH 2016-4

PAVEMENT REPLACEMENT
JACKSON COUNTY

C-99-036-15

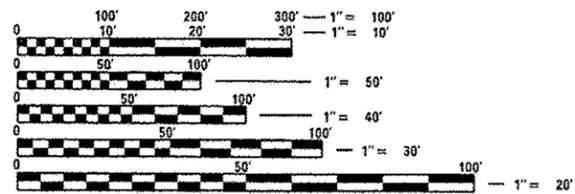
FOR INDEX OF SHEETS, SEE SHEET NO. 3

TRAFFIC DATA:

IL 13 WB YEAR 2015

WB ADT=8520 TRUCKS = 8.8%

TOWNSHIP: MURPHYSBORO

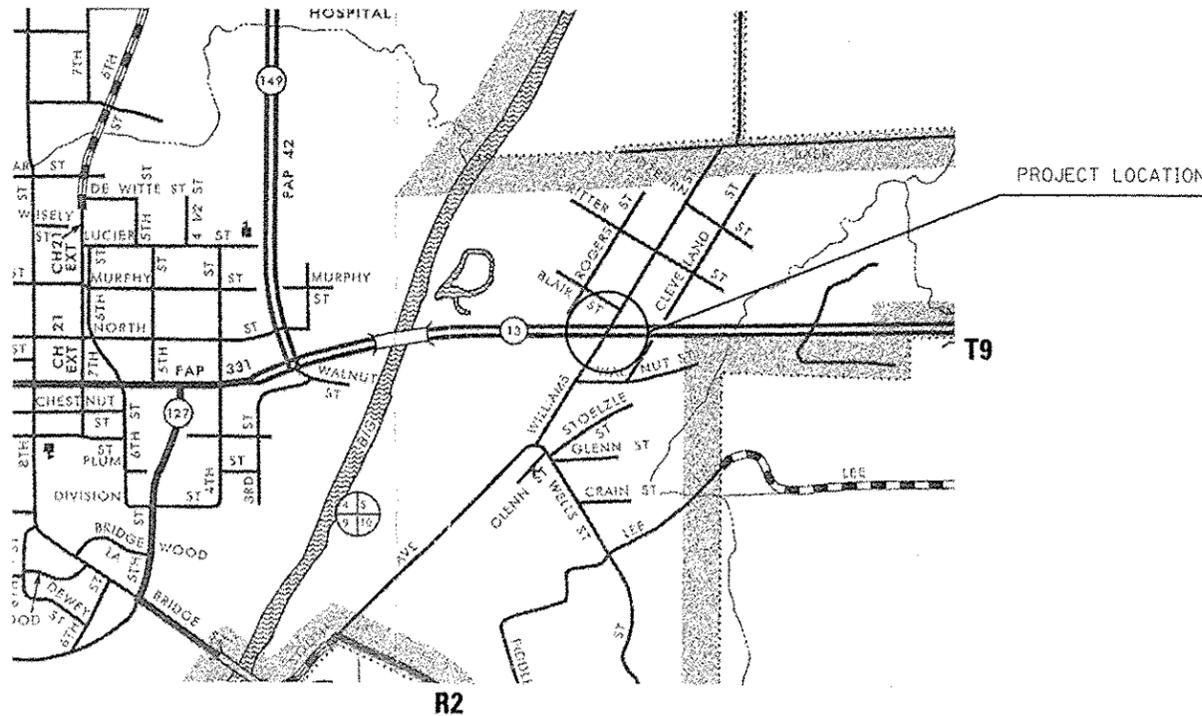


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: CHARLES STEIN
DESIGNER: MELISSA COLE

CONTRACT NO. 78468



GROSS LENGTH = 710 FT. = 0.13 MILE
NET LENGTH = 710 FT. = 0.13 MILE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	D9 CM PATCH 2016-4	JACKSON	21	1
		ILLINOIS	CONTRACT NO. 78468	

D-99-028-15



LOCATION OF SECTION INDICATED THUS: - [black rectangle]

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED May 12 20 15
Jeffrey J. Keim
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

June 26 20 15
John D. Baranzelli P.E. /a
ENGINEER OF DESIGN AND ENVIRONMENT

June 26 20 15
Omer Osman P.E. /a
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

GENERAL NOTES

FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES

ALL AGGREGATE 2.05 TONS/CU.YD.

SUBBASE COMPACTION SHALL BE TO THE SATISFACTION OF THE ENGINEER

FORMS SHALL BE OF METAL ONLY, EXCEPT THAT WOOD FORMS MAY BE USED ON SHORT RADIUS CURVES.

AT ALL LOCATIONS WHERE THE PROPOSED CONCRETE PAVEMENT JOINS AN EXISTING HOT MIX ASPHALT OR CONCRETE PAVEMENT, A FULL DEPTH SAWED JOINT SHALL BE CONSTRUCTED. THE COST OF THIS JOINT WILL BE INCLUDED IN THE COST OF THE TYPE OF PAVEMENT BEING CONSTRUCTED.

COMMITMENTS: NONE

STRUCTURES WITHIN PROJECT LIMITS: NONE

THE CONTRACTOR SHALL STAMP STATIONING THAT FALLS WITHIN THE REPAIR LIMITS. THE STAMPED STATIONING SHALL BE PLACED AT 300 FT. INTERVALS AS DIRECTED BY THE ENGINEER. IF STATIONING FALLS WITHIN THE LIMITS OF MULTIPLE LANES, THE STATIONING SHALL BE STAMPED ON BOTH SIDES OF THE PAVEMENT. THE STATION SYMBOL STAMPS USED SHALL BE FURNISHED BY THE CONTRACTOR. THEY SHALL BE 5 1/2" TALL, OF A DESIGN APPROVED BY THE ENGINEER, AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

THE DISTRICT BUREAU OF OPERATIONS SHALL BE NOTIFIED AT LEAST 10 DAYS PRIOR TO THE PLACEMENT OF THE FINAL PAVEMENT MARKINGS. THE BUREAU OF OPERATIONS WILL THEN INSECT AND/OR APPROVE THE FINAL LAYOUT.

ALL PAVEMENT MARKINGS SHALL BE LOCATED AND RECORDED BEFORE PAVEMENT REMOVAL AND REPLACED ACCORDINGLY.

DETECTOR LOOP WIRE SHALL BE PLACED IN THE EXISTING CONDUIT FROM THE LOOP SAWCUT TO THE SPLICE POINT AT THE EXISTING HANDHOLE.

THE FURNISHING AND INSTALLATION OF THE 1 1/4 IN. CONDUIT WITH ITS TRENCHING AND BACKFILL FROM THE LOOP SAWCUT TO THE SPLICE POINT SHALL BE INCLUDED IN THE LOOP INSTALLATION UNLESS SHOWN OTHERWISE ON THE PLANS

THE INDUCTION LOOP WIRE AND LEAD-IN WIRE SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION.

ALL DETECTOR LOOP CORNERS SHALL BE CORE DRILLED 2 IN. MINIMUM DIAMETER EXCEPT THOSE PLACED UNDER RESURFACING. THE DETECTOR LOOP CORNERS PLACED UNDER RESURFACING SHALL BE DIAGONALLY SAWCUT

THE LOCATION OF THE DETECTOR LOOPS AS SHOWN ON THE PLANS, MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER OF TRAFFIC OPERATIONS.

PROTECTIVE COAT SHALL BE APLIED TO ALL CONCRETE SURFACES ACCORDING TO THE SEASONAL REQUIREMENTS OF ARTICLE 420.18

FILE NAME : <small>p:\11084EBID\TEG.Illinois.gov\PI\DOT\Documents\DOT Offices\Districts 9\Projects\Con</small>	USER NAME : colenn <small>Documents\DOT Offices\Districts 9\Projects\Con</small>	DESIGNED -- <small>BROWN 2016\78468\CAD\DATA\CAD\Sheets</small>	REVISED -- <small>REVISED plan.rlm.sdg</small>	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.P. RTE. 331	SECTION 09 CM PATCH 2016-4	COUNTY JACKSON	TOTAL SHEETS 21	SHEET NO. 4
Default	PLOT SCALE = 100.0000' / in.	CHECKED --	REVISED --	SCALE: SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 78468		ILLINOIS FED. AID PROJECT		
PLOT DATE = 6/17/2015		DATE --	REVISED --							

SUMMARY OF QUANTITIES

COUNTY:	JACKSON
ROUTE:	IL 13 (FAP 331)
FUNDING:	100% STATE
LOCATION:	URBAN
TOTAL QUANTITY	ROADWAY 0005

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY 0005
31100700	SUBBASE GRANULAR MATERIAL, TYPE A 8"	SO YD	2,913	2,913
42000501	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	SO YD	2,546	2,546
42101300	PROTECTIVE COAT	SO YD	2,913	2,913
44000100	PAVEMENT REMOVAL	SO YD	2,546	2,546
44004250	PAVED SHOULDER REMOVAL	SO YD	367	367
44201299	DOWEL BARS 1 1/2"	EACH	1,470	1,470
44213204	TIE BARS 3/4"	EACH	1,013	1,013
48300500	PORTLAND CEMENT CONCRETE SHOULDERS 10"	SO YD	367	367
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	4
67100100	MOBILIZATION	LSUM	1	1
70100320	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	LSUM	1	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1	1

12

SUMMARY OF QUANTITIES - CONT

COUNTY:	JACKSON
ROUTE:	IL 13 (FAP 331)
FUNDING:	100% STATE
LOCATION:	URBAN
TOTAL QUANTITY	ROADWAY 0005

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	4	4
70200100	NIGHTTIME WORK ZONE LIGHTING	LSUM	1	1
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	36	36
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	1,036	1,036
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	10	10
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	36	36
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	427	427
* 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	36	36
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	1,036	1,036
* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	10	10
* 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	36	36
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	18	18

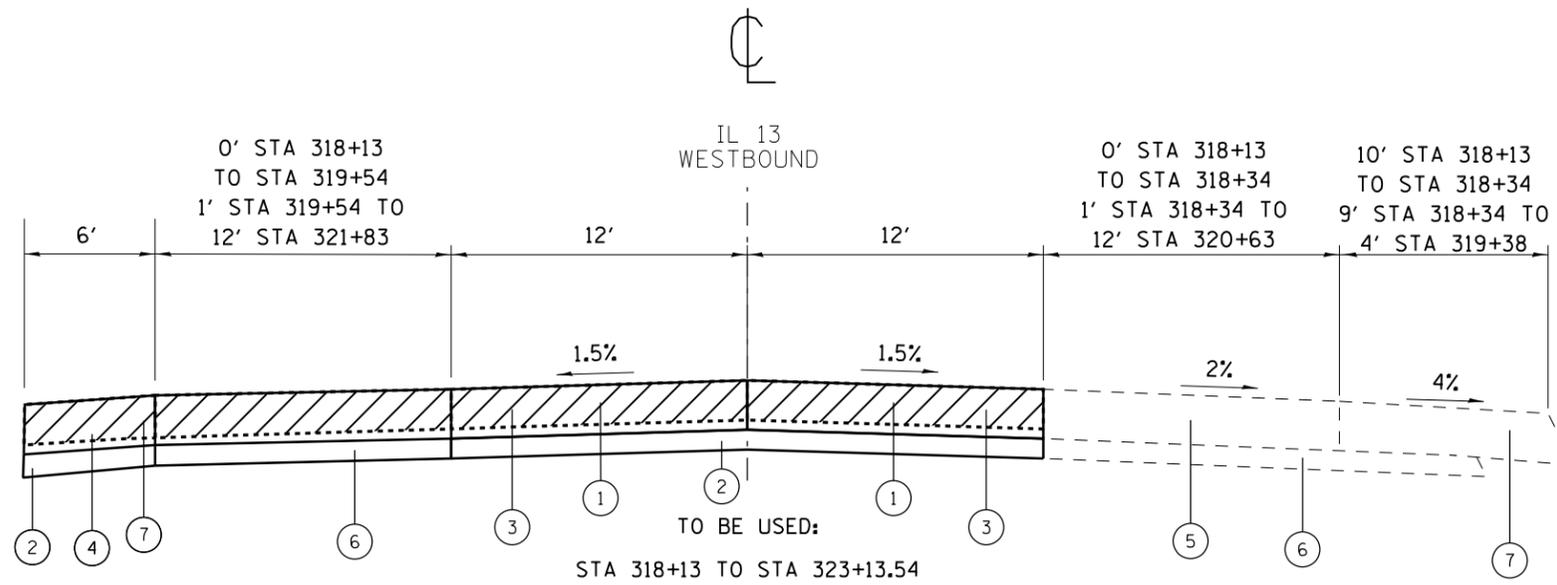
* SPECIALTY ITEM

SUMMARY OF QUANTITIES - CONT

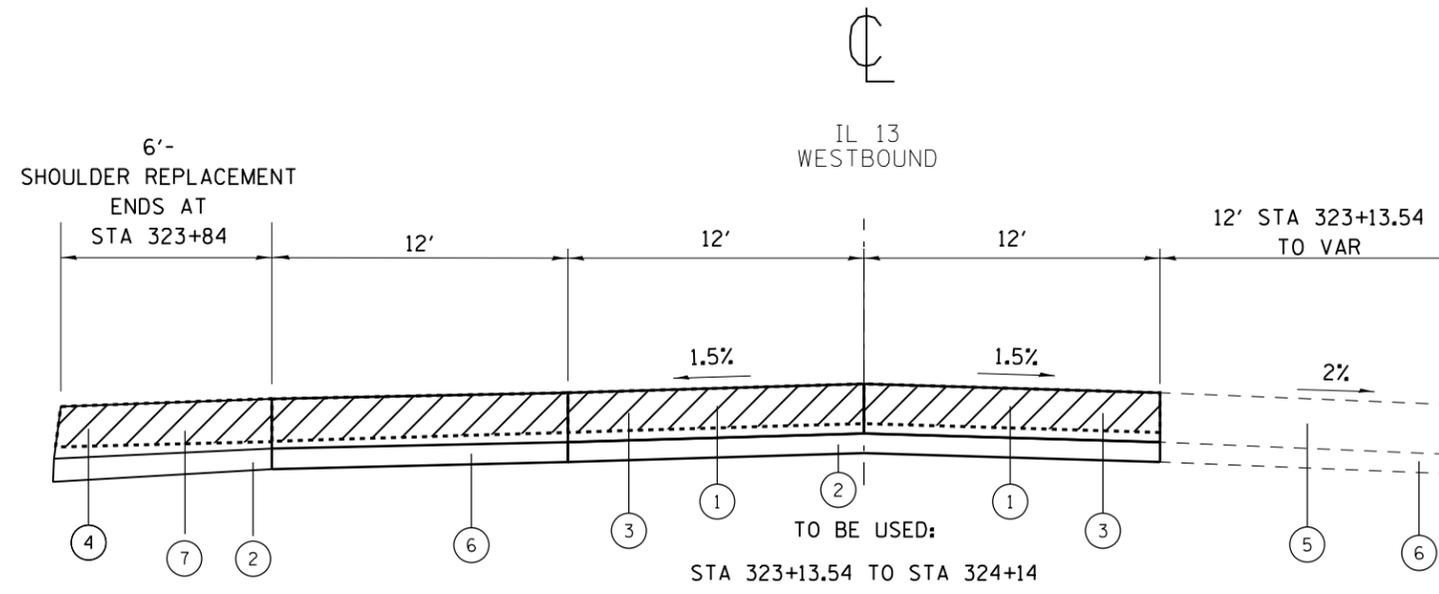
COUNTY:	JACKSON
ROUTE:	IL 13 (FAP 331)
FUNDING:	100% STATE
LOCATION:	URBAN
TOTAL QUANTITY	ROADWAY
	0005

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	18	18
* 88600100	DETECTOR LOOP, TYPE I	FOOT	272	272
* X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	1,036	1,036
* X7830078	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	10	10
* X7830090	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	36	36

* SPECIALTY ITEM

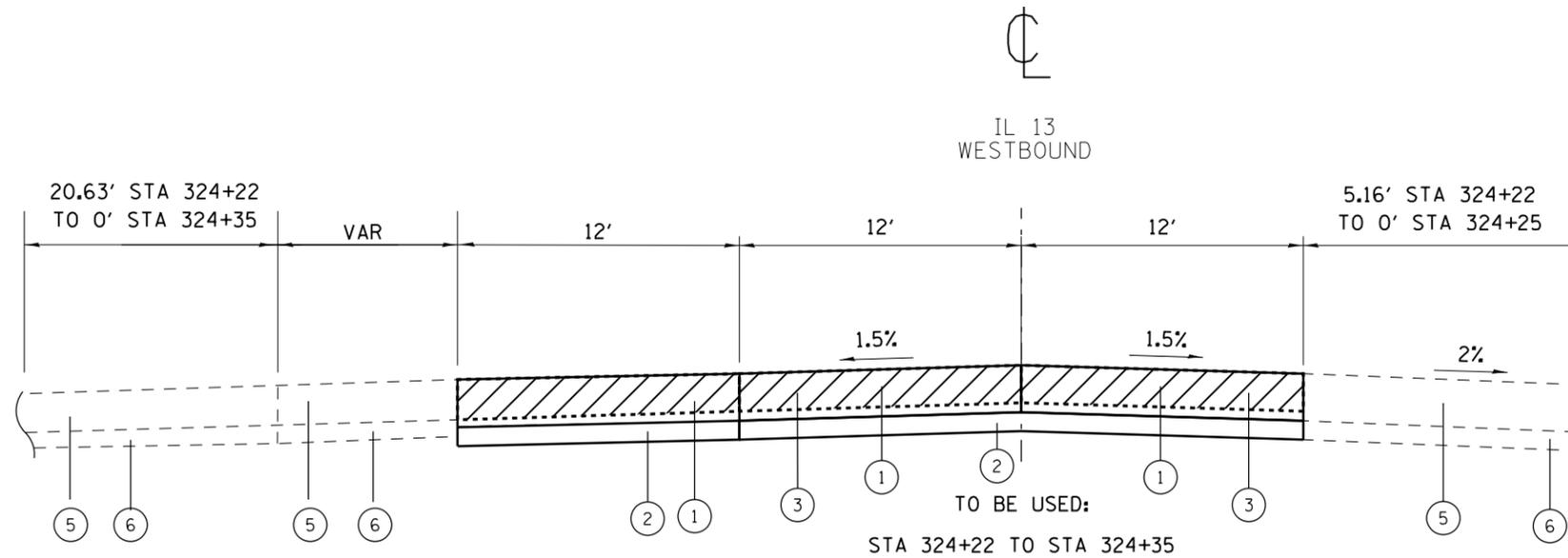
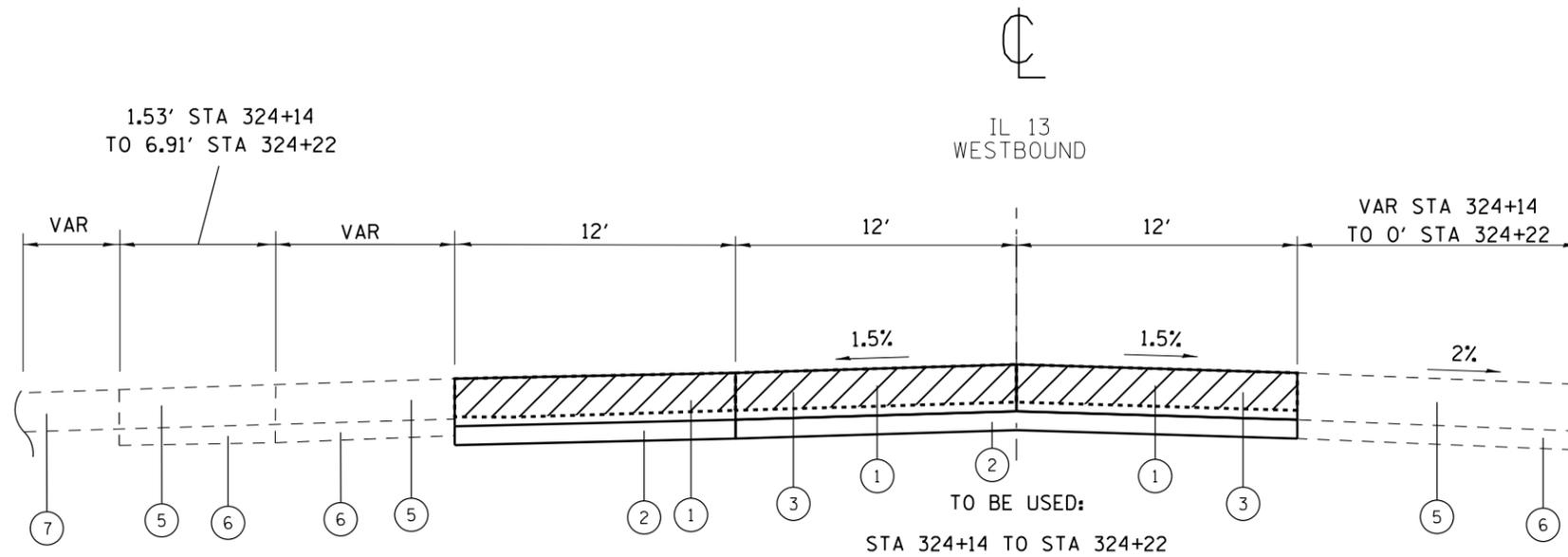


- ① PROPOSED PCC PAVEMENT JOINTED, 10"
- ② PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A 8"
- ③ PROPOSED PAVEMENT REMOVAL
- ④ PROPOSED PCC SHOULDER 10"
- ⑤ EXISTING PCC PAVEMENT
- ⑥ EXISTING SUBBASE
- ⑦ EXISTING BITUMINOUS SHOULDER



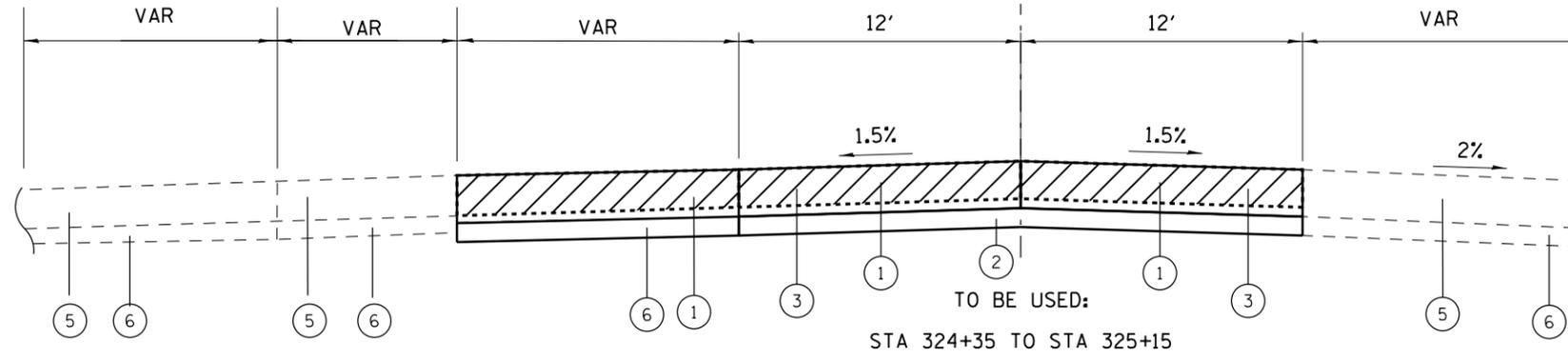
NOTE:
EXISTING BITUMINOUS SHOULDER SHOULD REMAIN AFTER STA 323+84

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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 78468			ILLINOIS FED. AID PROJECT				
	PLOT DATE = 5/15/2015	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	



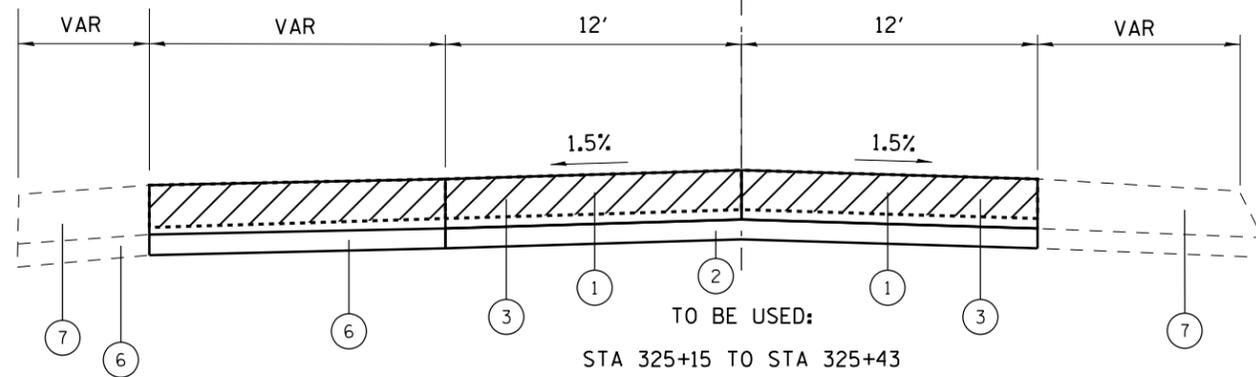
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	PLOT DATE = 5/15/2015				SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.		

IL 13
WESTBOUND



- ① PROPOSED PCC PAVEMENT JOINTED, 10"
- ② PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A 8"
- ③ PROPOSED PAVEMENT REMOVAL
- ④ PROPOSED PCC SHOULDER 10"
- ⑤ EXISTING PCC PAVEMENT
- ⑥ EXISTING SUBBASE
- ⑦ EXISTING BITUMINOUS SHOULDER

IL 13
WESTBOUND



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	PLOT DATE = 5/15/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	D9 CM PATCH 2016-4	JACKSON	21	10
CONTRACT NO. 78468			ILLINOIS FED. AID PROJECT	

PAVEMENT SCHEDULE

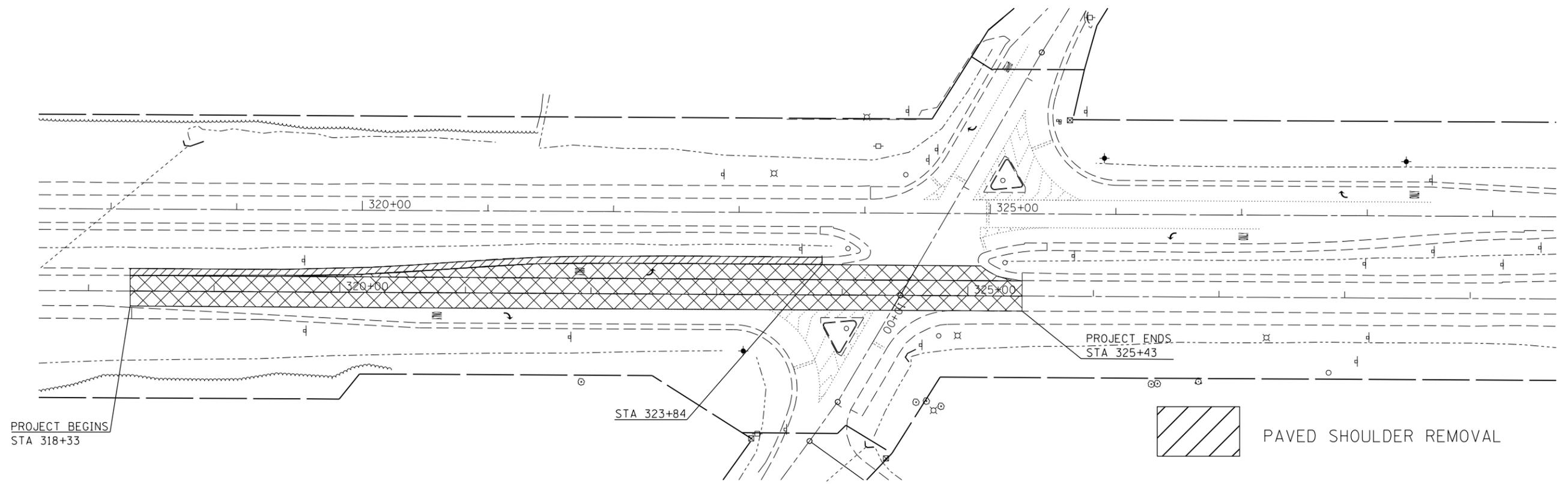
WB IL 13 MURPHYSBORO STATION TO STATION	LOCATION	SUB GRAN MATERIAL TYPE A 8''	PCC PVMT 10''	TIE BARS 3/4''	DOWEL BARS 1-1/2''	PROTECTIVE COAT	PCC SHOULDERS 10''	PAVEMENT REMOVAL	PAVED SHLD REMOVAL
		SQ YD	SQ YD	EACH	EACH	SQ YD	SQ YD	SQ YD	SQ YD
IL 13 WB & WILLIAMS ST.									
318+33 to 322+00	DRIVING LANE	489	489	147	294	489		489	
322+00 TO 324+32	DRIVING LANE	309	309	93	186	309		309	
324+32 TO 324+60	DRIVING LANE	37	37	11	22	37		37	
324+60 TO 325+43	DRIVING LANE	111	111	33	66	111		111	
318+33 to 322+00	PASSING LANE	489	489	147	294	489		489	
322+00 TO 324+32	PASSING LANE	309	309	93	186	309		309	
324+32 TO 324+60	PASSING LANE	37	37	11	22	37		37	
324+60 TO 325+43	PASSING LANE	111	111	33	66	111		111	
318+33 TO 323+84	SHOULDER	367		220		367	367		367
319+50 TO 320+93	TURN LANE TAPER	95	95	57		95		95	
320+93 TO 324+40	FULL WIDTH TURN LANE	463	463	139	278	463		463	
324+40 TO 324+68	FULL WIDTH TURN LANE	37	37	11	22	37		37	
324+68 TO 325+11	FULL WIDTH TURN LANE	57	57	17	34	57		57	
PROJECT TOTALS		2913	2546	1013	1470	2913	367	2546	367

PAVEMENT MARKING SCHEDULE

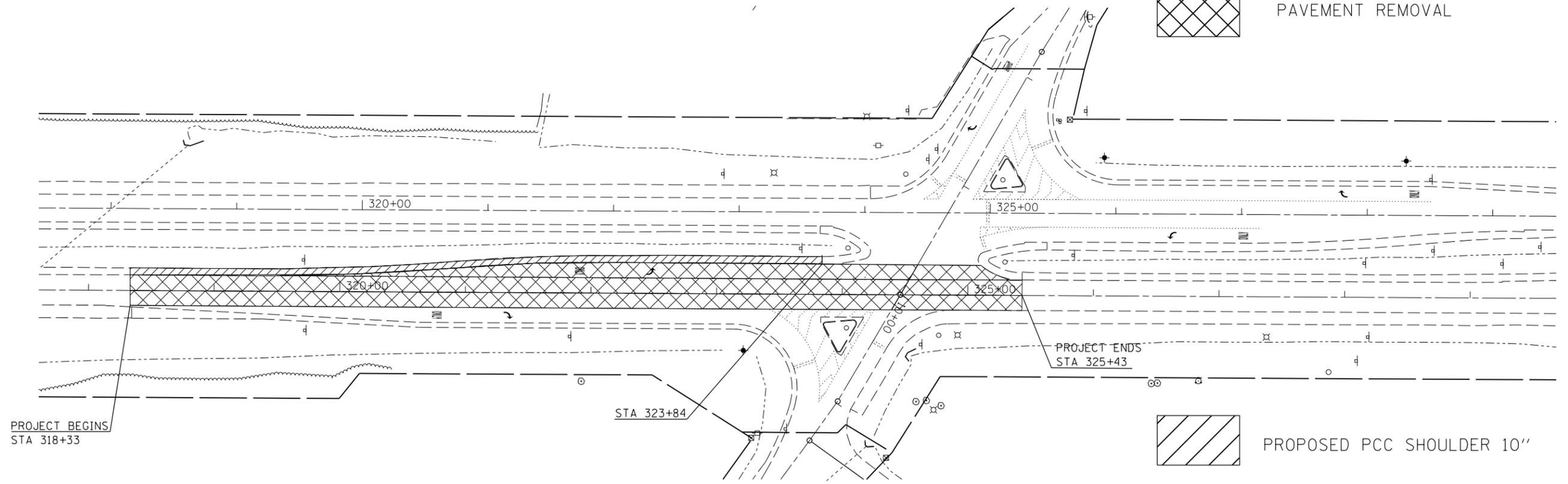
STA TO STA	MODIFIED URETHANE PAVEMENT MARKING						TEMP PVMT MRK 4"	TEMP PVMT MRK 12"	TEMP PVMT MRK 24"	TEMP PVMT MRK LTRS & SYM	WORK ZONE PVMT MK REM	RAISED REF PVMT MKR	RAISED REF PVMT MKR REM	DETECTOR LOOP TYPE 1	
	SKIP DASH WHITE 4"	SOLID WHITE 4"	SOLID YELLOW 4"	SOLID WHITE 12"	SOLID WHITE 24"	LETTERS AND SYMBOLS									
	FT	FT	FT	FT	FT	SQFT									
318+33 TO 324+18	150.0	280.0	551.0	10.0	36.0	36.4	981.0	10.0	36.0	36.4	409.0	18.0	18.0	272.0	
324+88 TO 325+43		55.0					55.0				18.3				
	MODIFIED URETHANE PAVEMENT MARKING 4"														
	FT														
TOTALS		1036.0		10.0	36.0	36.4	1036.0	10.0	36.0	36.4	427.3	18.0	18.0	272.0	
		*		**	***										

NOTES

- * QUANTITY IS ALSO FOR GROVING FOR RECESSED PAVEMENT MARKING 5"
- ** QUANTITY IS ALSO FOR GROVING FOR RECESSED PAVEMENT MARKING 13"
- *** QUANTITY IS ALSO FOR GROVING FOR RECESSED PAVEMENT MARKING 25"



 PAVED SHOULDER REMOVAL
 PAVEMENT REMOVAL



 PROPOSED PCC SHOULDER 10"
 PROPOSED JOINTED PCC PAVEMENT 10"

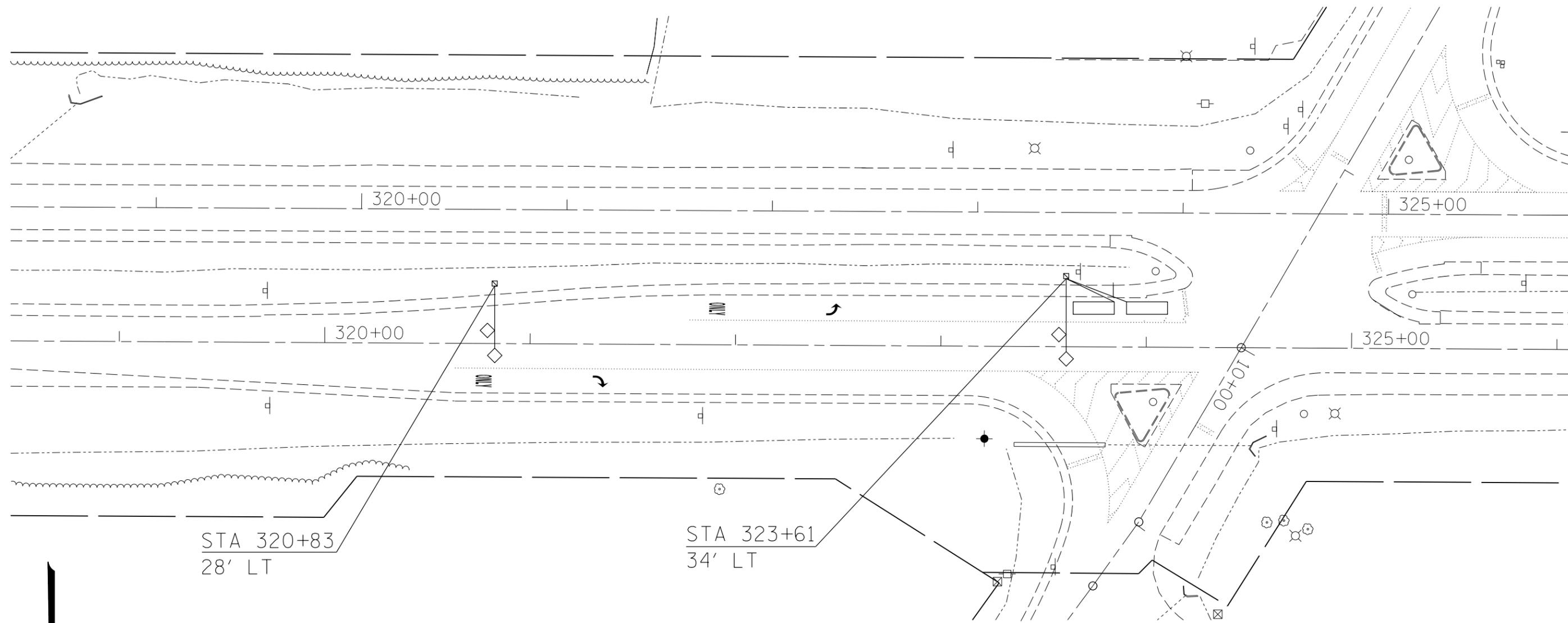
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	PLOT DATE = 5/15/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	D9 CM PATCH 2016-4	JACKSON	21	13
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78468	



LEGEND

- ◇ PROPOSED ADVANCED LOOPS, 5' X 5' WITH CORE-DRILLED CORNERS
- ▭ PROPOSED ADVANCED LOOPS, 6' X 20' WITH CORE-DRILLED CORNERS
- ⊠ HANDHOLE



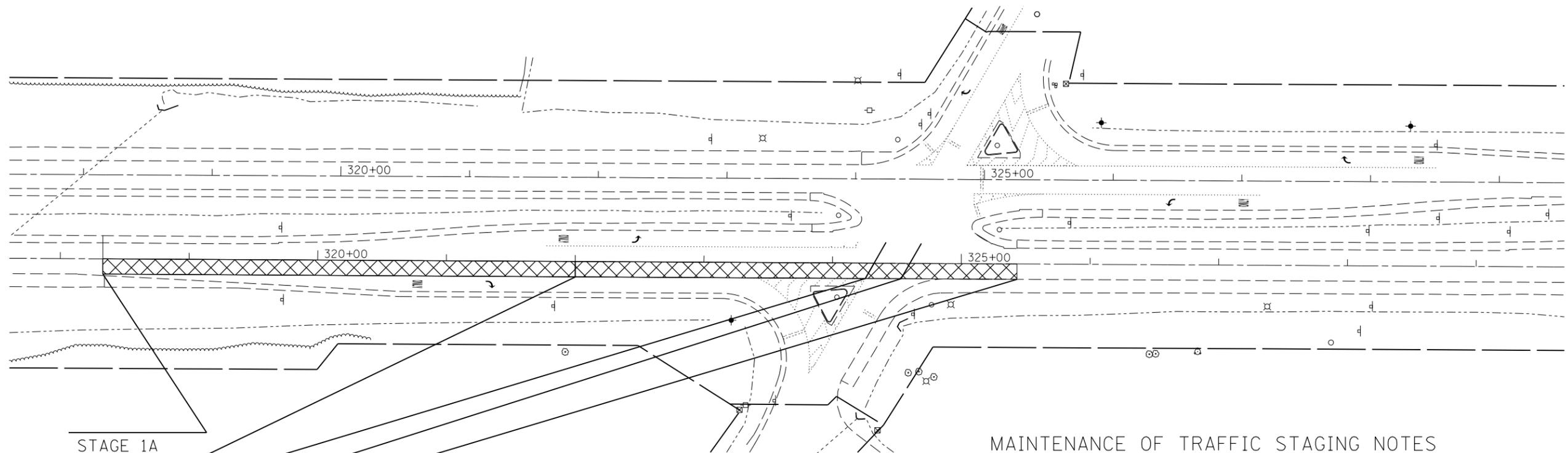
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 5/15/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP DETAIL

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	D9 CM PATCH 2016-4	JACKSON	21	14
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78468	

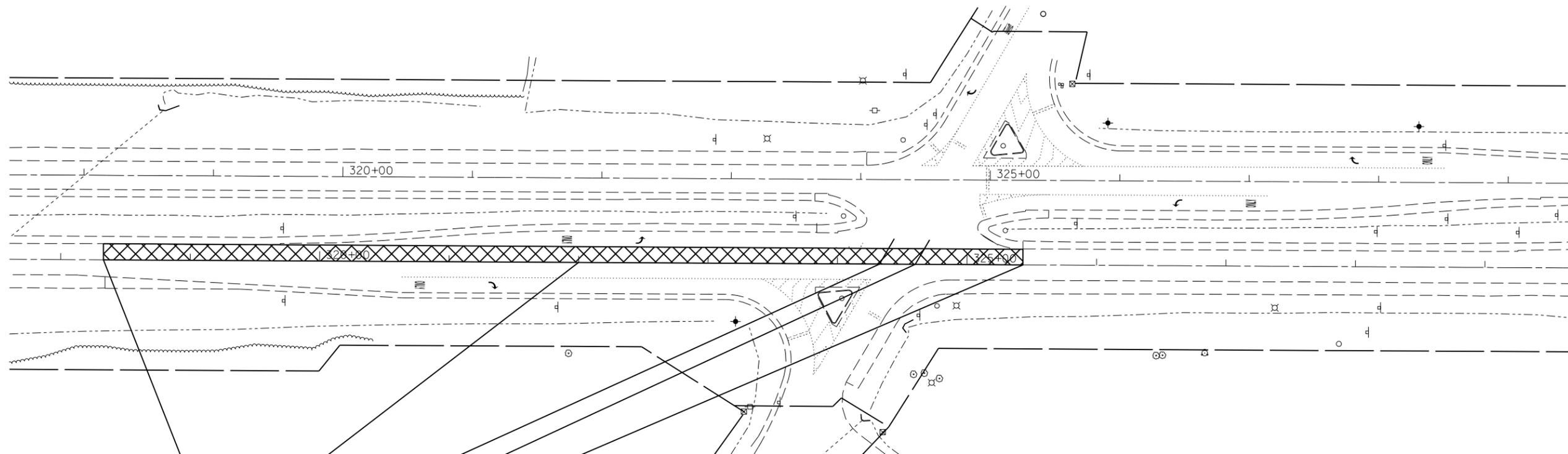


- STAGE 1A
- STAGE 1B
- STAGE 1C
- STAGE 1D

MAINTENANCE OF TRAFFIC STAGING NOTES

1. CHANGEABLE MESSAGE SIGNS TO BE ON IL 13 WESTBOUND EAST OF WILLIAMS ST., NORTH AND SOUTH WILLIAMS ST.
2. SHIFT ALL IL 13 WESTBOUND TRAFFIC TO PASSING LANE
3. ALL TURNING AND THROUGH MOVEMENTS TO AND FROM NORTH AND SOUTH WILLIAMS ST. ARE TO BE MAINTAINED DURING ALL STAGES WITH THE EXCEPTION OF:
 - I. THE RIGHT TURN MOVEMENT FOR WB IL 13 MAY BE CLOSED DURING STAGE 1B
 - II. THE LEFT TURN MOVEMENT FOR EB IL 13 AND THE THROUGH MOVEMENT FOR WILLIAMS STREET MAY BE CLOSED DURING STAGE 1C. WHEN CLOSED TYPE III BARRICADES AND ADVANCED SIGNING MUST BE USED ON BOTH WILLIAMS ST APPROACHES.
4. CLOSE IL 13 WESTBOUND DRIVING LANE
5. SEE STAGING TYPICAL FOR MORE DETAILS
6. USE NIGHT TIME CONSTRUCTION
7. ALL LANES TO BE OPEN FOR DAYTIME TRAFFIC
8. FLAGGERS AT WILLIAMS ST. DURING LANE CLOSURES

FILE NAME =	USER NAME = colemm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGING PLAN			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 100.0000' / 1in.	DATE -	REVISED -		CONTRACT NO. 78468			ILLINOIS FED. AID PROJECT				

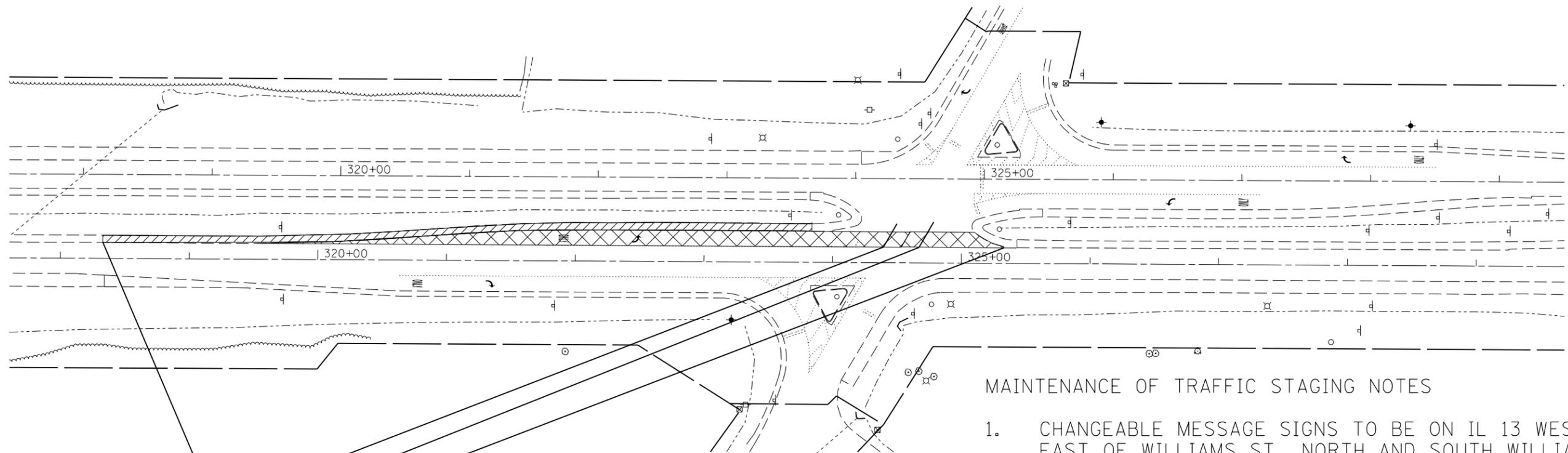


STAGE 2A
 STAGE 2B
 STAGE 2C
 STAGE 2D

MAINTENANCE OF TRAFFIC STAGING NOTES

1. CHANGEABLE MESSAGE SIGNS TO BE ON IL 13 WESTBOUND EAST OF WILLIAMS ST., NORTH AND SOUTH WILLIAMS ST.
2. SHIFT ALL IL 13 WESTBOUND TRAFFIC TO DRIVING LANE
3. ALL TURNING AND THROUGH MOVEMENTS TO AND FROM NORTH OR SOUTH WILLIAMS STREET ARE TO BE MAINTAINED DURING ALL STAGES WITH THE EXCEPTION OF:
 - I. THE LEFT TURN FOR WB IL 13 MAY BE CLOSED DURING STAGES 2B AND 2C.
 - II. THE LEFT TURN MOVEMENT FOR EB IL 13 AND THE THROUGH MOVEMENT FOR WILLIAMS STREET MAY BE CLOSED DURING STAGE 2C. WHEN CLOSED, TYPE III BARRICADES AND ADVANCED SIGNING MUST BE USED ON BOTH WILLIAMS ST. APPROACHES.
4. CLOSE IL 13 WESTBOUND PASSING LANE
5. SEE STAGING TYPICAL FOR MORE DETAILS
6. USE NIGHT TIME CONSTRUCTION
7. ALL LANES TO BE OPEN FOR DAYTIME TRAFFIC
8. FLAGGERS AT WILLIAMS ST. DURING LANE CLOSURES

FILE NAME =	USER NAME = colemm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGING PLAN			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 78468							
	PLOT DATE = 5/22/2015	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT



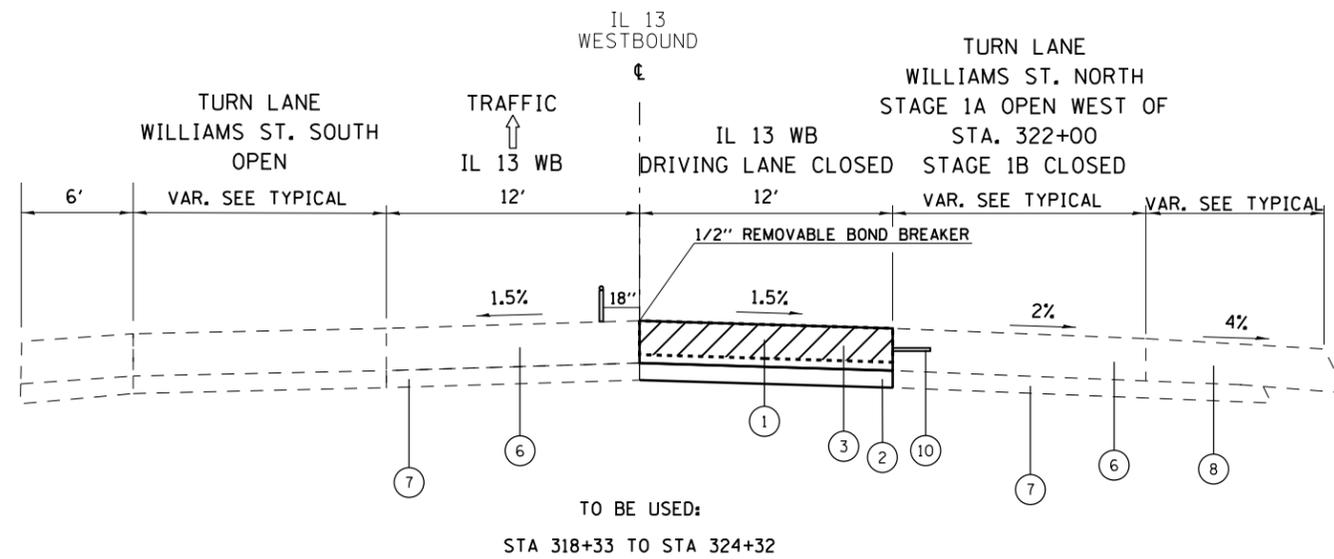
STAGE 3A
STAGE 3B
STAGE 3C

MAINTENANCE OF TRAFFIC STAGING NOTES

1. CHANGEABLE MESSAGE SIGNS TO BE ON IL 13 WESTBOUND EAST OF WILLIAMS ST., NORTH AND SOUTH WILLIAMS ST.
2. CLOSE TURN LANE FOR SOUTH WILLIAMS ST.
3. MAINTAIN TRAFFIC ON IL 13 WESTBOUND DRIVING LANE
4. ALL TURNING AND THROUGH MOVEMENTS TO AND FROM NORTH OR SOUTH WILLIAMS STREET ARE TO BE MAINTAINED DURING ALL STAGES WITH THE EXCEPTION OF:
 - I. THE LEFT TURN FOR WB IL 13 MAY BE CLOSED DURING STAGE 3B.
 - II. THE LEFT TURN MOVEMENT FOR EB IL 13 AND THE THROUGH MOVEMENT FOR WILLIAMS STREET MAY BE CLOSED DURING STAGE 3B. WHEN CLOSED TYPE III BARRICADES AND ADVANCED SIGNING MUST BE USED ON BOTH WILLIAMS ST. APPROACHES.
5. SEE STAGING TYPICAL FOR MORE DETAILS
6. USE NIGHT TIME CONSTRUCTION
7. ALL LANES TO BE OPEN FOR DAYTIME TRAFFIC
8. FLAGGERS AT WILLIAMS ST. DURING LANE CLOSURES
9. CONSTRUCT THE SHOULDERS WITH STAGING
10. STAGE 3C THE END OF TURN LANE BRING BRING NEW PAVEMENT UP TO SHOULDER

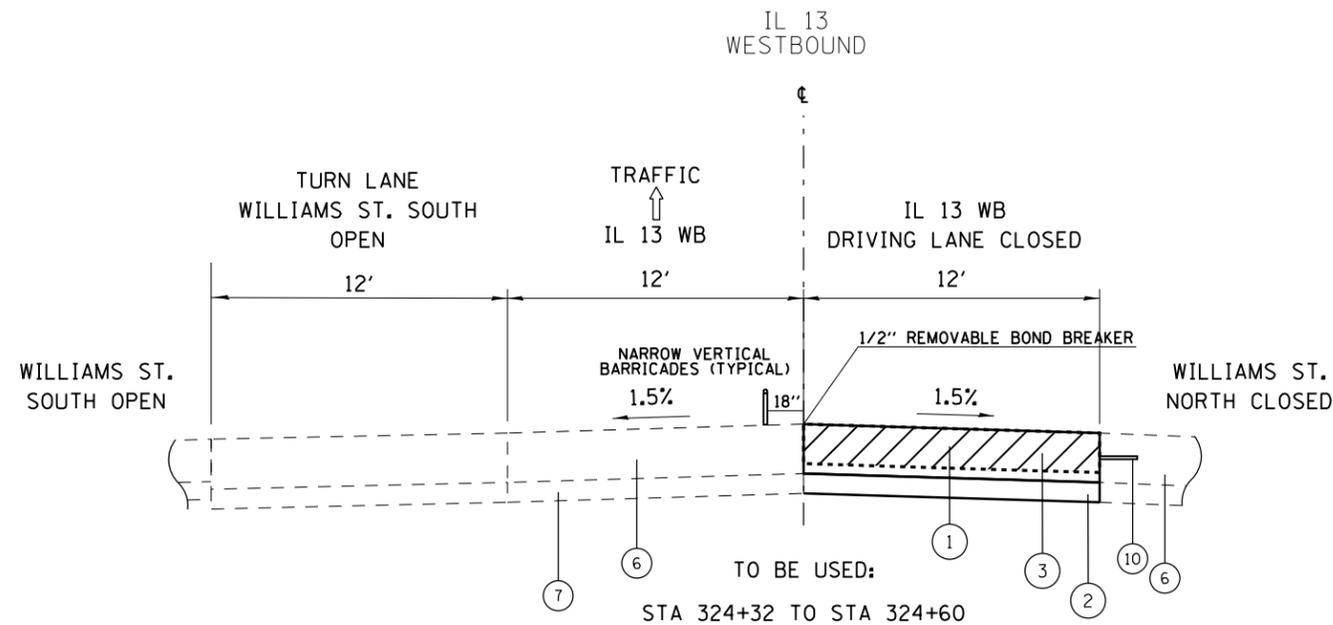
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pw:\IL\084EBIDINTEG\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 9\Projects\Con	DRAWN	2016\78468\CADData\CADsheets	78468\plan_wlms.dgn					331	D9 CM PATCH 2016-4	JACKSON	21	17
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 78468			ILLINOIS FED. AID PROJECT				
	PLOT DATE = 5/22/2015	DATE -	REVISED -	SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.		

STAGE 1A & 1B TYPICAL SECTION

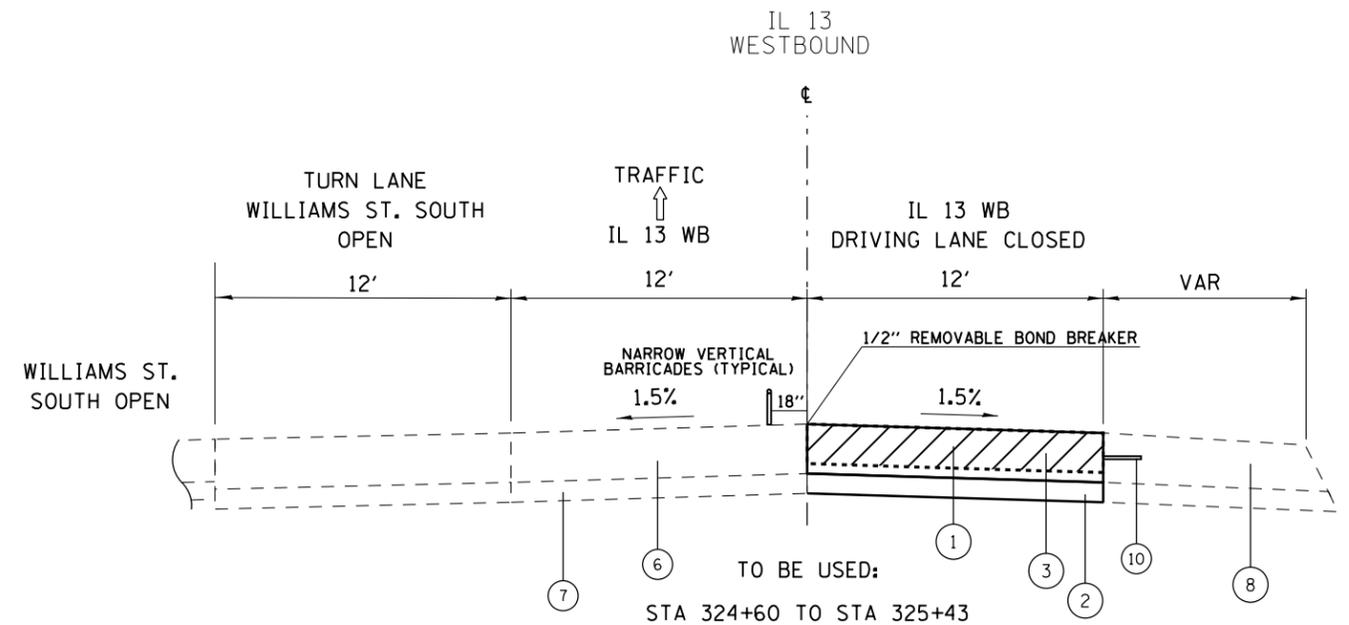


- ① PROPOSED PCC PAVEMENT JOINTED, 10"
- ② PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A 8"
- ③ PROPOSED PAVEMENT REMOVAL
- ④ PROPOSED PAVED SHOULDER REMOVAL
- ⑤ PROPOSED PCC SHOULDER, 10"
- ⑥ EXISTING PCC PAVEMENT
- ⑦ EXISTING SUBBASE
- ⑧ EXISTING BITUMINOUS SHOULDER
- ⑩ TIE BARS AT 30" CTRS. TO BE DRILLED AND EPOXY GROUTED INTO THE EXISTING CONCRETE PAVEMENT

STAGE 1C TYPICAL SECTION



STAGE 1D TYPICAL SECTION



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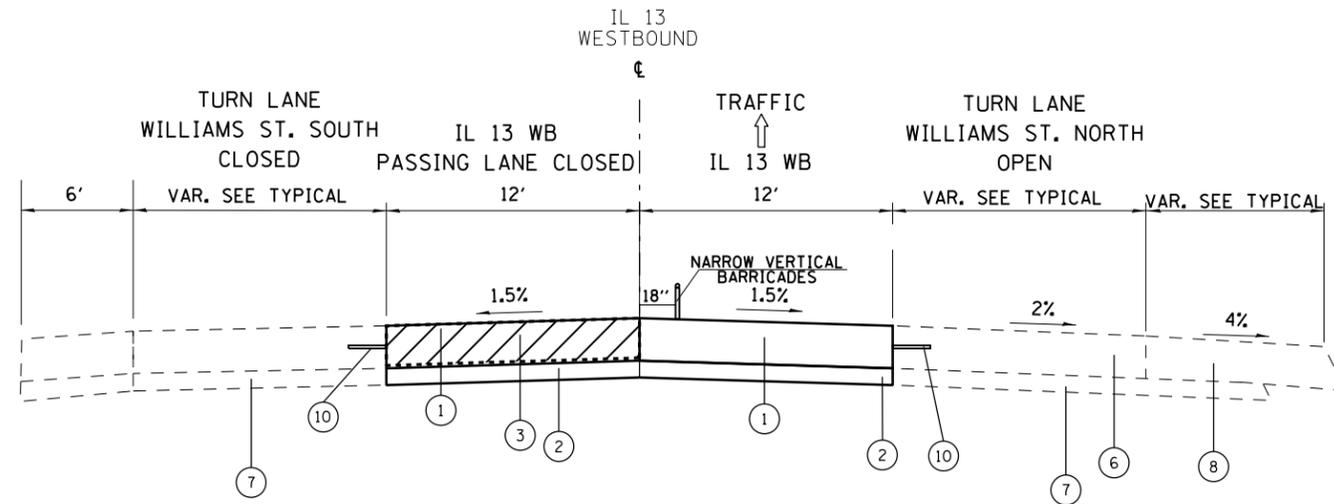
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING TYPICAL SECTIONS
STAGE 1

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	D9 CM PATCH 2016-4	JACKSON	21	18
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78468	

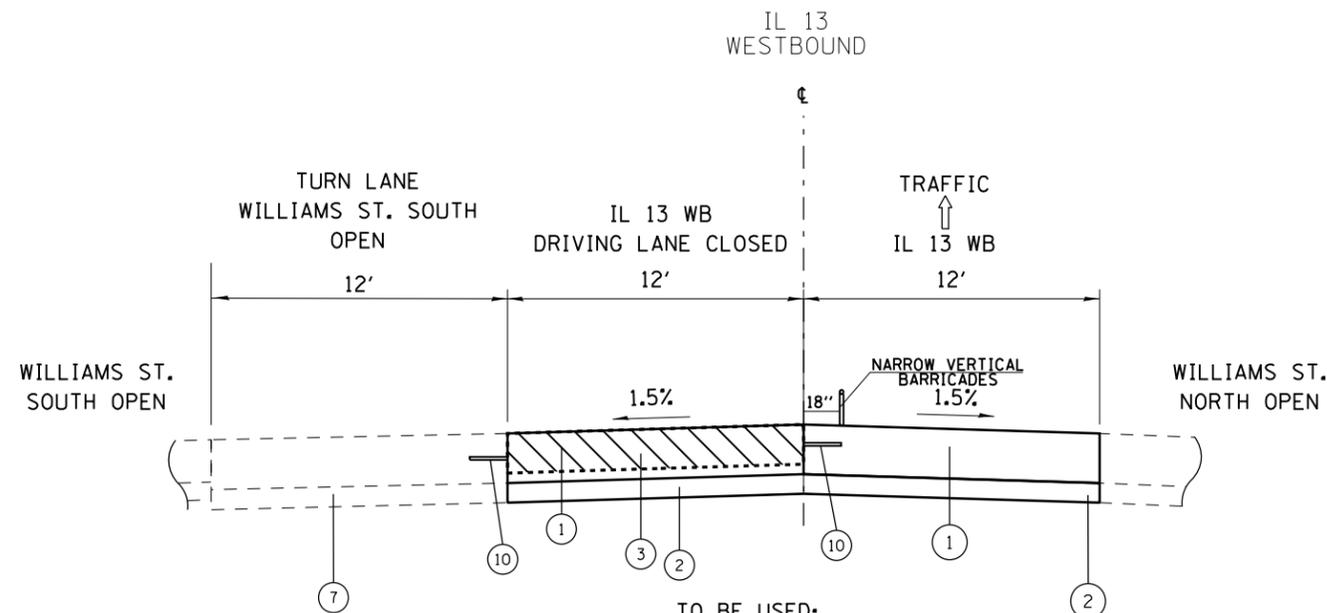
STAGE 2A & 2B TYPICAL SECTION



TO BE USED:
STA 318+33 TO STA 324+32

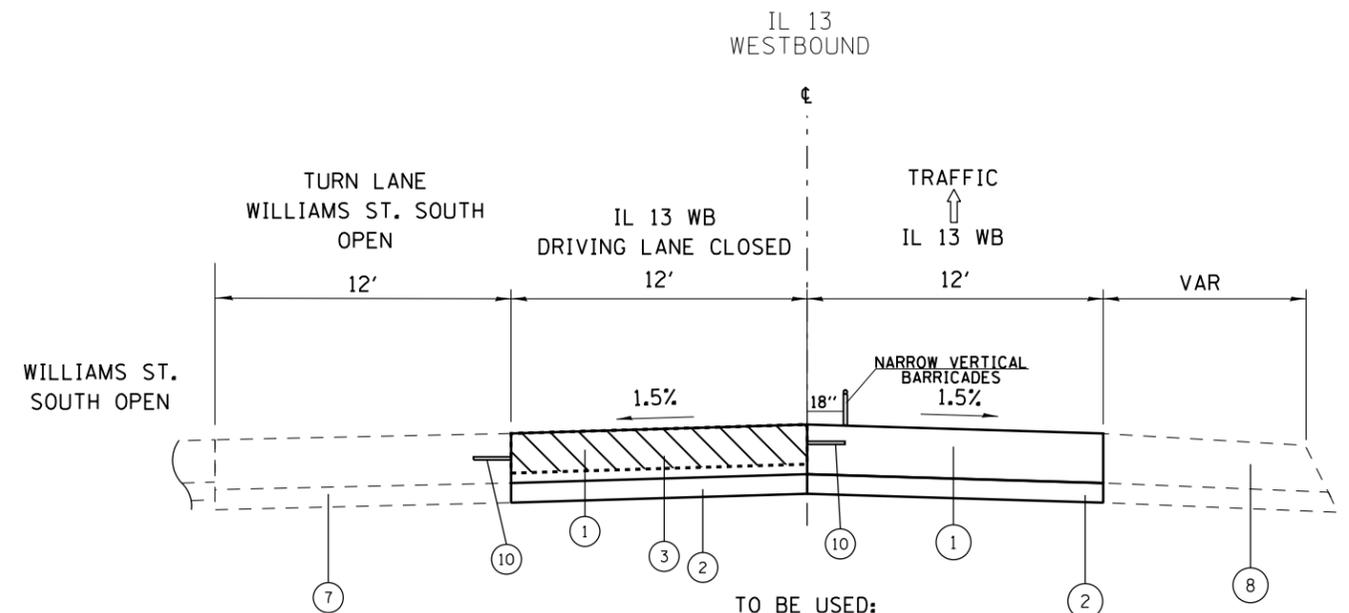
- ① PROPOSED PCC PAVEMENT JOINTED, 10"
- ② PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A 8"
- ③ PROPOSED PAVEMENT REMOVAL
- ④ PROPOSED PAVED SHOULDER REMOVAL
- ⑤ PROPOSED PCC SHOULDER, 10"
- ⑥ EXISTING PCC PAVEMENT
- ⑦ EXISTING SUBBASE
- ⑧ EXISTING BITUMINOUS SHOULDER
- ⑩ TIE BARS AT 30" CTRS. TO BE DRILLED AND EPOXY GROUTED INTO THE EXISTING CONCRETE PAVEMENT

STAGE 2C TYPICAL SECTION



TO BE USED:
STA 324+32 TO STA 324+60

STAGE 2D TYPICAL SECTION



TO BE USED:
STA 324+60 TO STA 325+43

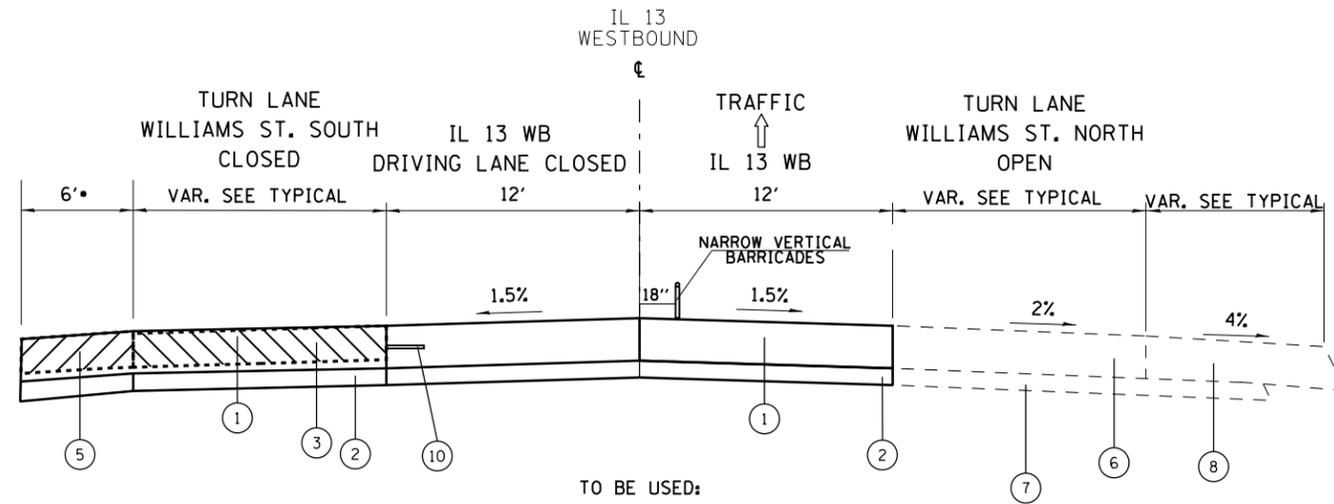
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		CHECKED -	REVISED -
Default	PLOT DATE = 5/15/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING TYPICAL SECTION			
STAGE 2			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	D9 CM PATCH 2016-4	JACKSON	21	19
CONTRACT NO. 78468			ILLINOIS FED. AID PROJECT	

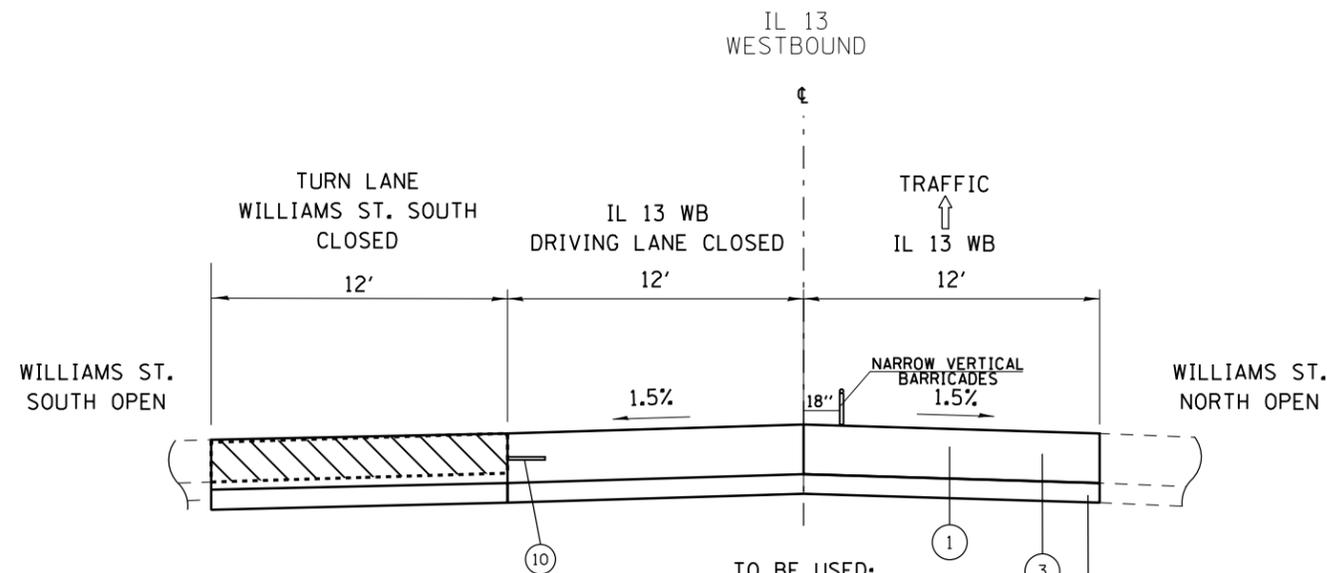
STAGE 3A TYPICAL SECTION



TO BE USED:
 STA 318+13 TO STA 323+84
 •STA 323+84 TO STA 324+40 NO SHOULDER

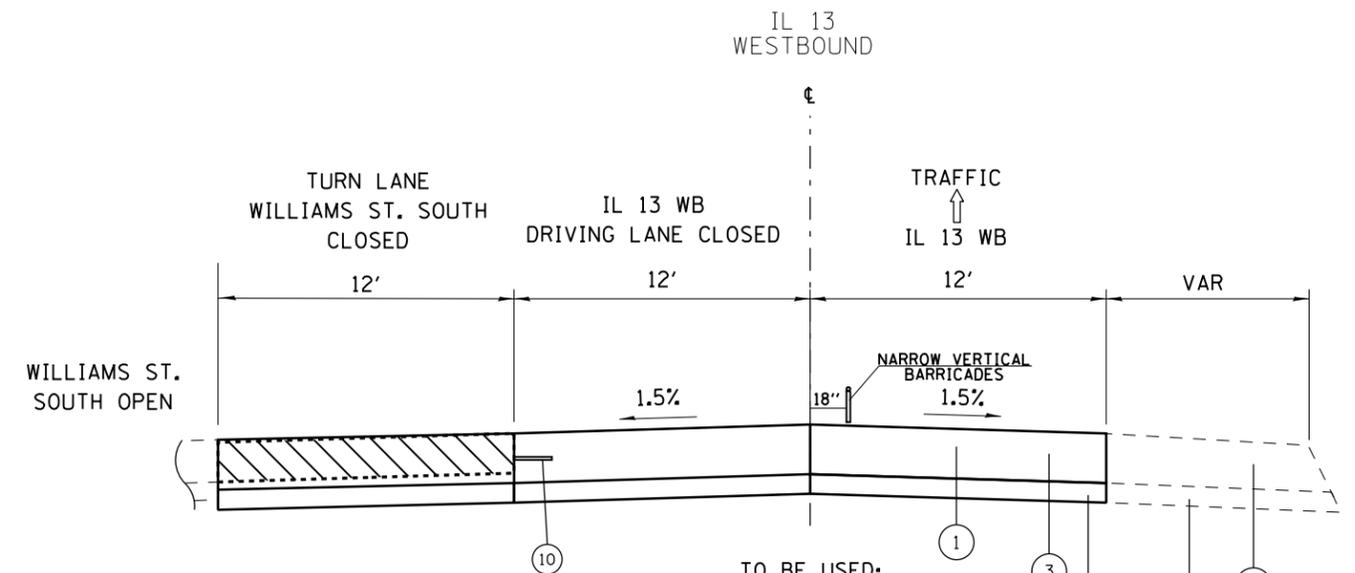
- ① PROPOSED PCC PAVEMENT JOINTED, 10"
- ② PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A 8"
- ③ PROPOSED PAVEMENT REMOVAL
- ④ PROPOSED PAVED SHOULDER REMOVAL
- ⑤ PROPOSED PCC SHOULDER, 10"
- ⑥ EXISTING PCC PAVEMENT
- ⑦ EXISTING SUBBASE
- ⑧ EXISTING BITUMINOUS SHOULDER
- ⑩ TIE BARS AT 30" CTRS. TO BE DRILLED AND EPOXY GROUTED INTO THE EXISTING CONCRETE PAVEMENT

STAGE 3B TYPICAL SECTION



TO BE USED:
 STA 324+40 TO STA 324+68

STAGE 3C TYPICAL SECTION



TO BE USED:
 STA 324+68 TO STA 325+11

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	PLOT DATE = 5/15/2015	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

STAGING TYPICAL SECTION STAGE 3			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	D9 CM PATCH 2016-4	JACKSON	21	20
CONTRACT NO. 78468			ILLINOIS FED. AID PROJECT	

DETAIL OF DETECTOR LOOPS

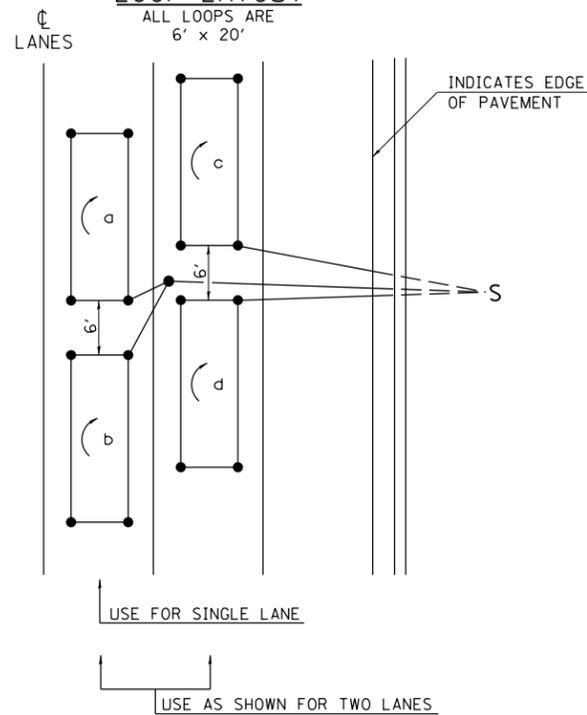
NOTES

1. THE DETECTOR LOOPS SHALL BE TYPE I. EACH DETECTOR LOOP SHALL HAVE 3 TURNS OF LOOP WIRE AND BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 886 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS.
2. BEGINNING LEAD WIRES SHALL BE CONNECTED TO THE BLACK LEAD AND THE ENDING LEAD WIRES SHALL BE CONNECTED TO THE WHITE LEAD OF THE TWIN TWISTED FEED CABLES AT THE SPLICE POINT.
3. WHERE THE LOOPS ARE INSTALLED PRIOR TO RESURFACING, THE LOOP CORNERS SHALL BE DIAGONALLY CUT.

LOOP LEGEND

- () CLOCKWISE ROTATION FOR LOOP WIRES
- S INDICATES SPLICE POINT FOR DETECTOR LOOP LEAD
- INDICATES 2" CORE-DRILL

LOOP LAYOUT



DETAIL 6' x 20' DETECTOR LOOPS

REVISIONS

REDRAWN	5-13-02	
REVISED	10-27-05	
REVISED	3-26-08	
REDRAWN	3-16-11	
REVISED	4-12-13	STD. 9-92

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		CHECKED -	REVISED -
Default	PLOT DATE = 5/15/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	D9 CM PATCH 2016-4	JACKSON	21	21
CONTRACT NO.			78468	
ILLINOIS FED. AID PROJECT				