

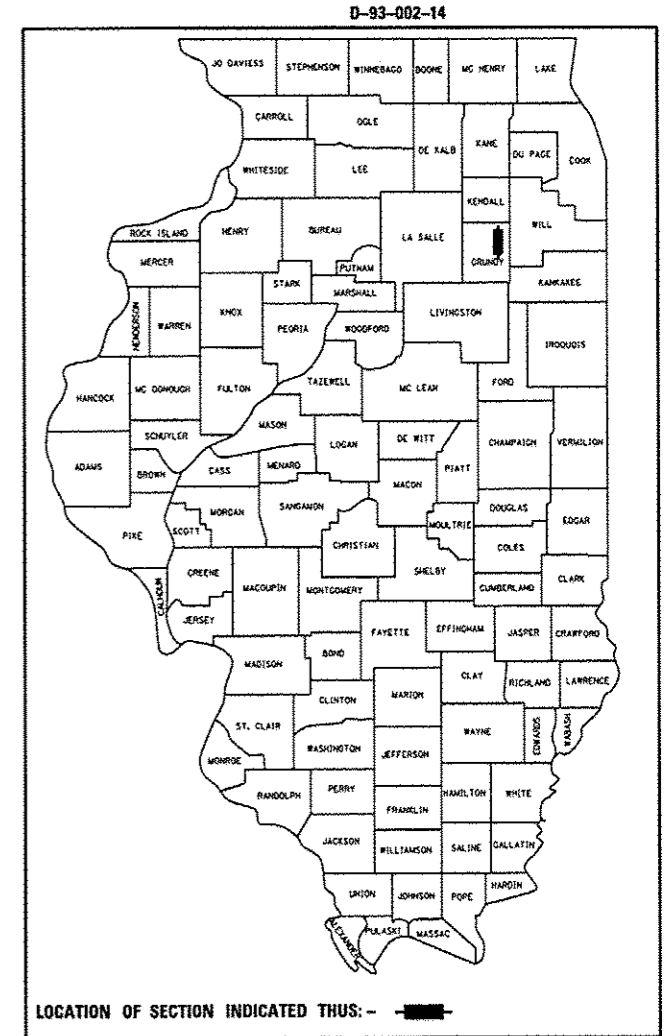
1. COVER SHEET
2. GENERAL NOTES
- 3-4. SUMMARY OF QUANTITIES
- 5-6. TYPICAL SECTIONS
7. TYPICAL URBAN PAVEMENT MARKING
8. SCHEDULES - NORTHBOUND & SOUTHBOUND LANES
9. SCHEDULES PAVEMENT MARKINGS
10. SUPPLEMENTAL CLASS B PATCHING DETAILS

**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**  
**PROPOSED**  
**HIGHWAY PLANS**

**FAP ROUTE 326 (IL 47)**  
**SECTION D3 PATCHING 2015-5**

**CLASS B PAVEMENT PATCHING**  
**GRUNDY COUNTY**

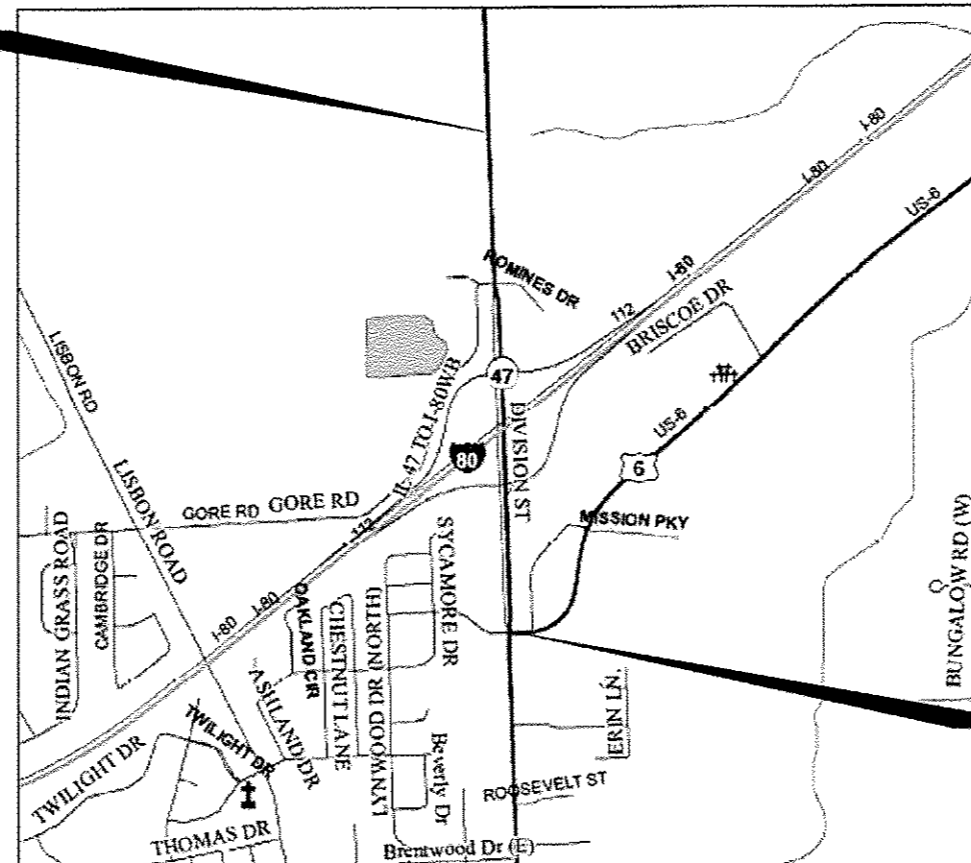
C-93-092-14



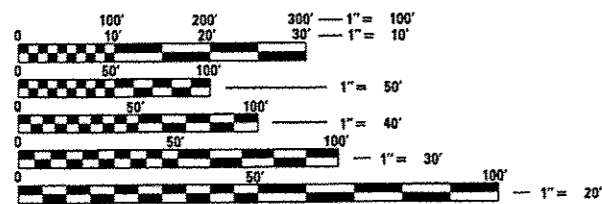
**STANDARDS**

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
420001-07	PAVEMENT JOINTS
442101-07	CLASS B PATCHES
701101-04	OFF-ROAD OPERATIONS MULTILANE, 15'(4.5 m) TO 24" (600mm) FROM PAVEMENT EDGE
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701602-07	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701701-09	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-05	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-03	TRAFFIC CONTROL DEVICES

**PROJECT BEGINS**  
**STA 95+00**  
**NORTH DIVISION ST.**



**PROJECT ENDS**  
**STA 51+00**  
**US 6 / GREEN ACRES DR.**



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

**DISTRICT 3 NO. (815) 434-6131**  
**PROJECT ENGINEER: JOE KANNEL, PE.**  
**UNIT CHIEF: RON WOODSHANK**  
**TOWNSHIP(S): MORRIS**

**CONTRACT NO. 66D70**

GROSS LENGTH = 4400 FT. = 0.83 MILE  
 NET LENGTH = 4400 FT. = 0.83 MILE

**FUNCTIONAL CLASSIFICATION**  
**OTHER PRINCIPAL ARTERIAL**

2013 ADT = 22,300  
 P.V. = 88.2%    S.U. = 3.9%    M.U. = 7.8%

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS

SUBMITTED: April 3, 2014  
Paul Costello, P.E.  
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 9, 2014  
John D. Baranzelli, P.E.  
 ENGINEER OF DESIGN AND ENVIRONMENT

May 9, 2014  
Chris Cannon, P.E.  
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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**OF THE STATE OF ILLINOIS**

**GENERAL NOTES**

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF WORK; HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

FOR STABILIZATION, ALL TYPE III BARRICADES WILL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

ALL EXCAVATED MATERIAL, WHICH INCLUDES DIGGING OR GRADING OF ANY SOIL OR FILL MATERIAL, WITH THE EXCEPTION OF AGGREGATE FILLS, MUST BE INCORPORATED WITHIN THE IDOT RIGHT OF WAY DUE TO ENVIRONMENTAL DOCUMENTATION REQUIREMENTS.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE PRESENCE OF DEPARTMENT-OWNED UNDERGROUND ELECTRICAL CABLE WITHIN THE LIMITS OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR SHALL REQUEST THE ILLINOIS DEPARTMENT OF TRANSPORTATION IN OTTAWA (815-434-8417) TO LOCATE THE UNDERGROUND FACILITIES, PROVIDING A MINIMUM OF 72 HOURS NOTICE. THE DEPARTMENT IS NOT A MEMBER OF THE JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS (JULIE) SYSTEM.

ALL DAMAGE TO DEPARTMENT OWNED UNDERGROUND FACILITIES, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTOR'S EXPENSE. THIS SHALL INCLUDE ALL TEMPORARY REPAIRS REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS. SPLICING OF ELECTRIC CABLE WILL NOT BE ALLOWED. ELECTRIC CABLE SHALL BE REPLACED FROM POLE TO POLE OR CONTROLLER.

RESIDENT ENGINEER SHALL DETERMINE EXACT LOCATIONS OF REMOVAL AND REPLACEMENT OF COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 AT THE TIME OF CONSTRUCTION.

**COMMITMENTS:**

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DISTRICT THREE

REVIEWED BY: *Tom Beaulieu*  
DISTRICT STUDIES & PLANS ENGINEER  
DATE: 04-03-14  
EXAMINED BY: *Herbert*  
DISTRICT CONSTRUCTION ENGINEER  
*Bruce A. Woodson*  
DISTRICT OPERATIONS ENGINEER  
*Bill*  
DISTRICT MATERIALS ENGINEER

FILE NAME =	USER NAME = woodshankr1	DESIGNED - YOGESH PATEL	REVISED - _____	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwork\woodshankr1\d0280953\3xxxxx-shd-details.dgn	DRAWN - YOGESH PATEL	REVISED - _____	326			D3 PATCHING 2015-5	GRUNDY	10	2	
#MODELNAME#	PLOT SCALE = 100.0000' / 1" =	CHECKED - RON WOODSHANK	REVISED - _____			CONTRACT NO. 66070				
	PLOT DATE = 4/2/2014	DATE - _____	REVISED - _____			ILLINOIS FED. AID PROJECT				
				SCALE: _____ SHEET 1 OF 1 SHEETS STA. _____ TO STA. _____						

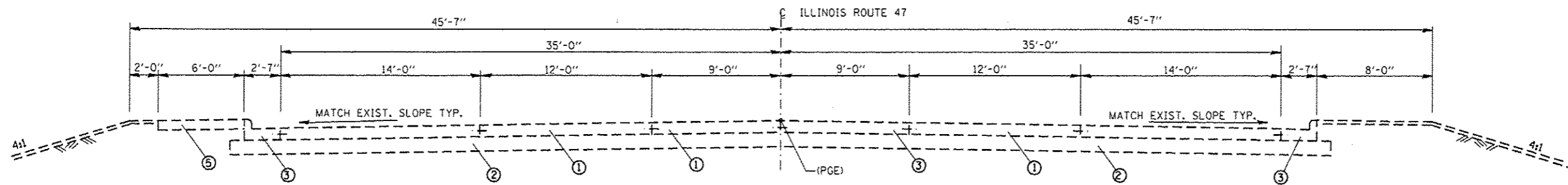
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				100% STATE
				ROADWAY
				0005
				URBAN
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	200	200
44200970	CLASS B PATCHES, TYPE II, 10 INCH	SQ YD	1133	1133
44200974	CLASS B PATCHES, TYPE III, 10 INCH	SQ YD	800	800
44200976	CLASS B PATCHES, TYPE IV, 10 INCH	SQ YD	365	365
44201299	DOWEL BARS 1 1/2"	EACH	3200	3200
44213100	PAVEMENT FABRIC	SQ YD	1166	1166
44213200	SAW CUTS	FOOT	9208	9208
44213204	TIE BARS 3/4"	EACH	136	136
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	200	200
67100100	MOBILIZATION	L SUM	1	1
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	3	3
70100825	TRAFFIC CONTROL AND PROTECTION, STANDARD 701456	L SUM	1	1
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1

14

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				100% STATE
				ROADWAY
				0005
				URBAN
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	50	50
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1
* 78003100	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS	SQ FT	360	360
* 78004230	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"	FOOT	720	720
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	1714	1714
* 78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	396	396
* X7830068	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS, NUMBERS AND SYMBOLS	SQ FT	360	360
* X7830072	GROOVING FOR RECESSED PAVEMENT MARKING 6"	FOOT	720	720
* X8860100	LOOP DETECTOR TESTING	EACH	5	5
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	42	42

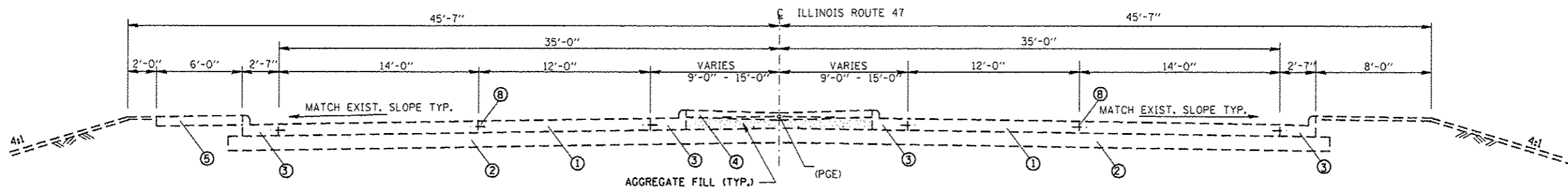
12

\*specialty item



**EXISTING PAVEMENT SECTION**

ILLINOIS ROUTE 47  
STA. 51+00± TO 55+18±

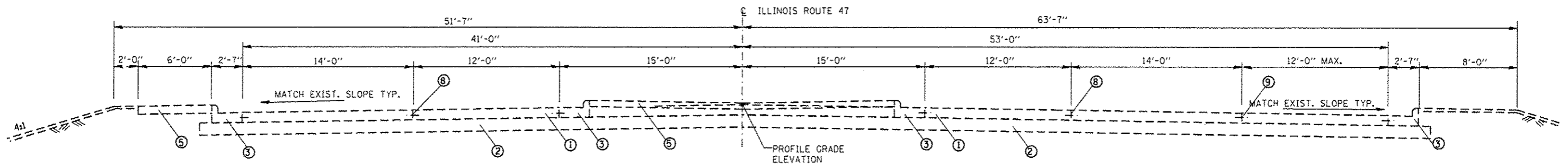


**EXISTING PAVEMENT SECTION**

ILLINOIS ROUTE 47  
STA. 55+18± TO 59+70±

**LEGEND**

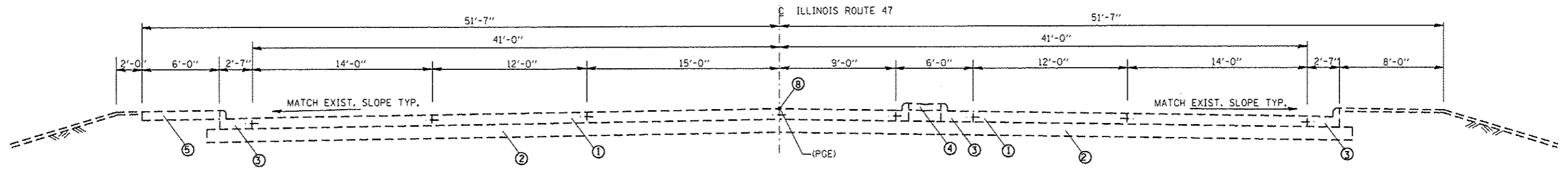
- ① EXIST. PCC PAVEMENT, 10" HINGE JOINTED
- ② EXIST. SUBBASE GRANULAR MATERIAL, TYPE A, 12"
- ③ EXIST. CCC AND G, TYPE B6.24
- ④ EXIST. CONCRETE MEDIAN SURFACE, 4"
- ⑤ EXIST. PCC SIDEWALK, 4"



**EXISTING PAVEMENT SECTION**

ILLINOIS ROUTE 47  
STA. 59+70± TO 65+00±

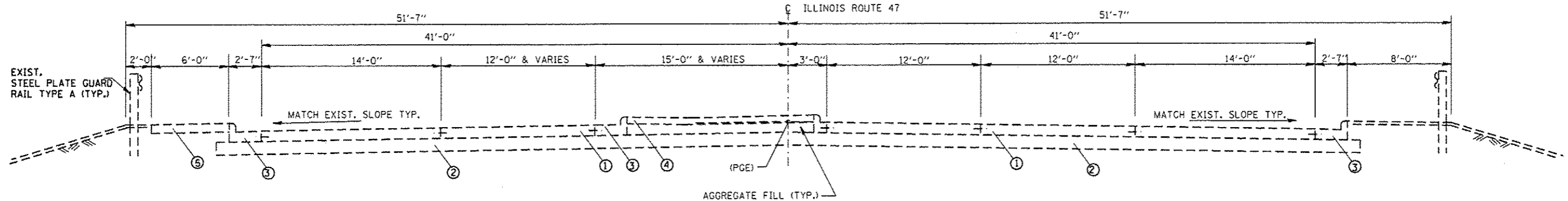
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	PLOT SCALE = 1/8" = 1' / in.	CHECKED - RON WOODSHANK	REVISED -			SCALE: _____	SHEET 1 OF 2 SHEETS	STA. _____ TO STA. _____	ILLINOIS FED. AID PROJECT CONTRACT NO. 66D70	
#MODELNAME#	PLOT DATE = 4/2/2014	DATE -	REVISED -							



**\*EXISTING PAVEMENT SECTION**

ILLINOIS ROUTE 47  
STA. 66+40± TO 69+43±

\* BRIDGE OMISSION  
STA 69+43 TO STA 71+97

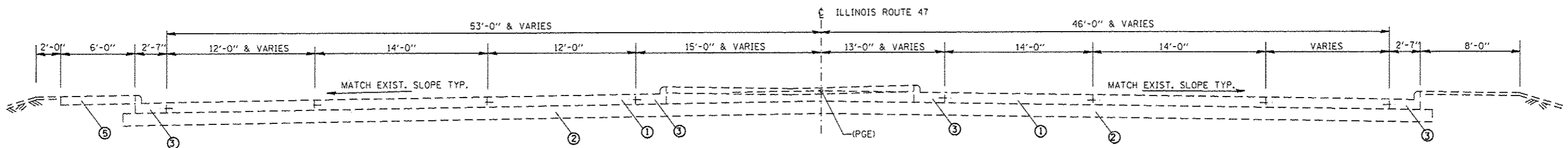


**EXISTING PAVEMENT SECTION**

ILLINOIS ROUTE 47  
STA. 71+97 TO 75+06±

**LEGEND**

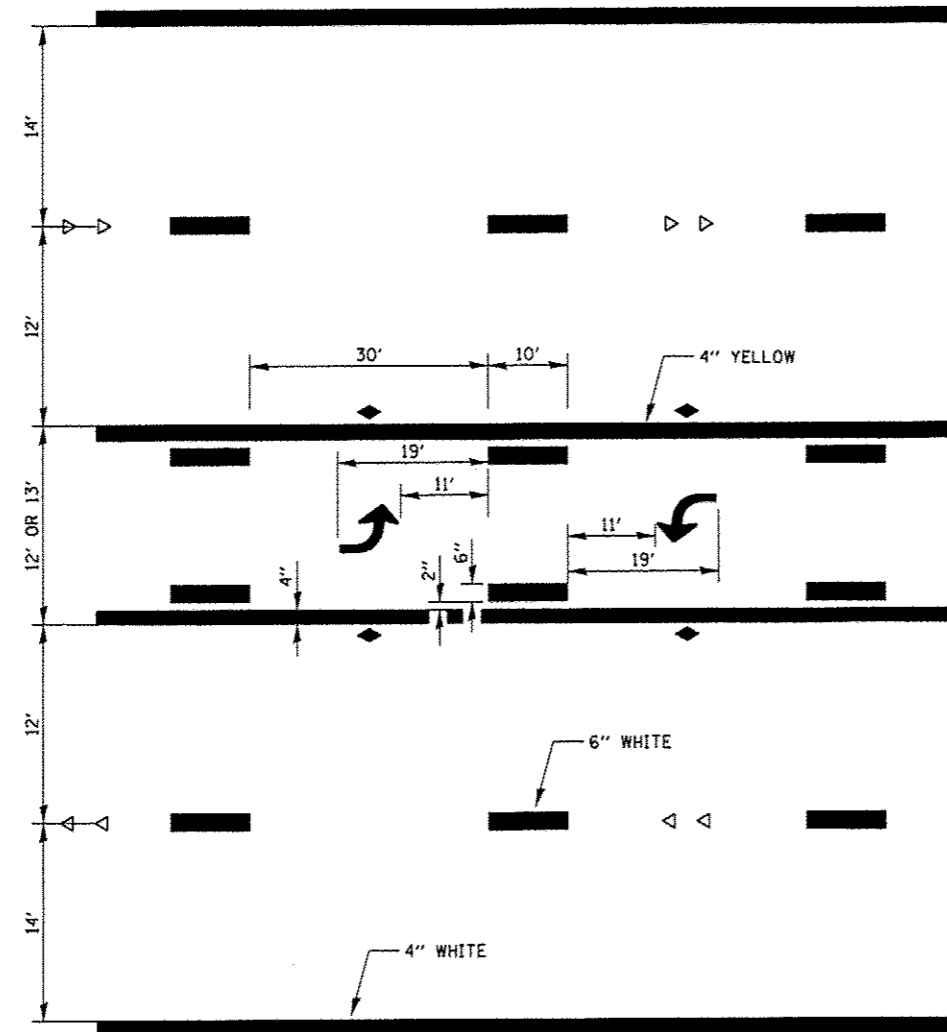
- ① EXIST. PCC PAVEMENT, 10" HINGE JOINTED
- ② EXIST. SUBBASE GRANULAR MATERIAL, TYPE A, 12"
- ③ EXIST. CCC AND G, TYPE B6.24
- ④ EXIST. CONCRETE MEDIAN SURFACE, 4"
- ⑤ EXIST. PCC SIDEWALK, 4"



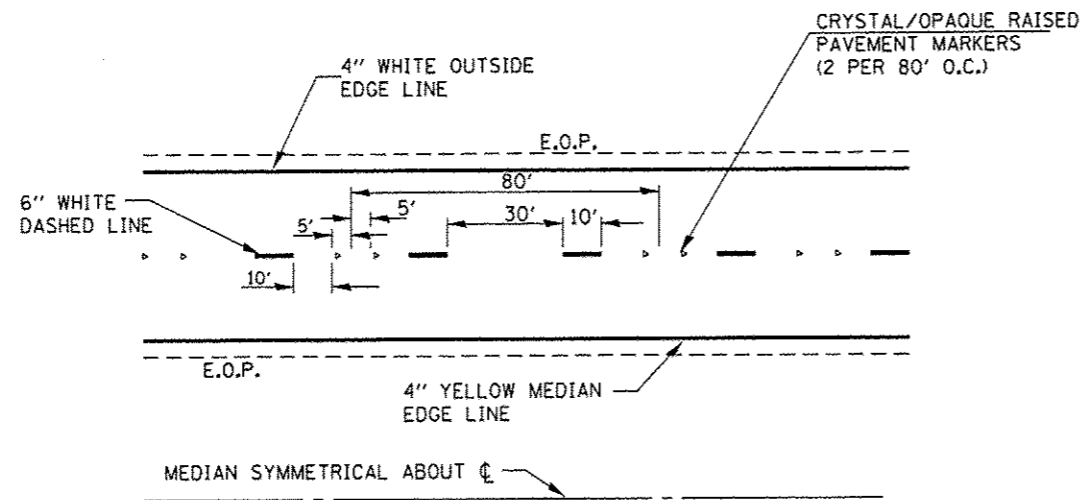
**EXISTING PAVEMENT SECTION**

ILLINOIS ROUTE 47  
STA. 77+75± TO 95+00±

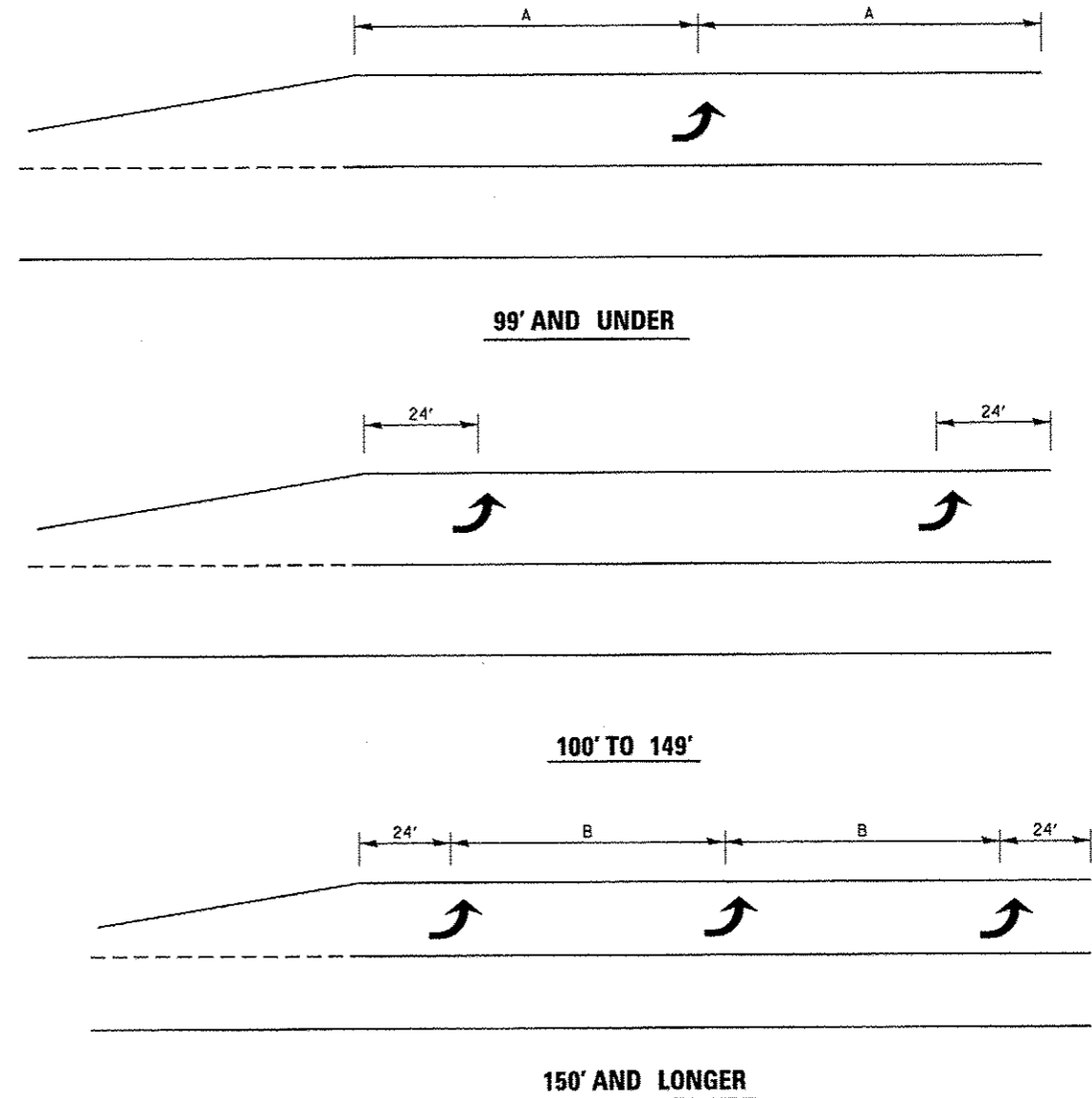
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01\pw\work\p\d\woodshankr1\d0309953	3xxxxx.sht-details.dgn	DRAWN - YOGESH PATEL	REVISED -		SCALE: _____	SHEET 2 OF 2 SHEETS	STA. _____ TO STA. _____	.326	D3 PATCHING 2015-5	GRUNDY	10	6
#MODELNAME#	PLOT SCALE = 1/8"=1'-0"	CHECKED - RON WOODSHANK	REVISED -									
	PLOT DATE = 4/2/2014	DATE -	REVISED -									



**TYPICAL APPLICATION  
TWO WAY LEFT TURN LANE (TWLTL)**



**TYPICAL PAVEMENT MARKINGS**



**TYPICAL PLACEMENT OF ARROWS  
IN TURN LANES**

FILE NAME =	USER NAME = woodshankr1	DESIGNED - YOGESH PATEL	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL URBAN PAVEMENT MARKING</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwork\woodshankr1\d2388953	3xxxxx-shd-details.dgn	DRAWN - YOGESH PATEL	REVISED -		326	D3 PATCHING 2015-5	GRUNDY	10	7		
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	PLOT DATE = 4/2/2014	DATE -	REVISED -								



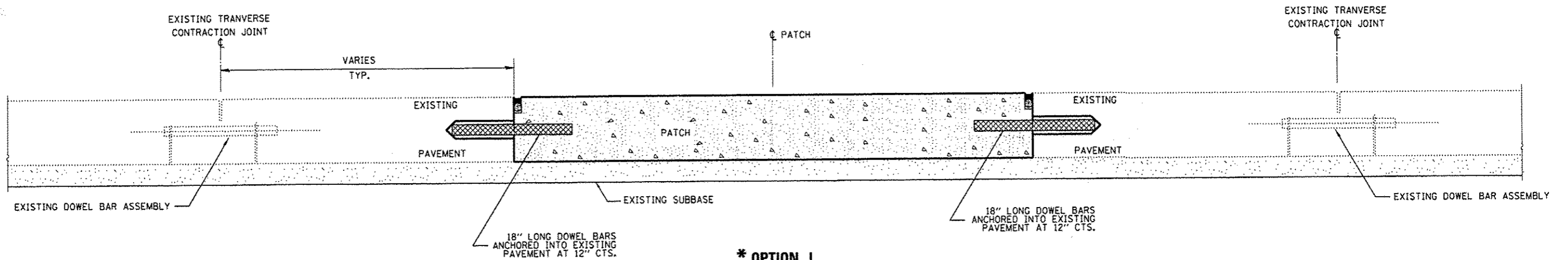


SCHEDULE NORTHBOUND LANES PAVEMENT MARKING				
LOCATION  STATION	MODIFIED URETHANE PAVEMENT MARKING LINE 4"	PREFORMED PLASTIC PAVEMENT MARKING TYPE B - 6"	GROOVING FOR RECESSED PAVEMENT MARKING 6"	MODIFIED URETHANE PAVEMENT MARKING LINE 8"
	FEET YELLOW WHITE	FEET WHITE	FEET WHITE	FEET WHITE
51+77	30	30	10	10
52+25	10	10	10	10
52+43	8	8	10	10
52+71	18	18	10	10
53+16	6	6	10	10
53+31	6	6	10	10
53+70	25	25	10	10
55+51		32	10	10
56+35	8	8	10	10
57+25	6	6	10	10
57+71	6	6	10	10
58+61	12	12	10	10
60+41	8	16	10	10
60+84	10	10	10	10
61+77	10	10	10	10
62+68		12	10	10
63+47		30	10	10
64+57		10	10	10
64+94		10	10	10
74+12	18	36	10	10
75+10	36	18	10	10
75+69		10	10	10
75+70	10			10
75+85	10	20	10	10
76+41	18	10	10	10
76+90		6		10
79+01		15	10	10
79+55	6		10	10
81+68		6	10	10
83+91	15	30	10	10
85+39	10	20	10	10
86+78	6	6	10	10
88+18	6	12	10	10
89+03	6		10	10
89+37	18	36	10	10
89+51		6		10
89+79	8	16	10	10
90+95	8	24	10	10
SUB TOTAL	338	536		
TOTAL	874	350	350	186

SCHEDULE SOUTHBOUND LANES PAVEMENT MARKING				
LOCATION  STATION	MODIFIED URETHANE PAVEMENT MARKING LINE 4"	PREFORMED PLASTIC PAVEMENT MARKING TYPE B - 6"	GROOVING FOR RECESSED PAVEMENT MARKING TYPE B - 6"	MODIFIED URETHANE PAVEMENT MARKING LINE 8"
	FEET YELLOW WHITE	FEET WHITE	FEET WHITE	FEET WHITE
94+05	8	8	10	10
91+10	10	28	10	10
89+37	18	36	10	10
88+18	6	12	10	10
86+78	6	12	10	10
83+38	34	34	10	10
82+88	6	6	10	10
82+23	12	6	10	10
80+63	12	6	10	10
80+04	6		10	10
79+55	6	6	10	10
78+72	12	6	10	10
78+85	6	6	10	10
77+31	12	6	10	10
74+58	18	36	10	10
64+94	20	10	10	10
64+04	20	10	10	10
63+15	15		10	10
62+74	8		10	10
61+77	10	10	10	10
60+41	6	6	10	10
59+07	6	6	10	10
58+29	6	6	10	10
57+40	6	6	10	10
57+25	8	8	10	10
57+10	6	6	10	10
56+79	8	8	10	10
56+51	6	15	10	10
56+35	17	17	10	10
56+19	17	8	10	10
55+43	6	6	10	10
54+81	6	6	10	10
53+70	32	32	10	10
53+16	6	6	10	10
52+71	34	17	10	10
52+25	8	8	10	10
51+77	12	6	10	10
SUB TOTAL	435	405		
TOTAL	840	370	370	210

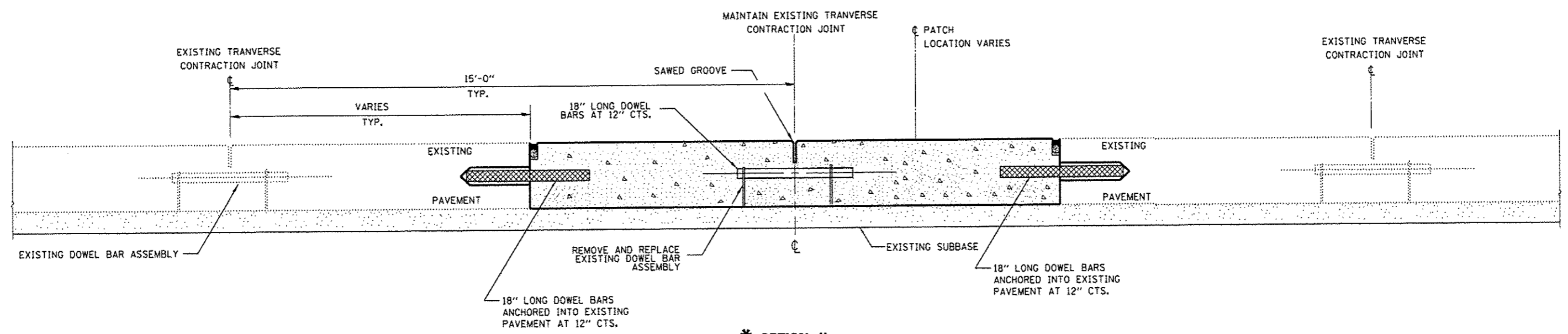
NORTHBOUND LANES PREFORMED PLASTIC PAVEMENT MARKING TYPE B - LETTERS, NUMBERS SYMBOLS & GROOVING		
SYMBOL TYPE	SIZE	QUANTITY
	SQ FT	EACH
LEFT OR RIGHT ARROW	15.6	14
TOTAL (SQ FT) GROOVING LT N & SYM		219
TOTAL (SQ FT) PREF PL PM TB LT & SYM		219

SOUTHBOUND LANES PREFORMED PLASTIC PAVEMENT MARKING TYPE B - LETTERS & SYMBOLS & GROOVING		
SYMBOL TYPE	SIZE	QUANTITY
	SQ FT	EACH
LEFT OR RIGHT ARROW	15.6	9
TOTAL (SQ FT) GROOVING LT, N, & SYM		141
TOTAL (SQ FT) PREF PL PM TB LT & SYM		141



**\* OPTION I**

WHEN PATCHING LIMITS ARE WITHIN EXISTING TRANVERSE CONTRACTION JOINTS.



**\* OPTION II**

WHEN PATCHING LIMITS ARE BETWEEN EXISTING TRANVERSE CONTRACTION JOINTS, EXISTING DOWEL BAR ASSEMBLIES FROM EXISTING TRANVERSE JOINTS SHALL BE REMOVED AND REPLACED. COST INCLUDED IN CLASS B PATCHING.

\* THIS DETAIL TO BE USED IN CONJUNCTION WITH STANDARDS: 420001-02-PAVEMENT JOINTS AND 442101-07-CLASS B PATCHES

FILE NAME *	USER NAME = woodshankr	DESIGNED - YOGESH PATEL	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUPPLEMENTAL CLASS B PATCHING DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	c:\pwork\pwork\woodshankr\140300953\03xxxx-shs-detail.dgn	DRAWN - YOGESH PATEL	REVISED - _____			.326	03 PATCHING 2015-5	GRUNDY	10	10
#MODELNAME*	PLOT SCALE = 1/32" = 1' / in.	CHECKED - RON WOODSHANK	REVISED - _____	SCALE: _____	SHEET 1 OF 1 SHEETS	STA. _____ TO STA. _____	ILLINOIS FED. AID PROJECT			
	PLOT DATE = 4/27/2014	DATE - _____	REVISED - _____				CONTRACT NO. 66D70			