

08-02-13 LETTING ITEM 045

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

F.A.P. ROUTE 704 (I-55 BUSN, VETERAN'S PKWY)
SECTION D5 MICRO 2014-1

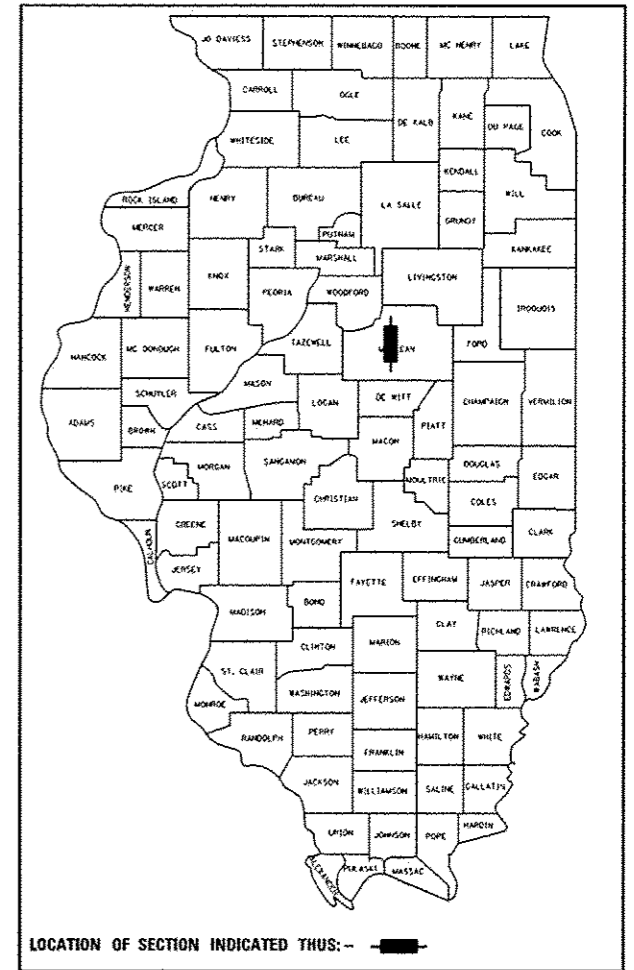
MICROSURFACING
MCLEAN COUNTY

C-95-027-13

CLEARWATER AVE TO I-55 IN NORMAL

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	D5 MICRO 2014-1	MCLEAN	25	1
		ILLINOIS	CONTRACT NO. 70A36	

D-95-027-13



FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR SUMMARY OF QUANTITIES SEE SHEET NO. 3

CURRENT TRAFFIC DATA

	LEG A	LEG B	LEG C	LEG D	LEG E	LEG F	LEG G
2013 ADT	43,500	45,900	39,400	34,800	28,900	22,400	19,800
P.U. %	90.9	94.6	93.9	94.5	94.9	93.8	93.9
S.U. %	6.0	2.0	2.7	2.2	2.2	3.3	3.1
M.U. %	3.1	3.4	3.4	3.3	2.9	2.9	3.0

LEG "A" IS I-55B FROM CLEARWATER AVENUE TO G.E. ROAD
LEG "B" IS I-55B FROM G.E. ROAD TO JUMER DRIVE
LEG "C" IS I-55B FROM JUMER DRIVE TO COLLEGE AVENUE
LEG "D" IS I-55B FROM COLLEGE AVENUE TO PARKWAY PLAZA DRIVE
LEG "E" IS I-55B FROM PARKWAY PLAZA DRIVE TO FT. JESSE ROAD
LEG "F" IS I-55B FROM FT. JESSE ROAD TO SHEPARD ROAD
LEG "G" IS I-55B FROM SHEPARD ROAD TO F.A.I. 55

DESIGN DESIGNATION

IVA

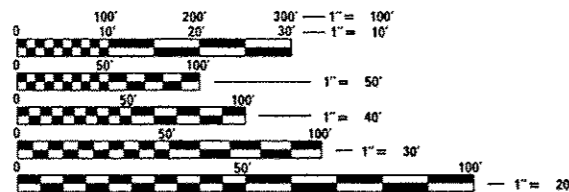
BRIDGE OMISSION
S.N. 057-0228
STA. 305+08.00 TO
STA. 307+62.00

F.A.P. 704 SECTION BEGINS:
STA. 277+06.00
(INTERSECTION OF F.A.P. 704
AND CLEARWATER AVE)

STATION EQUATION
STA 392+10.00 (BK) =
STA 392+00.00 (AH)

F.A.P. 704 SECTION ENDS:
STA. 395+00.00
(S. END OF S.N. 057-0069)

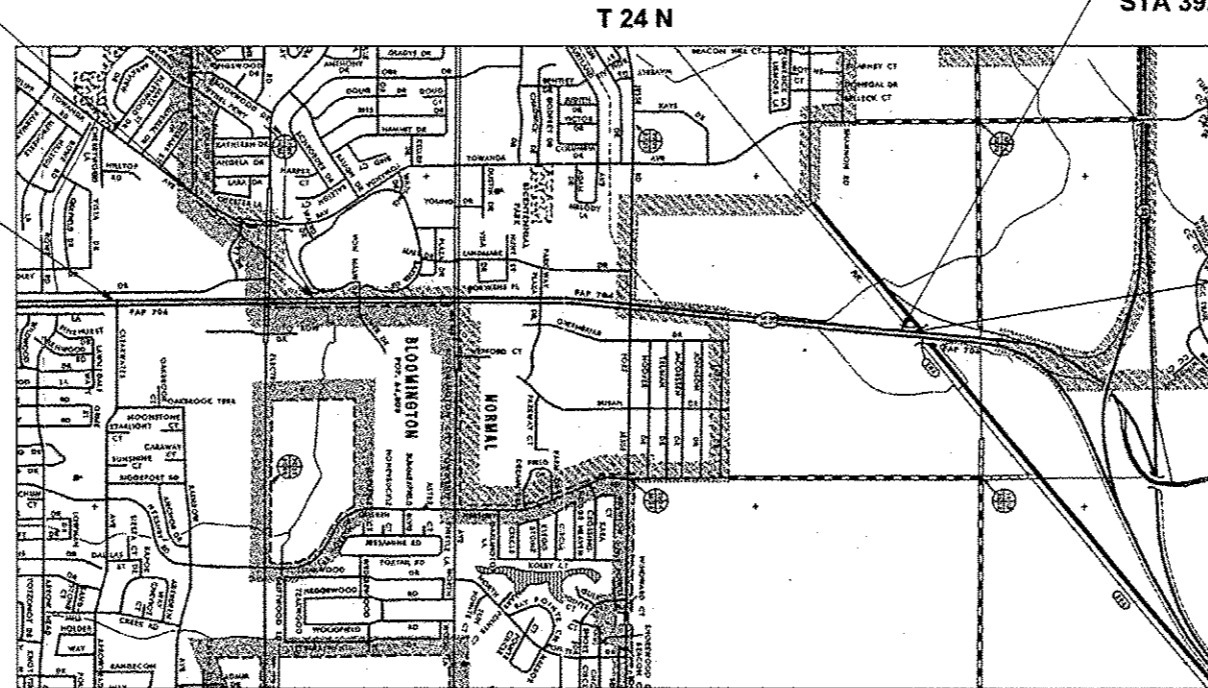
R 2 E



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 (NORMAL TOWNSHIP)

PROJECT ENGINEER: NANCY FASIG
SQUAD LEADER: BRIAN J. HOGAN
DESIGNER: BENJAMIN J. DETERS
CONTRACT NO. 70A36



GROSS LENGTH = 11,804.00 FT. = 2.236 MILE
NET LENGTH = 11,550.00 FT. = 2.187 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED MAY 22 20 13
Joseph E. Crowley
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

June 28 20 13
John D. Baranzelli, P.E.
acting ENGINEER OF DESIGN AND ENVIRONMENT

June 28 20 13
Omer Omerhan, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

INDEX OF SHEETS

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
1	COVER SHEET
2	INDEX OF SHEETS
2	HIGHWAY STANDARDS
2	GENERAL NOTES
3	SUMMARY OF QUANTITIES
4-17	TYPICAL SECTIONS
18-21	SCHEDULE OF QUANTITIES
22-25	PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)

HIGHWAY STANDARDS

<u>STANDARD NO.</u>	<u>DESCRIPTION</u>
000001 - 06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
701422 - 05	LANE CLOSURE, MULTILANE, FOR SPEEDS \geq 45 MPH TO 55 MPH
701426 - 05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS \geq 45 MPH
701427 - 01	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS \leq 40 MPH
701701 - 08	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901 - 02	TRAFFIC CONTROL DEVICES
780001 - 03	TYPICAL PAVEMENT MARKINGS
781001 - 03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

GENERAL NOTES

G. N. -100
ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.

G. N. -100A
ELECTRONIC FILES AND/OR ELECTRONIC SURVEY INFORMATION INCLUDING CADD FILES WILL NOT BE AVAILABLE TO THE CONTRACTOR.

G. N. -703A
SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE PAVEMENT AFTER ANY OF THE FOLLOWING: COLD MILLING AND/OR PLACING BITUMINOUS MATERIALS (PRIME COAT), LEVELING BINDER (MACHINE METHOD), BINDER AND SURFACE COURSES. SHORT TERM PAVEMENT MARKING PLACED ON THE SURFACE, SHALL COINCIDE WITH THE FINAL PAVEMENT STRIPING. SHORT TERM PAVEMENT MARKING PLACED PRIOR TO THE SURFACE SHALL COINCIDE WITH THE EXISTING PAVEMENT MARKINGS. USE 4 FEET PER 40 FEET (OR 10% PER STATION).

G. N. -703-SPL
PAINT WILL NOT BE ALLOWED TO BE USED FOR SHORT TERM PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKINGS. PAVEMENT MARKING TAPE SHALL BE USED AT ALL LOCATIONS WHERE WORK ZONE PAVEMENT MARKINGS ARE CALLED OUT IN THE PLANS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

G. N. -781
RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH STANDARD 781001, AND THE DETAILS SHOWN IN THE PLANS. IF THERE IS ANY DISCREPANCY BETWEEN THE STANDARD AND THE DETAILS IN THE PLANS, THE DETAILS IN THE PLANS SHALL GOVERN. THE FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING THE RAISED REFLECTIVE PAVEMENT MARKERS AND THE RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED MIDWAY IN THE 30 FOOT (9 m) SPACE BETWEEN THE DASHED CENTERLINE STRIPES (WHEN APPLICABLE).

NO COMMITMENTS

FILE NAME *	USER NAME * detersb	DESIGNED - BJH 5/9/2013	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, GENERAL NOTES, & HIGHWAY STANDARDS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwork\puidot\detersb\0345695\057	0436-shr-gennote.dgn	DRAWN -	REVISED -			704	D5 MICRO 2014-1	MCLEAN	25	2	
	PLOT SCALE * 40.0000 "/ in.	CHECKED -	REVISED -			CONTRACT NO. 70A36					
#MODELNAME#	PLOT DATE * 5/23/2013	DATE -	REVISED -			SCALE:	SHEET 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

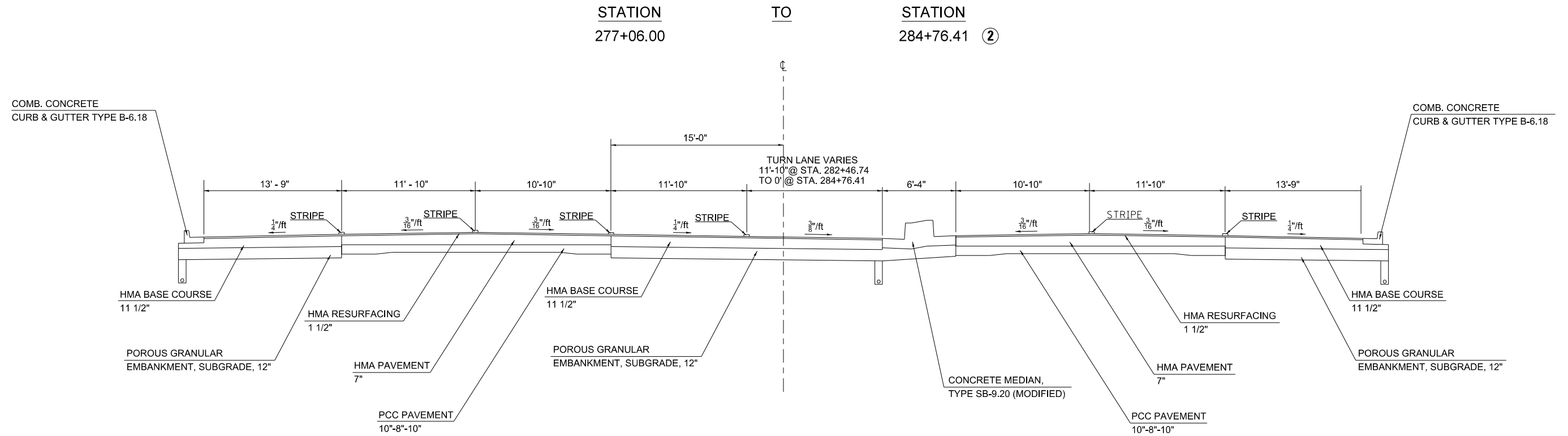
SUMMARY OF QUANTITIES

LOCATION OF WORK: FAP 704 (I-55BUSN/VET'S PKWY)
 URBAN
 OTHER PRINCIPAL ARTERIAL
 STA. 279+25 TO STA. 395+00
 MCLEAN COUNTY
 FUNDING BREAKOUT: 100% STATE
 CONSTRUCTION TYPE CODE: 0005

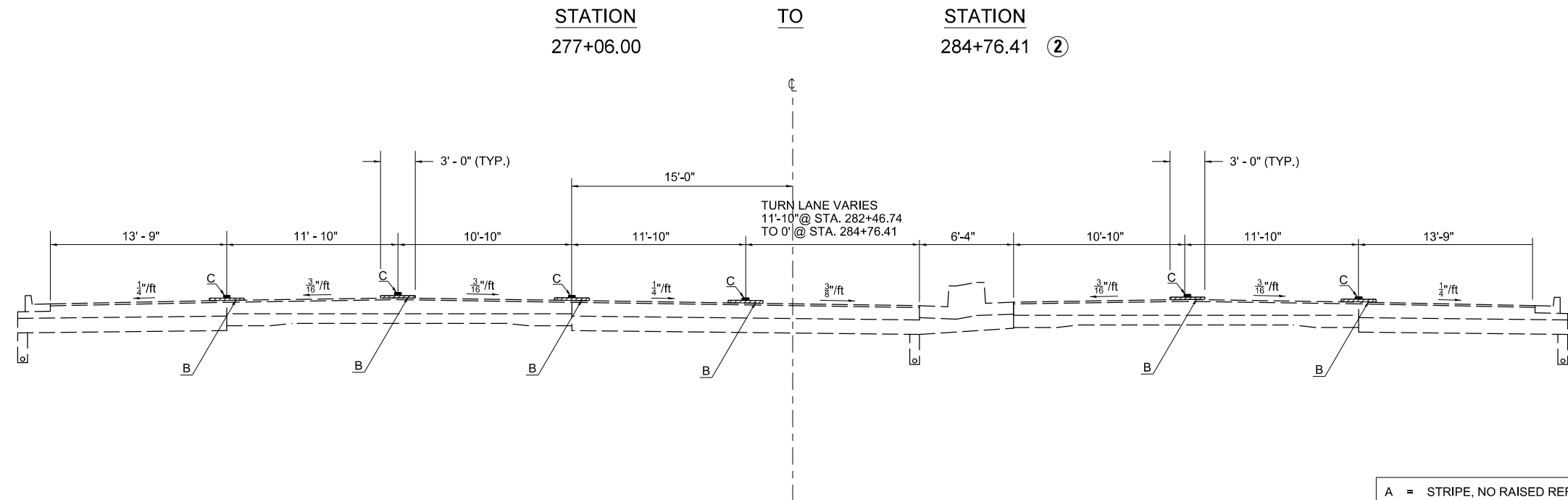
CODE NO.	ITEM	UNIT	TOTAL QUANTITY
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2,420.0
67100100	MOBILIZATION	L SUM	1.0
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1.0
70300100	SHORT TERM PAVEMENT MARKING	FOOT	5,830.0
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1,950.0
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	27,580.0
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1,410.0
78300100	PAVEMENT MARKING REMOVAL	SQ FT	9,200.0
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1,410.0
X0326218	FIBER-MODIFIED ASPHALT CRACK SEALING	FOOT	72,590.0
X0326240	MICRO-SURFACING TEST STRIP	EACH	1.0
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1.0
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	14.0
Z0063804	MICRO-SURFACING, SINGLE PASS, TYPE II, MIXTURE D	SQ YD	24,200.0
* DENOTES SPECIALTY ITEM			

NOTE: STATIONING BASED ON P.O.T. AT
 FAP 704/CLEARWATER AVE. INTERSECTION
 ENGLISH STA. 278+00.68 = METRIC STA. 11+585.039

EXISTING TYPICAL CROSS SECTION FAP 704 (I-55 BUS) ①



PROPOSED TYPICAL CROSS SECTION FAP 704 (I-55 BUS) ①

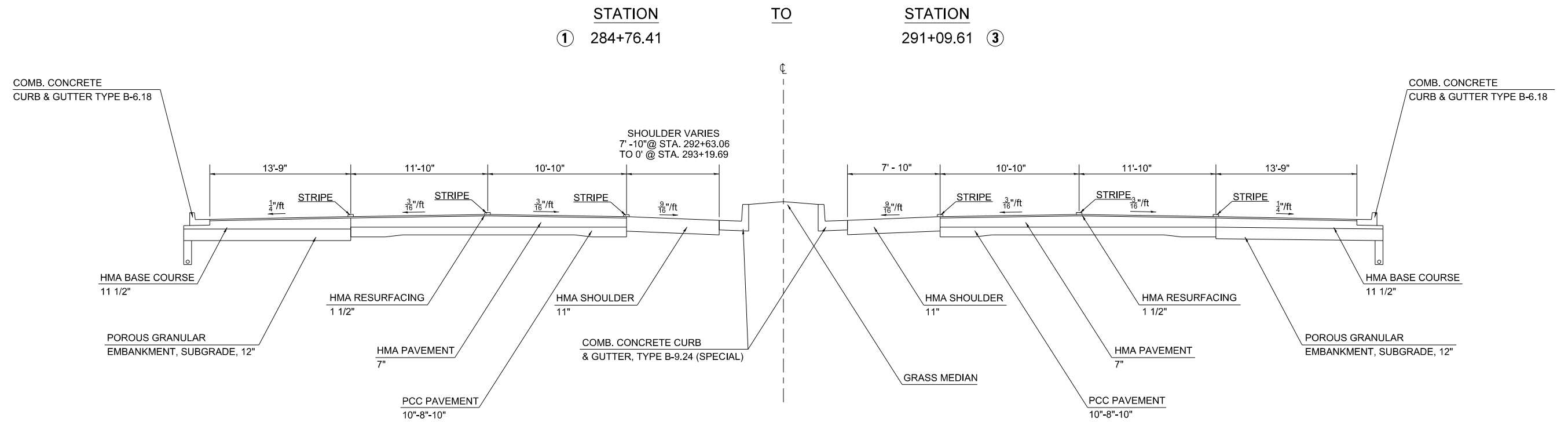


- A = STRIPE, NO RAISED REFLECTIVE PAVEMENT MARKER
- B = MICRO-SURFACING, SINGLE PASS, TYPE 2, MIXTURE D (20 LBS/SQ YD)
- C = STRIPE/RAISED REFLECTIVE PAVEMENT MARKER

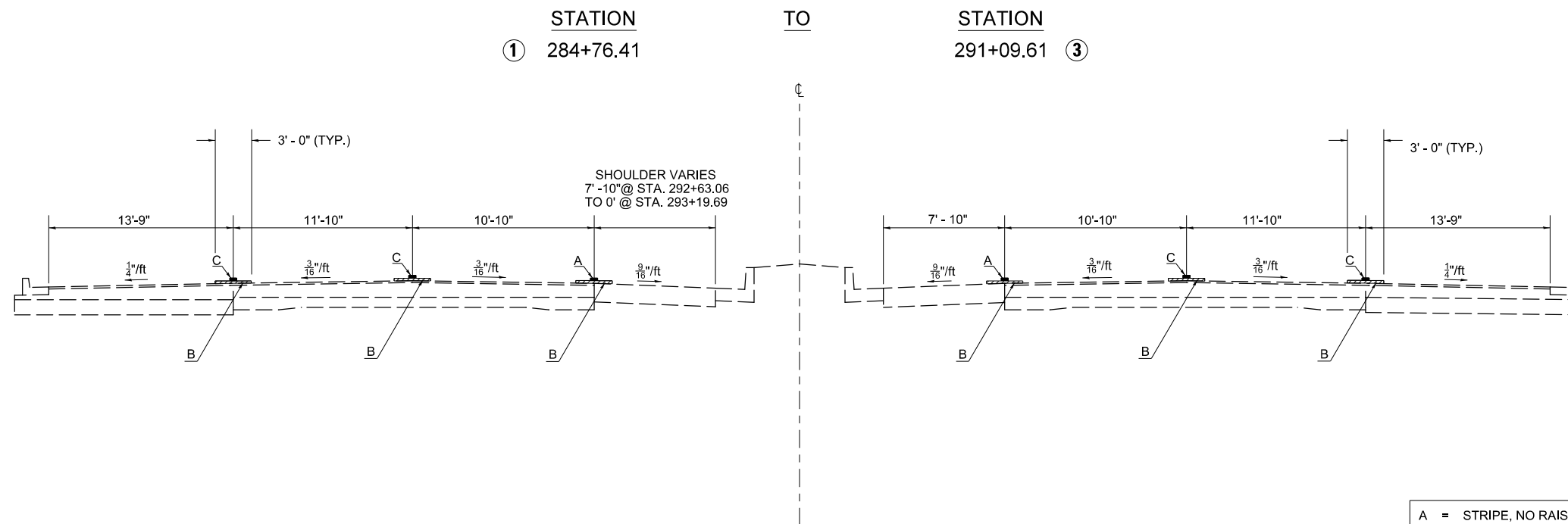
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ci:\pw\work\p\idot\detersbj\0345695\0570A36-sht-typical.dgn	DRAWN -	REVISED -	704					D5 MICRO 2014-1	MCLEAN	25	4	
#MODELNAME#	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 70A36			ILLINOIS FED. AID PROJECT				
	PLOT DATE = 5/23/2013	DATE -	REVISED -		SCALE:	SHEET 1 OF 14 SHEETS	STA.	TO STA.				

NOTE: STATIONING BASED ON P.O.T. AT
 FAP 704/CLEARWATER AVE. INTERSECTION
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EXISTING TYPICAL CROSS SECTION FAP 704 (I-55 BUS) ②



PROPOSED TYPICAL CROSS SECTION FAP 704 (I-55 BUS) ②



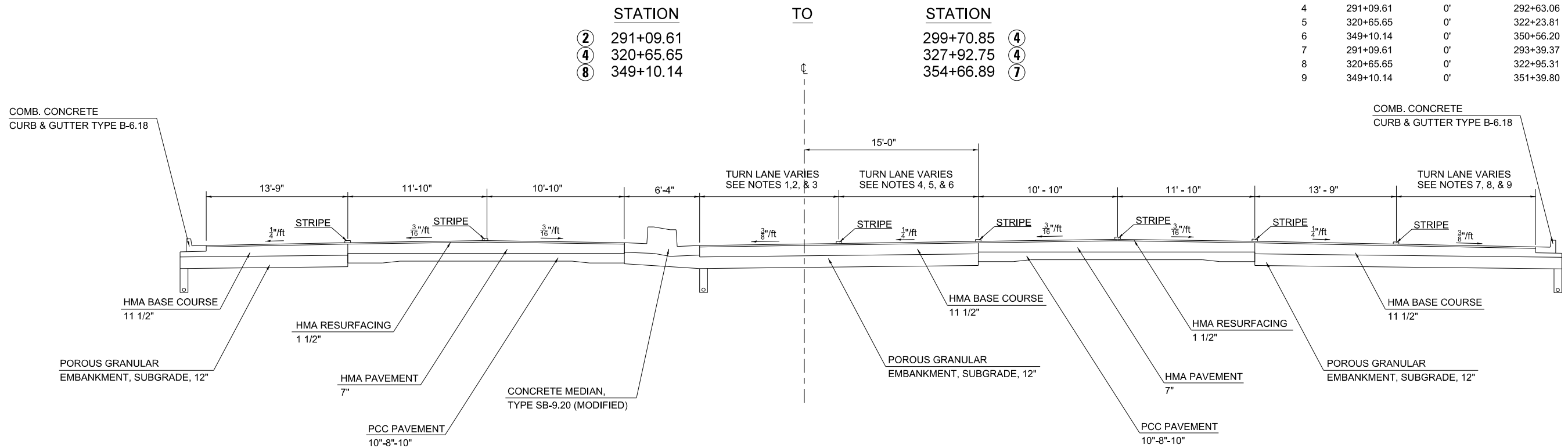
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	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -		SCALE: SHEET 2 OF 14 SHEETS STA. TO STA.			CONTRACT NO. 70A36				
#MODELNAME#	PLOT DATE = 5/23/2013	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

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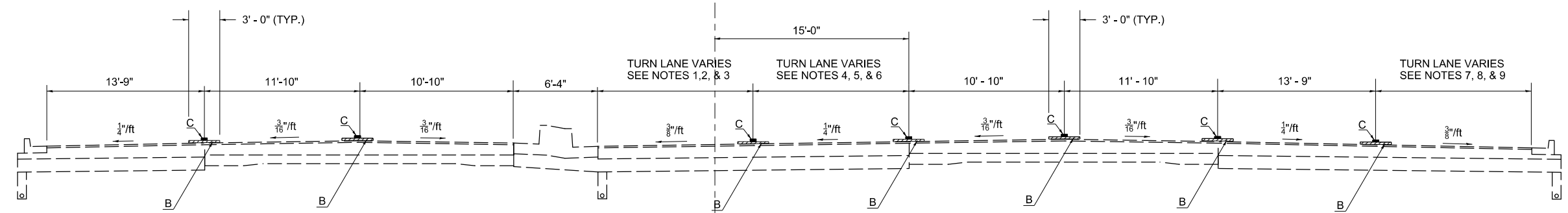
EXISTING TYPICAL CROSS SECTION FAP 704 (I-55 BUS) ③

NOTE	STATION	WIDTH	TO	STATION	WIDTH
1	292+63.06	0'		293+39.27	11'-10"
2	322+23.81	0'		322+95.31	11'-10"
3	350+56.20	0'		351+39.80	11'-10"
4	291+09.61	0'		292+63.06	11'-10"
5	320+65.65	0'		322+23.81	11'-10"
6	349+10.14	0'		350+56.20	11'-10"
7	291+09.61	0'		293+39.37	11'-10"
8	320+65.65	0'		322+95.31	11'-10"
9	349+10.14	0'		351+39.80	11'-10"



PROPOSED TYPICAL CROSS SECTION FAP 704 (I-55 BUS) ③

STATION	TO	STATION
② 291+09.61		④ 299+70.85 (G.E. ROAD/VERNON AVE.)
④ 320+65.65		④ 327+92.75 (COLLEGE AVE.)
⑧ 349+10.14		⑦ 354+66.89 (FT. JESSE RD.)

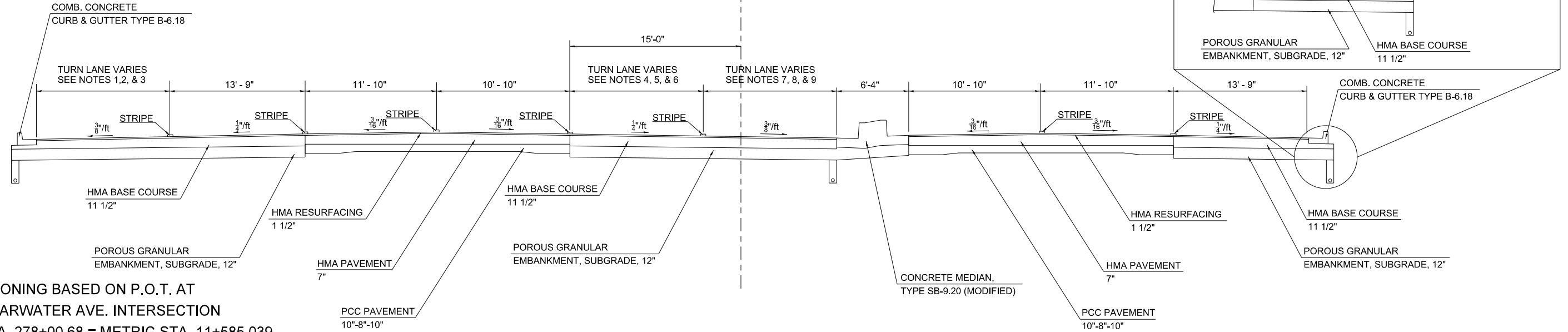


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 B = MICRO-SURFACING, SINGLE PASS, TYPE 2, MIXTURE D (20 LBS/SQ YD)
 C = STRIPE/RAISED REFLECTIVE PAVEMENT MARKER

NOTE	STATION	WIDTH	TO	STATION	WIDTH
1	306+87.70	11'-10"		309+37.04	0'
2	319+73.79	11'-10"		322+03.45	0'
3	332+92.69	11'-10"		335+94.53	0'
4	304+58.04	11'-10"		306+87.70	0'
5	321+03.13	11'-10"		322+03.45	0'
6	327+92.75	11'-10"		332+92.69	11'-10"
7	304+58.04	11'-10"		306+87.70	0'
8	319+73.79	11'-10"		321+03.13	0'
9	332+92.69	11'-10"		335+22.35	0'

EXISTING TYPICAL CROSS SECTION FAP 704 (I-55 BUS) 4

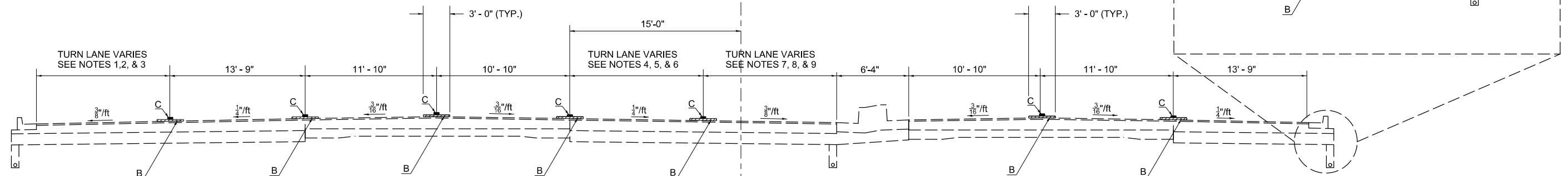
STATION	TO	STATION
③ 299+70.85		⑤ 305+08.00
⑤ 313+54.16		③ 320+65.65
③ 327+92.75		⑥ 332+92.69
305+07.58		307+60.73



NOTE: STATIONING BASED ON P.O.T. AT
FAP 704/CLEARWATER AVE. INTERSECTION
ENGLISH STA. 278+00.68 = METRIC STA. 11+585.039

PROPOSED TYPICAL CROSS SECTION FAP 704 (I-55 BUS) 4

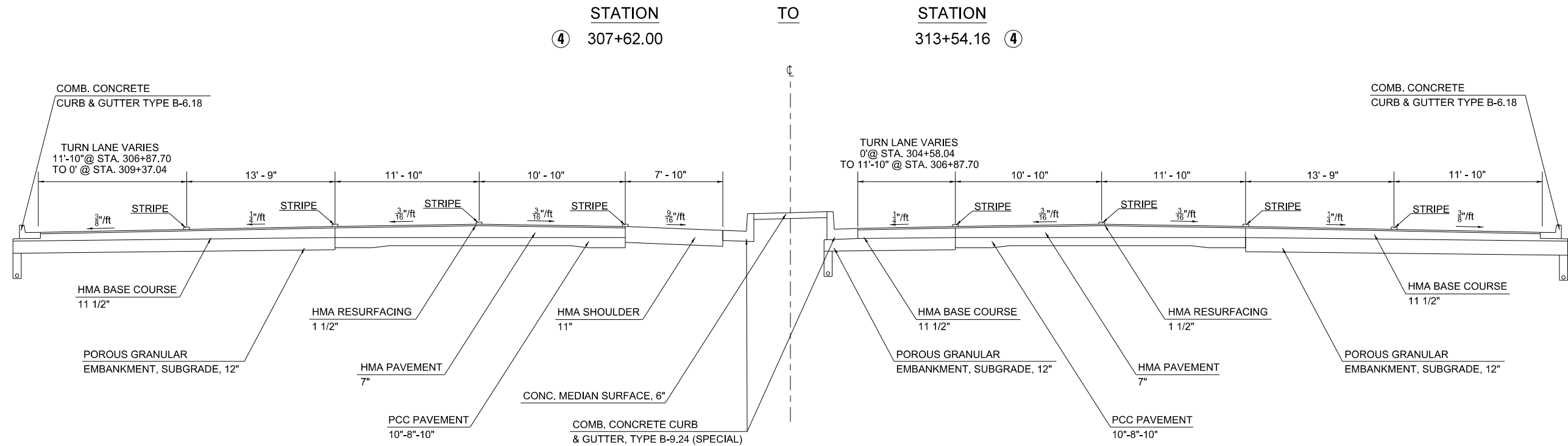
	STATION	TO	STATION
(G.E. ROAD/VERNON AVE.)	③ 299+70.85		⑤ 305+08.00
(JUMER/VON MAUR DR.)	⑤ 313+54.16		③ 320+65.65
(COLLEGE AVE.)	③ 327+92.75		⑥ 332+92.69
	305+08.00		307+62.00 (BRIDGE OMISSION)



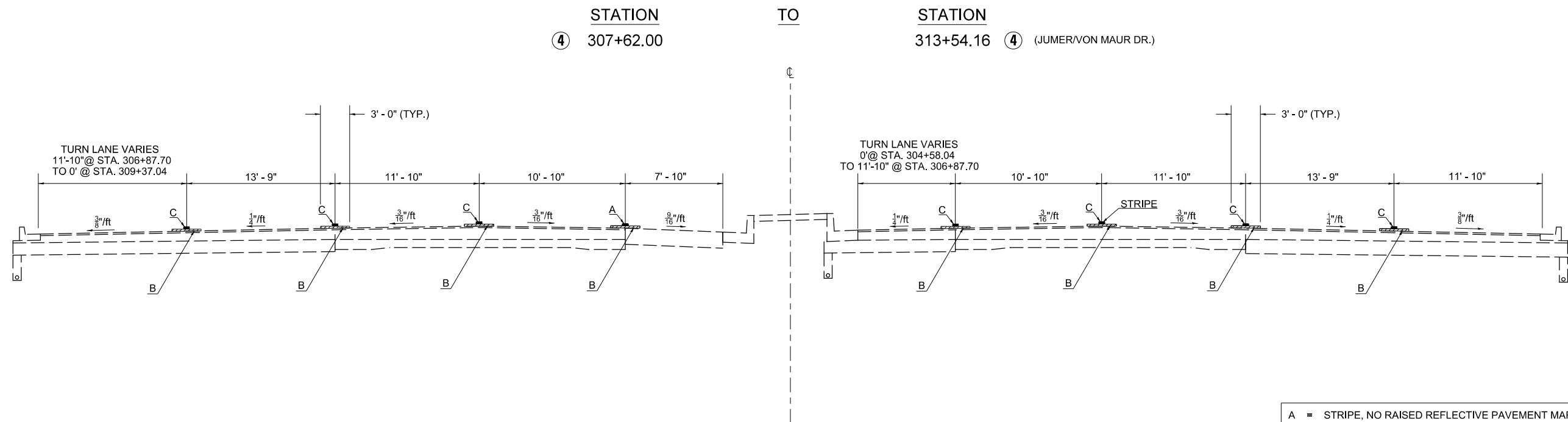
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EXISTING TYPICAL CROSS SECTION FAP 704 (I-55 BUS) 5



PROPOSED TYPICAL CROSS SECTION FAP 704 (I-55 BUS) 5

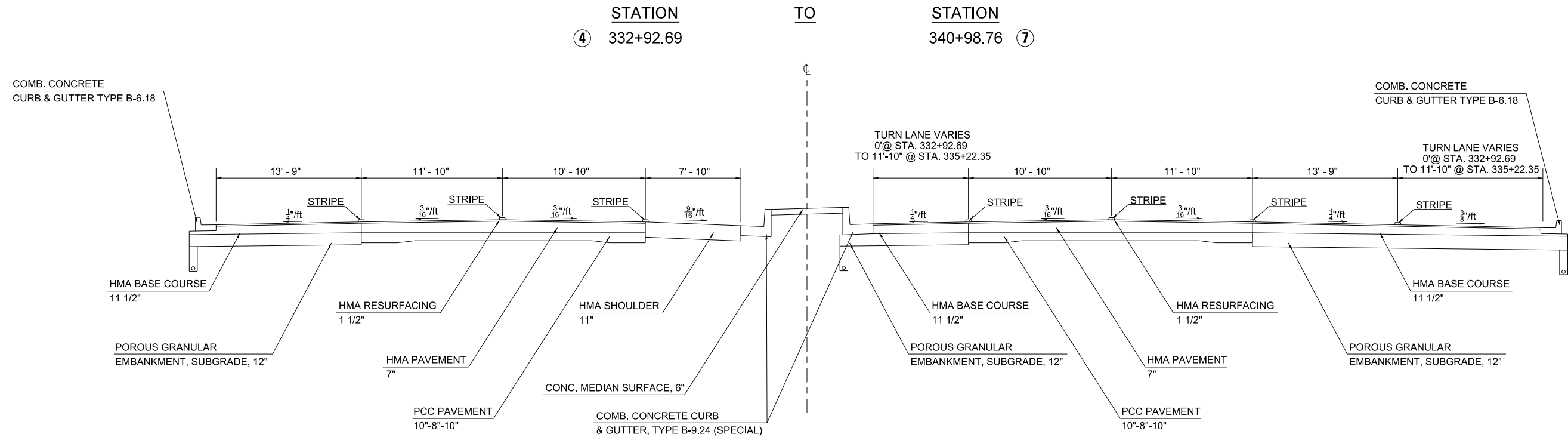


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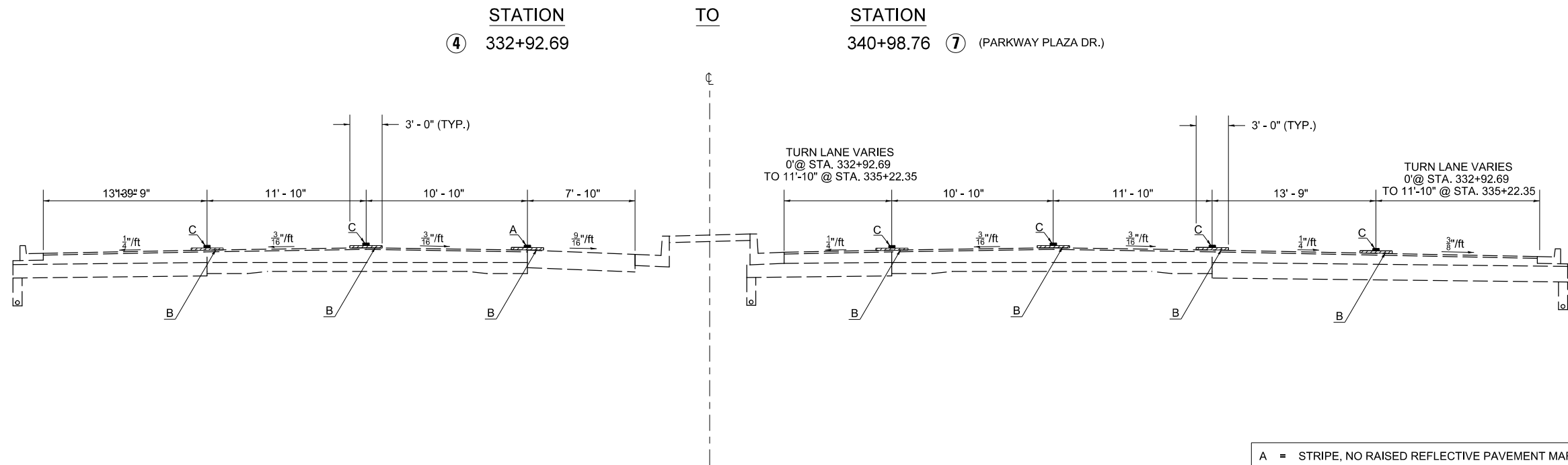
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ci:\pw\work\p\idot\detersbj\0345695\0570A36-sht-typic01.dgn	DRAWN -	REVISED -	704					D5 MICRO 2014-1	MCLEAN	25	8	
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -	CONTRACT NO. 70A36									
MODELNAME	DATE -	REVISED -	SCALE:		SHEET 5 OF 14 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT				

NOTE: STATIONING BASED ON P.O.T. AT
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EXISTING TYPICAL CROSS SECTION FAP 704 (I-55 BUS) ⑥



PROPOSED TYPICAL CROSS SECTION FAP 704 (I-55 BUS) ⑥



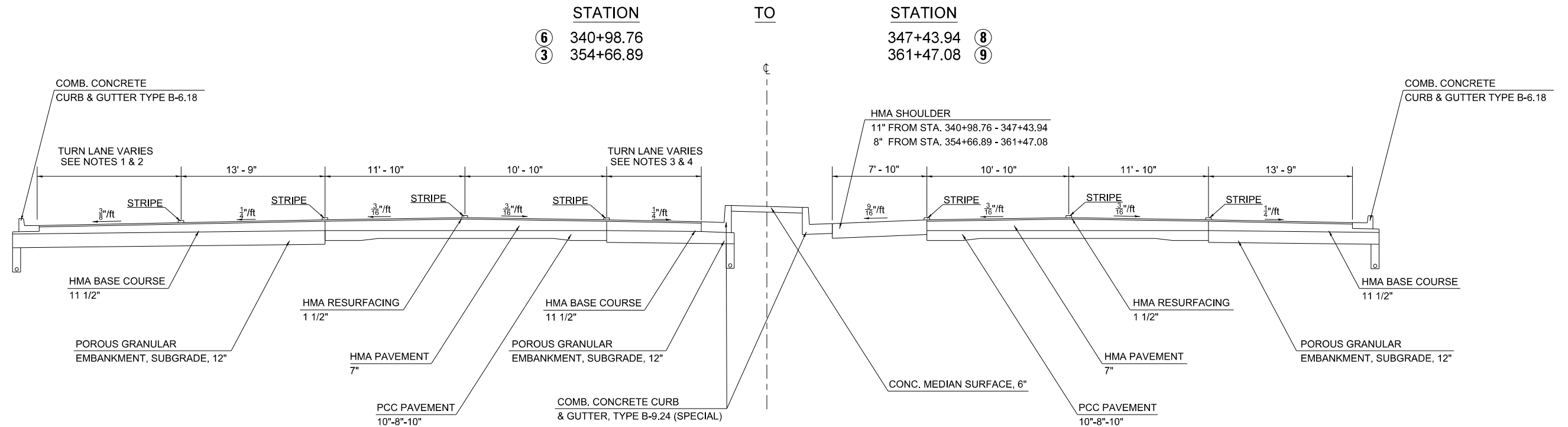
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PLOT SCALE = 40.0000' / in.		CHECKED -	REVISED -		CONTRACT NO. 70A36							
MODELNAME		DATE -	REVISED -		SCALE:	SHEET 6 OF 14 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			

NOTE: STATIONING BASED ON P.O.T. AT
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EXISTING TYPICAL CROSS SECTION FAP 704 (I-55 BUS) 7

NOTE	STATION	WIDTH	TO	STATION	WIDTH
1	346+67.36	11'-10"		348+97.02	0'
2	354+66.89	11'-10"		361+47.08	11'-10"
3	346+67.36	11'-10"		347+43.54	0'
4	359+17.35	11'-2"		361+47.08	0'

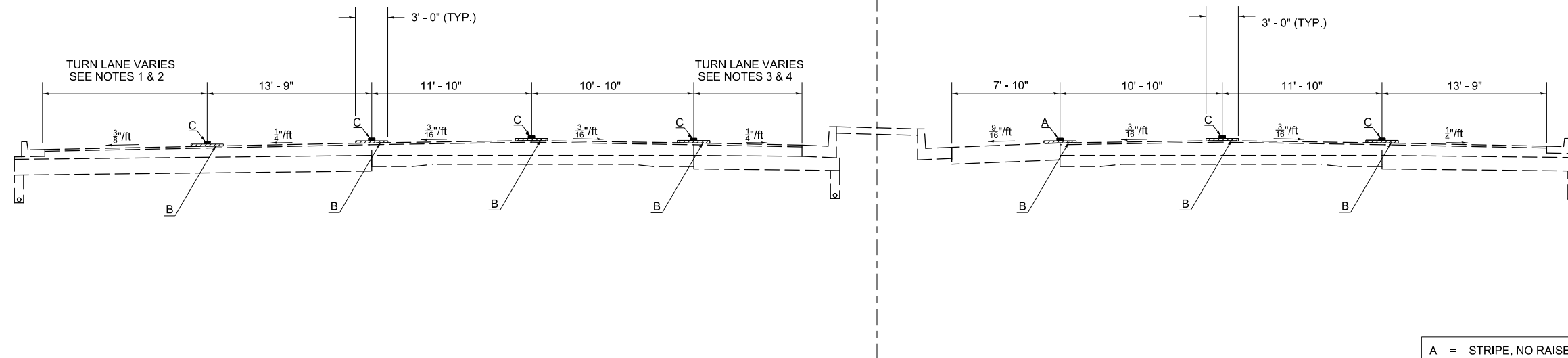


PROPOSED TYPICAL CROSS SECTION FAP 704 (I-55 BUS) 7

(PARKWAY PLAZA DR.) (6) 340+98.76
 (FT. JESSE RD.) (3) 354+66.89

TO

STATION 347+43.94 (8)
 361+47.08 (9)

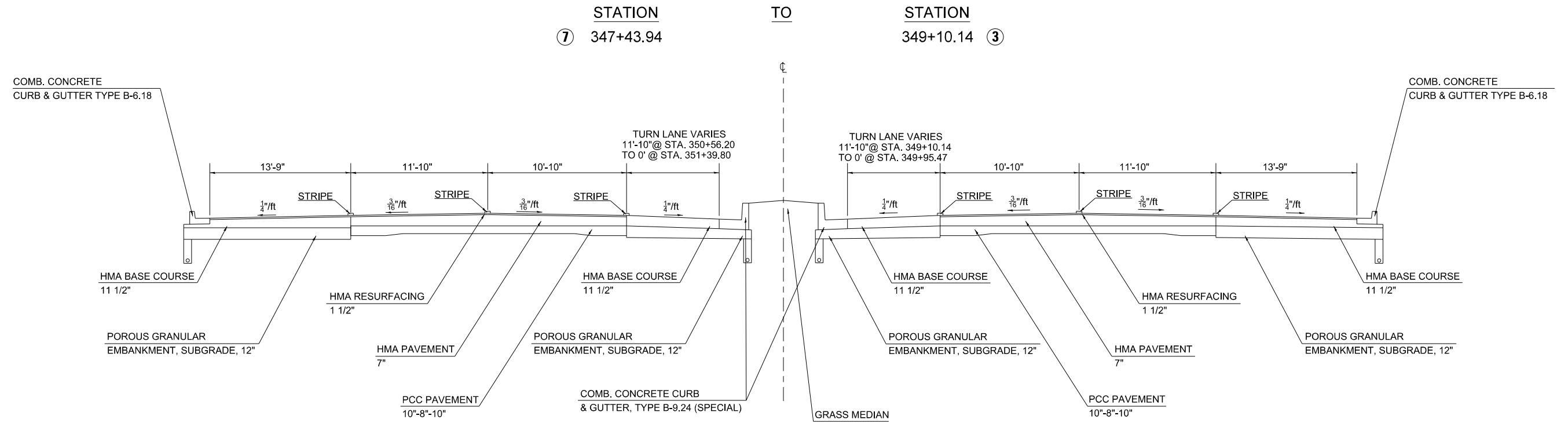


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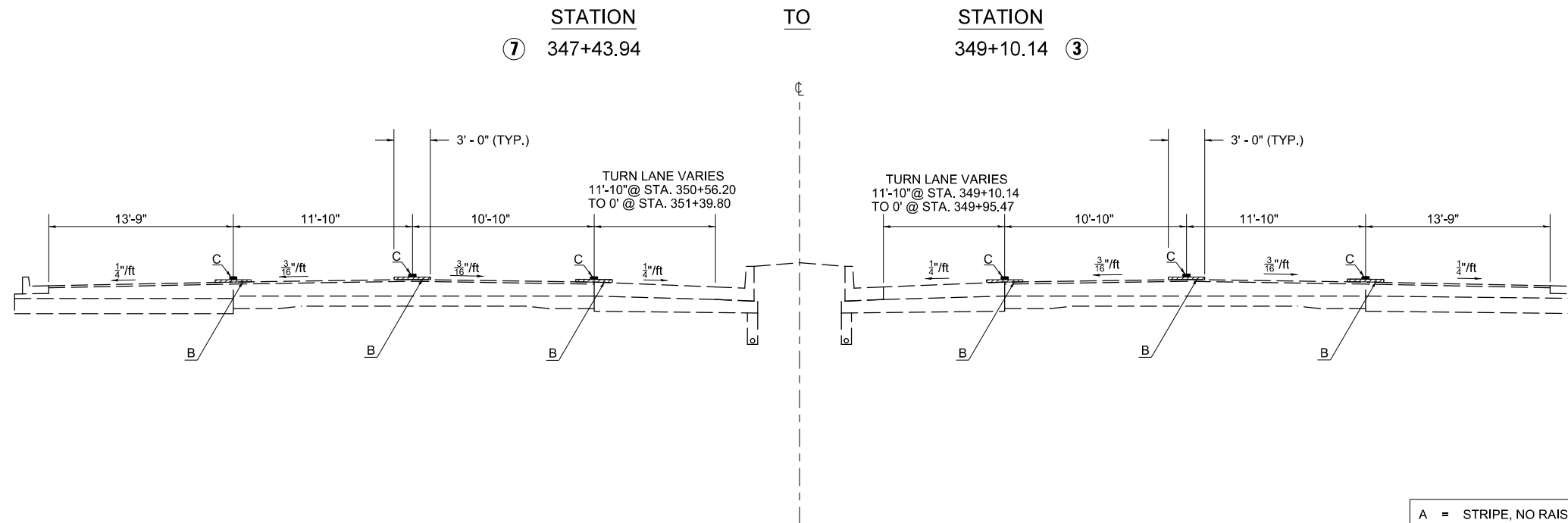
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ci:\pw_work\p\dot\detersbj\d0345695\0578A36-sht-typicel.dgn		DRAWN -	REVISED -		704	D5 MICRO 2014-1	MCLEAN	25	10			
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#MODELNAME#	PLOT DATE = 5/23/2013	DATE -	REVISED -		SCALE:	SHEET 7 OF 14 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			

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EXISTING TYPICAL CROSS SECTION FAP 704 (I-55 BUS) 8



PROPOSED TYPICAL CROSS SECTION FAP 704 (I-55 BUS) 8

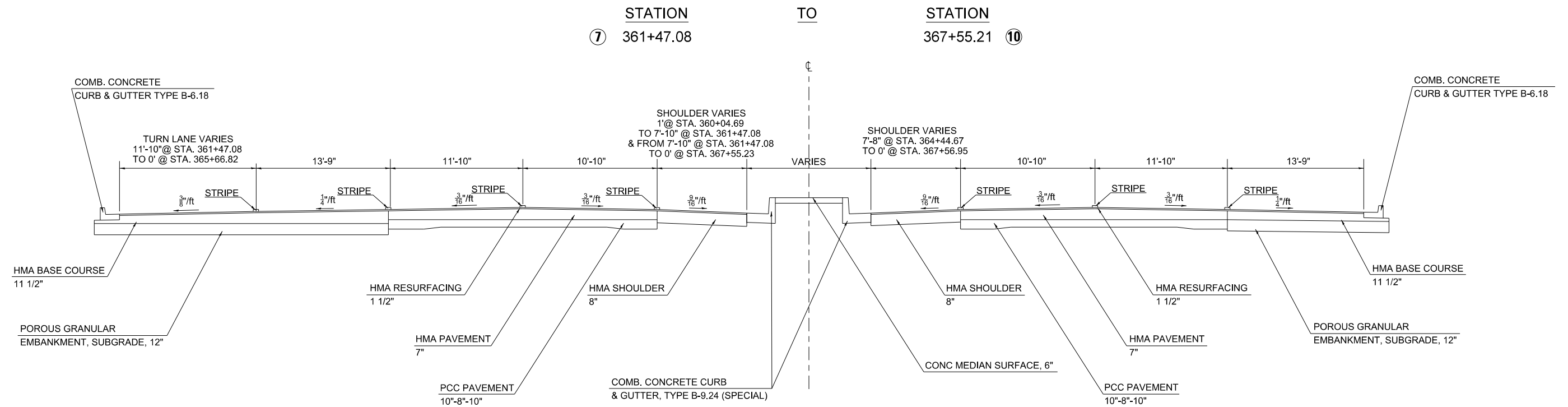


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- C = STRIPE/RAISED REFLECTIVE PAVEMENT MARKER

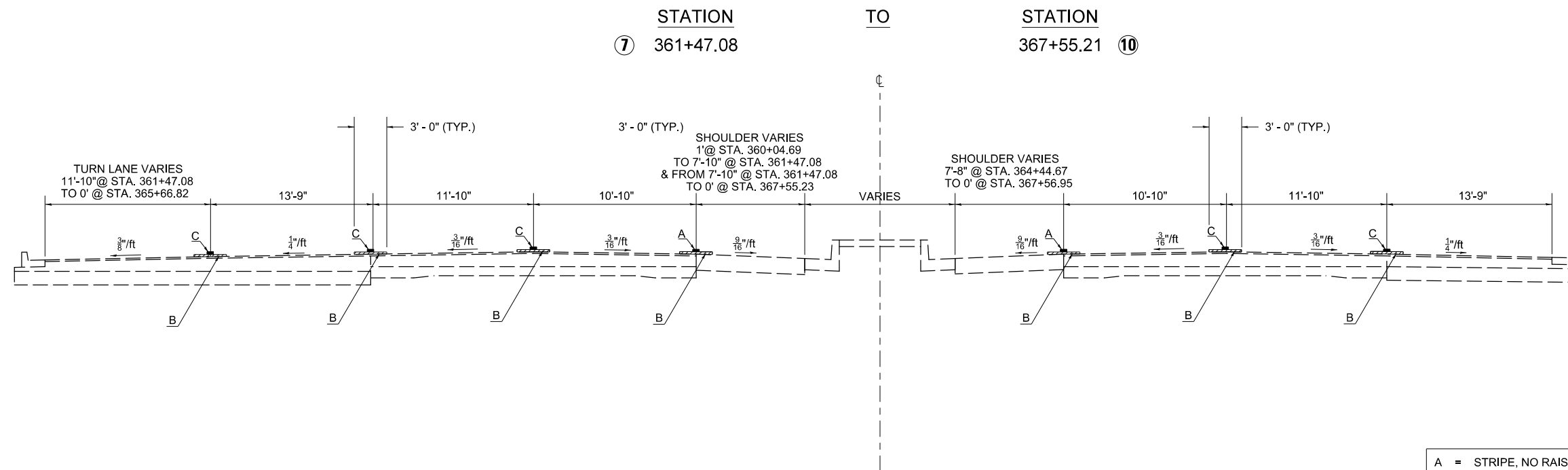
FILE NAME =	USER NAME = detersbj	DESIGNED - BJD 5/9/2013	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL CROSS SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -		SCALE:	SHEET 8 OF 14 SHEETS	STA.	TO STA.	704	D5 MICRO 2014-1	MCLEAN	25	11
		CHECKED -	REVISED -					CONTRACT NO. 70A36					
#MODELNAME#	PLOT DATE = 5/23/2013	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

NOTE: STATIONING BASED ON P.O.T. AT
 FAP 704/CLEARWATER AVE. INTERSECTION
 ENGLISH STA. 278+00.68 = METRIC STA. 11+585.039

EXISTING TYPICAL CROSS SECTION FAP 704 (I-55 BUS) 9



PROPOSED TYPICAL CROSS SECTION FAP 704 (I-55 BUS) 9

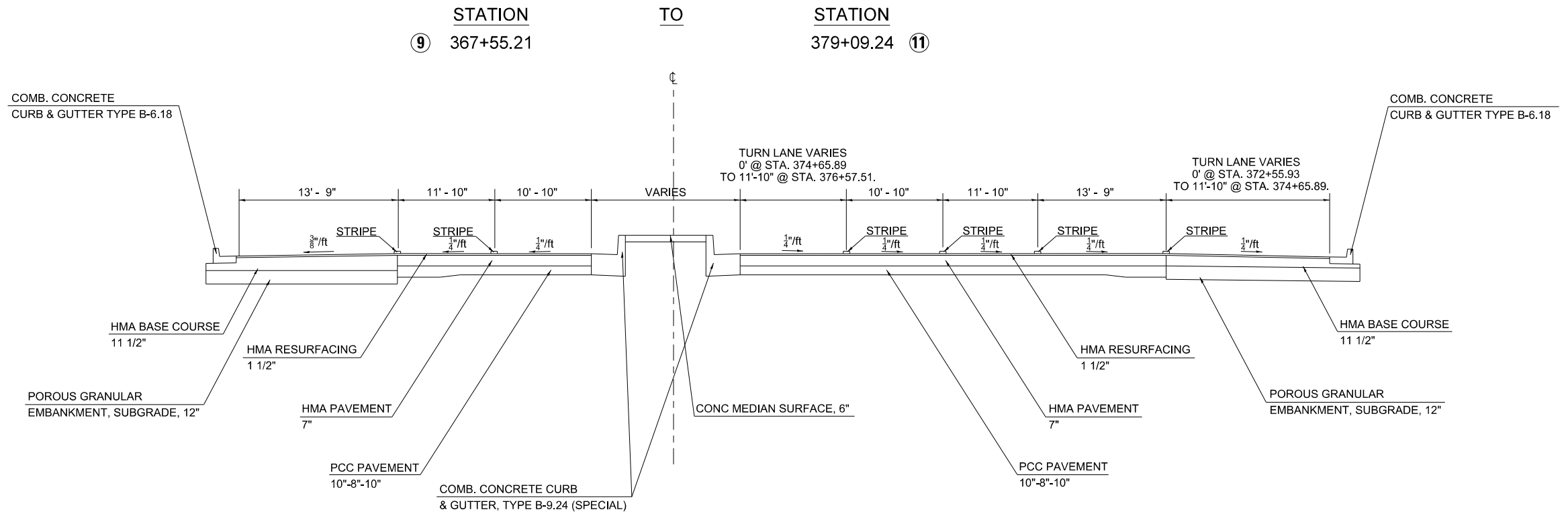


- A = STRIPE, NO RAISED REFLECTIVE PAVEMENT MARKER
- B = MICRO-SURFACING, SINGLE PASS, TYPE 2, MIXTURE D (20 LBS/SQ YD)
- C = STRIPE/RAISED REFLECTIVE PAVEMENT MARKER

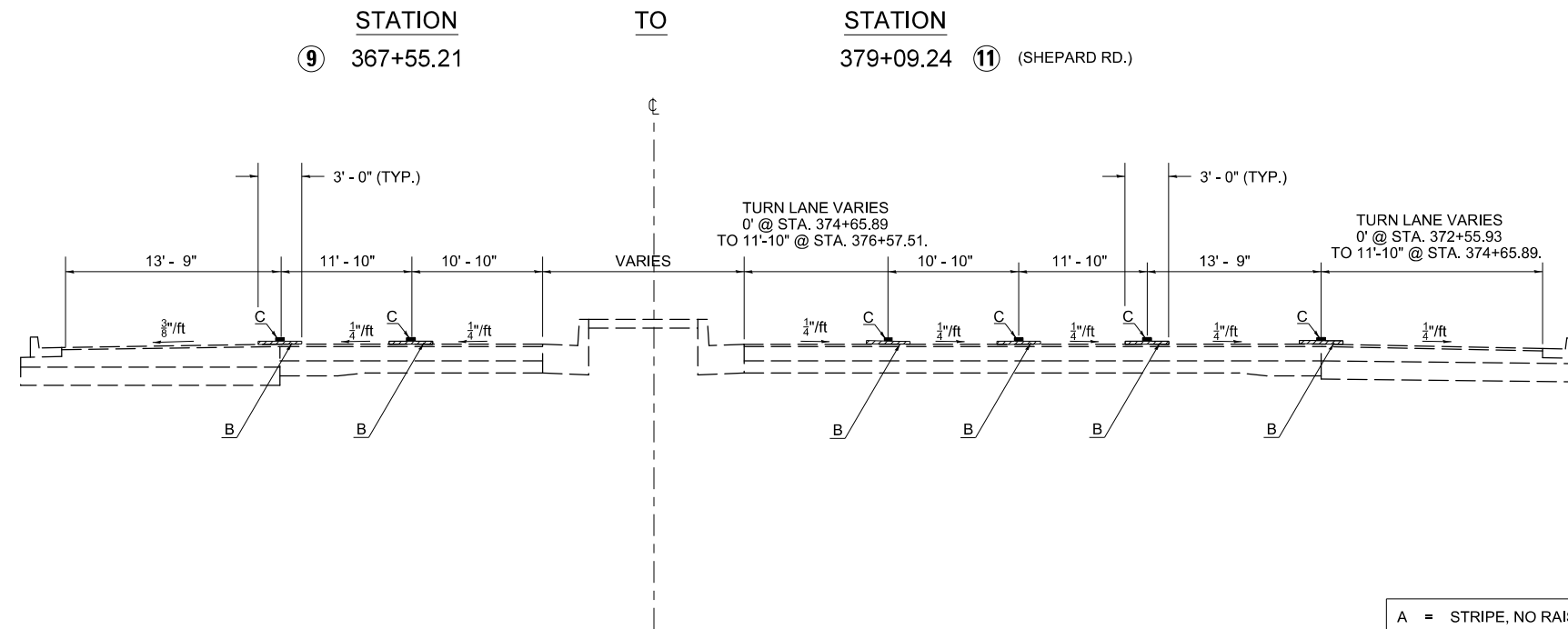
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ci:\pw\work\p\dot\detersbj\0345695\0570A36-sht-typical.dgn	DRAWN -	REVISIED -	704					D5 MICRO 2014-1	MCLEAN	25	12	
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISIED -	CONTRACT NO. 70A36									
*MODELNAME#	DATE -	REVISIED -	SCALE:		SHEET 9 OF 14 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT				

NOTE: STATIONING BASED ON P.O.T. AT
 FAP 704/CLEARWATER AVE. INTERSECTION
 ENGLISH STA. 278+00.68 = METRIC STA. 11+585.039

EXISTING TYPICAL CROSS SECTION FAP 704 (I-55 BUS) 10



PROPOSED TYPICAL CROSS SECTION FAP 704 (I-55 BUS) 10

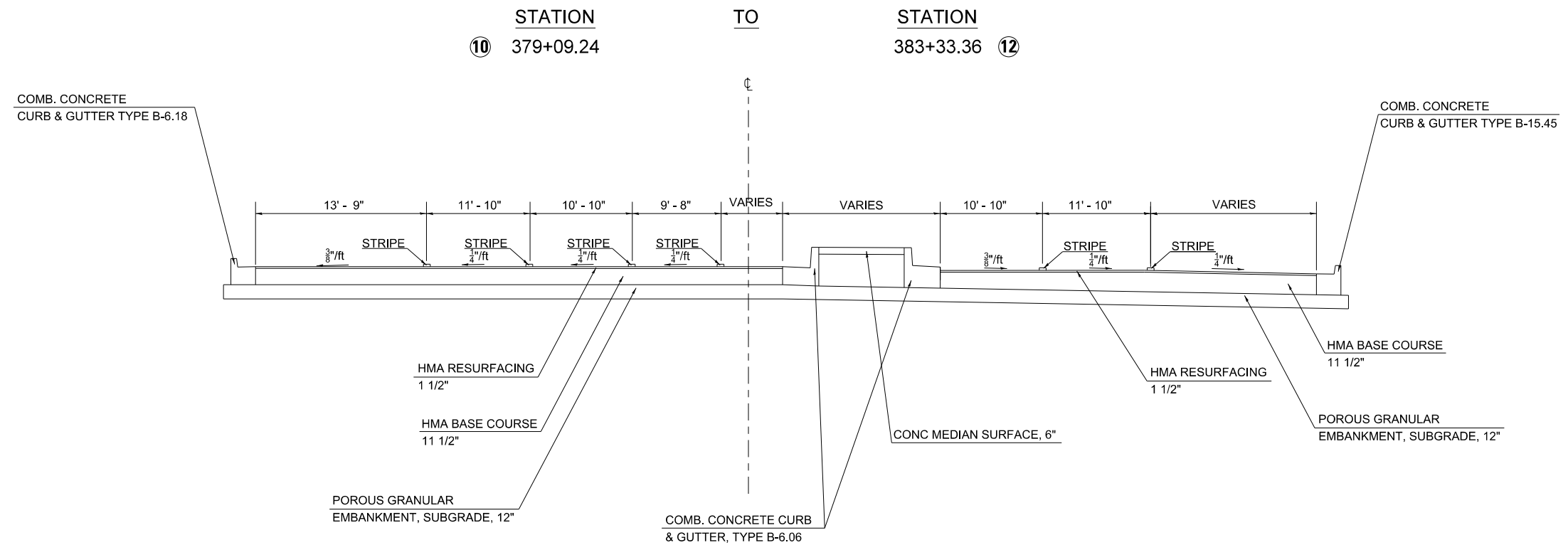


A = STRIPE, NO RAISED REFLECTIVE PAVEMENT MARKER
 B = MICRO-SURFACING, SINGLE PASS, TYPE 2, MIXTURE D (20 LBS/SQ YD)
 C = STRIPE/RAISED REFLECTIVE PAVEMENT MARKER

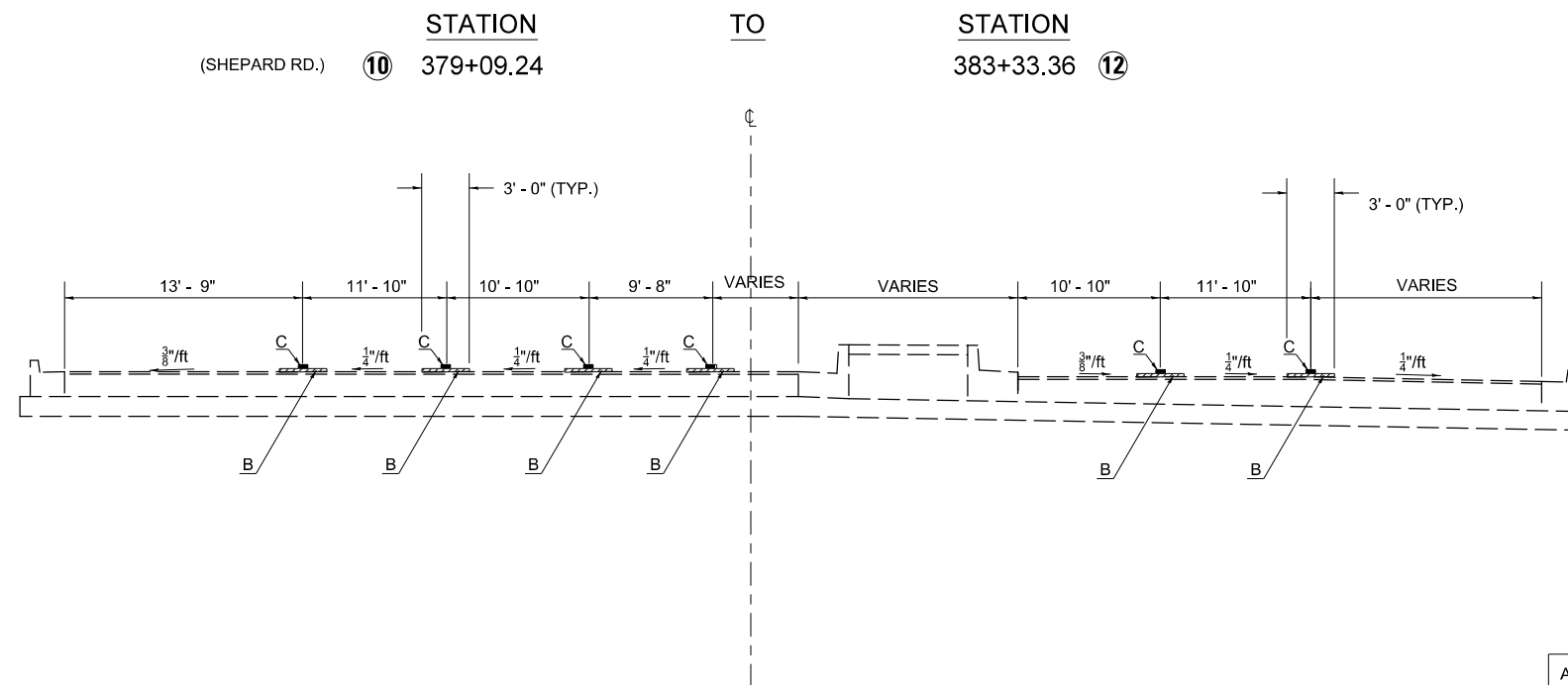
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ci:\pw\work\p\idot\detersbj\0345695\0570A36-sht-typical.dgn		DRAWN -	REVISED -		704	D5 MICRO 2014-1	MCLEAN	25	13			
PLOT SCALE = 40.0000' / in.		CHECKED -	REVISED -		CONTRACT NO. 70A36							
MODELNAME		DATE -	REVISED -		SCALE:	SHEET 10 OF 14 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			

NOTE: STATIONING BASED ON P.O.T. AT
 FAP 704/CLEARWATER AVE. INTERSECTION
 ENGLISH STA. 278+00.68 = METRIC STA. 11+585.039

EXISTING TYPICAL CROSS SECTION FAP 704 (I-55 BUS) 11



PROPOSED TYPICAL CROSS SECTION FAP 704 (I-55 BUS) 11

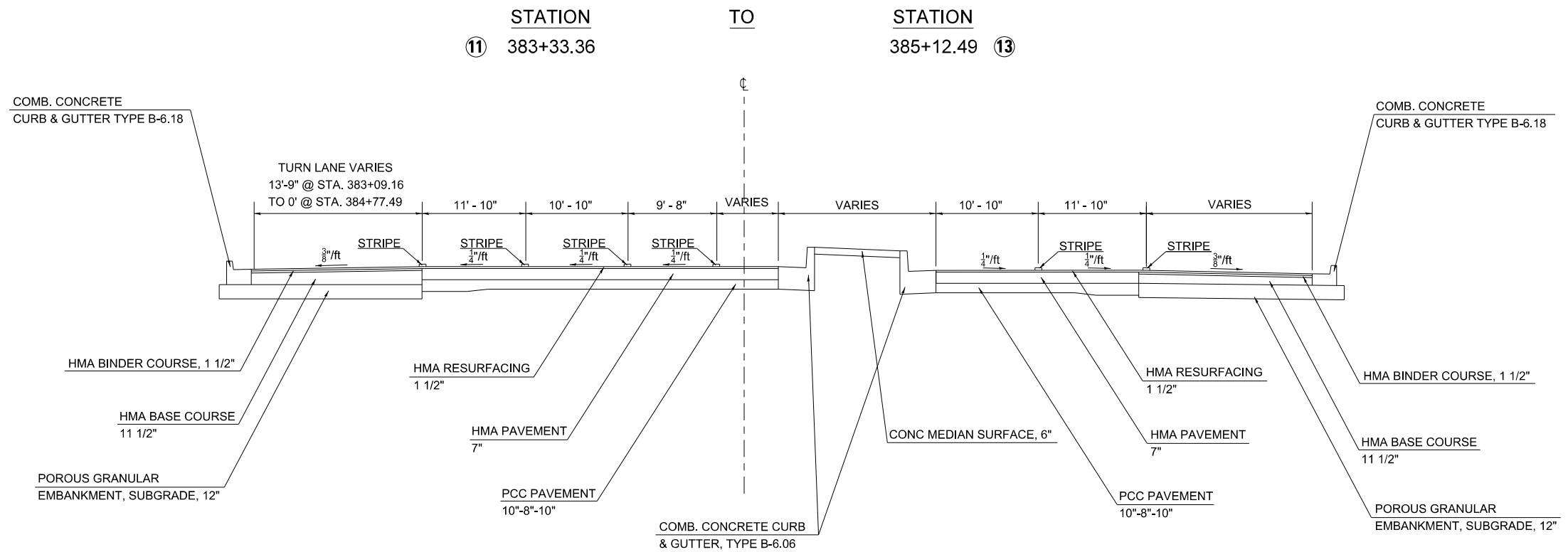


- A = STRIPE, NO RAISED REFLECTIVE PAVEMENT MARKER
- B = MICRO-SURFACING, SINGLE PASS, TYPE 2, MIXTURE D (20 LBS/SQ YD)
- C = STRIPE/RAISED REFLECTIVE PAVEMENT MARKER

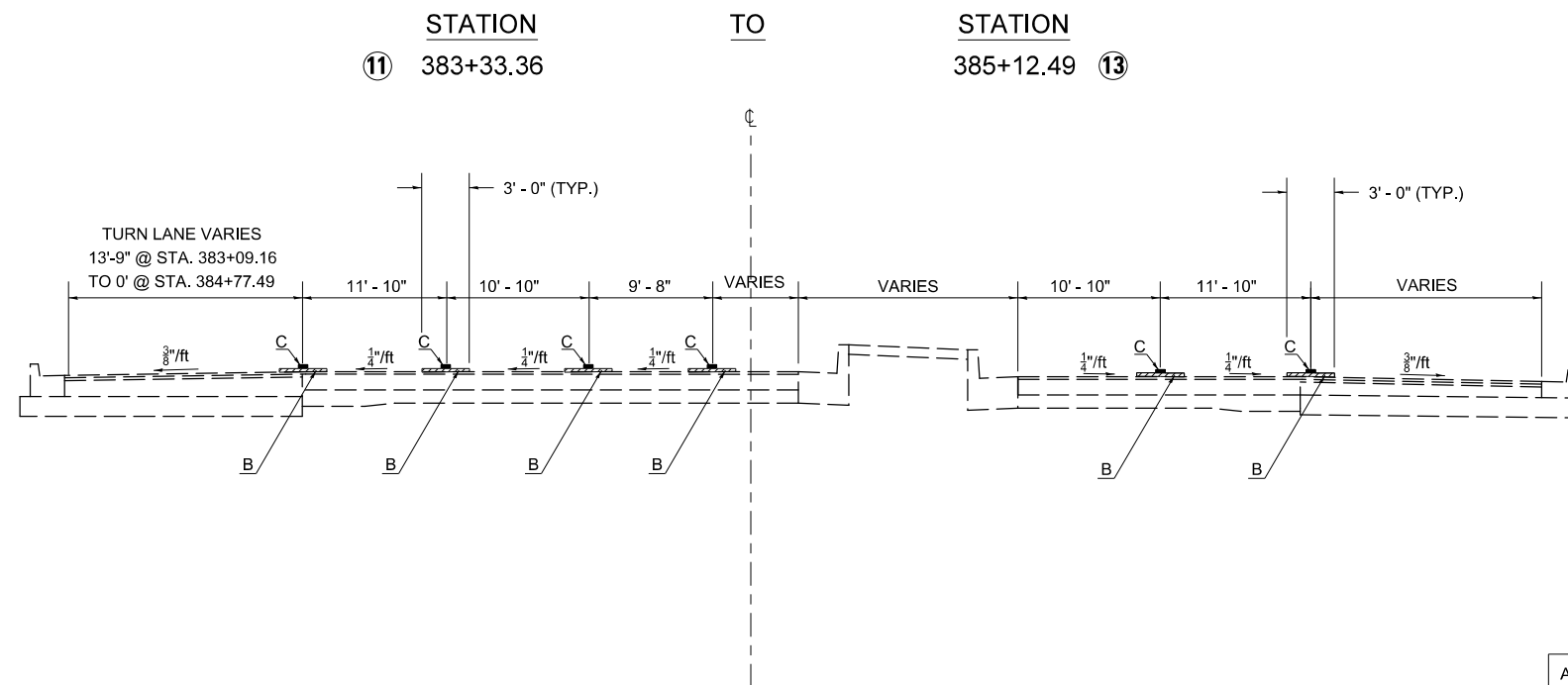
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PLOT SCALE = 40.0000' / in.		CHECKED -	REVISED -		CONTRACT NO. 70A36							
MODELNAME		DATE -	REVISED -		SCALE:	SHEET 11 OF 14 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			

NOTE: STATIONING BASED ON P.O.T. AT
 FAP 704/CLEARWATER AVE. INTERSECTION
 ENGLISH STA. 278+00.68 = METRIC STA. 11+585.039

EXISTING TYPICAL CROSS SECTION FAP 704 (I-55 BUS) 12



PROPOSED TYPICAL CROSS SECTION FAP 704 (I-55 BUS) 12

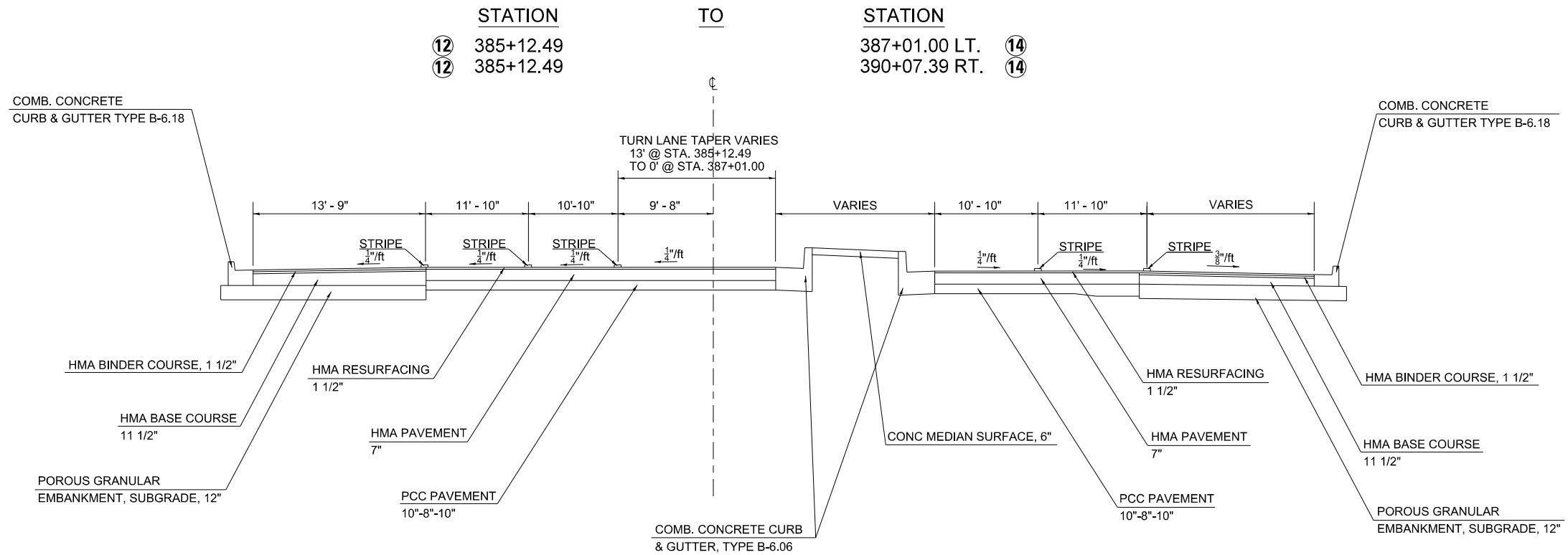


- A = STRIPE, NO RAISED REFLECTIVE PAVEMENT MARKER
- B = MICRO-SURFACING, SINGLE PASS, TYPE 2, MIXTURE D (20 LBS/SQ YD)
- C = STRIPE/RAISED REFLECTIVE PAVEMENT MARKER

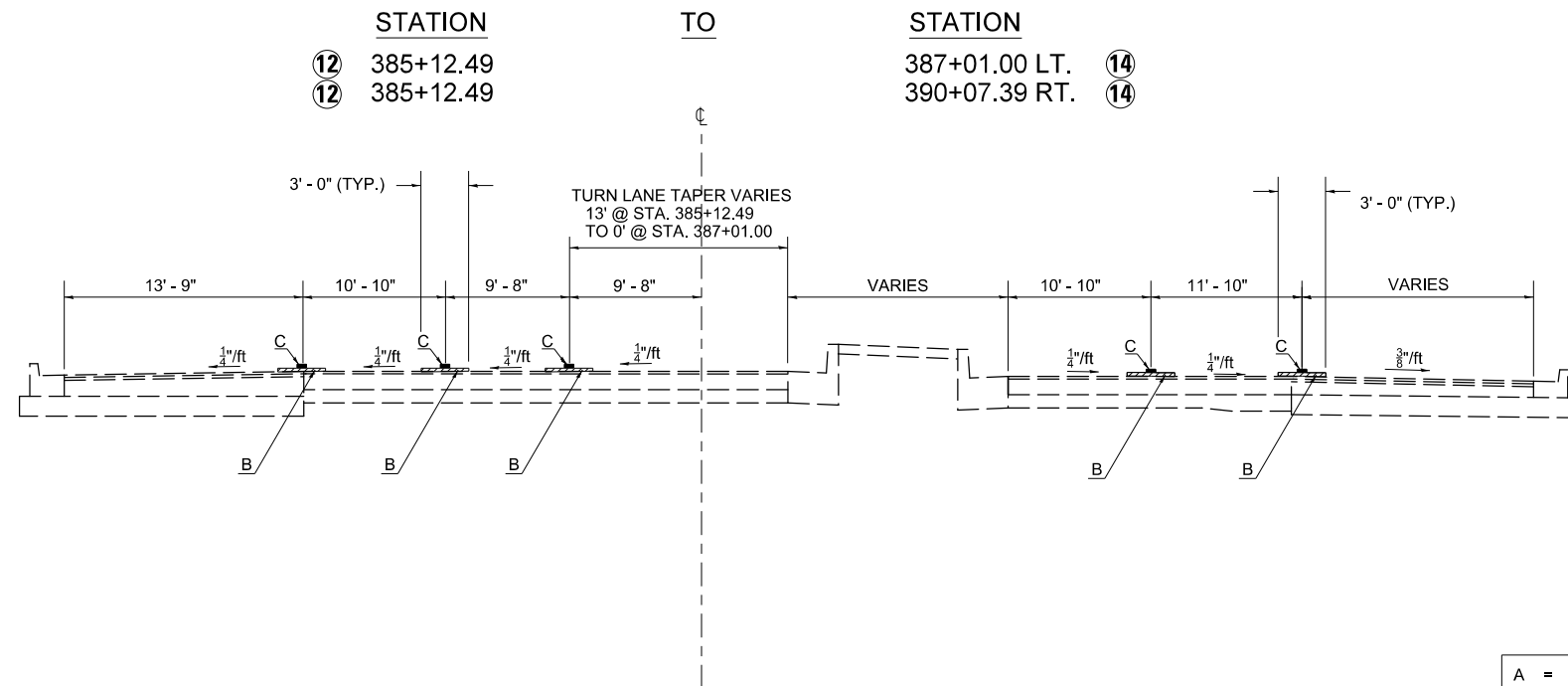
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ci:\pw\work\p\dot\detersbj\0345695\0570A36-sht-typic01.dgn		DRAWN -	REVISED -		704	D5 MICRO 2014-1	MCLEAN	25	15			
PLOT SCALE = 40.0000' / in.		CHECKED -	REVISED -		CONTRACT NO. 70A36							
MODELNAME		DATE -	REVISED -		SCALE:	SHEET 12 OF 14 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			

NOTE: STATIONING BASED ON P.O.T. AT
 FAP 704/CLEARWATER AVE. INTERSECTION
 ENGLISH STA. 278+00.68 = METRIC STA. 11+585.039

EXISTING TYPICAL CROSS SECTION FAP 704 (I-55 BUS) 13



PROPOSED TYPICAL CROSS SECTION FAP 704 (I-55 BUS) 13

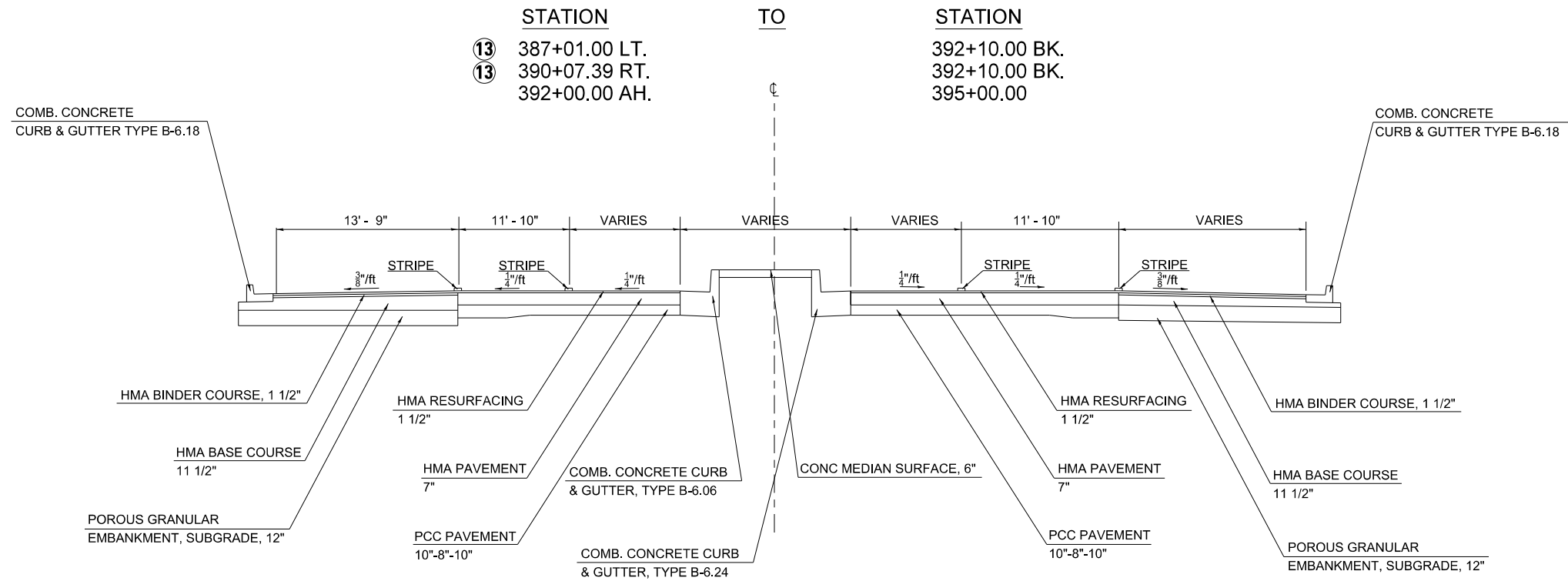


- A = STRIPE, NO RAISED REFLECTIVE PAVEMENT MARKER
- B = MICRO-SURFACING, SINGLE PASS, TYPE 2, MIXTURE D (20 LBS/SQ YD)
- C = STRIPE/RAISED REFLECTIVE PAVEMENT MARKER

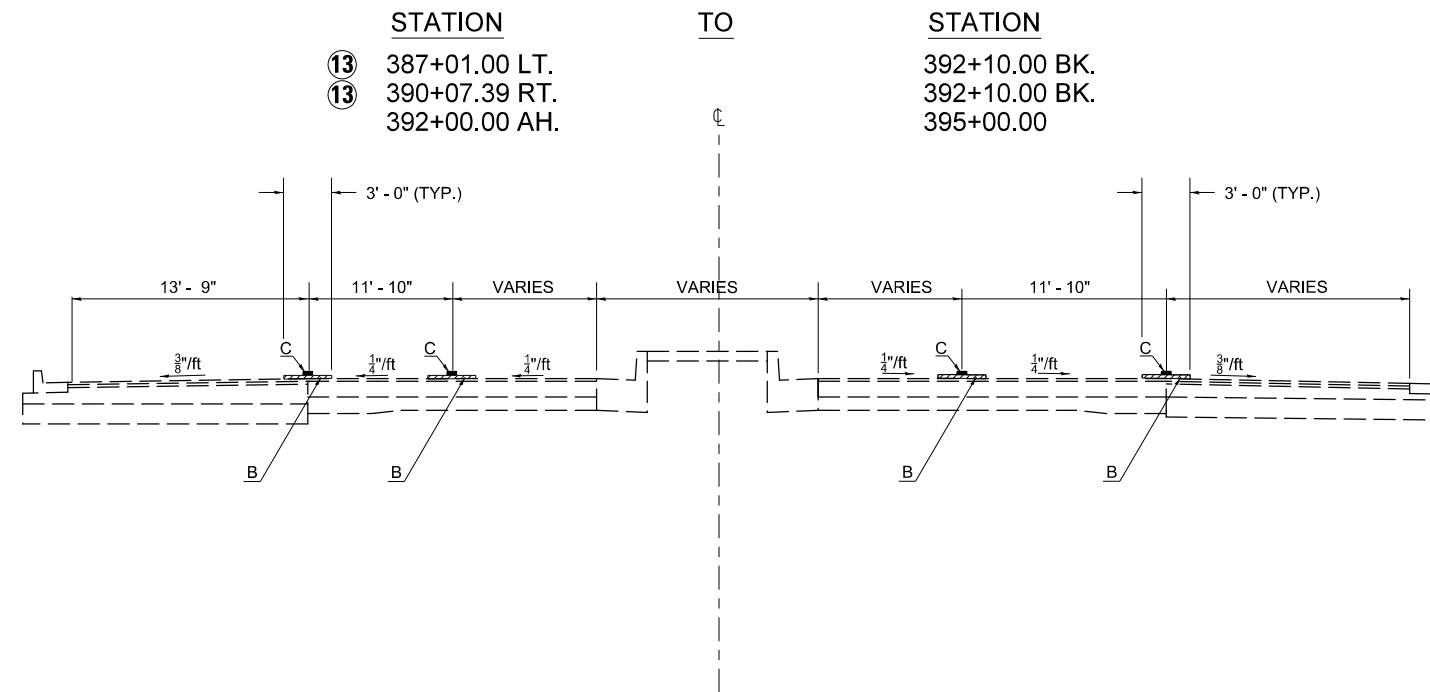
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ci:\pwork\pwork\detersbj\0345695\0570A36-sht-typic01.dgn		DRAWN -	REVISED -		704	D5 MICRO 2014-1	MCLEAN	25	16			
PLOT SCALE = 40.0000' / in.		CHECKED -	REVISED -		CONTRACT NO. 70A36							
MODELNAME		DATE -	REVISED -		SCALE:	SHEET 13 OF 14 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			

NOTE: STATIONING BASED ON P.O.T. AT
 FAP 704/CLEARWATER AVE. INTERSECTION
 ENGLISH STA. 278+00.68 = METRIC STA. 11+585.039

EXISTING TYPICAL CROSS SECTION FAP 704 (I-55 BUS) 14



PROPOSED TYPICAL CROSS SECTION FAP 704 (I-55 BUS) 14



- A = STRIPE, NO RAISED REFLECTIVE PAVEMENT MARKER
- B = MICRO-SURFACING, SINGLE PASS, TYPE 2, MIXTURE D (20 LBS/SQ YD)
- C = STRIPE/RAISED REFLECTIVE PAVEMENT MARKER

FILE NAME =	USER NAME = detersbj	DESIGNED - BJD 5/9/2013	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL CROSS SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ci:\pw\work\p\idot\detersbj\0345695\0570A36-sht-typic01.dgn		DRAWN -	REVISED -		704	D5 MICRO 2014-1	MCLEAN	25	17			
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 70A36							
#MODELNAME#	PLOT DATE = 5/23/2013	DATE -	REVISED -		SCALE:	SHEET 14 OF 14 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			

SCHEDULE OF QUANTITIES

MICRO-SURFACING

LOCATION	STATION	TO	STATION	LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ YD)	BITUMINOUS MATERIALS (PRIME COAT) 40600100 (GALLON)	FIBER-MODIFIED ASPHALT CRACK SEALING X0326218 (FOOT)	MICRO-SURFACING, SINGLE PASS, TYPE II MIXTURE D Z0063804 (SQ YD)
NB INSIDE LL	277+06.77		278+38.48	131.71	3.0	43.9	4.4	131.7	43.9
NB INSIDE LL	279+25.00		305+32.76	2,607.76	3.0	869.3	86.9	2,607.8	869.3
NB INSIDE LL	307+66.28		392+10.00	8,443.72	3.0	2,814.6	281.5	8,443.7	2,814.6
NB INSIDE LL	392+00.00		394+98.51	298.51	3.0	99.5	10.0	298.5	99.5
NB OUTSIDE LL	277+06.77		278+38.48	131.71	3.0	43.9	4.4	131.7	43.9
NB OUTSIDE LL	279+25.00		305+41.98	2,616.98	3.0	872.3	87.2	2,617.0	872.3
NB OUTSIDE LL	307+77.03		392+10.00	8,432.97	3.0	2,811.0	281.1	8,433.0	2,811.0
NB OUTSIDE LL	392+00.00		395+10.25	310.25	3.0	103.4	10.3	310.3	103.4
NB EL	277+06.77		278+60.73	153.96	3.0	51.3	5.1	154.0	51.3
NB EL/OLTL	282+66.32		300+51.28	1,784.96	3.0	595.0	59.5	1,785.0	595.0
NB OLTL	307+57.82		314+36.18	678.36	3.0	226.1	22.6	678.4	226.1
NB OLTL	320+18.79		328+77.14	858.35	3.0	286.1	28.6	858.3	286.1
NB OLTL/EL	333+24.82		365+80.24	3,255.42	3.0	1,085.1	108.5	3,255.4	1,085.1
NB OLTL	374+65.89		380+45.32	579.43	3.0	193.1	19.3	579.4	193.1
NB ILTL	292+63.12		298+74.53	611.41	3.0	203.8	20.4	611.4	203.8
NB ILTL	322+23.81		327+09.75	485.94	3.0	162.0	16.2	485.9	162.0
NB ILTL	350+56.20		353+89.37	333.17	3.0	111.1	11.1	333.2	111.1
NB RTL	291+74.61		299+08.98	734.37	3.0	244.8	24.5	734.4	244.8
NB RTL	303+91.64		305+52.75	161.11	3.0	53.7	5.4	161.1	53.7
NB RTL	307+87.76		312+97.00	509.24	3.0	169.7	17.0	509.2	169.7
NB RTL	321+40.65		327+32.27	591.62	3.0	197.2	19.7	591.6	197.2
NB RTL	333+45.69		340+54.00	708.31	3.0	236.1	23.6	708.3	236.1
NB RTL	349+75.14		354+25.45	450.31	3.0	150.1	15.0	450.3	150.1
NB RTL	373+20.93		380+89.76	768.83	3.0	256.3	25.6	768.8	256.3
SUB-TOTAL =							1,187.9	35,638.4	11,879.5

LL = LANE LINE
 OLTL = OUTSIDE LEFT TURN LANE
 ILTL = INSIDE LEFT TURN LANE
 RTL = RIGHT TURN LANE
 EL = EDGELINE

MICRO-SURFACING (CONTINUED)

LOCATION	STATION	TO	STATION	LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ YD)	BITUMINOUS MATERIALS (PRIME COAT) 40600100 (GALLON)	FIBER-MODIFIED ASPHALT CRACK SEALING X0326218 (FOOT)	MICRO-SURFACING, SINGLE PASS, TYPE II MIXTURE D Z0063804 (SQ YD)
SB INSIDE LL	277+18.46		278+38.48	120.02	3.0	40.0	4.0	120.0	40.0
SB INSIDE LL	279+25.00		304+92.12	2,567.12	3.0	855.7	85.6	2,567.1	855.7
SB INSIDE LL	307+25.95		392+10.00	8,484.05	3.0	2,828.0	282.8	8,484.1	2,828.0
SB INSIDE LL	392+00.00		394+72.09	272.09	3.0	90.7	9.1	272.1	90.7
SB OUTSIDE LL	277+18.46		278+38.48	120.02	3.0	40.0	4.0	120.0	40.0
SB OUTSIDE LL	279+25.00		304+83.67	2,558.67	3.0	852.9	85.3	2,558.7	852.9
SB OUTSIDE LL	307+16.70		392+10.00	8,493.30	3.0	2,831.1	283.1	8,493.3	2,831.1
SB OUTSIDE LL	392+00.00		394+60.35	260.35	3.0	86.8	8.7	260.3	86.8
SB EL	277+18.46		278+38.48	120.02	3.0	40.0	4.0	120.0	40.0
SB OLTL/EL	279+25.00		292+86.81	1,361.81	3.0	453.9	45.4	1,361.8	453.9
SB OLTL/EL	298+84.04		305+01.38	617.34	3.0	205.8	20.6	617.3	205.8
SB OLTL/EL	307+34.45		322+55.31	1,520.86	3.0	507.0	50.7	1,520.9	507.0
SB OLTL/EL	327+19.35		350+98.29	2,378.94	3.0	793.0	79.3	2,378.9	793.0
SB OLTL/EL	353+98.05		366+50.27	1,252.22	3.0	417.4	41.7	1,252.2	417.4
SB OLTL	379+09.24		386+74.75	765.51	3.0	255.2	25.5	765.5	255.2
SB ILTL	277+69.90		278+60.73	90.83	3.0	30.3	3.0	90.8	30.3
SB ILTL	279+25.00		283+23.10	398.10	3.0	132.7	13.3	398.1	132.7
SB ILTL	300+62.96		305+10.76	447.80	3.0	149.3	14.9	447.8	149.3
SB ILTL	314+48.51		321+03.13	654.62	3.0	218.2	21.8	654.6	218.2
SB ILTL	328+88.48		333+57.69	469.21	3.0	156.4	15.6	469.2	156.4
SB RTL	300+47.18		304+68.24	421.06	3.0	140.4	14.0	421.1	140.4
SB RTL	307+05.96		308+87.04	181.08	3.0	60.4	6.0	181.1	60.4
SB RTL	314+73.78		321+43.45	669.67	3.0	223.2	22.3	669.7	223.2
SB RTL	329+17.14		335+24.53	607.39	3.0	202.5	20.2	607.4	202.5
SB RTL	342+12.79		348+37.02	624.23	3.0	208.1	20.8	624.2	208.1
SB RTL	355+32.66		364+56.88	924.22	3.0	308.1	30.8	924.2	308.1
SB RTL	379+09.24		384+77.49	568.25	3.0	189.4	18.9	568.3	189.4
SUB-TOTAL =							1,231.6	36,948.8	12,316.3
SUB-TOTAL (SHEET 1):							1,187.9	35,638.4	11,879.5
TOTAL =							2,419.6	72,587.2	24,195.7
ROUND TO:							2,420.0	72,590.0	24,200.0

LL = LANE LINE
 OLTL = OUTSIDE LEFT TURN LANE
 ILTL = INSIDE LEFT TURN LANE
 RTL = RIGHT TURN LANE
 EL = EDGELINE

NIGHTTIME WORK ZONE LIGHTING

LOCATION	NIGHTTIME WORK ZONE LIGHTING 70200100 (EACH)
ENTIRE PROJECT	1.0
TOTAL =	1.0

TEST STRIP

LOCATION	MICRO-SURFACING TEST STRIP X0326240 (EACH)
ENTIRE PROJECT	1.0
TOTAL =	1.0

CHANGEABLE MESSAGE SIGN

LOCATION	CHANGEABLE MESSAGE SIGN X7015005 (CAL DAY)
NB	7.0
SB	7.0
TOTAL =	14.0

SCHEDULE OF QUANTITIES

PAVEMENT MARKING (SHEET 1 OF 2)

LL/ SHOULDER	LOCATION	STA.	TO	STA.	LENGTH (FOOT)	STRIPE WIDTH (INCH)	SHORT TERM PAVEMENT MARKING 70300100 (FOOT)		WORK ZONE PAVEMENT REMOVAL 70301000 (SQ FT)
							YELLOW	WHITE	
LL	NB INSIDE LL	279+25.00		299+21.51	1,996.51	4.0	0.0	199.7	66.6
LL	NB INSIDE LL	300+51.28		305+32.76	481.48	4.0	0.0	48.1	16.0
LL	NB INSIDE LL	307+66.28		312+44.15	477.87	4.0	0.0	47.8	15.9
LL	NB INSIDE LL	314+36.18		327+50.47	1,314.29	4.0	0.0	131.4	43.8
LL	NB INSIDE LL	328+77.14		340+63.13	1,185.99	4.0	0.0	118.6	39.5
LL	NB INSIDE LL	341+45.35		354+34.39	1,289.04	4.0	0.0	128.9	43.0
LL	NB INSIDE LL	355+18.37		379+09.24	2,390.87	4.0	0.0	239.1	79.7
LL	NB INSIDE LL	380+45.32		392+10.00	1,164.68	4.0	0.0	116.5	38.8
LL	NB INSIDE LL	392+00.00		394+98.51	298.51	4.0	0.0	29.9	10.0
LL	NB OUTSIDE LL	279+25.00		299+21.51	1,996.51	4.0	0.0	199.7	66.6
LL	NB OUTSIDE LL	300+51.28		305+41.98	490.70	4.0	0.0	49.1	16.4
LL	NB OUTSIDE LL	307+77.03		312+44.15	467.12	4.0	0.0	46.7	15.6
LL	NB OUTSIDE LL	314+36.18		327+50.47	1,314.29	4.0	0.0	131.4	43.8
LL	NB OUTSIDE LL	328+77.14		340+63.13	1,185.99	4.0	0.0	118.6	39.5
LL	NB OUTSIDE LL	341+45.35		354+34.39	1,289.04	4.0	0.0	128.9	43.0
LL	NB OUTSIDE LL	355+18.37		379+09.24	2,390.87	4.0	0.0	239.1	79.7
LL	NB OUTSIDE LL	380+45.32		392+10.00	1,164.68	4.0	0.0	116.5	38.8
LL	NB OUTSIDE LL	392+00.00		395+10.25	310.25	4.0	0.0	31.0	10.3
SHOULDER	NB EL	282+66.32		291+66.02	899.70	4.0	36.0	0.0	12.0
LL	NB OLTL	293+39.27		299+21.51	582.24	4.0	0.0	58.2	19.4
LL	NB OLTL	307+57.82		312+44.15	486.33	4.0	0.0	48.6	16.2
SHOULDER	NB EL	320+18.79		321+03.13	84.34	4.0	3.4	0.0	1.1
LL	NB OLTL	322+95.31		327+32.27	436.96	4.0	0.0	43.7	14.6
LL	NB OLTL	335+22.35		340+63.13	540.78	4.0	0.0	54.1	18.0
SHOULDER	NB EL	341+70.41		349+10.14	739.73	4.0	29.6	0.0	9.9
LL	NB OLTL	351+39.80		354+34.39	294.59	4.0	0.0	29.5	9.8
SHOULDER	NB EL	355+65.16		365+80.24	1,015.08	4.0	40.6	0.0	13.5
LL	NB OLTL	376+57.51		379+09.24	251.73	4.0	0.0	25.2	8.4
LL	NB ILTL	293+39.27		298+74.53	535.26	4.0	0.0	53.5	17.8
LL	NB ILTL	322+95.31		327+09.75	414.44	4.0	0.0	41.4	13.8
LL	NB ILTL	351+39.80		353+89.37	249.57	4.0	0.0	25.0	8.3
LL	NB RTL	293+39.27		299+08.98	569.71	4.0	0.0	57.0	19.0
LL	NB RTL	307+87.76		312+44.95	457.19	4.0	0.0	45.7	15.2
LL	NB RTL	322+95.31		327+32.27	436.96	4.0	0.0	43.7	14.6
LL	NB RTL	335+22.35		340+54.00	531.65	4.0	0.0	53.2	17.7
LL	NB RTL	351+39.80		354+25.45	285.65	4.0	0.0	28.6	9.5
LL	NB RTL	374+65.89		379+09.24	443.35	4.0	0.0	44.3	14.8
SUB-TOTAL (SHEET 1) =							109.6	2,772.5	960.7

LL = LANE LINE
 OLTL = OUTSIDE LEFT TURN LANE
 ILTL = INSIDE LEFT TURN LANE
 RTL = RIGHT TURN LANE
 EL = EDGELINE

LL/ SHOULDER	LOCATION	STA.	TO	STA.	LENGTH (FOOT)	STRIPE WIDTH (INCH)	SHORT TERM PAVEMENT MARKING 70300100 (FOOT)		WORK ZONE PAVEMENT REMOVAL 70301000 (SQ FT)
							YELLOW	WHITE	
LL	SB INSIDE LL	279+25.00		298+84.04	1,959.04	4.0	0.0	195.9	65.3
LL	SB INSIDE LL	300+31.52		304+92.92	461.40	4.0	0.0	46.1	15.4
LL	SB INSIDE LL	307+25.95		312+44.15	518.20	4.0	0.0	51.8	17.3
LL	SB INSIDE LL	313+96.44		327+09.75	1,313.31	4.0	0.0	131.3	43.8
LL	SB INSIDE LL	326+46.78		340+07.31	1,360.53	4.0	0.0	136.1	45.4
LL	SB INSIDE LL	341+36.42		353+73.71	1,237.29	4.0	0.0	123.7	41.2
LL	SB INSIDE LL	355+72.60		379+09.24	2,336.64	4.0	0.0	233.7	77.9
LL	SB INSIDE LL	380+45.32		392+10.00	1,164.68	4.0	0.0	116.5	38.8
LL	SB INSIDE LL	392+00.00		394+72.09	272.09	4.0	0.0	27.2	9.1
LL	SB OUTSIDE LL	279+25.00		298+84.04	1,959.04	4.0	0.0	195.9	65.3
LL	SB OUTSIDE LL	300+31.52		304+83.67	452.15	4.0	0.0	45.2	15.1
LL	SB OUTSIDE LL	307+16.70		312+44.15	527.45	4.0	0.0	52.7	17.6
LL	SB OUTSIDE LL	313+96.44		327+09.75	1,313.31	4.0	0.0	131.3	43.8
LL	SB OUTSIDE LL	328+46.78		340+07.31	1,160.53	4.0	0.0	116.1	38.7
LL	SB OUTSIDE LL	341+36.42		353+73.71	1,237.29	4.0	0.0	123.7	41.2
LL	SB OUTSIDE LL	355+72.60		377+78.50	2,205.90	4.0	0.0	220.6	73.5
LL	SB OUTSIDE LL	380+45.32		392+10.00	1,164.68	4.0	0.0	116.5	38.8
LL	SB OUTSIDE LL	392+00.00		394+60.35	260.35	4.0	0.0	26.0	8.7
LL	SB OLTL	279+25.00		282+46.75	321.75	4.0	0.0	32.2	10.7
SHOULDER	SB EL	284+76.41		292+80.37	803.96	4.0	32.2	0.0	10.7
LL	SB OLTL	300+31.52		304+58.04	426.52	4.0	0.0	42.7	14.2
SHOULDER	SB EL	307+34.45		312+30.84	496.39	4.0	19.9	0.0	6.6
LL	SB OLTL	313+96.44		319+73.79	577.35	4.0	0.0	57.7	19.2
SHOULDER	SB EL	321+66.11		322+56.94	90.83	4.0	3.6	0.0	1.2
LL	SB OLTL	328+46.78		332+92.69	445.91	4.0	0.0	44.6	14.9
SHOULDER	SB EL	334+94.94		340+07.31	512.37	4.0	20.5	0.0	6.8
LL	SB OLTL	341+36.42		346+67.36	530.94	4.0	0.0	53.1	17.7
SHOULDER	SB EL	348+26.93		350+98.29	271.36	4.0	10.9	0.0	3.6
LL	SB OLTL	355+72.60		359+17.35	344.75	4.0	0.0	34.5	11.5
SHOULDER	SB EL	360+04.63		365+66.88	562.25	4.0	22.5	0.0	7.5
LL	SB OLTL	380+45.32		385+12.49	467.17	4.0	0.0	46.7	15.6
LL	SB ILTL	279+25.00		282+46.75	321.75	4.0	0.0	32.2	10.7
LL	SB ILTL	300+62.96		304+58.04	395.08	4.0	0.0	39.5	13.2
LL	SB ILTL	314+48.51		319+73.79	525.28	4.0	0.0	52.5	17.5
LL	SB ILTL	328+88.48		332+92.69	404.21	4.0	0.0	40.4	13.5
LL	SB RTL	300+47.48		304+68.24	420.76	4.0	0.0	42.1	14.0
LL	SB RTL	314+73.78		319+73.79	500.01	4.0	0.0	50.0	16.7
LL	SB RTL	329+17.14		333+64.87	447.73	4.0	0.0	44.8	14.9
LL	SB RTL	342+12.79		346+67.36	454.57	4.0	0.0	45.5	15.2
LL	SB RTL	355+72.60		361+47.08	574.48	4.0	0.0	57.4	19.1
LL	SB RTL	380+45.32		383+09.16	263.84	4.0	0.0	26.4	8.8
SUB-TOTAL (SHEET 2) =							109.5	2,832.6	980.7
SUB-TOTAL (SHEET 1):							109.6	2,772.5	960.7
TOTAL =							219.0	5,605.1	1,941.4
GRAND TOTAL =							5,824.1		
ROUND TO:							5,830.0		

SCHEDULE OF QUANTITIES

PAVEMENT MARKING (SHEET 2 OF 2)

LINE/SD	LOCATION	STATION	TO	STATION	LENGTH (FOOT)	STRIPE WIDTH (INCH)	MODIFIED URETHANE PAVEMENT MARKING - LINE, 4" 78009004 (FOOT)		PAVEMENT REMOVAL 78300100 (SQ FT)
							YELLOW	WHITE	
SD	NB INSIDE LL	279+25.00		299+21.51	1,996.51	4.0	0.0	499.1	166.4
SD	NB INSIDE LL	300+51.28		305+32.76	481.48	4.0	0.0	120.4	40.1
SD	NB INSIDE LL	307+66.28		312+44.15	477.87	4.0	0.0	119.5	39.8
SD	NB INSIDE LL	314+36.18		327+50.47	1,314.29	4.0	0.0	328.6	109.5
SD	NB INSIDE LL	328+77.14		340+63.13	1,185.99	4.0	0.0	296.5	98.8
SD	NB INSIDE LL	341+45.35		354+34.39	1,289.04	4.0	0.0	322.3	107.4
SD	NB INSIDE LL	355+18.37		379+09.24	2,390.87	4.0	0.0	597.7	199.2
SD	NB INSIDE LL	380+45.32		392+10.00	1,164.68	4.0	0.0	291.2	97.1
SD	NB INSIDE LL	392+00.00		394+98.51	298.51	4.0	0.0	74.6	24.9
SD	NB OUTSIDE LL	279+25.00		299+21.51	1,996.51	4.0	0.0	499.1	166.4
SD	NB OUTSIDE LL	300+51.28		305+41.98	490.70	4.0	0.0	122.7	40.9
SD	NB OUTSIDE LL	307+77.03		312+44.15	467.12	4.0	0.0	116.8	38.9
SD	NB OUTSIDE LL	314+36.18		327+50.47	1,314.29	4.0	0.0	328.6	109.5
SD	NB OUTSIDE LL	328+77.14		340+63.13	1,185.99	4.0	0.0	296.5	98.8
SD	NB OUTSIDE LL	341+45.35		354+34.39	1,289.04	4.0	0.0	322.3	107.4
SD	NB OUTSIDE LL	355+18.37		379+09.24	2,390.87	4.0	0.0	597.7	199.2
SD	NB OUTSIDE LL	380+45.32		392+10.00	1,164.68	4.0	0.0	291.2	97.1
SD	NB OUTSIDE LL	392+00.00		395+10.25	310.25	4.0	0.0	77.6	25.9
Y LINE	NB EL	282+80.81		291+66.02	885.21	4.0	885.2	0.0	295.1
W LINE	NB OLTL	293+39.27		299+21.51	582.24	4.0	0.0	582.2	194.1
W LINE	NB OLTL	307+57.82		312+44.15	486.33	4.0	0.0	486.3	162.1
Y LINE	NB EL	320+21.55		321+02.99	81.44	4.0	81.4	0.0	27.1
W LINE	NB OLTL	322+95.31		327+32.27	436.96	4.0	0.0	437.0	145.7
W LINE	NB OLTL	335+22.35		340+63.13	540.78	4.0	0.0	540.8	180.3
Y LINE	NB EL	341+70.41		349+44.29	773.88	4.0	773.9	0.0	258.0
W LINE	NB OLTL	351+39.80		354+34.39	294.59	4.0	0.0	294.6	98.2
Y LINE	NB EL	355+94.06		364+62.59	868.53	4.0	868.5	0.0	289.5
W LINE	NB OLTL	376+57.51		379+09.24	251.73	4.0	0.0	251.7	83.9
SD	NB ILTL	293+39.27		298+74.53	535.26	4.0	0.0	133.8	44.6
SD	NB ILTL	322+95.31		327+09.75	414.44	4.0	0.0	103.6	34.5
SD	NB ILTL	351+39.80		353+89.37	249.57	4.0	0.0	62.4	20.8
W LINE	NB RTL	293+39.27		299+08.98	569.71	4.0	0.0	569.7	189.9
W LINE	NB RTL	307+87.76		312+44.95	457.19	4.0	0.0	457.2	152.4
W LINE	NB RTL	322+95.31		327+32.27	436.96	4.0	0.0	437.0	145.7
W LINE	NB RTL	335+22.35		340+54.00	531.65	4.0	0.0	531.7	177.2
W LINE	NB RTL	351+39.80		354+25.45	285.65	4.0	0.0	285.6	95.2
W LINE	NB RTL	374+65.89		379+09.24	443.35	4.0	0.0	443.3	147.8
SUB-TOTAL (SHEET 1) =							2,609.1	10,919.1	4,509.4

LL = LANE LINE
 OLTL = OUTSIDE LEFT TURN LANE
 ILTL = INSIDE LEFT TURN LANE
 RTL = RIGHT TURN LANE
 EL = EDGELINE
 SD = SKIP DASH

LINE/SD	LOCATION	STATION	TO	STATION	LENGTH (FOOT)	STRIPE WIDTH (INCH)	MODIFIED URETHANE PAVEMENT MARKING - LINE, 4" 78009004 (FOOT)		PAVEMENT REMOVAL 78300100 (SQ FT)
							YELLOW	WHITE	
SD	SB INSIDE LL	279+25.00		298+84.04	1,959.04	4.0	0.0	489.8	163.3
SD	SB INSIDE LL	300+31.52		304+92.92	461.40	4.0	0.0	115.3	38.4
SD	SB INSIDE LL	307+25.95		312+44.15	518.20	4.0	0.0	129.6	43.2
SD	SB INSIDE LL	313+96.44		327+09.75	1,313.31	4.0	0.0	328.3	109.4
SD	SB INSIDE LL	326+46.78		340+07.31	1,360.53	4.0	0.0	340.1	113.4
SD	SB INSIDE LL	341+36.42		353+73.71	1,237.29	4.0	0.0	309.3	103.1
SD	SB INSIDE LL	355+72.60		379+09.24	2,336.64	4.0	0.0	584.2	194.7
SD	SB INSIDE LL	380+45.32		392+10.00	1,164.68	4.0	0.0	291.2	97.1
SD	SB INSIDE LL	392+00.00		394+72.09	272.09	4.0	0.0	68.0	22.7
SD	SB OUTSIDE LL	279+25.00		298+84.04	1,959.04	4.0	0.0	489.8	163.3
SD	SB OUTSIDE LL	300+31.52		304+83.67	452.15	4.0	0.0	113.0	37.7
SD	SB OUTSIDE LL	307+16.70		312+44.15	527.45	4.0	0.0	131.9	44.0
SD	SB OUTSIDE LL	313+96.44		327+09.75	1,313.31	4.0	0.0	328.3	109.4
SD	SB OUTSIDE LL	328+46.78		340+07.31	1,160.53	4.0	0.0	290.1	96.7
SD	SB OUTSIDE LL	341+36.42		353+73.71	1,237.29	4.0	0.0	309.3	103.1
SD	SB OUTSIDE LL	355+72.60		377+78.50	2,205.90	4.0	0.0	551.5	183.8
SD	SB OUTSIDE LL	380+45.32		392+10.00	1,164.68	4.0	0.0	291.2	97.1
SD	SB OUTSIDE LL	392+00.00		394+60.35	260.35	4.0	0.0	65.1	21.7
W LINE	SB OLTL	279+25.00		282+46.75	321.75	4.0	0.0	321.8	107.3
Y LINE	SB EL	284+44.46		292+86.81	842.35	4.0	842.4	0.0	280.8
W LINE	SB OLTL	300+31.52		304+58.04	426.52	4.0	0.0	426.5	142.2
Y LINE	SB EL	307+34.45		312+44.15	509.70	4.0	509.7	0.0	169.9
W LINE	SB OLTL	313+96.44		319+73.79	577.35	4.0	0.0	577.4	192.5
Y LINE	SB EL	322+03.45		322+95.31	91.86	4.0	91.9	0.0	30.6
W LINE	SB OLTL	328+46.78		332+92.69	445.91	4.0	0.0	445.9	148.6
Y LINE	SB EL	335+22.35		340+07.31	484.96	4.0	485.0	0.0	161.7
W LINE	SB OLTL	341+36.42		346+67.36	530.94	4.0	0.0	530.9	177.0
Y LINE	SB EL	348+97.02		350+98.29	201.27	4.0	201.3	0.0	67.1
W LINE	SB OLTL	355+72.60		359+17.35	344.75	4.0	0.0	344.8	114.9
Y LINE	SB EL	361+47.08		366+50.27	503.19	4.0	503.2	0.0	167.7
W LINE	SB OLTL	380+45.32		385+12.49	467.17	4.0	0.0	467.2	155.7
SD	SB ILTL	279+25.00		282+46.75	321.75	4.0	0.0	80.4	26.8
SD	SB ILTL	300+62.96		304+58.04	395.08	4.0	0.0	98.8	32.9
SD	SB ILTL	314+48.51		319+73.79	525.28	4.0	0.0	131.3	43.8
SD	SB ILTL	328+88.48		332+92.69	404.21	4.0	0.0	101.1	33.7
W LINE	SB RTL	300+47.48		304+68.24	420.76	4.0	0.0	420.8	140.3
W LINE	SB RTL	314+73.78		319+73.79	500.01	4.0	0.0	500.0	166.7
W LINE	SB RTL	329+17.14		333+64.87	447.73	4.0	0.0	447.7	149.2
W LINE	SB RTL	342+12.79		346+67.36	454.57	4.0	0.0	454.6	151.5
W LINE	SB RTL	355+72.60		361+47.08	574.48	4.0	0.0	574.5	191.5
W LINE	SB RTL	380+45.32		383+09.16	263.84	4.0	0.0	263.8	87.9

SUB-TOTAL (SHEET 2) =		2,633.3	11,413.3	4,682.2
SUB-TOTAL (SHEET 1):		2,609.1	10,919.1	4,509.4
TOTAL =		5,242.4	22,332.5	
GRAND TOTAL =		27,574.9		9,191.6
ROUND TO:		27,580.0		9,200.0

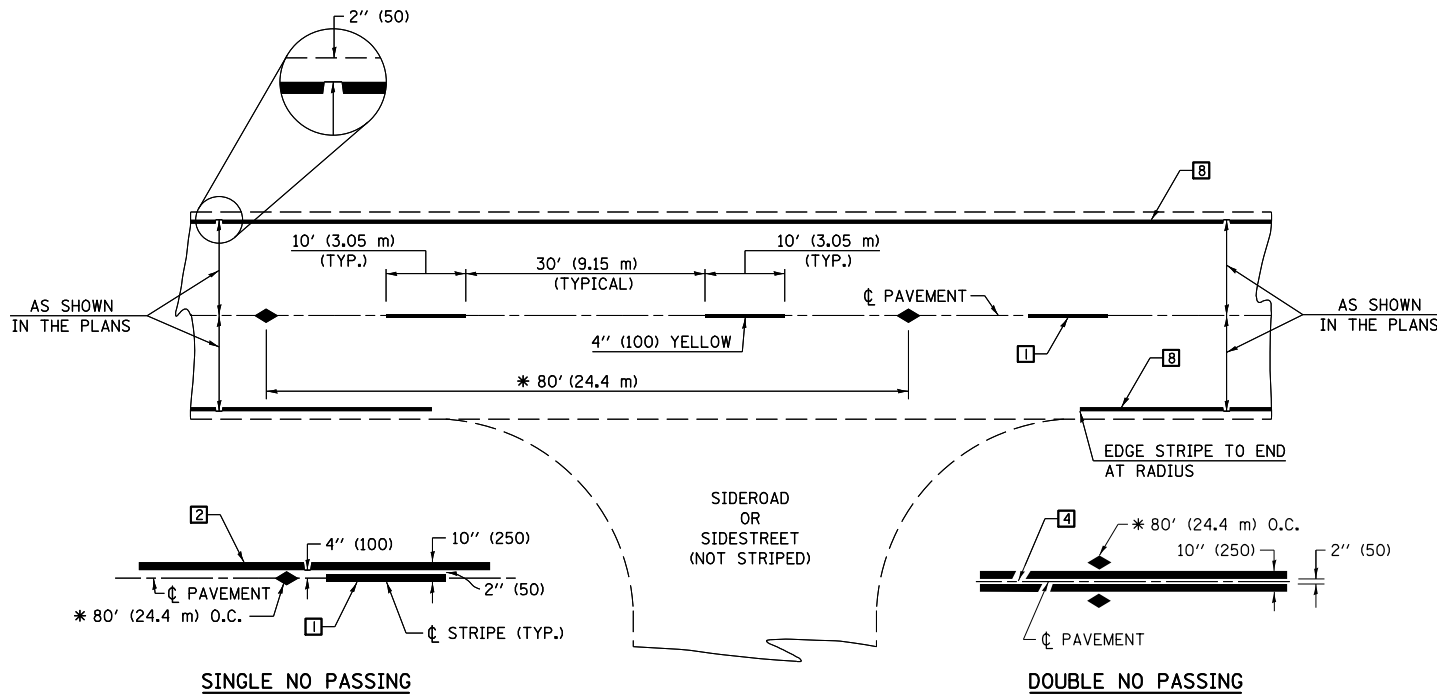
SCHEDULE OF QUANTITIES

RAISED REFLECTIVE PAVEMENT MARKERS

LOCATION	STATION	TO	STATION	LENGTH (FOOT)	RAISED REFLECTIVE PAVEMENT MARKER 78100100 (EACH)	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL 78300200 (EACH)
NB INSIDE LL	279+25.00		299+21.51	1996.51	50.0	50.0
NB INSIDE LL	300+51.28		305+32.76	481.48	13.0	13.0
NB INSIDE LL	307+66.28		312+44.15	477.87	12.0	12.0
NB INSIDE LL	314+36.18		327+50.47	1314.29	33.0	33.0
NB INSIDE LL	328+77.14		340+63.13	1185.99	30.0	30.0
NB INSIDE LL	341+45.35		354+34.39	1289.04	33.0	33.0
NB INSIDE LL	355+18.37		379+09.24	2390.87	60.0	60.0
NB INSIDE LL	380+45.32		392+10.00	1164.68	30.0	30.0
NB INSIDE LL	392+00.00		394+98.51	298.51	8.0	8.0
NB OUTSIDE LL	279+25.00		299+21.51	1996.51	50.0	50.0
NB OUTSIDE LL	300+51.28		305+41.98	490.70	13.0	13.0
NB OUTSIDE LL	307+77.03		312+44.15	467.12	12.0	12.0
NB OUTSIDE LL	314+36.18		327+50.47	1314.29	33.0	33.0
NB OUTSIDE LL	328+77.14		340+63.13	1185.99	30.0	30.0
NB OUTSIDE LL	341+45.35		354+34.39	1289.04	33.0	33.0
NB OUTSIDE LL	355+18.37		379+09.24	2390.87	60.0	60.0
NB OUTSIDE LL	380+45.32		392+10.00	1164.68	30.0	30.0
NB OUTSIDE LL	392+00.00		395+10.25	310.25	8.0	8.0
NB EL	282+80.81		291+66.02	885.21	0.0	0.0
NB OLTL	293+39.27		299+21.51	582.24	15.0	15.0
NB OLTL	307+57.82		312+44.15	486.33	13.0	13.0
NB EL	320+21.55		321+02.99	81.44	0.0	0.0
NB OLTL	322+95.31		327+32.27	436.96	11.0	11.0
NB OLTL	335+22.35		340+63.13	540.78	14.0	14.0
NB EL	341+70.41		349+44.29	773.88	0.0	0.0
NB OLTL	351+39.80		354+34.39	294.59	8.0	8.0
NB EL	355+94.06		364+62.59	868.53	0.0	0.0
NB OLTL	376+57.51		379+09.24	251.73	7.0	7.0
NB ILTL	293+39.27		298+74.53	535.26	7.0	7.0
NB ILTL	322+95.31		327+09.75	414.44	6.0	6.0
NB ILTL	351+39.80		353+89.37	249.57	4.0	4.0
NB RTL	293+39.27		299+08.98	569.71	15.0	15.0
NB RTL	307+87.76		312+44.95	457.19	12.0	12.0
NB RTL	322+95.31		327+32.27	436.96	11.0	11.0
NB RTL	335+22.35		340+54.00	531.65	14.0	14.0
NB RTL	351+39.80		354+25.45	285.65	8.0	8.0
NB RTL	374+65.89		379+09.24	443.35	12.0	12.0
SUB-TOTAL (SHEET 1):					695.0	695.0

LL = LANE LINE
 OLTL = OUTSIDE LEFT TURN LANE
 ILTL = INSIDE LEFT TURN LANE
 RTL = RIGHT TURN LANE
 EL = EDGELINE

LOCATION	STATION	TO	STATION	LENGTH (FOOT)	RAISED REFLECTIVE PAVEMENT MARKER 78100100 (EACH)	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL 78300200 (EACH)
SB INSIDE LL	279+25.00		298+84.04	1959.04	49.0	49.0
SB INSIDE LL	300+31.52		304+92.92	461.40	12.0	12.0
SB INSIDE LL	307+25.95		312+44.15	518.20	13.0	13.0
SB INSIDE LL	313+96.44		327+09.75	1313.31	33.0	33.0
SB INSIDE LL	326+46.78		340+07.31	1360.53	35.0	35.0
SB INSIDE LL	341+36.42		353+73.71	1237.29	31.0	31.0
SB INSIDE LL	355+72.60		379+09.24	2336.64	59.0	59.0
SB INSIDE LL	380+45.32		392+10.00	1164.68	30.0	30.0
SB INSIDE LL	392+00.00		394+72.09	272.09	7.0	7.0
SB OUTSIDE LL	279+25.00		298+84.04	1959.04	49.0	49.0
SB OUTSIDE LL	300+31.52		304+83.67	452.15	12.0	12.0
SB OUTSIDE LL	307+16.70		312+44.15	527.45	14.0	14.0
SB OUTSIDE LL	313+96.44		327+09.75	1313.31	33.0	33.0
SB OUTSIDE LL	328+46.78		340+07.31	1160.53	30.0	30.0
SB OUTSIDE LL	341+36.42		353+73.71	1237.29	31.0	31.0
SB OUTSIDE LL	355+72.60		377+78.50	2205.90	56.0	56.0
SB OUTSIDE LL	380+45.32		392+10.00	1164.68	30.0	30.0
SB OUTSIDE LL	392+00.00		394+60.35	260.35	7.0	7.0
SB OLTL	279+25.00		282+46.75	321.75	9.0	9.0
SB EL	284+44.46		292+86.81	842.35	0.0	0.0
SB OLTL	300+31.52		304+58.04	426.52	11.0	11.0
SB EL	307+34.45		312+44.15	509.70	0.0	0.0
SB OLTL	313+96.44		319+73.79	577.35	15.0	15.0
SB EL	322+03.45		322+95.31	91.86	0.0	0.0
SB OLTL	328+46.78		332+92.69	445.91	12.0	12.0
SB EL	335+22.35		340+07.31	484.96	0.0	0.0
SB OLTL	341+36.42		346+67.36	530.94	14.0	14.0
SB EL	348+97.02		350+98.29	201.27	0.0	0.0
SB OLTL	355+72.60		359+17.35	344.75	9.0	9.0
SB EL	361+47.08		366+50.27	503.19	0.0	0.0
SB OLTL	380+45.32		385+12.49	467.17	12.0	12.0
SB ILTL	279+25.00		282+46.75	321.75	5.0	5.0
SB ILTL	300+62.96		304+58.04	395.08	5.0	5.0
SB ILTL	314+48.51		319+73.79	525.28	7.0	7.0
SB ILTL	328+88.48		332+92.69	404.21	6.0	6.0
SB RTL	300+47.48		304+68.24	420.76	11.0	11.0
SB RTL	314+73.78		319+73.79	500.01	13.0	13.0
SB RTL	329+17.14		333+64.87	447.73	12.0	12.0
SB RTL	342+12.79		346+67.36	454.57	12.0	12.0
SB RTL	355+72.60		361+47.08	574.48	15.0	15.0
SB RTL	380+45.32		383+09.16	263.84	7.0	7.0
SUB-TOTAL =					706.0	706.0
SUB-TOTAL (SHEET 1):					695.0	695.0
TOTAL =					1401.0	1401.0
ROUND TO:					1410.0	1410.0



* REDUCE TO 40' (12.2 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEEDS OF 45 mph (70 km/h) OR LESS.

TWO LANE/TWO WAY

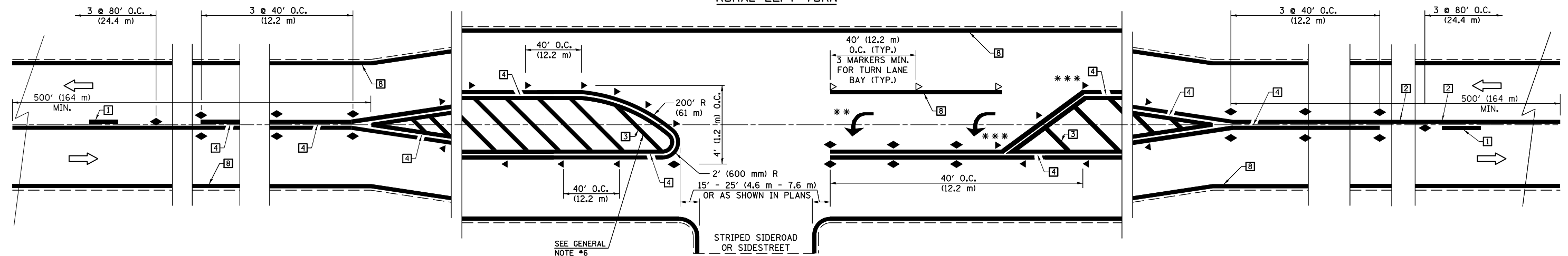
TYPICAL PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 4" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) LANE LINE EXTENSIONS (WHITE)
- 14 4" (100) PARKING WHITE

TYPICAL PAVEMENT MARKERS LEGEND

- ◆ TWO-WAY AMBER MARKER
- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER

RURAL LEFT TURN



*** REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.
 ** TURN ARROWS SHALL BE PLACED AS SHOWN ON SHEET #2.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = detersbj	DESIGNED -	REVISED - 11/06
ei:\pw\work\p\idot\detersbj\0345695\0578A36-sht-details.dgn		DRAWN -	REVISED - 09/2009 - KJT
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 5/23/2013	DATE -	REVISED -

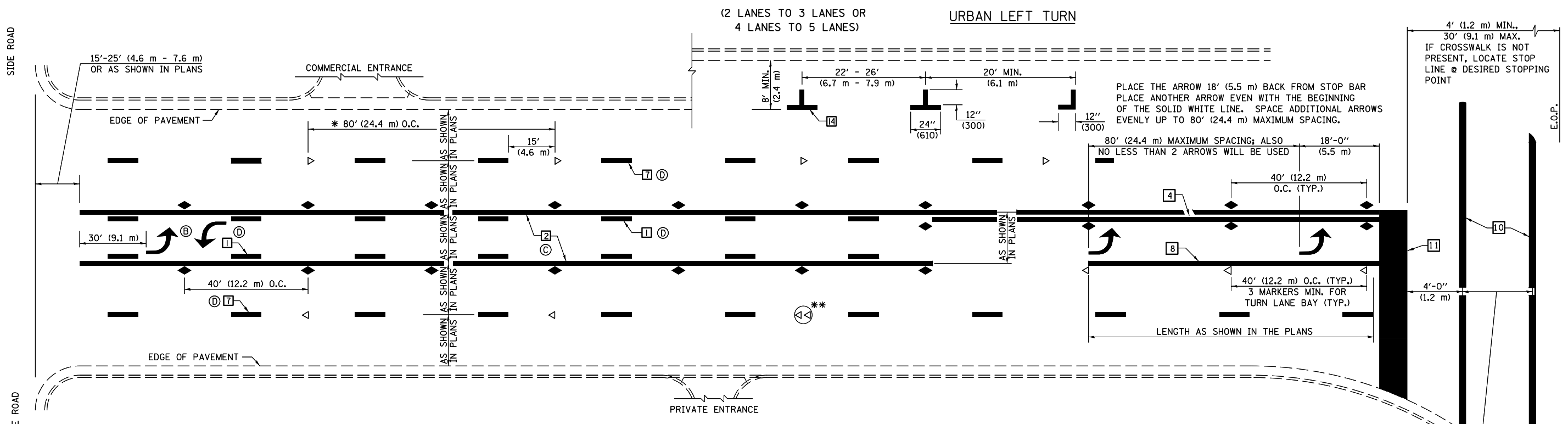
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND MARKERS
(RURAL & URBAN APPLICATIONS)**

SCALE: SHEET NO. 1 OF 4 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 7800AAA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	D5 MICRO 2014-1	MCLEAN	25	22
CONTRACT NO. 70A36				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

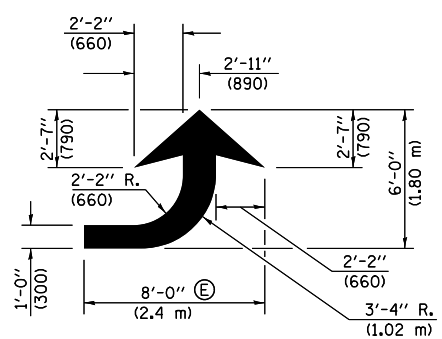


* REDUCE TO 40 FEET (12.2 METERS) ON CENTER ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

** DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

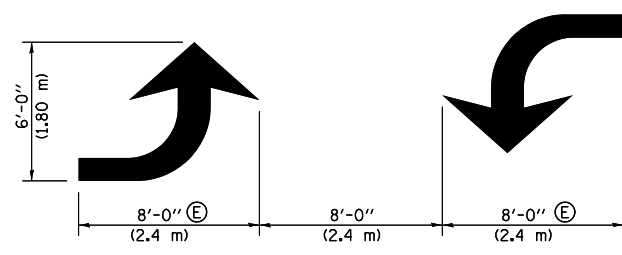
GENERAL NOTES:

- ⓑ TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE.
- ⓒ THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
- ⓓ THE SKIP-DASH PAVEMENT MARKINGS [1] OR [7] SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER. SEE EXAMPLE ON SHEET 2 OF 3.
- ⓔ USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)



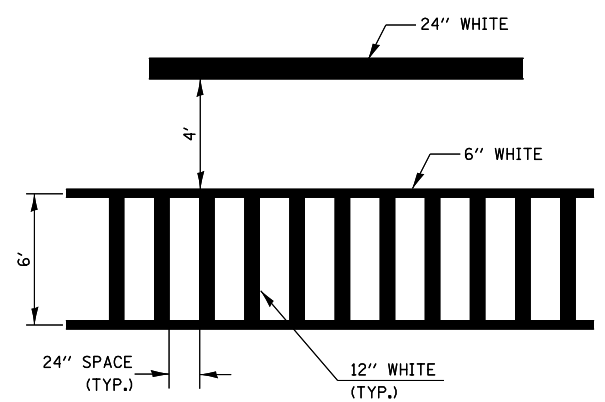
LEFT ARROW

REVERSE FOR RIGHT ARROW
AREA = 15.6 SQ. FT. (1.47 m²)
(WHITE)

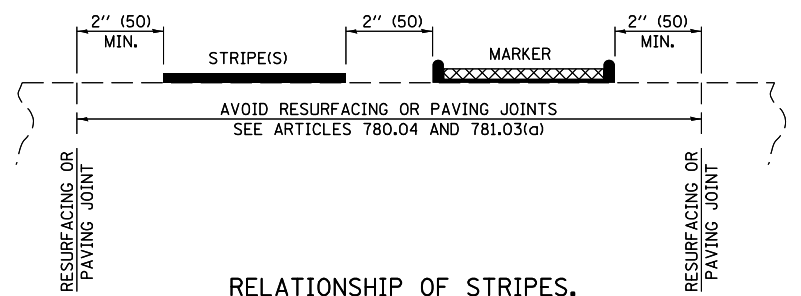


TYPICAL DOUBLE TURN ARROWS (WHITE)

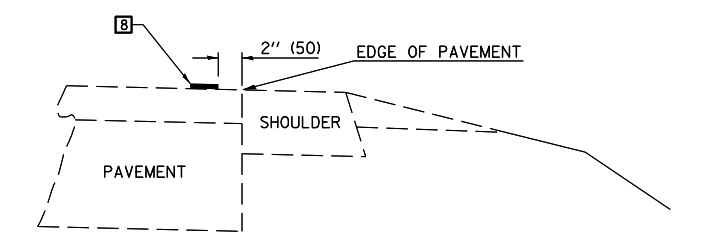
BLOOMINGTON-NORMAL CITY LIMITS ONLY



TYPICAL SPACING FOR CROSSWALKS & STOP BARS



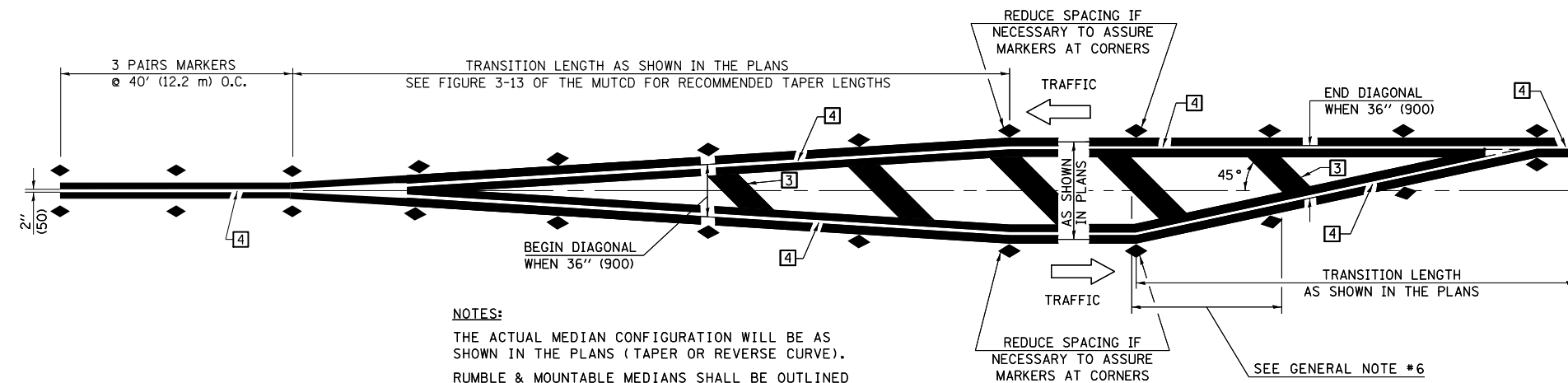
RELATIONSHIP OF STRIPES, MARKERS AND JOINTS



RELATIONSHIP OF EDGE LINE TO EDGE OF PAVEMENT (SAFETY SHOULDER OR PAVED SURFACE) SEE ARTICLE 780.04

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = detersbj	DESIGNED -	REVISED - 11/06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)	F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ei:\pw_work\p\idot\detersbj\0345695\0578036-sht-details.dgn	DRAWN -	REVISED - 09/2009 - KJT	704			D5 MICRO 2014-1	MCLEAN	25	23	
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -	CONTRACT NO. 70A36							
PLOT DATE = 5/23/2013	DATE -	REVISED -	FED. ROAD DIST. NO.			ILLINOIS	FED. AID PROJECT			

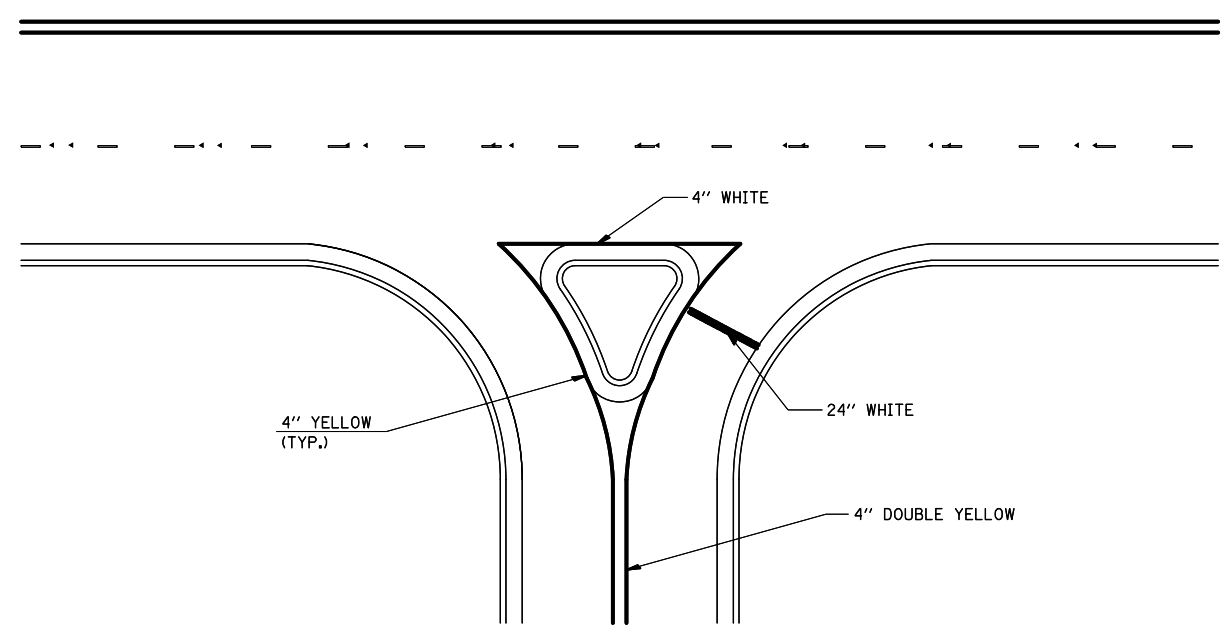


NOTES:
 THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).
 RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [2].

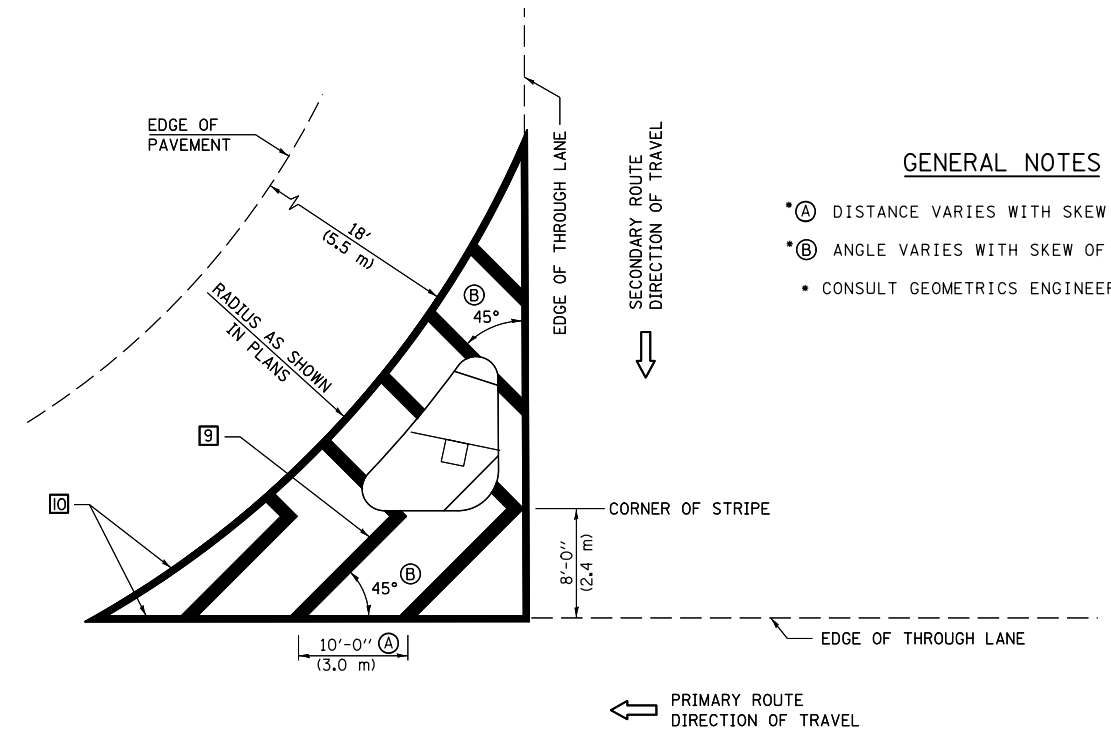
TYPICAL MEDIAN TRANSITIONS

GENERAL NOTES

1. WHEN MEDIANS ARE PRESENT, PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. A STRIPING KEY IS AVAILABLE ELSEWHERE AND SHALL BE SHOWN WHERE THE QUANTITIES ARE LISTED.
5. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
6. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING,
 < 30 MPH USE 15' (< 50 km/h USE 4.5 m)
 30-45 MPH USE 20' (50-75 km/h USE 6.0 m)
 > 45 MPH USE 30' (> 75 km/h USE 9.0 m)



RIGHT IN - RIGHT OUT ACCESS



GENERAL NOTES

- (A) DISTANCE VARIES WITH SKEW OF INTERSECTION.
- (B) ANGLE VARIES WITH SKEW OF INTERSECTION.
- CONSULT GEOMETRICS ENGINEER

ISLAND

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = detersbj	DESIGNED -	REVISED - 11/06
ei:\pw\work\p\id\detersbj\d0345695\0578A36-sht-details.dgn		DRAWN -	REVISED - 09/2009 - KJT
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 5/23/2013	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND MARKERS
 (RURAL & URBAN APPLICATIONS)**

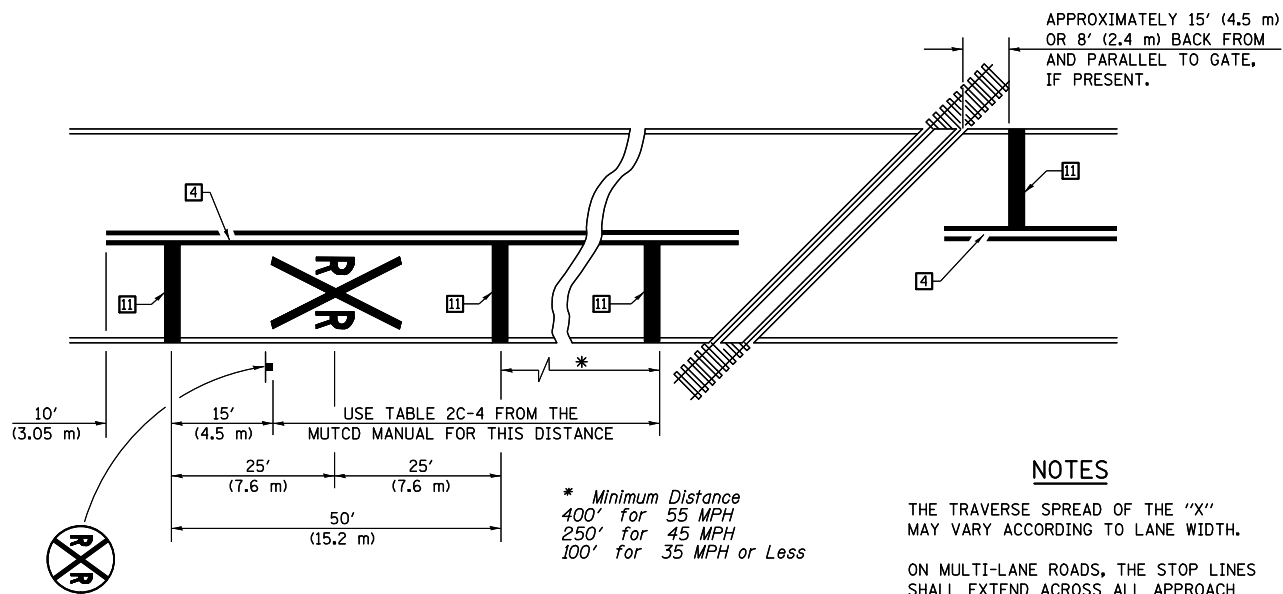
SCALE: SHEET NO. 3 OF 4 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 7800AAA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	D5 MICRO 2014-1	MCLEAN	25	24
CONTRACT NO. 70A36				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

RAILROAD CROSSING WITH INTERCONNECT ONLY

RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



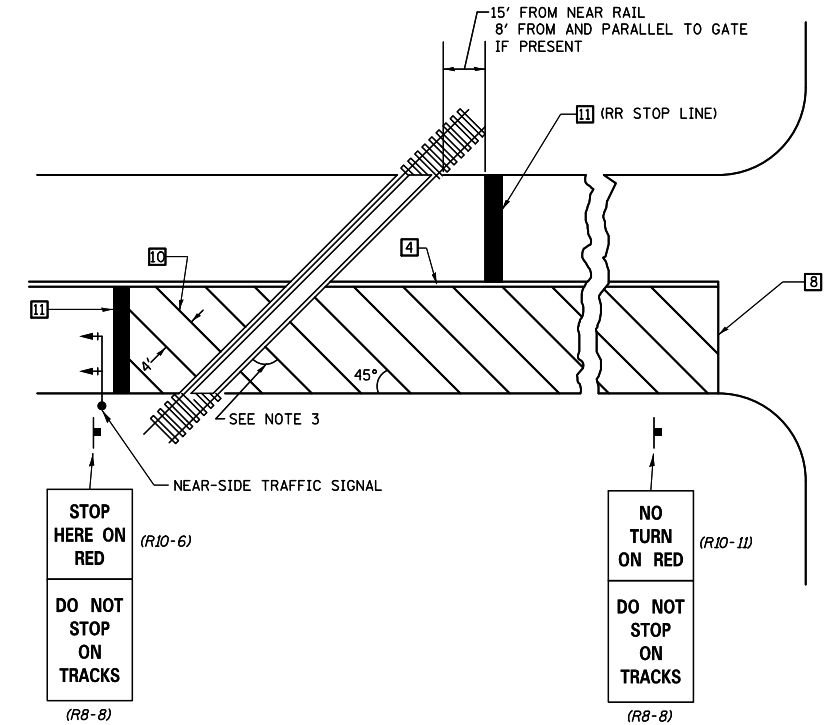
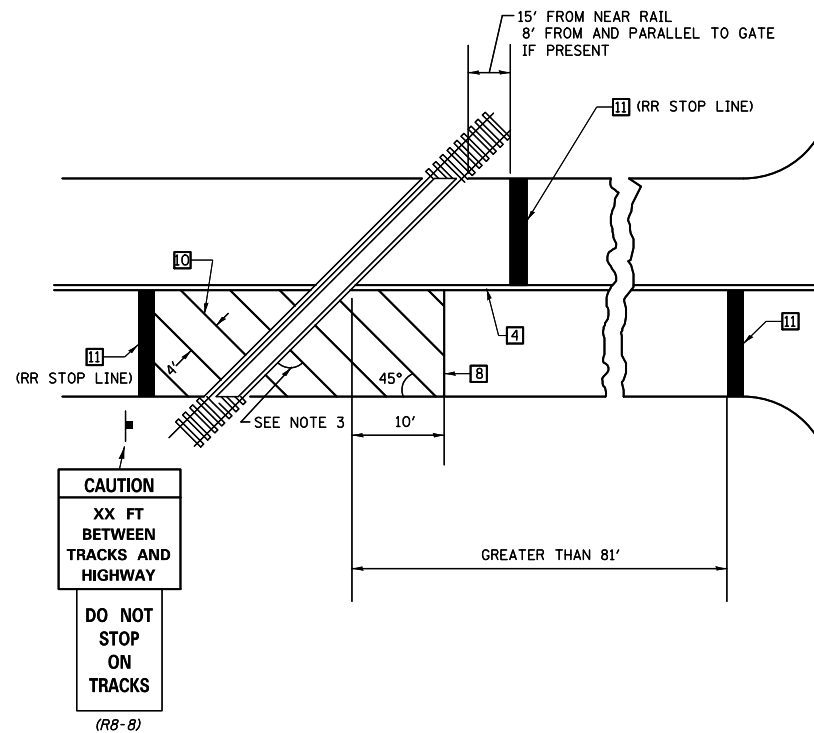
PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

NOTES

THE TRAVERSE SPREAD OF THE "X" MAY VARY ACCORDING TO LANE WIDTH.

ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

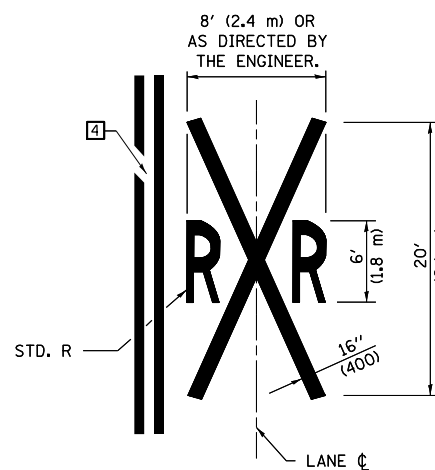
WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.



SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

GENERAL NOTES

- SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.
- WHERE THE ANGLE BETWEEN THE DIAGONAL PAVEMENT MARKINGS AND THE TRACK WOULD BE LESS THAN 20°, THE PAVEMENT MARKINGS SHOULD BE PLACED IN THE OPPOSITE DIRECTION FROM THAT SHOWN.



Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = detersbj	DESIGNED -	REVISED - 11/06
c:\pw\work\p1dot\detersbj\0345695\0570A36-sht-details.dgn		DRAWN -	REVISED - 09/2009 - KJT
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 5/23/2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND MARKERS
(RURAL & URBAN APPLICATIONS)

SCALE: SHEET NO. 4 OF 4 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 7800AAA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	D5 MICRO 2014-1	MCLEAN	25	25
CONTRACT NO. 70A36				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				