

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
518	(38Q)RS	CHAMPAIGN	38	1

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

FAS ROUTE 518 (CH 22)

SECTION (38Q)RS

RESURFACING (3P)

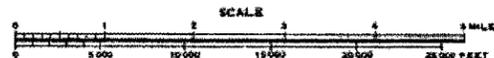
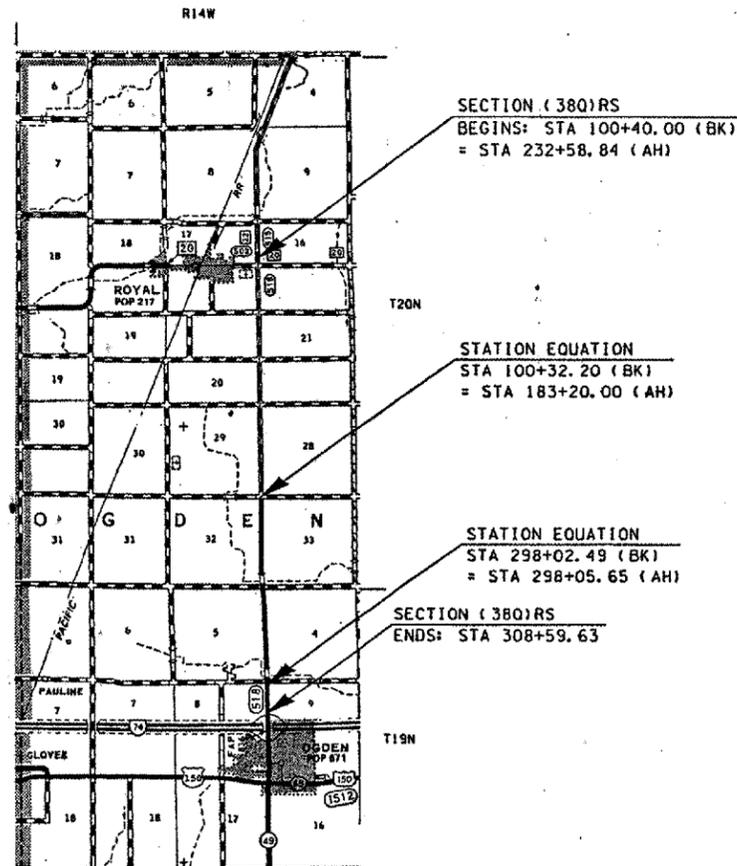
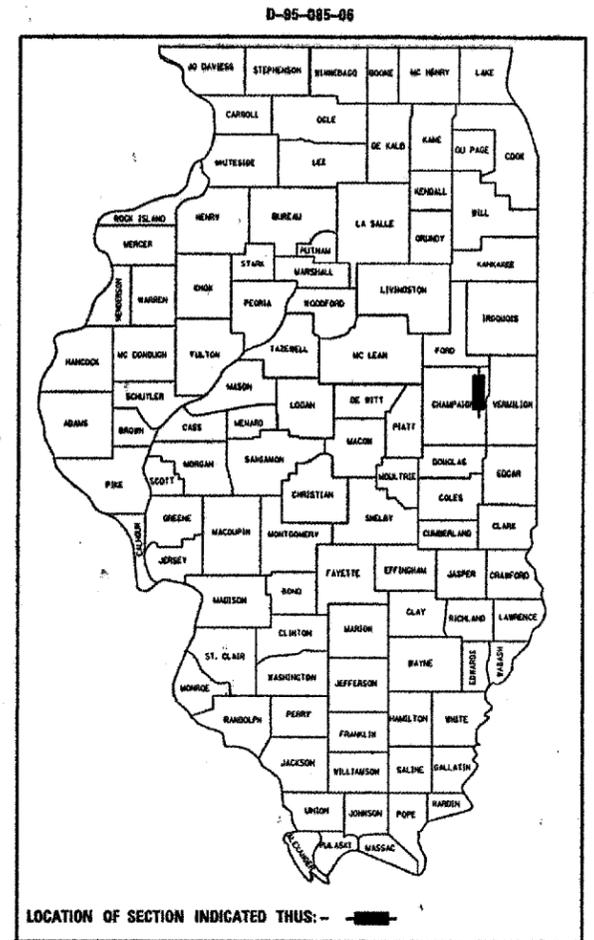
FROM ROYAL RD TO I-74 N OF OGDEN

CHAMPAIGN COUNTY

PROJECT RS-0518 (103)

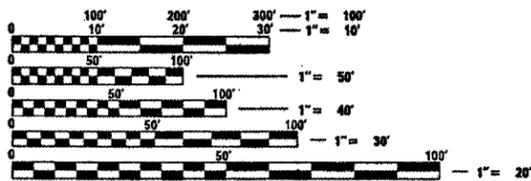
C-95-085-06

FOR INDEX OF SHEETS, SEE SHEET NO. 2  
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4-5



TOTAL LENGTH OF SECTION & PROJECT = 25763.11 FEET = 4.879 MILES  
NET LENGTH OF SECTION & PROJECT = 25763.11 FEET = 4.879 MILES

**DESIGN DESIGNATION**  
ADT = 1350(2006) RURAL MAJOR COLLECTOR - I-74 TO 1.5 MI N OF I-74 - NA  
ADT = 850(2006) RURAL MAJOR COLLECTOR - 1.5 MI N OF I-74 TO ROYAL RD- NA



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

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED March 22, 2007

*[Signature]*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION 3 ENGINEER

May 11, 2007  
*[Signature]*  
INTERIM ENGINEER OF DESIGN AND ENVIRONMENT

May 11, 2007  
*[Signature]*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

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# LIST OF STANDARDS

408201	MAILBOX TURNOUT
442201-02	CLASS C AND D PATCHES
482011-02	BITUMINOUS SHOUDLER STRIPS/SHOULDERS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
701006-02	OFF-ROAD OPERATIONS, 2L, 2W, 4.5m (15') TO 600 mm (24') FROM PAVEMENT EDGE
701011-01	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-02	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS $\geq$ 45 MPH
701301-02	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-01	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS $\geq$ 45 MPH
701311-02	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701316-03	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR, FOR SPEEDS $\geq$ 45 MPH
701326-02	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS $\geq$ 45 MPH
702001-06	TRAFFIC CONTROL DEVICES
780001-01	TYPICAL PAVEMENT MARKINGS
886001	DETECTOR LOOP INSTALLATIONS
886006	TYPICAL LAYOUT FOR DETECTION LOOPS
000001-04	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT

CONTRACT NO. 70587				
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
518	CS80RS	CHAMPAIGN	38	2
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLOT DATE : 3/22/2007  
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 PLOT SCALE : 423625 / 111  
 USER NAME : vanL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS / LIST OF STANDARDS

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_

DATE \_\_\_\_\_ DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

# GENERAL NOTES

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
518	(380)RS	CHAMPAIGN	38	3
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS	FED. AID PROJECT	

**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.-406**

THE QUANTITIES INCLUDED IN THE PLANS FOR BITUMINOUS CONCRETE RESURFACING ARE INTENDED TO GIVE THE COVERAGE SHOWN ON THE TYPICAL CROSS SECTIONS. IT IS NOT INTENDED TO INCREASE THE THICKNESS OF THE BITUMINOUS MIXTURE IN ORDER TO USE ALL OF THE QUANTITIES INCLUDED IN THE CONTRACT.

**G.N.-406.05b**

ALL LEVELING BINDER OR BINDER SHALL BE GIVEN A FOG COAT OF PRIME BEFORE THE SURFACE COURSE IS PLACED WHEN DIRECTED BY THE ENGINEER.

THE FOG COAT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER GALLON FOR BITUMINOUS MATERIAL (PRIME COAT) AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

**G.N. -406H**

**MIXTURE REQUIREMENTS**

The following mixture requirements are applicable for this project:

Location(s) Mixture Use	FAS 518 Level Binder & PD Patch	FAS 518 Surface & Incidental	FAS 518 Class D Patch Base Course Wid, 6" Base Course (Option)
AC/PG	PG 64-22	PG 64-22	PG 64-22
RAP % (Max) *	15/25	10/15	15/25
Design Air Voids	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70
Mix Comp(Gradation)	IL 9.5	IL 9.5	IL 19.0
Friction Aggregate	Mix C	Mix C	N.A.

\* THE HIGHER PERCENTAGES WILL BE ALLOWED IF 3/8" RAP IS UTILIZED ACCORDING TO THE "RECYCLED ASPHALT PAVEMENT (BDE)" SPECIAL PROVISION.

**G.N.-442B – PATCHING SCHEDULES**

THE PATCHING SCHEDULES INCLUDED IN THE PLANS REPRESENT THE BEST INFORMATION AVAILABLE AT THE TIME OF COMPLETION OF THE PLANS FOR LETTING. VARIATIONS IN LOCATION AND SIZES OF BOTH FULL-DEPTH AND PARTIAL-DEPTH PATCHES MAY OCCUR.

**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.-1004.01**

COARSE AGGREGATE GRADATION CA-10 MAY BE USED WHENEVER COARSE AGGREGATE CA-6 IS SPECIFIED IN THE STANDARD SPECIFICATIONS.

## EARTHWORK ANALYSIS

LOCATION	EARTH EXCAVATION (WIDENING)	EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE
	CU YD	CU YD	CU YD	CU YD
STA. 183+20.00 TO STA. 290+86.00	509.0	381.8	0.0	+381.8
RT STA. 235+26.40 TO STA. 237+22.40	8.5	6.4	0.0	+6.4
LT STA. 235+33.33 TO STA. 237+22.94	7.4	5.6	0.0	+5.6
<b>TOTALS =</b>	<b>525.0</b>	<b>394.0</b>	<b>0.0</b>	<b>+394.0</b>

SHRINKAGE FACTOR (SF) = 25%

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		GENERAL NOTES
SCALE:	VERT. / HORIZ.	DRAWN BY / CHECKED BY

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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
518	(380)RS	CHAMPAIGN	38	4
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

# SUMMARY OF QUANTITIES

**80% FED.  
20% STATE**

**LOCATION OF WORK:**

FAS 518 (CH 22) FAS 518 (CH 22)  
 CHAMPAIGN CHAMPAIGN  
 COUNTY COUNTY  
 SN 010-0095  
 STA. 100+40.00  
 TO STA 236+26.00  
 STA. 308+59.63  
 RURAL RURAL  
 100% STATE 100% STATE  
 I000 X020-2A

**CONSTRUCTION TYPE CODE:**

CODE NO	ITEM	UNIT	TOTAL QUANTITY		
20200500	EARTH EXCAVATION (WIDENING)	CU YD	525.0	525.0	0.0
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	139.0	139.0	0.0
35600700	HOT-MIX ASPHALT BASE COURSE WIDENING, 6"	SQ YD	3,525.0	3,525.0	0.0
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	10,326.0	10,326.0	0.0
40600300	AGGREGATE (PRIME COAT)	TON	194.0	194.0	0.0
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	3,509.0	3,509.0	0.0
40600895	CONSTRUCTING TEST STRIP	EACH	2.0	2.0	0.0
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	429.0	429.0	0.0
40600990	TEMPORARY RAMP	SQ YD	43.0	43.0	0.0
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	5,333.0	5,326.0	7.0
40800010	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	156.0	156.0	0.0
40800030	AGGREGATE (PRIME COAT)	TON	3.0	3.0	0.0
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	232.0	232.0	0.0
44000196	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL	SQ YD	1,680.0	1,680.0	0.0
44001005	HOT-MIX ASPHALT SURFACE REMOVAL	SQ YD	74.0	0.0	74.0
48101200	AGGREGATE SHOULDERS, TYPE B	TON	3,924.0	3,924.0	0.0
58100200	WATERPROOFING MEMBRANE SYSTEM	SQ YD	100.0	0.0	100.0
67100100	MOBILIZATION	L SUM	1.0	1.0	0.0

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: VERT.      DRAWN BY  
 HORIZ.              CHECKED BY  
 DATE

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# SUMMARY OF QUANTITIES

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
518	0380RS	CHAMPAIGN	38	5
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS	FED. AID PROJECT	

**80% FED.  
20% STATE**

**LOCATION OF WORK:**

FAS 518 (CH 22)	FAS 518 (CH 22)
CHAMPAIGN COUNTY	CHAMPAIGN COUNTY
	SN 010-0095
STA. 100+40.00	
TO	STA 236+26.00
STA. 308+59.63	
RURAL	RURAL
<del>100% STATE</del>	<del>100% STATE</del>
I000	X020-2A

**CONSTRUCTION TYPE CODE:**

CODE NO	ITEM	UNIT	TOTAL QUANTITY		
70100100	TRAFFIC CONTROL AND PROTECTION, STANDARD 701316	EACH	1.0	0.0	1.0
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1.0	1.0	0.0
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1.0	1.0	0.0
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1.0	1.0	0.0
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	2.0	2.0	0.0
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1.0	0.0	1.0
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	5,186.0	5,186.0	0.0
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	865.0	865.0	0.0
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	58,338.0	58,338.0	0.0
X4401705	PARTIAL DEPTH REMOVAL	SQ YD	897.0	897.0	0.0
X4420091	CLASS D PATCHES, TYPE I, 9 1/2 INCH	SQ YD	230.0	230.0	0.0
X4420092	CLASS D PATCHES, TYPE II, 9 1/2 INCH	SQ YD	44.0	44.0	0.0
X4420093	CLASS D PATCHES, TYPE III, 9 1/2 INCH	SQ YD	114.0	114.0	0.0
X4420099	CLASS D PATCHES, TYPE IV, 9 1/2 INCH	SQ YD	134.0	134.0	0.0
X4421000	PARTIAL DEPTH PATCHING	TON	347.0	347.0	0.0
* X7200201	WIDTH RESTRICTION SIGNING	L SUM	1.0	0.0	1.0
Z0002800	BASE COURSE (OPTION)	SQ YD	153.0	153.0	0.0

\* SPECIALITY ITEM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: VERT. \_\_\_\_\_  
HORIZ. \_\_\_\_\_

DATE \_\_\_\_\_

DRAWN BY \_\_\_\_\_  
CHECKED BY \_\_\_\_\_

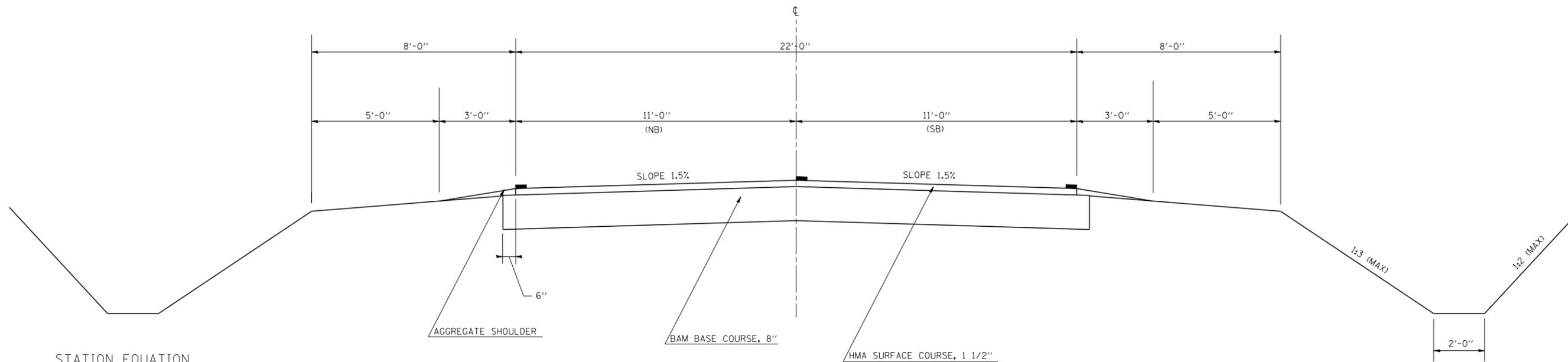
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 USER NAME \* mullerj

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
518	(380)RS	_CHAMPAIGN	38	6

CONTRACT NO. 70587

**EXISTING TYPICAL ① CROSS SECTION**

**STA 232+58.84 TO STA 100+32.20 ②**



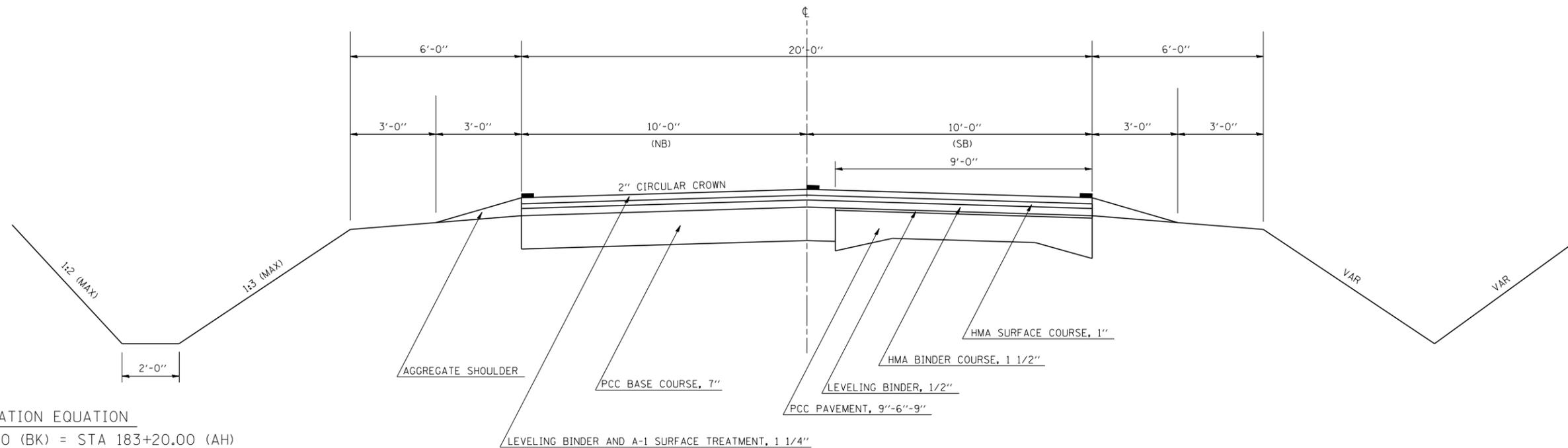
STATION EQUATION

STA 100+40.00 (BK) = STA 232+58.84 (AH)  
 STA 100+32.20 (BK) = STA 183+20.00 (AH)

**EXISTING TYPICAL ② CROSS SECTION**

**① STA 183+20.00 TO STA 218+00.00 ③**

**③ STA 248+47.11 TO STA 276+00.00 ③**



STATION EQUATION

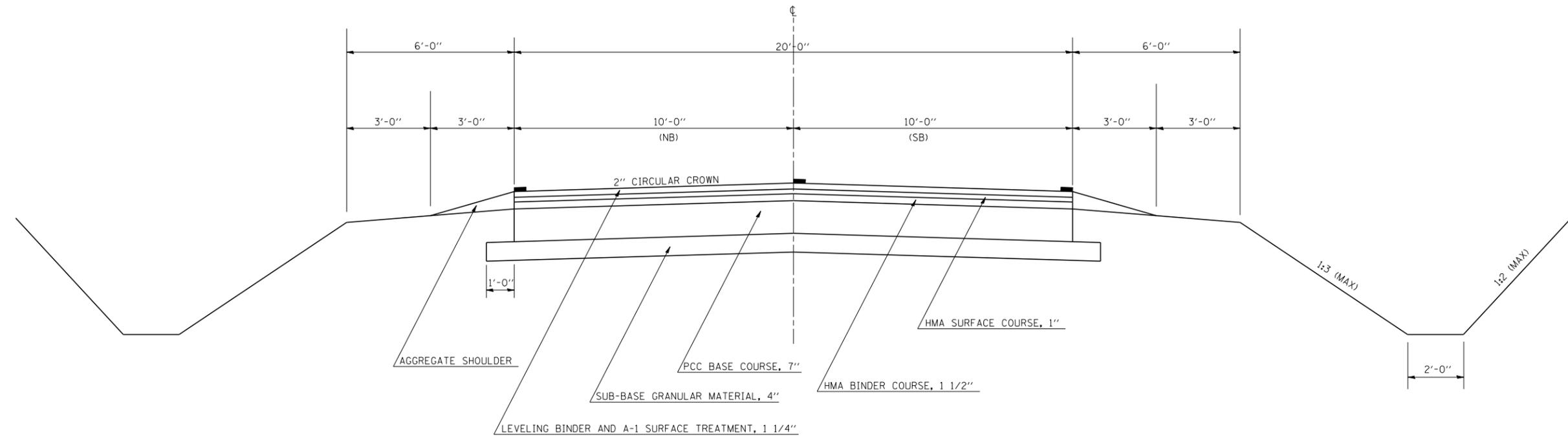
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518	(380)RS	_CHAMPAIGN	38	7

CONTRACT NO. 70587

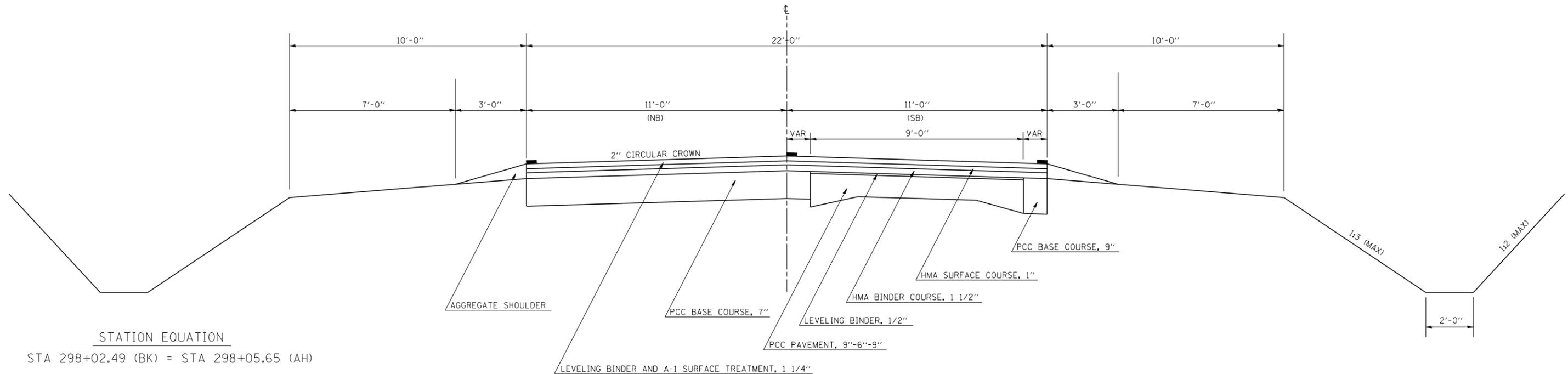
**EXISTING TYPICAL ③ CROSS SECTION**

- ② STA 218+00.00 TO STA 236+12.17 ⑦
- ⑦ STA 236+39.83 TO STA 248+47.11 ②
- ② STA 276+00.00 TO STA 290+86.00 ⑥



**EXISTING TYPICAL ④ CROSS SECTION**

- ⑥ STA 297+00.00 TO STA 298+02.49 ⑤



STATION EQUATION

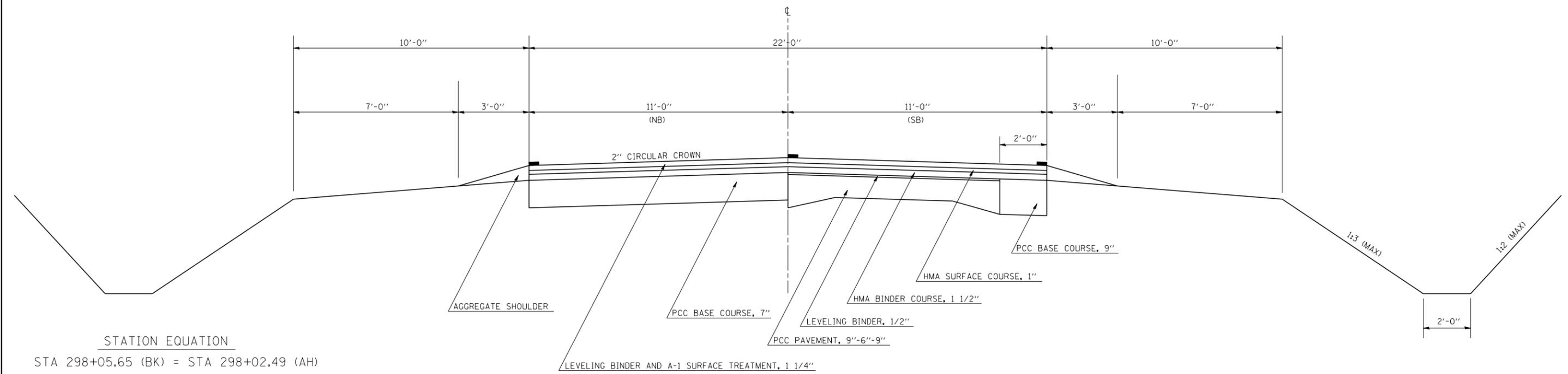
STA 298+02.49 (BK) = STA 298+05.65 (AH)

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
518	(380)RS	CHAMPAIGN	38	8

CONTRACT NO. 70587

**EXISTING TYPICAL 5 CROSS SECTION**

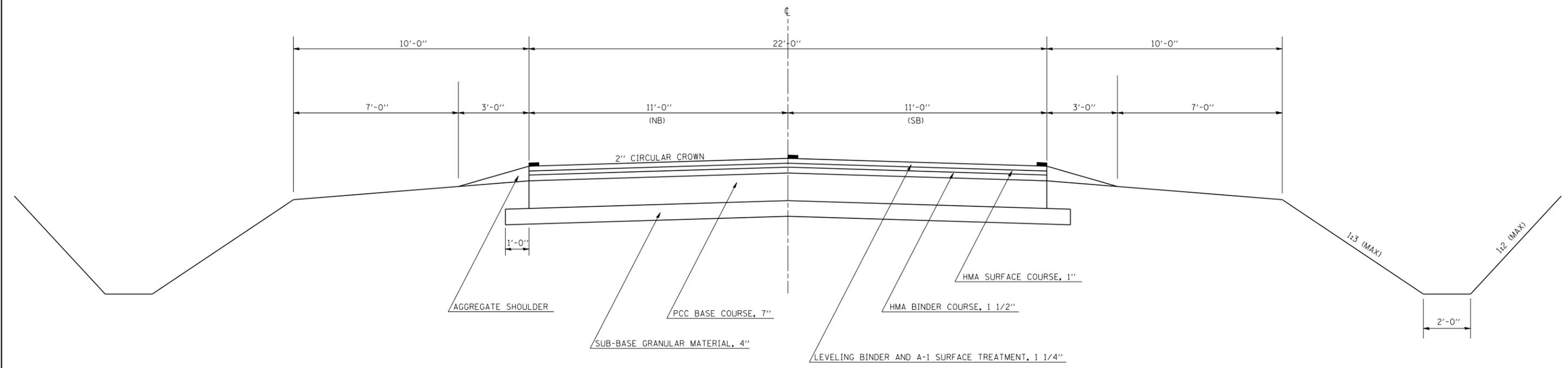
**4 STA 298+05.65 TO STA 303+50.00 6**



**EXISTING TYPICAL 6 CROSS SECTION**

**3 STA 290+86.00 TO STA 297+00.00 4**

**5 STA 303+50.00 TO STA 308+59.63**



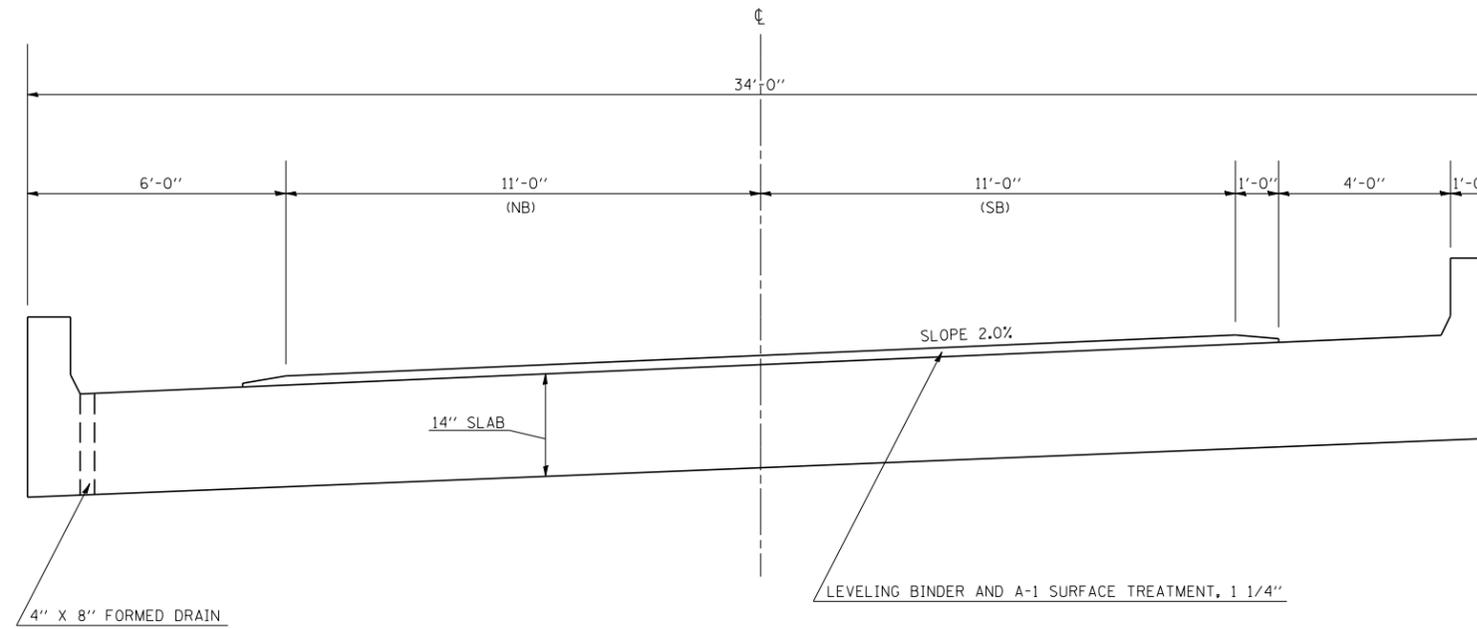
**EXISTING TYPICAL ⑦ CROSS SECTION**

**SN 010-0095**

**③ STA 236+12.17 TO STA 236+39.83 ③**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
518	(380)RS	CHAMPAIGN	38	9

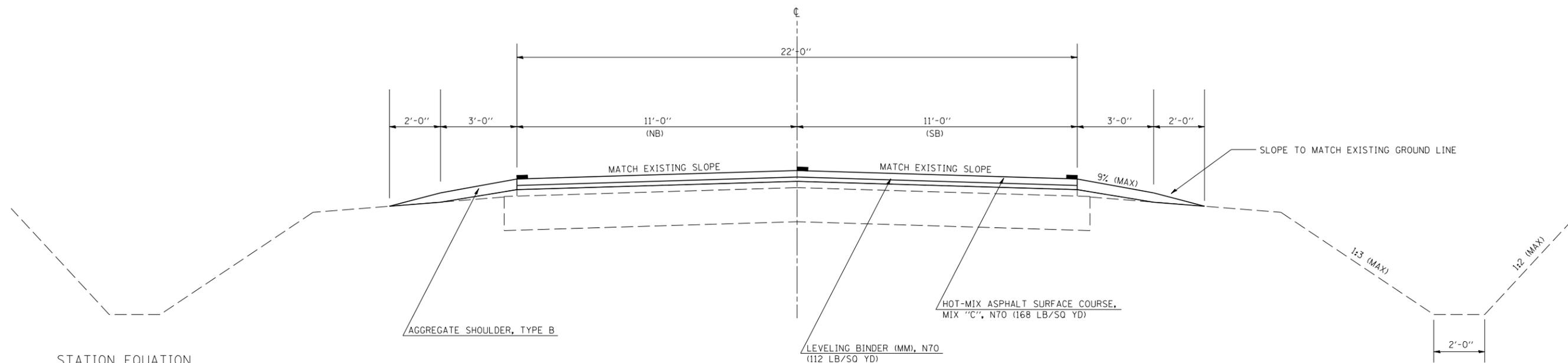
CONTRACT NO. 70587



F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
518	(380)RS	_CHAMPAIGN	38	10

CONTRACT NO. 70587

**PROPOSED TYPICAL ① CROSS SECTION**  
**STA 232+58.84 TO STA 100+32.20 ②**

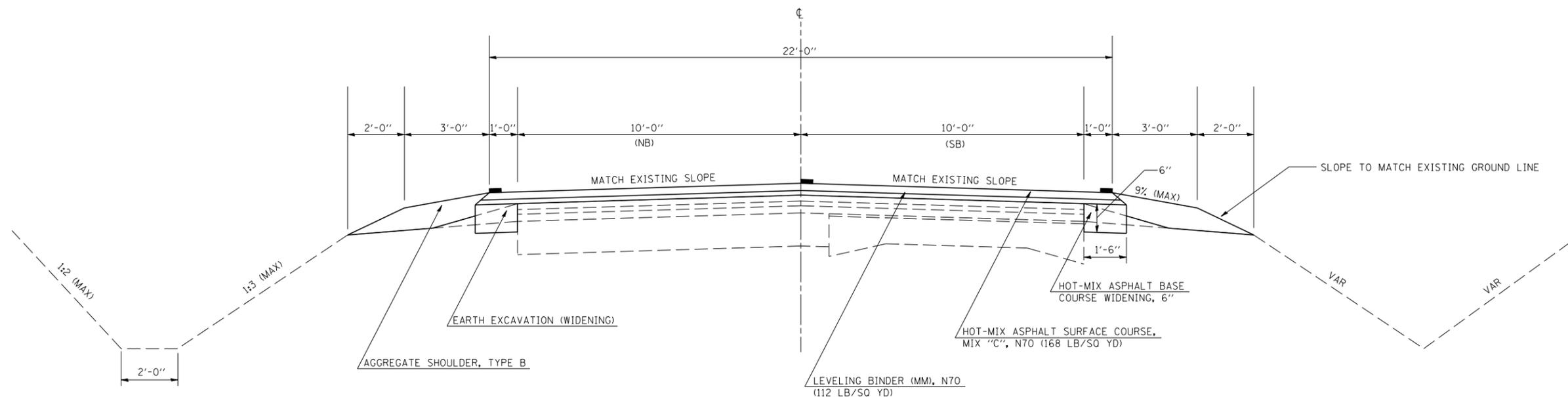


STATION EQUATION

STA 100+40.00 (BK) = STA 232+58.84 (AH)  
 STA 100+32.20 (BK) = STA 183+20.00 (AH)

**PROPOSED TYPICAL ② CROSS SECTION**

- ① **STA 183+20.00 TO STA 218+00.00** ③
- ③ **STA 248+47.11 TO STA 276+00.00** ③



STATION EQUATION

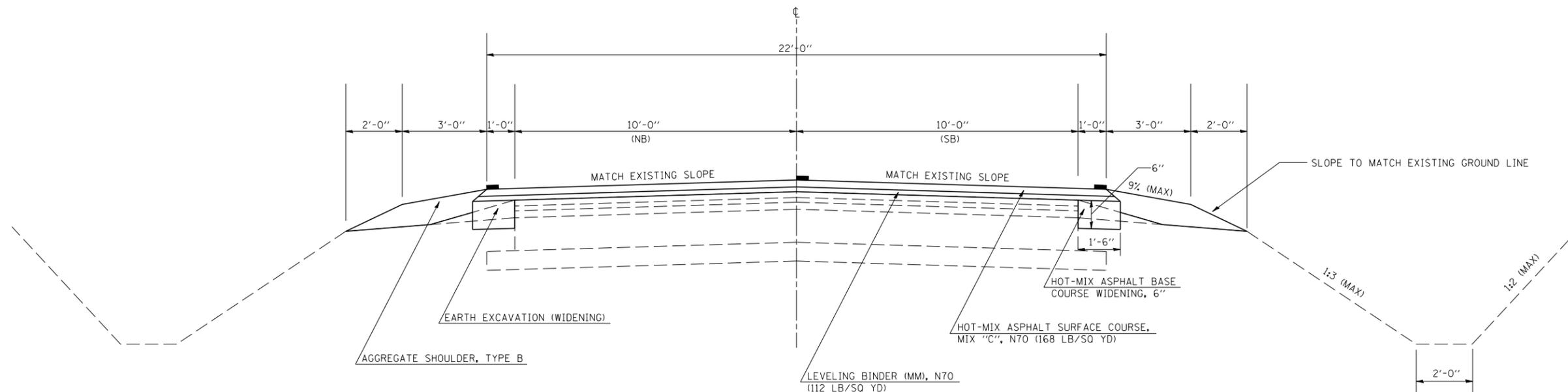
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
518	1380RS	CHAMPAIGN	38	11

CONTRACT NO. 70587

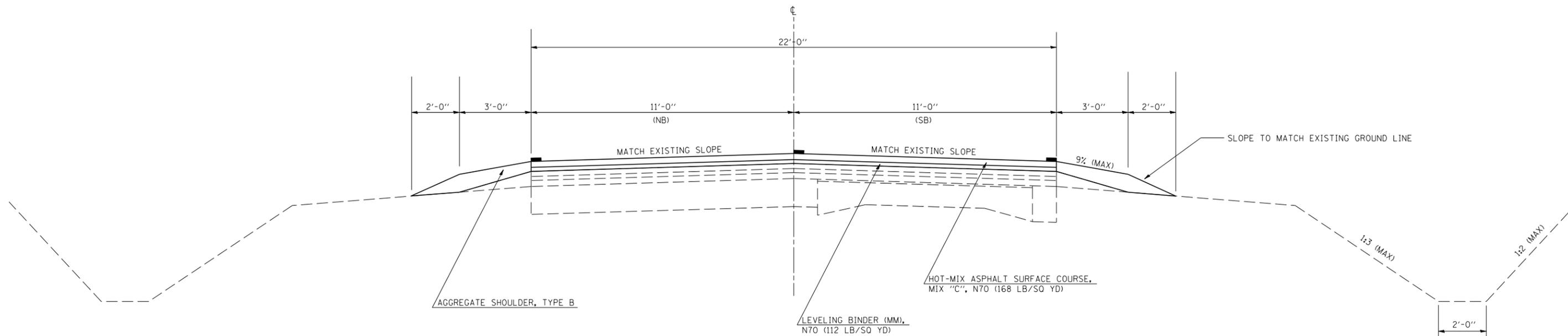
**PROPOSED TYPICAL ③ CROSS SECTION**

- ② STA 218+00.00 TO STA 236+12.17 ⑦
- ⑦ STA 236+39.83 TO STA 248+47.11 ②
- ② STA 276+00.00 TO STA 290+86.00 ⑥



**PROPOSED TYPICAL ④ CROSS SECTION**

- ⑥ STA 297+00.00 TO STA 298+02.49 ⑤



STATION EQUATION

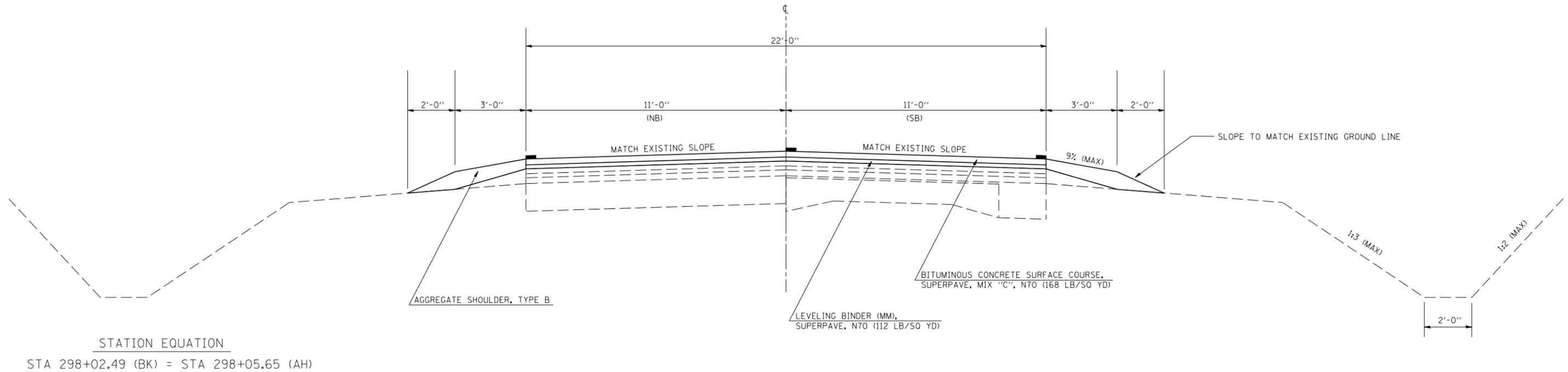
STA 298+05.65 (BK) = 298+02.49 (AH)

**PROPOSED TYPICAL 5 CROSS SECTION**

**4 STA 298+05.65 TO STA 303+50.00 6**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
518	(380)RS	_CHAMPAIGN	38	12

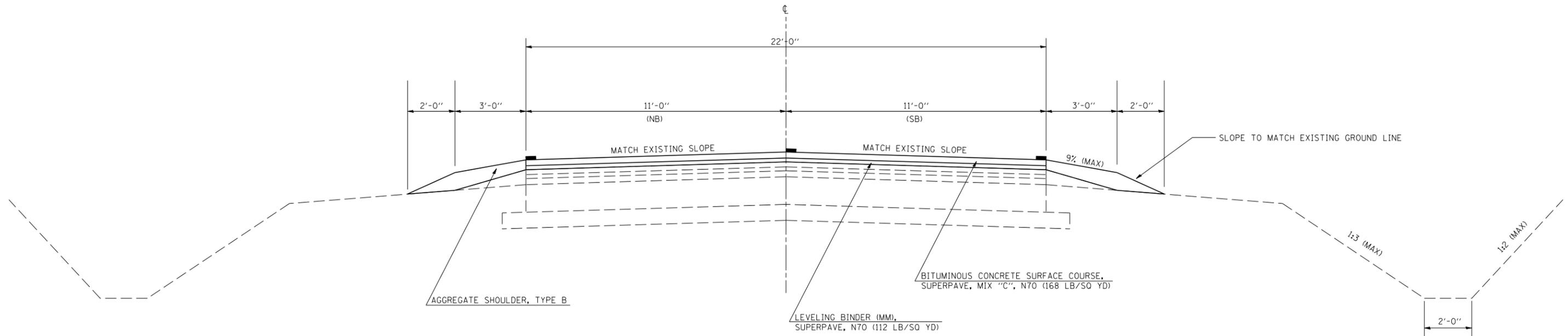
CONTRACT NO. 70587



**PROPOSED TYPICAL 6 CROSS SECTION**

**3 STA 290+86.00 TO STA 297+00.00 4**

**5 STA 303+50.00 TO STA 308+59.63**



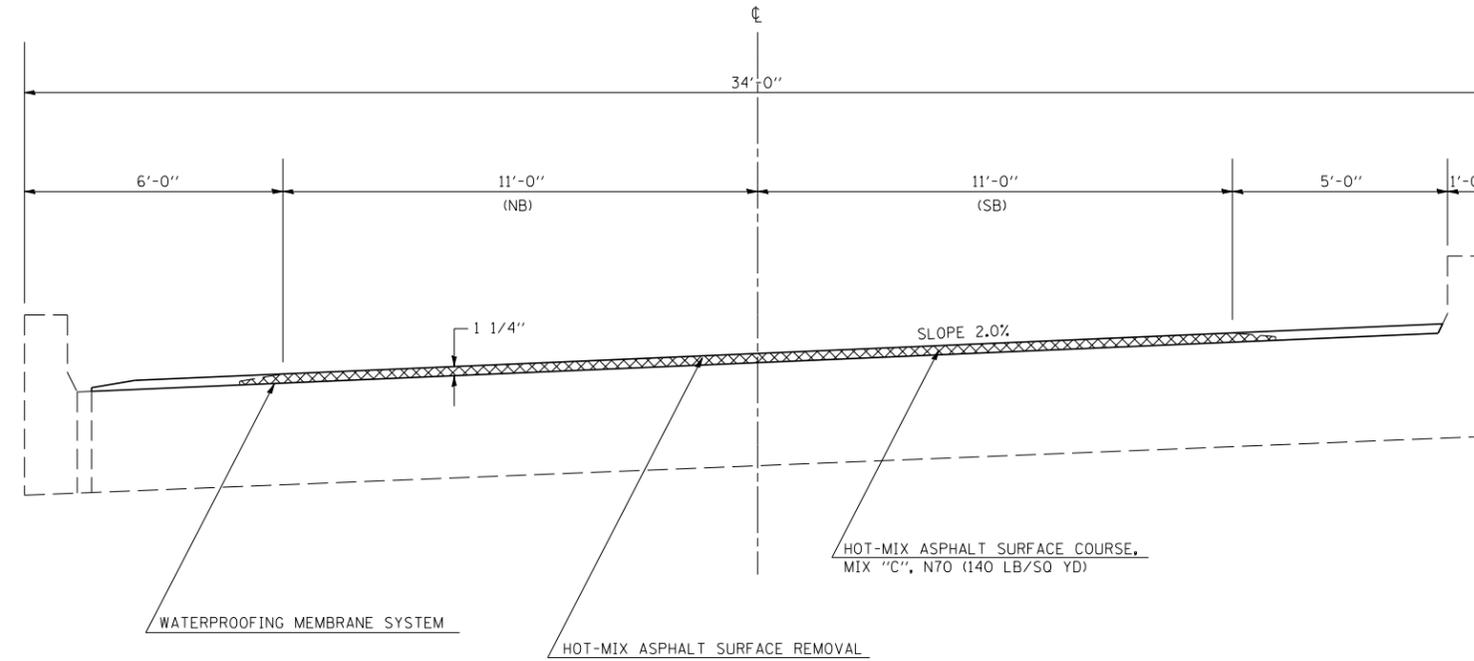
**PROPOSED TYPICAL ⑦ CROSS SECTION**

**SN 010-0095**

**③ STA 236+12.17 TO STA 236+39.83 ③**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
518	(380)RS	CHAMPAIGN	38	13

CONTRACT NO. 70587



# SCHEDULE OF QUANTITIES

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
518	380RS	CHAMPAIGN	38	14
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS	FED. AID PROJECT	

HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT - 40600980

STATION	TO	STATION	SQ YD
BEGIN OF SECTION			
101+40.00		100+40.00	244.4
SN 010-0095			
235+87.44		236+12.44	55.6
236+39.56		236+64.56	55.6
END OF SECTION			
308+94.53		309+24.53	73.3
SUB-TOTAL =			428.9
FINAL TOTAL =			429.0 SQ YD

TEMPORARY RAMP - 40600990

STATION	TO	STATION	SQ YD
BEGIN OF SECTION			
101+35.00		100+40.00	12.2
SN 010-0095			
236+08.24		236+12.44	9.3
236+39.56		236+43.76	9.3
END OF SECTION			
309+19.53		309+24.53	12.2
FINAL TOTAL =			43.0 SQ YD

HOT-MIX ASPHALT SURFACE REMOVAL - 44001005

STATION	TO	STATION	SQ YD
SN 010-0095			
236+12.17		236+39.83	73.8
SUB-TOTAL =			73.8
FINAL TOTAL =			74.0 SQ YD

WATERPROOFING MEMBRANE SYSTEM - 58100200

STATION	TO	STATION	SQ YD
SN 010-0095			
236+12.17		236+39.83	99.8
SUB-TOTAL =			99.8
FINAL-TOTAL =			100.0 SQ YD

SHORT TERM PAVEMENT MARKING - 70300100

STATION	TO	STATION	FEET
YELLOW			
101+40.00		309+24.53 (2 APPS)	5185.7
SUB-TOTAL =			5185.7
FINAL-TOTAL =			5186.0 FEET

WORK ZONE PAVEMENT MARKING-REMOVAL - 70301000

STATION	TO	STATION	SQ FT
101+40.00		309+24.53	864.3
SUB-TOTAL =			864.3
FINAL-TOTAL =			865.0 SQ FT

PAINT PAVEMENT MARKING LINE, 4" - 78001110

STATION	TO	STATION	FEET
WHITE			
101+40.00		309+24.53	51856.1
YELLOW			
101+40.00		309+24.53	6482.0
SUB-TOTAL =			58338.1
FINAL-TOTAL =			58338.0 FEET

BASE COURSE (OPTION) - Z0002900

STATION	TO	STATION	SQ YD
RT			
235+26.40		236+06.35	48.9
RT			
236+32.73		236+42.00	5.7
RT			
236+78.30		237+22.40	27.0
LT			
235+33.33		236+17.99	51.7
LT			
236+45.90		236+62.15	9.9
LT			
237+07.25		237+22.94	9.6
SUB-TOTAL =			152.8
FINAL-TOTAL =			153.0 SQ FT

PLOT DATE = 3/22/2007  
 FILE NAME = c:\projects\4598596 (v8)\test.dgn  
 PLOT SCALE = 42,352% / IN.  
 USER NAME = stults,jr

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SCHEDULE OF QUANTITIES

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_  
 DATE \_\_\_\_\_ DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

# SCHEDULE OF QUANTITIES

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
518	(380)RS	CHAMPAIGN	38	15
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		

STATION	TYPE	WIDTH BACK FT	WIDTH FRONT FT	RADII FT	COMMENTS	LENGTH FT	AREA SQ YD	HMA SURFACE REMOVAL (SPL) SQ YD 44000196	ADJ RESURFACE THICK IN	INCIDENTAL HMA SURFACE TON 40800050	BIT MATERIAL (PRIME COAT) GALLON 40800010	AGGREGATE (PRIME COAT) TON 40800030	AGG BASE COURSE, 6" SQ YD 35101800
STATION EQUATION STA 100+40.00 (BK) = STA 232+58.84 (AH)													
RT	232+18.84	SR	22	86	30	2150N ROYAL RD	RADII	116.25	116.3	2.5	13.0	8.72	0.17
LT	232+18.84	SR	23	148	30,70	2150N ROYAL RD	RADII	214.97	215.0	2.5	24.1	16.12	0.32
LT	230+59	CE	16	47	15		10	35.00	35.0	2.5	3.9	2.63	0.05
RT	228+08	MB	24	65			5	24.72		2.5	2.8	1.85	0.04
RT	227+37	PE	15	39			10	30.00	30.0	2.5	3.4	2.25	0.05
RT	226+50	PE	16	37			10	29.44	29.4	2.5	3.3	2.21	0.04
LT	205+61	SR	18	62	22	2100N	RADII	67.08	67.1	2.5	7.5	5.03	0.10
RT	205+58	SR	15	70	20	2100N	RADII	52.41	52.4	2.5	5.9	3.93	0.08
LT	186+47	PE	18	24		NEW	30	63.33		2.5	7.1	4.75	0.10
RT	186+34	MB	20	70		NEW	5	25.00		2.5	2.8	1.88	0.04
RT	181+47	PE	14	37			10	28.33	28.3	2.5	3.2	2.13	0.04
LT	179+23	SR	15	65	22	2050N	RADII	59.75	59.7	2.5	6.7	4.48	0.09
RT	179+23	SR	16	70	25	2050N	RADII	74.25	74.3	2.5	8.3	5.57	0.11
LT	174+14	PE	15	35			10	27.78	27.8	2.5	3.1	2.08	0.04
RT	174+14	MB	20	54			5	20.56		2.5	2.3	1.54	0.03
RT	152+80	SR	16	64	20	2000N	RADII	54.63	54.6	2.5	6.1	4.10	0.08
LT	152+78	SR	16	62	20	2000N	RADII	54.63	54.6	2.5	6.1	4.10	0.08
RT	148+77	MB	32	59			5	25.28		2.5	2.8	1.90	0.04
RT	147+81	PE	15	42			10	31.67	31.7	2.5	3.5	2.38	0.05
RT	118+19	PE	16	38			10	30.00	30.0	2.5	3.4	2.25	0.05
RT	116+94	PE	15	36			10	28.33	28.3	2.5	3.2	2.13	0.04
RT	115+76	PE	14	38	10		10	28.89	28.9	2.5	3.2	2.17	0.04
RT	115+44	MB	25	43			5	18.89		2.5	2.1	1.42	0.03
RT	101+94	CE	32	54	15		10	47.78	47.8	2.5	5.4	3.58	0.07
STATION EQUATION STA 100+32.20 (BK) = STA 183+20.00 (AH)													
LT	183+52	SR	18	60	22	1900N	RADII	67.08	67.1	2.5	7.5	5.03	0.10
RT	183+52	SR	18	66	26	1900N	RADII	84.24	84.2	2.5	9.4	6.32	0.13
LT	187+11	PE & MB	14	46	18	MB - 186+89	10	33.33	33.3	2.5	3.7	2.50	0.05
RT	218+30	PE	23	51	15		10	41.11		2.5	4.6	3.08	0.06
LT	219+50	MB	20	70		NEW	5	25.00		2.5	2.8	1.88	0.04
LT	221+72	MB	20	70		NEW	5	25.00		2.5	2.8	1.88	0.04
RT	221+68	PE	13	42	17		10	30.56	30.6	2.5	3.4	2.29	0.05
LT	229+77	PE & MB	11	30		MB - 229+59	10	22.78	22.8	2.5	2.6	1.71	0.03
LT	230+83	PE	14	47	21		10	33.89		2.5	3.8	2.54	0.05
LT	231+80	PE & MB	15	38	13	MB - 232+05	10	29.44		2.5	3.3	2.21	0.04
RT	236+62	SR	18	55	18	1800N	RADII	51.45	51.5	2.5	5.8	3.86	0.08
LT	236+76	SR	18	72	30	1800N	RADII	102.92	102.9	2.5	11.5	7.72	0.15
RT	237+82	PE	14	44	15		10	32.22	32.2	2.5	3.6	2.42	0.05
RT	290+37	SR	21	84	32	1700N	RADII	123.50	123.5	2.5	13.8	9.26	0.19
LT	290+47	SR	20	80	32	1700N	RADII	119.94	119.9	2.5	13.4	9.00	0.18
STATION EQUATION STA 298+02.49 (BK) = STA 298+05.65 (AH)													
LT	303+79	PE & MB	11	47	14	MB - 304+40	10	32.22		2.5	3.6	2.75	0.06
LT	308+49	PE & MB	14	30	15	MB - 308+73	10	24.44		2.5	2.7	1.83	0.04
TOTALS								1679.2		231.6	155.44	3.11	138.3
								SQ YD		TON	GALLON	TON	SQ YD
FINAL TOTALS								1680.0		232.0	156.0	3.0	139.0

PLOT DATE = 3/22/2007  
 FILE NAME = c:\projects\5858586 (v8)\ten.tdgn  
 PLOT SCALE = 42,352' / IN.  
 USER NAME = stults,jr

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_

DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
518	(380)RS	CHAMPAIGN	38	16
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS	FED. AID PROJECT	

# SCHEDULE OF QUANTITIES

## CLASS D PATCHING

STATION	DIRECTION	LANE	LENGTH (ft)	WIDTH (ft)	DEPTH (inch)	PATCH AREA			
						TYPE I 9.5'' (sq. yd)	TYPE II 9.5'' (sq. yd)	TYPE III 9.5'' (sq. yd)	TYPE IV 9.5'' (sq. yd)
230+67.00	NORTHBOUND	DL	30	6	9.5	0.0	0.0	20.0	0.0
227+92.00	NORTHBOUND	DL	50	6	9.5	0.0	0.0	0.0	33.3
224+68.00	NORTHBOUND	DL	50	6	9.5	0.0	0.0	0.0	33.3
218+05.00	SOUTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
218+05.00	NORTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
206+35.00	SOUTHBOUND	DL	50	6	9.5	0.0	0.0	0.0	33.3
189+51.00	SOUTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
189+51.00	NORTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
173+18.00	SOUTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
173+18.00	NORTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
167+22.00	NORTHBOUND	DL	25	6	9.5	0.0	0.0	16.7	0.0
166+83.00	SOUTHBOUND	DL	15	6	9.5	0.0	10.0	0.0	0.0
166+25.00	SOUTHBOUND	DL	5	11	9.5	0.0	6.1	0.0	0.0
159+01.00	SOUTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
159+01.00	NORTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
140+54.00	NORTHBOUND	DL	50	6	9.5	0.0	0.0	0.0	33.3
137+93.00	SOUTHBOUND	DL	12	11	9.5	0.0	14.7	0.0	0.0
137+93.00	NORTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
137+60.00	SOUTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
135+03.00	SOUTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
135+03.00	NORTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
129+65.00	SOUTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
129+65.00	NORTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
129+39.00	SOUTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
129+39.00	NORTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
126+30.00	SOUTHBOUND	DL	30	6	9.5	0.0	0.0	20.0	0.0
126+01.00	NORTHBOUND	DL	30	6	9.5	0.0	0.0	20.0	0.0
123+98.00	SOUTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
122+40.00	NORTHBOUND	DL	20	6	9.5	0.0	13.3	0.0	0.0
122+10.00	SOUTHBOUND	DL	30	6	9.5	0.0	0.0	20.0	0.0
SUB TOTALS						83.1 (sq. yd)	44.1 (sq. yd)	96.7 (sq. yd)	133.3 (sq. yd)

PLOT DATE = 3/22/2007  
 FILE NAME = c:\projects\4598586 (v8)\ten.tdgn  
 PLOT SCALE = 42.3525' / IN.  
 USER NAME = stults,j

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

### SCHEDULE OF QUANTITIES

SCALE: VERT.  
 HORIZ.  
 DATE

DRAWN BY  
 CHECKED BY

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
518	(380)RS	CHAMPAIGN	38	17
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS	FED. AID PROJECT	

# SCHEDULE OF QUANTITIES

## CLASS D PATCHING

STATION	DIRECTION	LANE	LENGTH	WIDTH	DEPTH	PATCH AREA			
						TYPE I 9.5'' (sq. yd)	TYPE II 9.5'' (sq. yd)	TYPE III 9.5'' (sq. yd)	TYPE IV 9.5'' (sq. yd)
121+28.00	NORTHBOUND	DL	25	6	9.5	0.0	0.0	16.7	0.0
119+88.00	SOUTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
119+88.00	NORTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
119+64.00	SOUTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
119+64.00	NORTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
119+35.00	SOUTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
119+35.00	NORTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
118+55.00	SOUTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
118+55.00	NORTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
117+80.00	SOUTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
117+80.00	NORTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
116+07.00	SOUTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
116+07.00	NORTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
111+18.00	SOUTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
111+18.00	NORTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
110+35.00	SOUTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
110+35.00	NORTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
109+88.00	SOUTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
109+88.00	NORTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
108+45.00	SOUTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
108+45.00	NORTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
107+15.00	SOUTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
107+15.00	NORTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
105+88.00	SOUTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
105+88.00	NORTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
105+27.00	SOUTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
104+46.00	SOUTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
102+94.00	SOUTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
102+94.00	NORTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
100+32.00	SOUTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
100+32.00	NORTHBOUND	DL	4	11	9.5	4.9	0.0	0.0	0.0
SUB TOTALS						146.7	0.0	16.7	0.0
						(sq. yd)	(sq. yd)	(sq. yd)	(sq. yd)
TOTALS						229.8	44.1	113.3	133.3
						(sq. yd)	(sq. yd)	(sq. yd)	(sq. yd)
FINAL TOTALS						230.0	44.0	114.0	134.0
						(sq. yd)	(sq. yd)	(sq. yd)	(sq. yd)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: VERT. \_\_\_\_\_  
HORIZ. \_\_\_\_\_

DRAWN BY \_\_\_\_\_  
CHECKED BY \_\_\_\_\_

PLOT DATE = 3/22/2007  
FILE NAME = c:\projects\4598506 (v8)\ten.tdgn  
PLOT SCALE = 42,352' / IN.  
USER NAME = stults,j

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
518	(380)RS	CHAMPAIGN	38	18
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS	FED. AID PROJECT	

# SCHEDULE OF QUANTITIES

## PARTIAL DEPTH PATCHING

STATION	DIRECTION	LANE	LENGTH (ft)	WIDTH (ft)	EXISTING OVERLAY THICKNESS (4 3/4" or less) (Inch)	PARTIAL DEPTH REMOVAL X4401705 (sq. yd)	PARTIAL DEPTH PATCHING X4421000 (tons)
183+88.00	NORTHBOUND	DL	4	10	3.75	4.4	1.7
184+22.00	SOUTHBOUND	DL	4	10	4.25	4.4	1.8
184+22.00	NORTHBOUND	DL	4	10	3.75	4.4	1.7
184+90.00	NORTHBOUND	DL	4	10	3.75	4.4	1.7
184+91.00	SOUTHBOUND	DL	4	10	4.25	4.4	1.8
185+51.00	SOUTHBOUND	DL	20	10	4.25	22.2	9.0
185+51.00	NORTHBOUND	DL	4	10	3.75	4.4	1.7
186+18.00	SOUTHBOUND	DL	4	10	4.25	4.4	1.8
186+18.00	NORTHBOUND	DL	6	10	3.75	6.7	2.5
186+93.00	SOUTHBOUND	DL	4	10	4.25	4.4	1.8
186+93.00	NORTHBOUND	DL	4	10	3.75	4.4	1.7
189+59.00	SOUTHBOUND	DL	4	10	4.25	4.4	1.8
190+03.00	SOUTHBOUND	DL	10	10	4.25	11.1	4.5
191+01.00	SOUTHBOUND	DL	8	10	4.25	8.9	3.6
191+31.00	SOUTHBOUND	DL	6	6	4.25	4.0	1.6
191+60.00	SOUTHBOUND	DL	15	10	4.25	16.7	6.8
192+11.00	SOUTHBOUND	DL	10	6	4.25	6.7	2.7
194+87.00	SOUTHBOUND	DL	4	10	4.25	4.4	1.8
197+56.00	SOUTHBOUND	DL	8	10	4.25	8.9	3.6
200+83.00	SOUTHBOUND	DL	10	10	4.25	11.1	4.5
202+71.00	SOUTHBOUND	DL	4	10	4.25	4.4	1.8
202+71.00	NORTHBOUND	DL	4	10	3.75	4.4	1.7
203+48.00	SOUTHBOUND	DL	8	10	4.25	8.9	3.6
203+93.00	NORTHBOUND	DL	4	10	3.75	4.4	1.7
204+35.00	SOUTHBOUND	DL	4	10	4.25	4.4	1.8
209+28.00	SOUTHBOUND	DL	4	10	4.25	4.4	1.8
212+96.00	SOUTHBOUND	DL	6	10	4.25	6.7	2.7
217+94.00	SOUTHBOUND	DL	8	10	4.25	8.9	3.6
229+64.00	SOUTHBOUND	DL	4	10	3.75	4.4	1.7
229+64.00	NORTHBOUND	DL	4	10	3.75	4.4	1.7
SUB TOTALS						200.7 (sq. yd)	80.2 (Tons)

PLOT DATE : 3/22/2007  
 FILE NAME : c:\projects\4598586 (v8)\ten.tdgn  
 PLOT SCALE : 42.3525' / IN.  
 USER NAME : stults,jr

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_

DATE \_\_\_\_\_ DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
518	(380)RS	CHAMPAIGN	38	19
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS	FED. AID PROJECT	

# SCHEDULE OF QUANTITIES

## PARTIAL DEPTH PATCHING

STATION	DIRECTION	LANE	LENGTH (ft)	WIDTH (ft)	EXISTING OVERLAY THICKNESS (4 3/4" or less) (Inch)	PARTIAL DEPTH REMOVAL X4401705 (sq. yd)	PARTIAL DEPTH PATCHING X4421000 (tons)
230+19.00	SOUTHBOUND	DL	4	10	3.75	4.4	1.7
230+19.00	NORTHBOUND	DL	4	10	3.75	4.4	1.7
230+88.00	SOUTHBOUND	DL	4	10	3.75	4.4	1.7
230+88.00	NORTHBOUND	DL	4	10	3.75	4.4	1.7
230+99.00	SOUTHBOUND	DL	4	10	3.75	4.4	1.7
230+99.00	NORTHBOUND	DL	4	10	3.75	4.4	1.7
232+08.00	SOUTHBOUND	DL	4	10	3.75	4.4	1.7
232+08.00	NORTHBOUND	DL	4	10	3.75	4.4	1.7
233+15.00	SOUTHBOUND	DL	4	10	3.75	4.4	1.7
233+15.00	NORTHBOUND	DL	4	10	3.75	4.4	1.7
234+33.00	SOUTHBOUND	DL	4	10	3.75	4.4	1.7
234+33.00	NORTHBOUND	DL	4	10	3.75	4.4	1.7
235+11.00	SOUTHBOUND	DL	4	10	3.75	4.4	1.7
235+11.00	NORTHBOUND	DL	4	10	3.75	4.4	1.7
235+81.00	SOUTHBOUND	DL	4	10	3.75	4.4	1.7
235+81.00	NORTHBOUND	DL	4	10	3.75	4.4	1.7
235+97.00	SOUTHBOUND	DL	4	10	3.75	4.4	1.7
235+97.00	NORTHBOUND	DL	4	10	3.75	4.4	1.7
236+89.00	SOUTHBOUND	DL	25	10	3.75	27.8	10.5
236+89.00	NORTHBOUND	DL	25	10	3.75	27.8	10.5
237+07.00	SOUTHBOUND	DL	4	10	3.75	4.4	1.7
237+07.00	NORTHBOUND	DL	4	10	3.75	4.4	1.7
238+26.00	SOUTHBOUND	DL	4	10	3.75	4.4	1.7
238+26.00	NORTHBOUND	DL	4	10	3.75	4.4	1.7
242+85.00	SOUTHBOUND	DL	4	10	3.75	4.4	1.7
242+85.00	NORTHBOUND	DL	4	10	3.75	4.4	1.7
243+61.00	SOUTHBOUND	DL	4	10	3.75	4.4	1.7
243+61.00	NORTHBOUND	DL	4	10	3.75	4.4	1.7
244+65.00	SOUTHBOUND	DL	8	10	3.75	8.9	3.4
244+65.00	NORTHBOUND	DL	8	10	3.75	8.9	3.4
SUB TOTALS						188.9 (sq. yd)	71.4 (tons)

PLOT DATE : 3/22/2007  
 FILE NAME : c:\projects\4598586 (v8)\test.dgn  
 PLOT SCALE : 42,352' / IN.  
 USER NAME : stults,j

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_

DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
518	(380)RS	CHAMPAIGN	38	20
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS	FED. AID PROJECT	

# SCHEDULE OF QUANTITIES

## PARTIAL DEPTH PATCHING

STATION	DIRECTION	LANE	LENGTH (ft)	WIDTH (ft)	EXISTING OVERLAY THICKNESS (4 3/4" or less) (Inch)	PARTIAL DEPTH REMOVAL X4401705 (sq. yd)	PARTIAL DEPTH PATCHING X4421000 (tons)
245+78.00	SOUTHBOUND	DL	4	10	3.75	4.4	1.7
245+78.00	NORTHBOUND	DL	4	10	3.75	4.4	1.7
247+05.00	SOUTHBOUND	DL	4	10	3.75	4.4	1.7
247+05.00	NORTHBOUND	DL	4	10	3.75	4.4	1.7
247+96.00	SOUTHBOUND	DL	4	10	3.75	4.4	1.7
247+96.00	NORTHBOUND	DL	4	10	3.75	4.4	1.7
248+67.00	SOUTHBOUND	DL	4	10	4.25	4.4	1.8
248+67.00	NORTHBOUND	DL	4	10	3.75	4.4	1.7
248+85.00	SOUTHBOUND	DL	4	10	4.25	4.4	1.8
248+85.00	NORTHBOUND	DL	4	10	3.75	4.4	1.7
249+04.00	SOUTHBOUND	DL	4	10	4.25	4.4	1.8
249+04.00	NORTHBOUND	DL	4	10	3.75	4.4	1.7
349+53.00	NORTHBOUND	DL	12	6	3.75	8.0	3.0
252+49.00	SOUTHBOUND	DL	4	10	4.25	4.4	1.8
252+91.00	NORTHBOUND	DL	4	10	3.75	4.4	1.7
253+61.00	NORTHBOUND	DL	15	10	3.75	16.7	6.3
254+56.00	NORTHBOUND	DL	4	10	3.75	4.4	1.7
254+81.00	NORTHBOUND	DL	4	10	3.75	4.4	1.7
257+28.00	SOUTHBOUND	DL	8	10	4.25	8.9	3.6
261+46.00	SOUTHBOUND	DL	4	10	4.25	4.4	1.8
262+67.00	NORTHBOUND	DL	4	10	3.75	4.4	1.7
263+11.00	NORTHBOUND	DL	20	6	3.75	13.3	5.0
264+02.00	SOUTHBOUND	DL	8	10	4.25	8.9	3.6
264+02.00	NORTHBOUND	DL	8	10	3.75	8.9	3.4
265+25.00	NORTHBOUND	DL	6	10	3.75	6.7	2.5
266+89.00	SOUTHBOUND	DL	6	10	4.25	6.7	2.7
268+22.00	SOUTHBOUND	DL	12	10	3.75	13.3	5.0
271+74.00	SOUTHBOUND	DL	10	10	4.25	11.1	4.5
271+74.00	NORTHBOUND	DL	4	10	3.75	4.4	1.7
272+15.00	SOUTHBOUND	DL	15	6	4.25	10.0	4.1
SUB TOTALS						196.9 (sq. yd)	76.3 (tons)

PLOT DATE = 3/22/2007  
 FILE NAME = c:\projects\4598586 (v8)\ten.tdgn  
 PLOT SCALE = 42.3525' / IN.  
 USER NAME = stults,j

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_

DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
518	(380)RS	CHAMPAIGN	38	21
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS	FED. AID PROJECT	

# SCHEDULE OF QUANTITIES

## PARTIAL DEPTH PATCHING

STATION	DIRECTION	LANE	LENGTH (ft)	WIDTH (ft)	EXISTING OVERLAY THICKNESS (4 3/4" or less) (inch)	PARTIAL DEPTH REMOVAL X4401705 (sq. yd)	PARTIAL DEPTH PATCHING X4421000 (tons)
274+08.00	SOUTHBOUND	DL	5	10	4.25	5.6	2.3
275+13.00	SOUTHBOUND	DL	6	10	4.25	6.7	2.7
276+11.00	SOUTHBOUND	DL	4	10	3.75	4.4	1.7
276+11.00	NORTHBOUND	DL	4	10	3.75	4.4	1.7
282+13.00	SOUTHBOUND	DL	4	10	3.75	4.4	1.7
282+13.00	NORTHBOUND	DL	4	10	3.75	4.4	1.7
282+52.00	NORTHBOUND	DL	4	10	3.75	4.4	1.7
283+00.00	SOUTHBOUND	DL	4	10	3.75	4.4	1.7
283+00.00	NORTHBOUND	DL	4	10	3.75	4.4	1.7
283+68.00	SOUTHBOUND	DL	12	10	3.75	13.3	5.0
283+68.00	NORTHBOUND	DL	12	10	3.75	13.3	5.0
284+82.00	SOUTHBOUND	DL	4	10	3.75	4.4	1.7
284+82.00	NORTHBOUND	DL	4	10	3.75	4.4	1.7
287+99.00	SOUTHBOUND	DL	4	10	3.75	4.4	1.7
287+99.00	NORTHBOUND	DL	4	10	3.75	4.4	1.7
292+40.00	SOUTHBOUND	DL	4	11	3.75	4.9	1.8
292+40.00	NORTHBOUND	DL	4	11	3.75	4.9	1.8
293+23.00	SOUTHBOUND	DL	6	11	3.75	7.3	2.8
293+23.00	NORTHBOUND	DL	6	11	3.75	7.3	2.8
293+56.00	SOUTHBOUND	DL	4	11	3.75	4.9	1.8
293+56.00	NORTHBOUND	DL	4	11	3.75	4.9	1.8
293+68.00	SOUTHBOUND	DL	4	11	3.75	4.9	1.8
293+68.00	NORTHBOUND	DL	4	11	3.75	4.9	1.8
293+84.00	SOUTHBOUND	DL	4	11	3.75	4.9	1.8
293+84.00	NORTHBOUND	DL	4	11	3.75	4.9	1.8
294+26.00	SOUTHBOUND	DL	4	11	3.75	4.9	1.8
294+26.00	NORTHBOUND	DL	4	11	3.75	4.9	1.8
294+90.00	CENTERLINE	DL	10	4	3.75	4.4	1.7
295+03.00	SOUTHBOUND	DL	4	11	3.75	4.9	1.8
295+03.00	NORTHBOUND	DL	4	11	3.75	4.9	1.8
SUB TOTALS						165.6 (sq. yd)	62.9 (tons)

PLOT DATE : 3/22/2007  
 FILE NAME : c:\projects\4598586 (v8)\ten.tdgn  
 PLOT SCALE : 42,352' / IN.  
 USER NAME : stults,j

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

### SCHEDULE OF QUANTITIES

SCALE: VERT.  
 HORIZ.  
 DATE

DRAWN BY  
 CHECKED BY

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
518	(380)RS	CHAMPAIGN	38	22
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS	FED. AID PROJECT	

# SCHEDULE OF QUANTITIES

## PARTIAL DEPTH PATCHING

STATION	DIRECTION	LANE	LENGTH (ft)	WIDTH (ft)	EXISTING OVERLAY THICKNESS (4 3/4" or less) (Inch)	PARTIAL DEPTH REMOVAL X4401705 (sq. yd)	PARTIAL DEPTH PATCHING X4421000 (tons)
296+12.00	SOUTHBOUND	DL	4	11	3.75	4.9	1.8
296+12.00	NORTHBOUND	DL	4	11	3.75	4.9	1.8
297+36.00	SOUTHBOUND	DL	4	11	4.25	4.9	2.0
297+36.00	NORTHBOUND	DL	4	11	3.75	4.9	1.8
298+34.00	SOUTHBOUND	DL	10	11	4.25	12.2	5.0
298+34.00	NORTHBOUND	DL	10	11	3.75	12.2	4.6
299+21.00	NORTHBOUND	DL	4	11	3.75	4.9	1.8
300+15.00	SOUTHBOUND	DL	12	11	4.25	14.7	6.0
300+15.00	NORTHBOUND	DL	4	11	3.75	4.9	1.8
302+05.00	SOUTHBOUND	DL	4	11	4.25	4.9	2.0
302+49.00	SOUTHBOUND	DL	4	11	4.25	4.9	2.0
302+49.00	NORTHBOUND	DL	4	11	3.75	4.9	1.8
302+87.00	SOUTHBOUND	DL	4	11	4.25	4.9	2.0
303+76.00	SOUTHBOUND	DL	4	11	3.75	4.9	1.8
303+76.00	NORTHBOUND	DL	4	11	3.75	4.9	1.8
304+20.00	SOUTHBOUND	DL	6	11	3.75	7.3	2.8
304+86.00	SOUTHBOUND	DL	4	11	3.75	4.9	1.8
305+60.00	SOUTHBOUND	DL	6	11	3.75	7.3	2.8
305+60.00	NORTHBOUND	DL	6	11	3.75	7.3	2.8
307+22.00	SOUTHBOUND	DL	4	11	3.75	4.9	1.8
307+22.00	NORTHBOUND	DL	4	11	3.75	4.9	1.8
307+95.00	SOUTHBOUND	DL	4	11	3.75	4.9	1.8
307+95.00	NORTHBOUND	DL	4	11	3.75	4.9	1.8
SUB TOTALS						144.2 (sq. yd)	55.8 (tons)
TOTALS						896.2 (sq. yd)	346.6 (tons)
FINAL TOTALS						897.0 (sq. yd)	347.0 (tons)

PLOT DATE = 3/22/2007  
 FILE NAME = c:\projects\4598586 (v8)\test.dgn  
 PLOT SCALE = 42,352" / IN.  
 USER NAME = stults,j

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

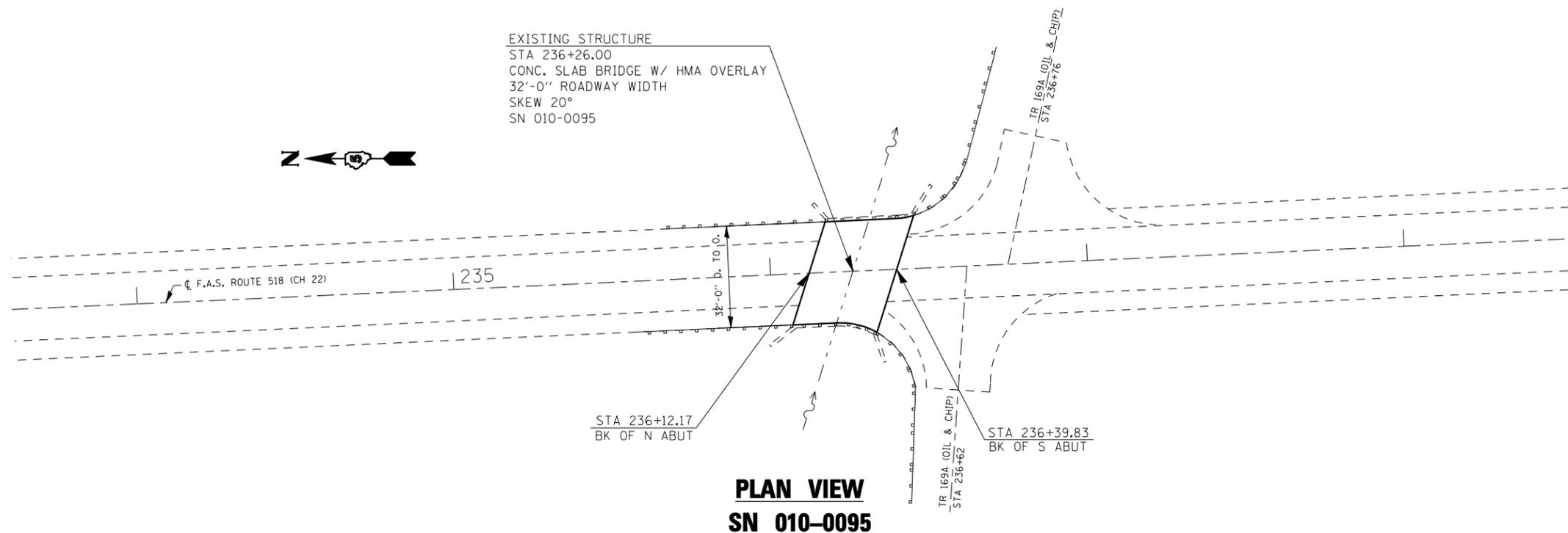
SCHEDULE OF QUANTITIES

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_

DATE \_\_\_\_\_ DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
518	(380)RS	CHAMPAIGN	38	23

CONTRACT NO. 70587



**GENERAL NOTES**

PLAN DIMENSIONS AND DETAIL RELATIVE TO THE STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND MAKE THE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE CONTRACT UNIT PRICE FOR THE WORK.

**BILL OF MATERIALS**

ITEM	UNIT	QUANTITY
HOT-MIX ASPHALT SURFACE REMOVAL	SQ YD	74.0
WATERPROOFING MEMBRANE SYSTEM	SQ YD	100.0
TRAFFIC CONTROL & PROTECTION, STANDARD 701316	SQ YD	1.0
TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1.0
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	7.0

ILLINOIS DEPARTMENT OF TRANSPORTATION

SN 010-0095  
 PLAN VIEW  
 SHEET 1 OF 4

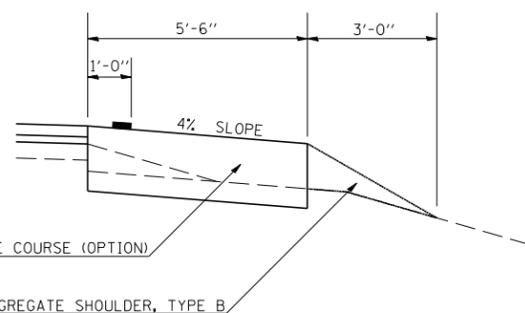
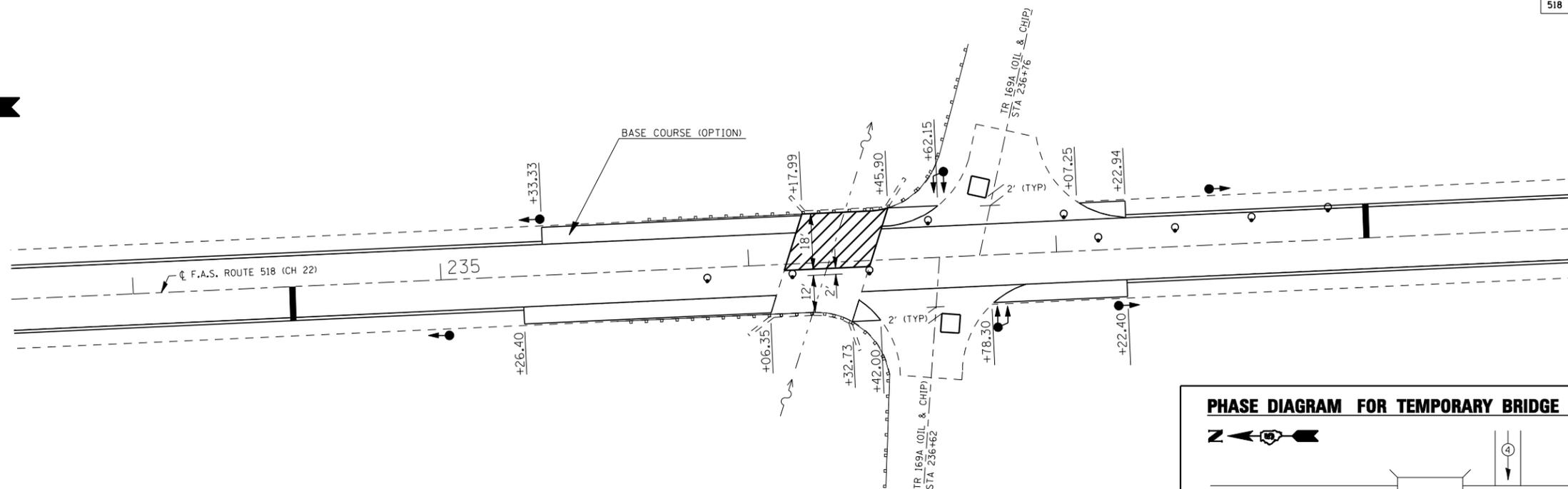
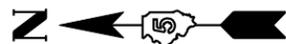
SCALE: VERT.  
 HORIZ.  
 DATE

DRAWN BY  
 CHECKED BY



F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
518	(380)RS	CHAMPAIGN	38	25

CONTRACT NO. 70587



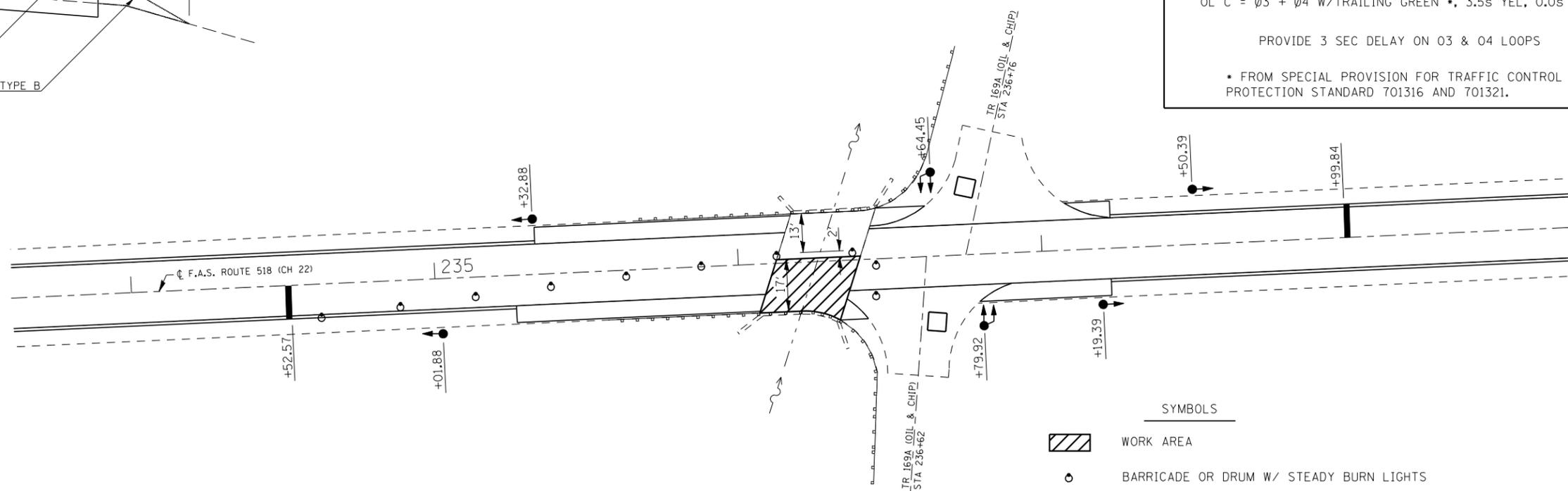
**STAGE I CONSTRUCTION  
SN 010-0095**

**PHASE DIAGRAM FOR TEMPORARY BRIDGE SIGNALS**

OL A = Ø1 W/TRAILING GREEN \*, 3.5s YEL, 0.0s RED  
 OL B = Ø2 W/TRAILING GREEN \*, 3.5s YEL, 0.0s RED  
 OL C = Ø3 + Ø4 W/TRAILING GREEN \*, 3.5s YEL, 0.0s RED

PROVIDE 3 SEC DELAY ON Ø3 & Ø4 LOOPS

\* FROM SPECIAL PROVISION FOR TRAFFIC CONTROL & PROTECTION STANDARD 701316 AND 701321.



NOTE:  
TRAFFIC DETAILS NOT SHOWN ARE TO CONFORM WITH STANDARD 701316.

**STAGE II CONSTRUCTION  
SN 010-0095**

- SYMBOLS
- WORK AREA
  - BARRICADE OR DRUM W/ STEADY BURN LIGHTS
  - TRAFFIC SIGNAL
  - 24" STOP BAR
  - DETECTOR LOOP

ILLINOIS DEPARTMENT OF TRANSPORTATION

SN 010-0095  
 TRAFFIC CONTROL PLAN  
 FOR STAGE CONSTRUCTION  
 SHEET 3 OF 4

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_  
 DATE \_\_\_\_\_ DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
518	(380)RS	CHAMPAIGN	38	26

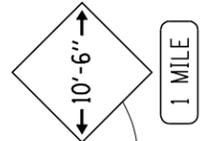
CONTRACT NO.



F.A.P. ROUTE 709 (US 136)

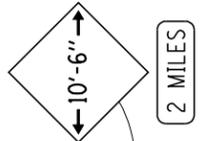
F.A.S. ROUTE 518 (CH 22)

ERECT 100'± NORTH OF I-74 WB OFF-RAMP

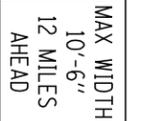
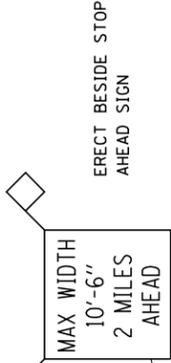


F.A.I. ROUTE 74 (I 74) WESTBOUND OFF-RAMP

ERECT BESIDE SPEED LIMIT 35 SIGN



F.A.S. ROUTE 1512 (US 150/IL 49)



ERECT 150'± SOUTH OF US 136

F.A.I. ROUTE 74 (I 74) WESTBOUND ON-RAMP

NOTE: UNDER THE "ONE LANE ROAD AHEAD" SIGNS AT THE STAGE CONTRUCTION SET-UP STANDARD 701316, ADD



36" x 12" ORANGE

ILLINOIS DEPARTMENT OF TRANSPORTATION

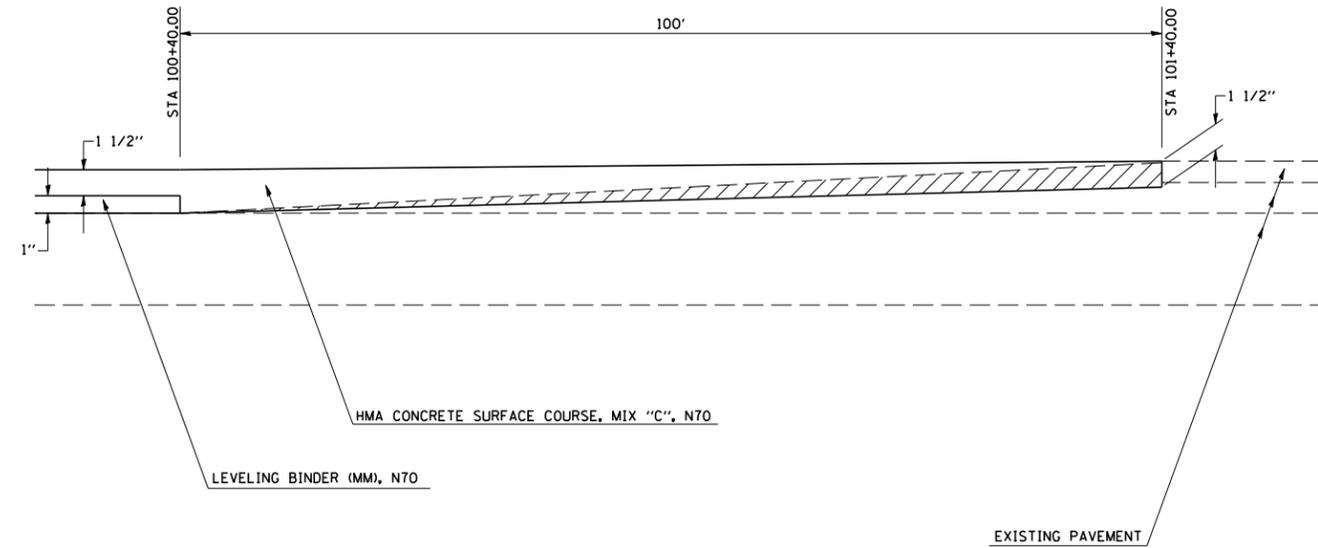
SN 010-0095  
MAX WIDTH SIGNING  
SHEET 4 OF 4

SCALE: VERT. \_\_\_\_\_  
DATE: \_\_\_\_\_ HORIZ. \_\_\_\_\_

DRAWN BY \_\_\_\_\_  
CHECKED BY \_\_\_\_\_

### DETAIL OF BUTT JOINT

START OF PROJECT



HMA SURFACE REMOVAL - BUTT JOINT

#### STATION EQUATION

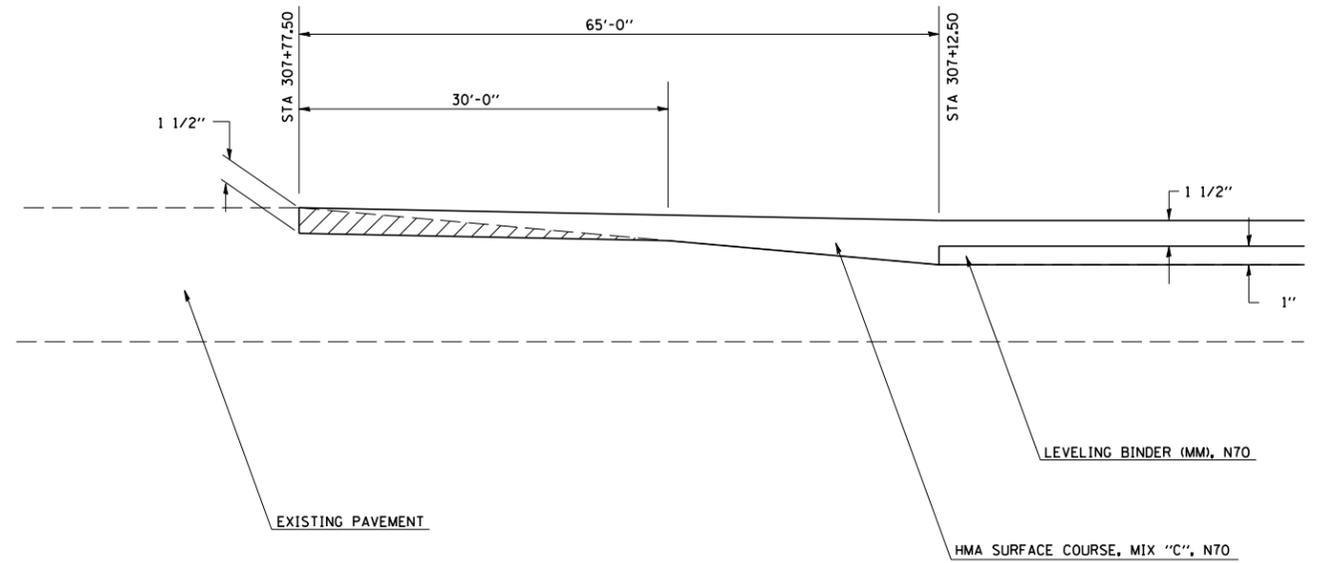
$$\text{STA } 100+40.00 \text{ (BK)} = \text{STA } 232+58.84 \text{ (AH)}$$

### DETAIL OF BUTT JOINT

END OF PROJECT

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
518	(380)RS	CHAMPAIGN	38	27

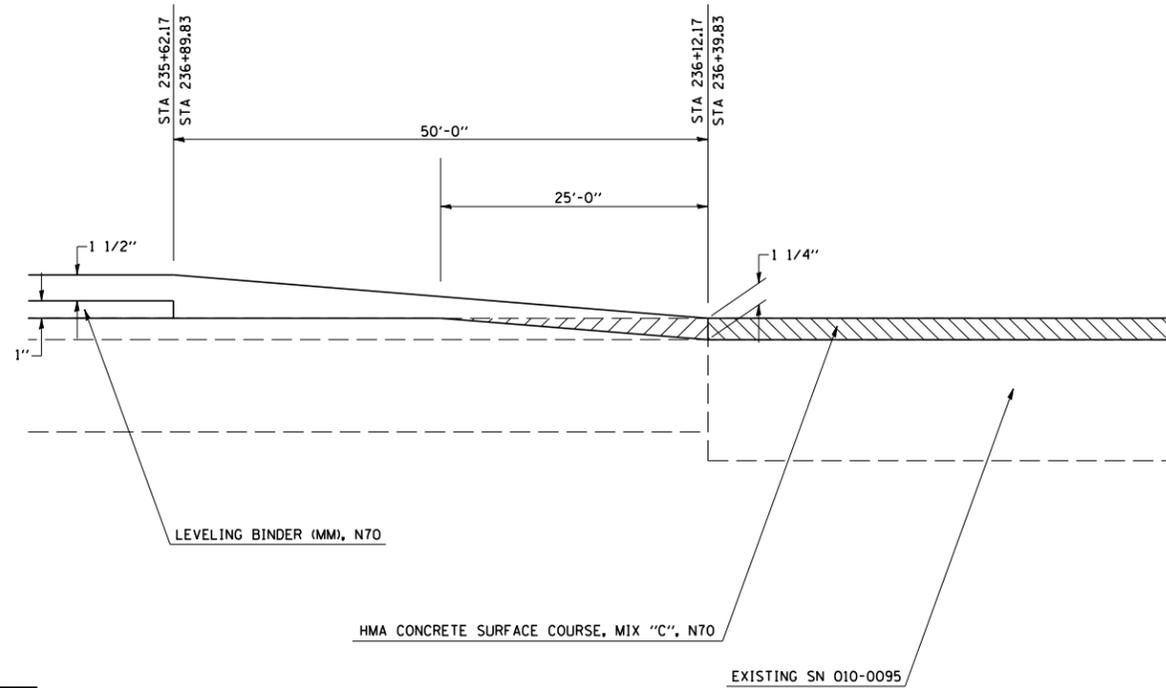
CONTRACT NO. 70587



HMA SURFACE REMOVAL - BUTT JOINT

### DETAIL OF BUTT JOINT

SN 010-0095



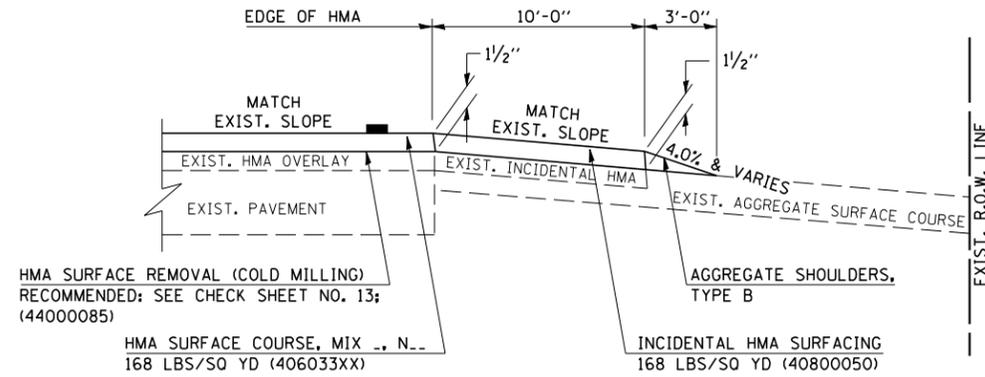
HMA SURFACE REMOVAL - BUTT JOINT  
 REMOVAL OF HMA OVERLAY AND WATERPROOFING



F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
518	380/BS	CHAMPAIGN	38	29

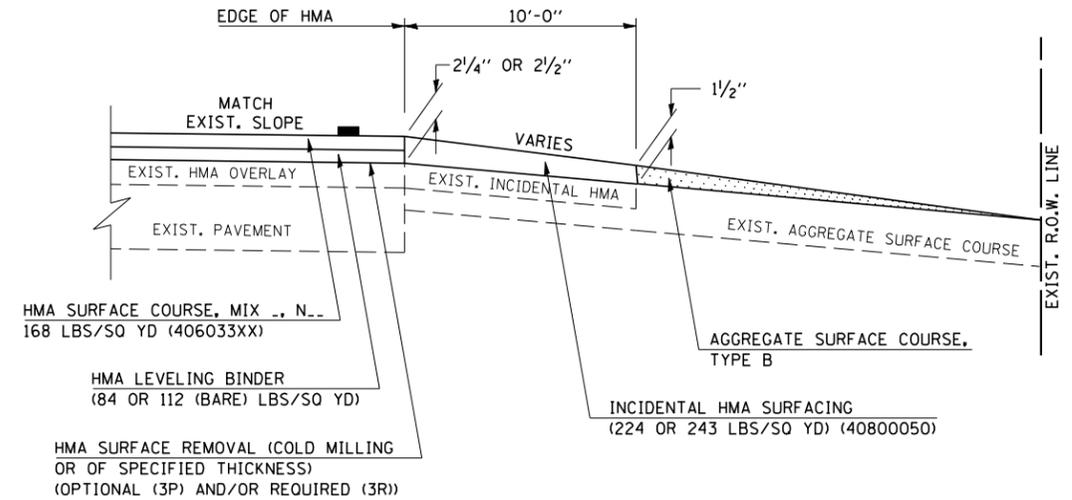
**PROJECTS WITHOUT RECONSTRUCTION**

**S.M.A.R.T. IMPROVEMENTS**  
(POLICY RESURFACING; BDE 53-4.03; 1/2")

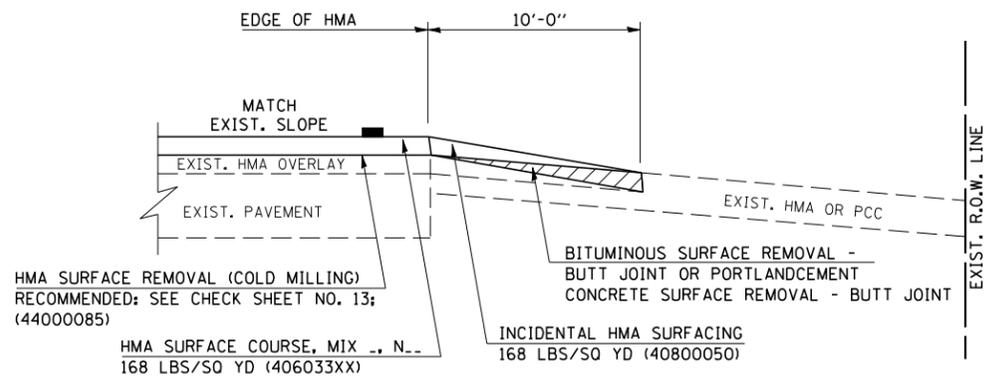


**EXISTING AGGREGATE ENTRANCE**

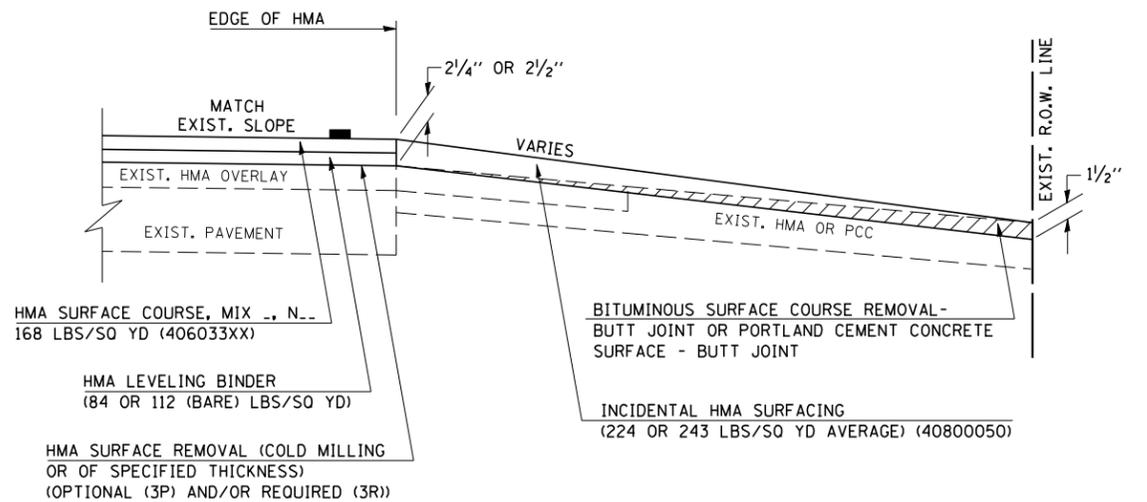
**"3P" OR "3R" IMPROVEMENTS**  
(POLICY RESURFACING; BDE 53-4.02; 2/4" OR 2/2" ON BARE CONCRETE)



**EXISTING AGGREGATE ENTRANCE**



**EXISTING HMA OR PCC ENTRANCE**



**EXISTING HMA OR PCC ENTRANCE**

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

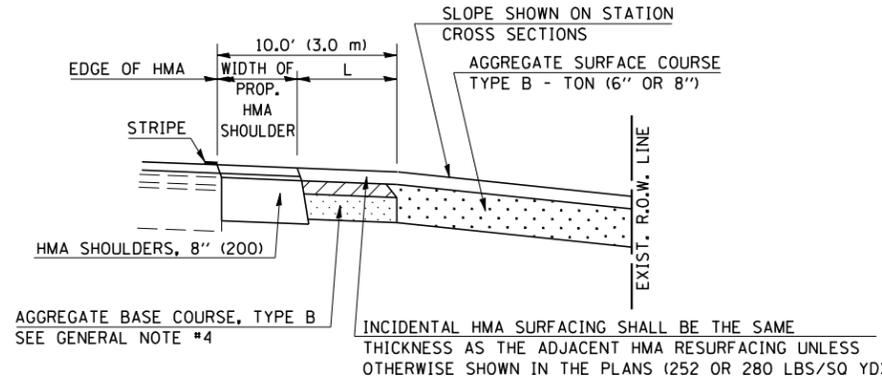
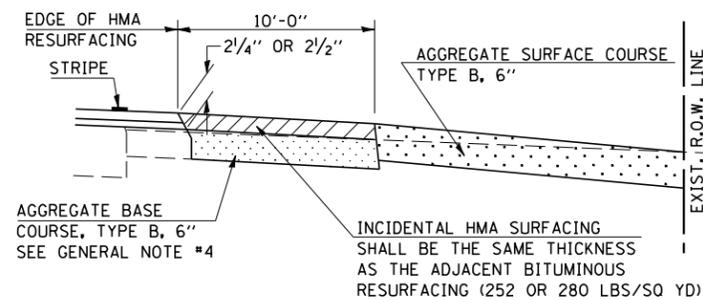
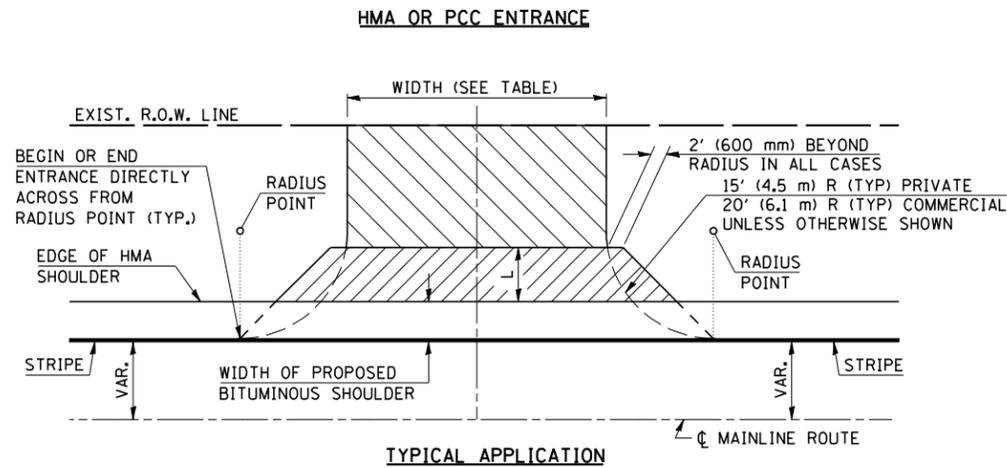
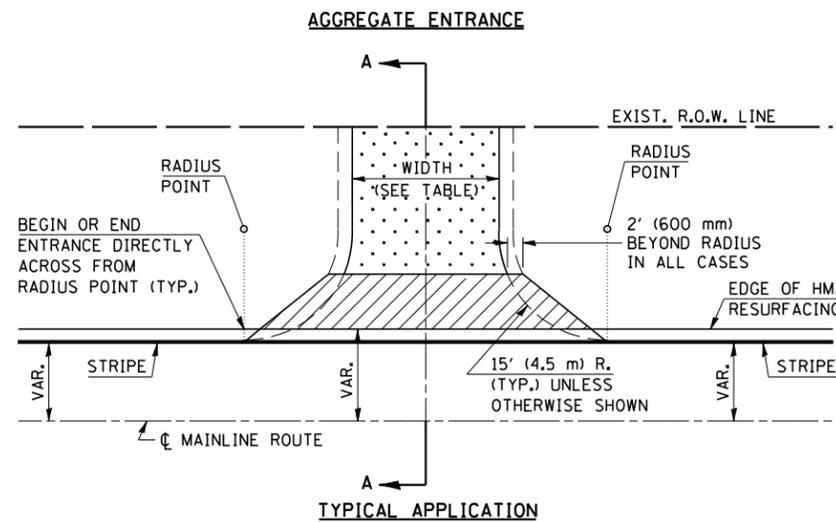
DATE	REVISIONS	NAME	ILLINOIS DEPARTMENT OF TRANSPORTATION
12-08-06	RENUMBERED/COMBINED C-1.24 & C-1.33 WITH ADDITIONS OF S.M.A.R.T. & 3P & 3R IMPROV.	T.J.B.	<b>PRIVATE AND COMMERCIAL ENTRANCES</b> (NONCOMMERCIAL AND COMMERCIAL RURAL)
			<b>DISTRICT 5 DETAIL NO. 40800050C</b>

PLOT DATE = 3/22/2007  
FILE NAME = c:\projects\40800050\40800050.dgn  
PLOT SCALE = 4.2352" / IN.  
USER NAME = stults,j

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
518	1380/BS	CHAMPAIGN	38	30

# PROJECTS WITH RECONSTRUCTION

( 3R IMPROVEMENTS )



## GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. ANY NECESSARY WORK BEHIND THE HMA SHOULDER OR THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. EARTH EXCAVATION REQUIRED FOR THE CONSTRUCTION OF THE AGGREGATE SURFACE COURSE SHALL BE INCLUDED IN THE COST OF AGGREGATE SURFACE COURSE.
4. AGGREGATE BASE COURSE, TYPE B, 6" (150) MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED ENTRANCES. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ANY EXISTING RETURN OR TO CONSTRUCT NEW ENTRANCES WHERE NONE NOW EXISTS.
5. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 1' (0.3 m) WIDER THAN THE SURFACE DIMENSIONS AS SHOWN ABOVE.
6. EXISTING FIELD ENTRANCES OF AGGREGATE OR EARTH WITH NO HMA APRON SHALL NOT RECEIVE A NEW HMA APRON WITHOUT PROPER APPROVAL THROUGH THE BUREAU OF OPERATIONS "POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS".
7. TO ASSURE APPROPRIATE ACCESS POLICIES ARE FOLLOWED ALL NEW ACCESS SHALL BE APPLIED FOR THROUGH THE BUREAU OF OPERATIONS PERMIT APPLICATION PROCESS. PLAN PREPARATION MEMORANDUMS 40-09 AND 40-11 ALONG WITH DISTRICT CONSTRUCTION MEMORANDUM 03/14 DISCUSS THIS PROCEDURE.

RURAL ENTRANCE DESIGN STANDARDS (PPM 40-09)																	
DESIGN ELEMENT	NEW CONSTRUCTION & 3R with RECONSTRUCTION						3R w/out RECONSTRUCTION, 3P, SMART & CM										
	NONCOMMERCIAL			FIELD W/ FARM IMPLEMENTS			COMMERCIAL			NONCOMMERCIAL			COMMERCIAL				
	PRIVATE & FIELD																
	min.	des.	max.	min.	max.	min.	des.	max.	min.	des.	max.	min.	des.	max.	min.	des.	max.
SURFACE WIDTH (FT)	12	16	24	24	30	1 LANE, 1 WAY			1 LANE, 1 WAY			1 LANE, 1 WAY					
						2 LANE, 2 WAY			2 LANE, 2 WAY			2 LANE, 2 WAY					
RADIUS (FT)	15	25	40	30		24	30	35	resurface existing configuration; existing hma or pcc entrances shall have "butt joints" constructed; existing aggregate or earth entrances shall have the continuation of aggregate shoulders placed behind them								
SHOULDER WIDTH (FT)	2	2		2		1	3										
SHOULDER SLOPE (%)	2	4	6	4		2	4	6									
ENTRANCE GRADE (%)	0	2 to 5	10 or 12	2 to 5	10 or 12	0	2 to 5	8 or 10									
SIDE SLOPE (FT)	4:1	6:1	10:1	4:1	6:1	4:1	6:1	10:1									
<b>SURFACE TYPE</b>																	
INCIDENTAL HMA SURFACING (INCH)		2		2		3 or 4			taper from hma resurfacing thickness (2 1/2", 2 1/4" or 1 1/2") to 1 1/2" for "butt joints" and to minimize aggregate shoulder								
AGGREGATE SURFACE COURSE, TYPE B (INCH)		6		6		8			if applicable use items: Preparation of Base & Aggregate Base Repair; see PPM 30-02								
PCC DRIVEWAY PAVEMENT (INCH)		6						6 or 8									

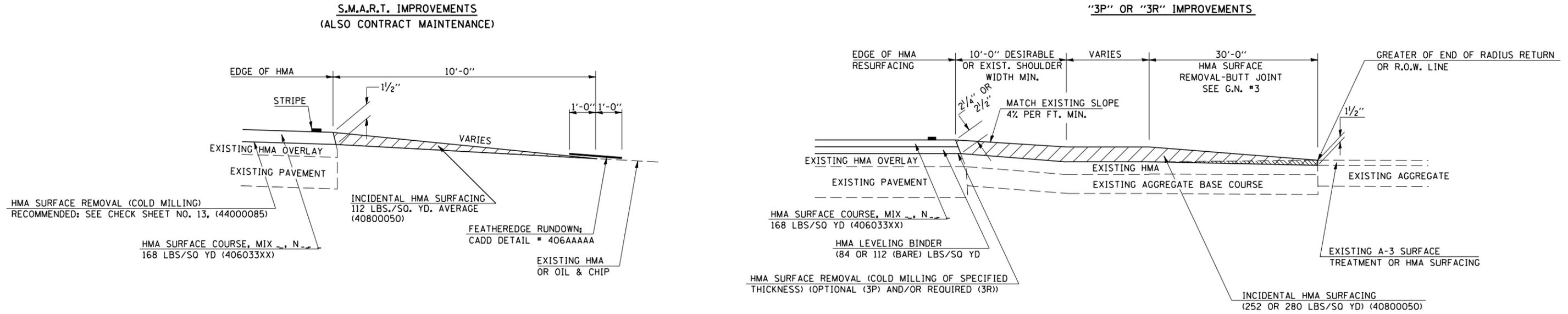
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DATE	REVISIONS	NAME	ILLINOIS DEPARTMENT OF TRANSPORTATION
12-08-06	RENUMBERED/COMBINED C-1,24 & C-1,33 WITH ADDITIONS OF S.M.A.R.T. & 3P & 3R IMPROV.		<b>PRIVATE AND COMMERCIAL ENTRANCES</b> (NONCOMMERCIAL AND COMMERCIAL RURAL)
			<b>DISTRICT 5 DETAIL NO. 40800050C</b>

PLT DATE = 3/22/2007  
FILE NAME = c:\projects\40800050C\40800050C.dgn  
PLT SCALE = 4:2,352" / IN.  
USER NAME = stults,j

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
518	1380/BS	CHAMPAIGN	38	31

**PROJECTS WITHOUT RECONSTRUCTION**



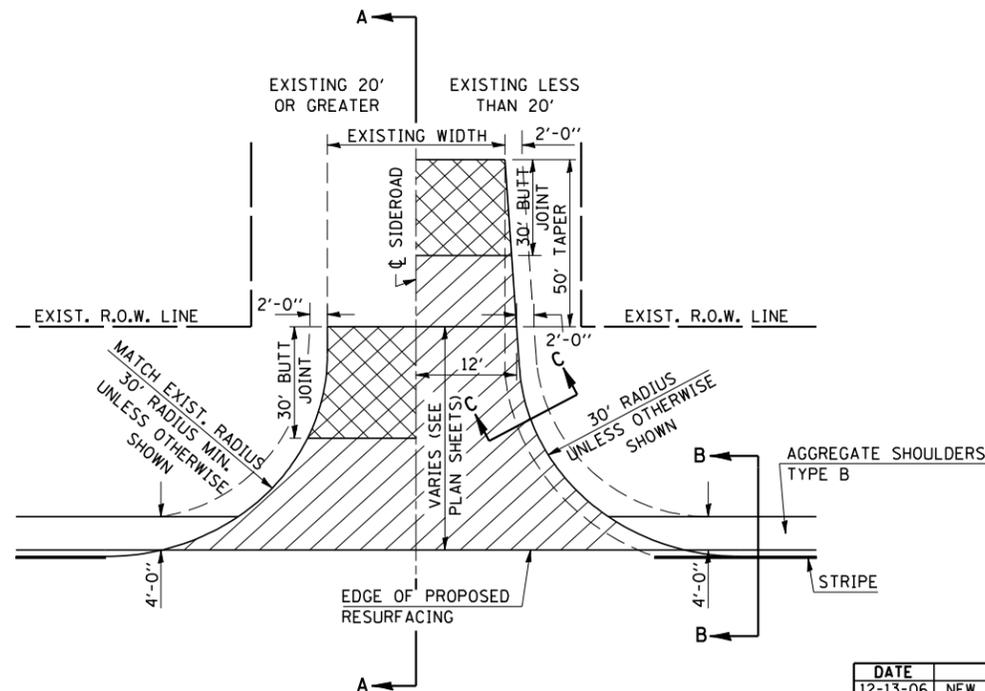
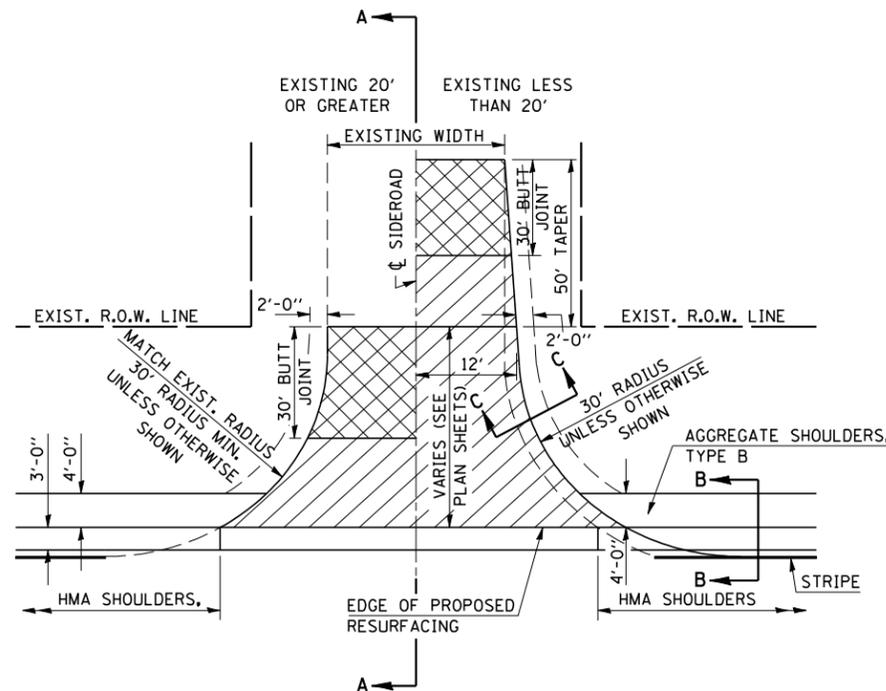
**PROJECTS WITH RECONSTRUCTION ("3R" IMPROVEMENTS)**

**GENERAL NOTES**

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS
2. PROPOSED SIDEROAD GRADES SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. MAJOR SIDEROAD/SIDESTREETS (>400 ADT) SHALL HAVE "BUTT JOINTS" CONSTRUCTED WHETHER THE EXISTING ENTRANCE IS HMA OR PCC. MINOR SIDEROAD/SIDESTREETS (<400 ADT) SHALL HAVE "FEATHEREDGE RUNDOWNS".
4. AGGREGATE BASE COURSE, TYPE B OF THE THICKNESS SPECIFIED IN THE PLANS 6" MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT 6" EXISTING BASE MATERIAL FOR THE PROPOSED SIDEROAD RETURNS. THIS MATERIAL SHALL BE USED TO WIDEN SIDEROAD RETURNS.
5. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 1' WIDER THAN THE SURFACE DIMENSIONS.
6. AGGREGATE SHOULDERS, TYPE B WILL BE WRAPPED AROUND THE SIDEROAD RETURNS. TAPER WIDTH FROM 4' ALONG MAINLINE TO 2' AT BACK OF RETURN.

**WITH HMA SHOULDER**

**WITHOUT HMA SHOULDER**



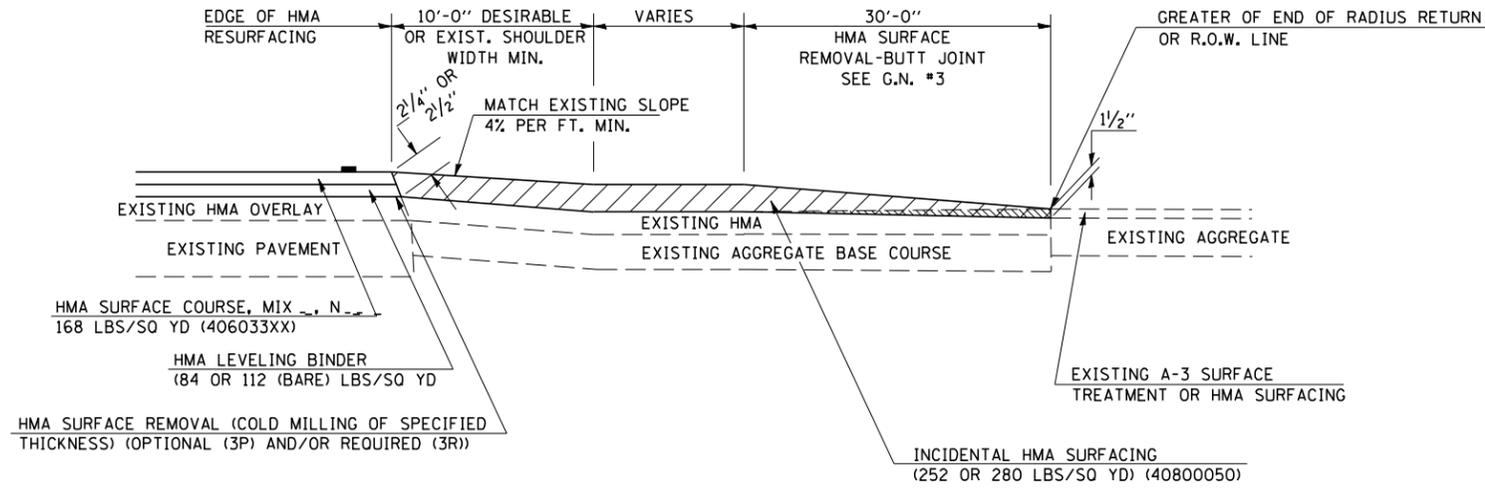
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DATE	REVISIONS	NAME	ILLINOIS DEPARTMENT OF TRANSPORTATION
12-13-06	NEW DETAIL	T.J.B.	<b>SIDEROADS &amp; SIDESTREETS (RURAL)</b>
			<b>DISTRICT 5 DETAIL NO. 408000AA</b>

PLOT DATE = 3/22/2007  
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 USER NAME = stults,j

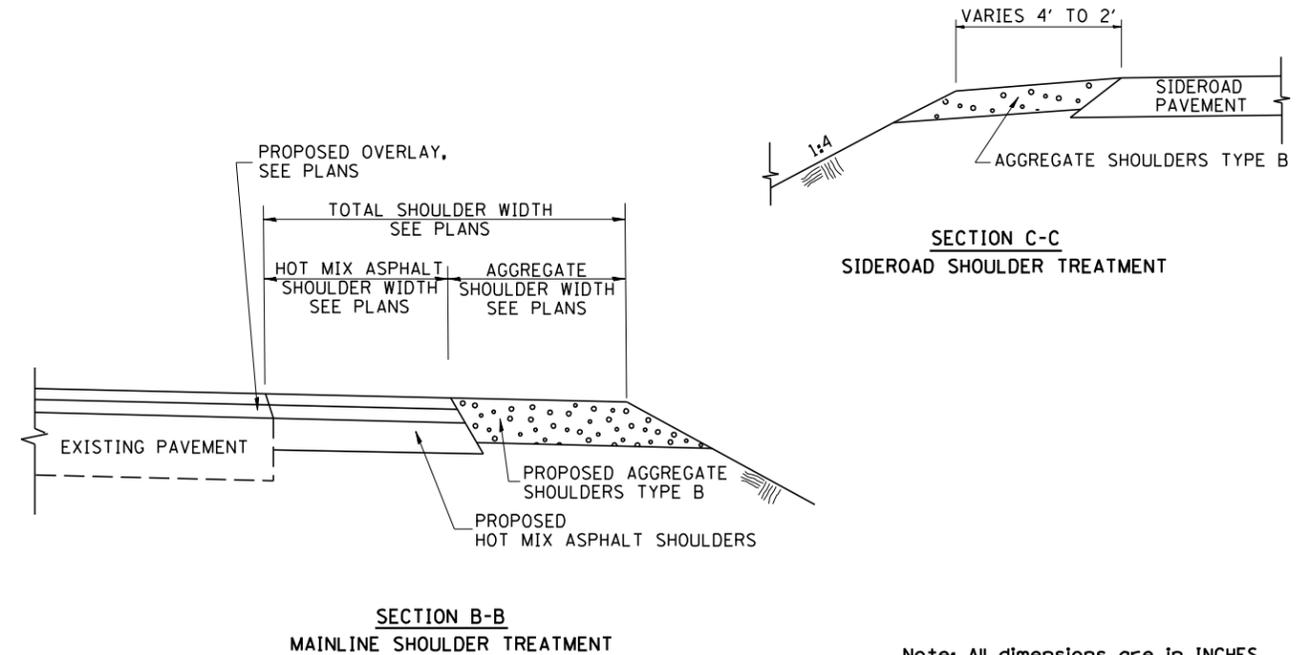
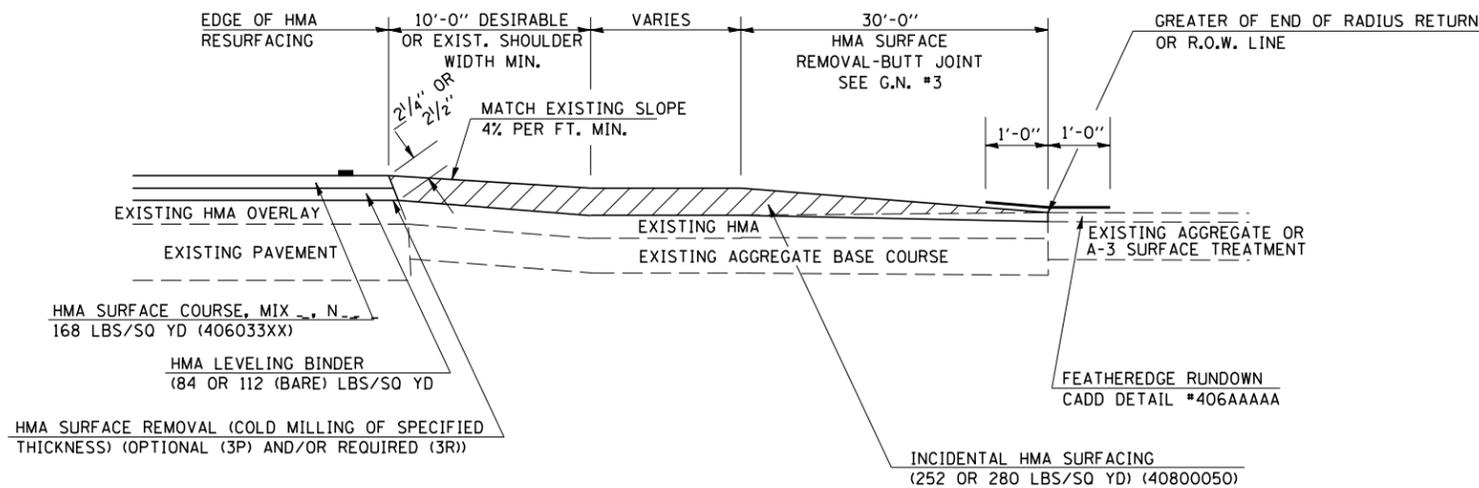
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
518	1380/BS	CHAMPAIGN	38	32

**SECTION A-A**  
EXISTING HMA OR PCC SIDEROAD (>400 ADT)



DESIGN ELEMENT	New Construction & 3R (Existing Width Less Than 20 ft)			3R (Existing Width 20 ft or Greater) & 3P			SMART & Contract Maintenance		
	min.	des.	max.	min.	des.	max.	min.	des.	max.
<b>SURFACE WIDTH (FT);</b> (measured at end of radius or row line; greatest distance from edge of traveled way)	24	24	Coordinate with Geometrics Engineer	resurface existing configuration to completion of radius return or row line; greatest distance from edge of traveled way; major sideroads (> 400 adt) shall have "butt joints" constructed whether the entrance is hma or pcc; minor sideroads (< 400 adt) shall have "featheredge rundown" as shown in district cadd detail 406AAAAA					
<b>RADIUS (FT)</b>	30	30		resurface existing configuration with the completion of a 10 ft. featheredge rundown for ALL sideroads as shown in district cadd detail 406AAAAA					
<b>SHOULDER WIDTH (FT)</b>	4	8	10						
<b>SHOULDER SLOPE (%)</b>	2	4	12						
<b>ENTRANCE GRADE (%)</b>	1	1 to 4	4						
<b>BREAKOVER (%)</b>	0	5	10						
<b>SIDE SLOPE</b>	10:1	6:1	4:1						
<b>INTERSECTION ANGLE</b>	60	75 to 90							
<b>SURFACE TYPE</b>									
<b>INCIDENTAL HMA SURFACING (INCH)</b>	4			taper from 2 1/4" to 1 1/2" or featheredge			taper from 1 1/2" to featheredge		
<b>AGGREGATE BASE COURSE, TYPE A (INCH)</b>	8	4		if applicable use item: 35800100 Preparation of Base					
<b>PCC PAVEMENT (INCH)</b>		8							

**SECTION A-A**  
EXISTING AGGREGATE OR SEAL COAT SIDEROAD (<400 ADT)

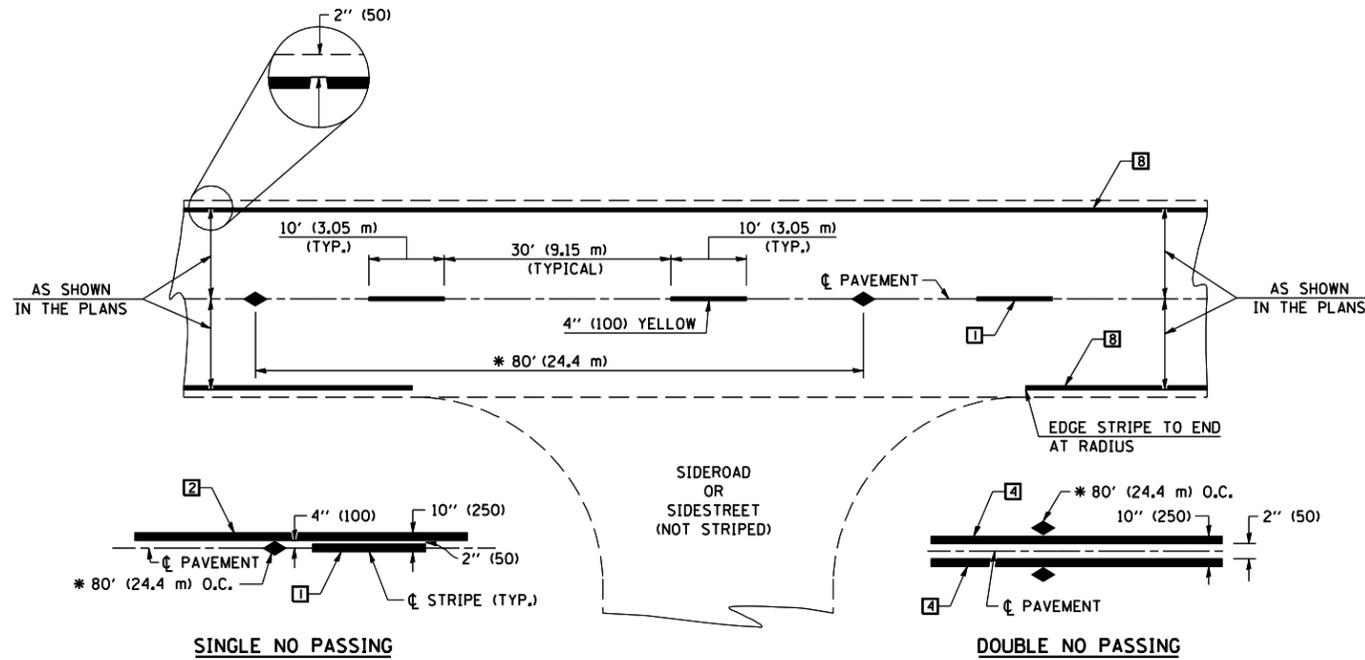


Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DATE	REVISIONS	NAME	ILLINOIS DEPARTMENT OF TRANSPORTATION
12-13-06	NEW DETAIL	T.J.B.	<b>SIDEROADS &amp; SIDESTREETS (RURAL)</b>
			<b>DISTRICT 5 DETAIL NO. 408000AA</b>

PLOT DATE = 3/22/2007  
FILE NAME = c:\projects\408000AA\408000AA.dgn  
PLOT SCALE = 4:2,362" / IN.  
USER NAME = stults,j

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
51B	380/BS	CHAMPAIGN	38	33



\* 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**

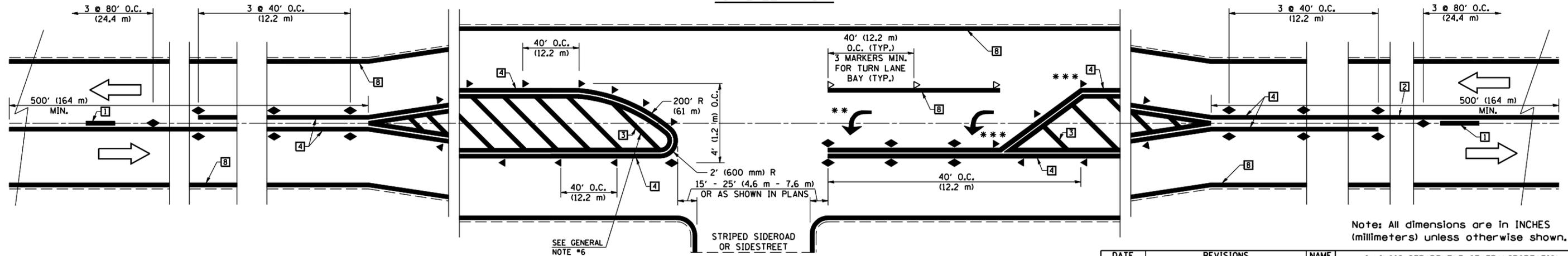
**TYPICAL PAVEMENT MARKING LEGEND**

- 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**



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

\*\*\* REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.

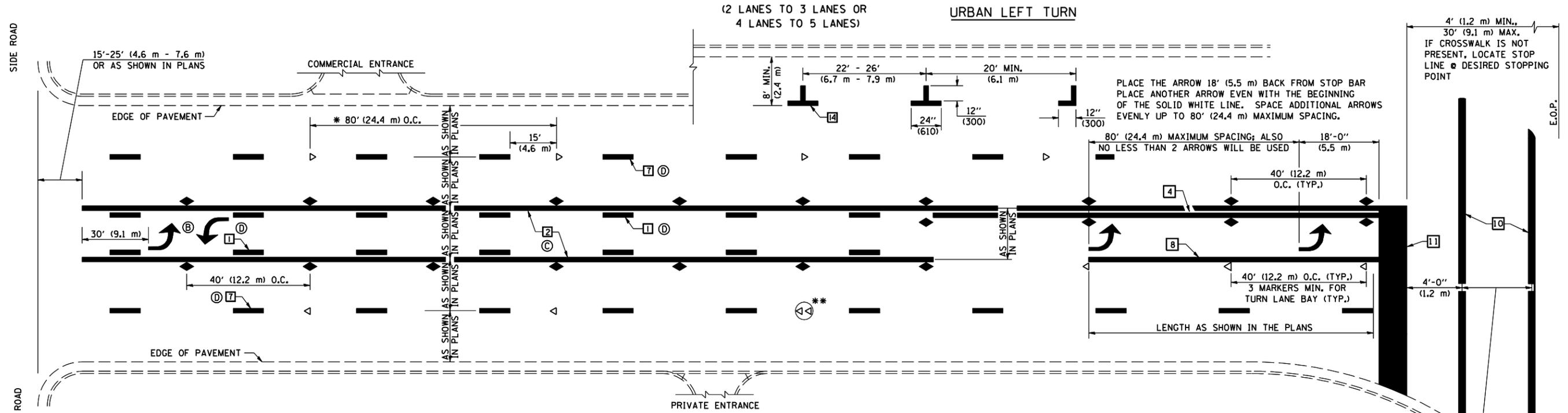
\*\* TURN ARROWS SHALL BE PLACED AS SHOWN ON SHEET #2.

DATE	REVISIONS	NAME
11/06	REPLACED DETAIL E-5:25	TJB

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)**  
 DISTRICT 5 DETAIL NO. 7800AAAA

PLOT DATE = 3/22/2007  
 FILE NAME = c:\projects\7800aaa\7800aaa.dgn  
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 USER NAME = stults,j

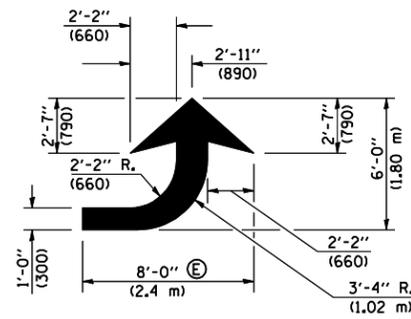
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
51B	380/BS	CHAMPAIGN	38	34



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

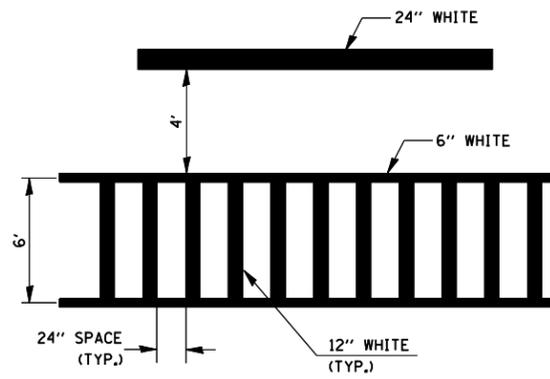
\*\* DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

**BLOOMINGTON-NORMAL CITY LIMITS ONLY**

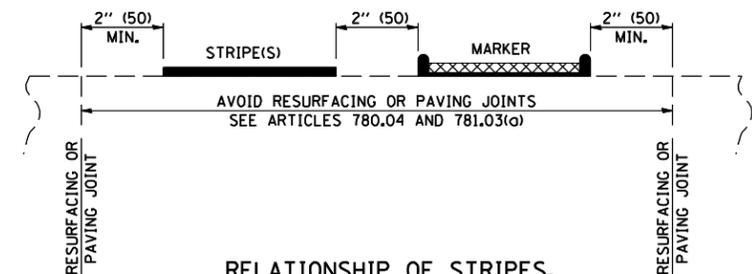


**LEFT ARROW**

REVERSE FOR RIGHT ARROW  
AREA = 15.6 SQ. FT. (1.47 m<sup>2</sup>)  
(WHITE)



**TYPICAL SPACING FOR  
CROSSWALKS & STOP BARS**

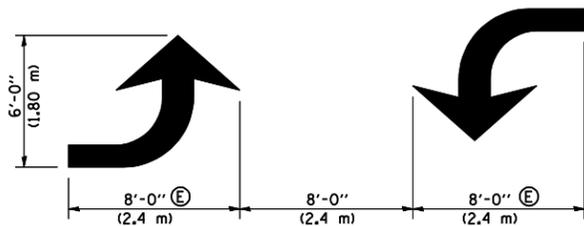


**RELATIONSHIP OF STRIPES,  
MARKERS AND JOINTS**

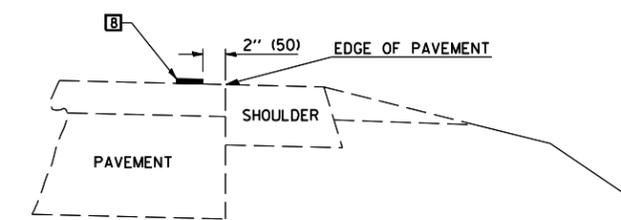
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

**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.
- Ⓔ TURN ARROW SIZE DEPENDS ON THE LOCATION. RURAL LOCATION - LARGE ARROW SIZE URBAN LOCATION - SMALL ARROW SIZE



**TYPICAL DOUBLE  
TURN ARROWS (WHITE)**



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

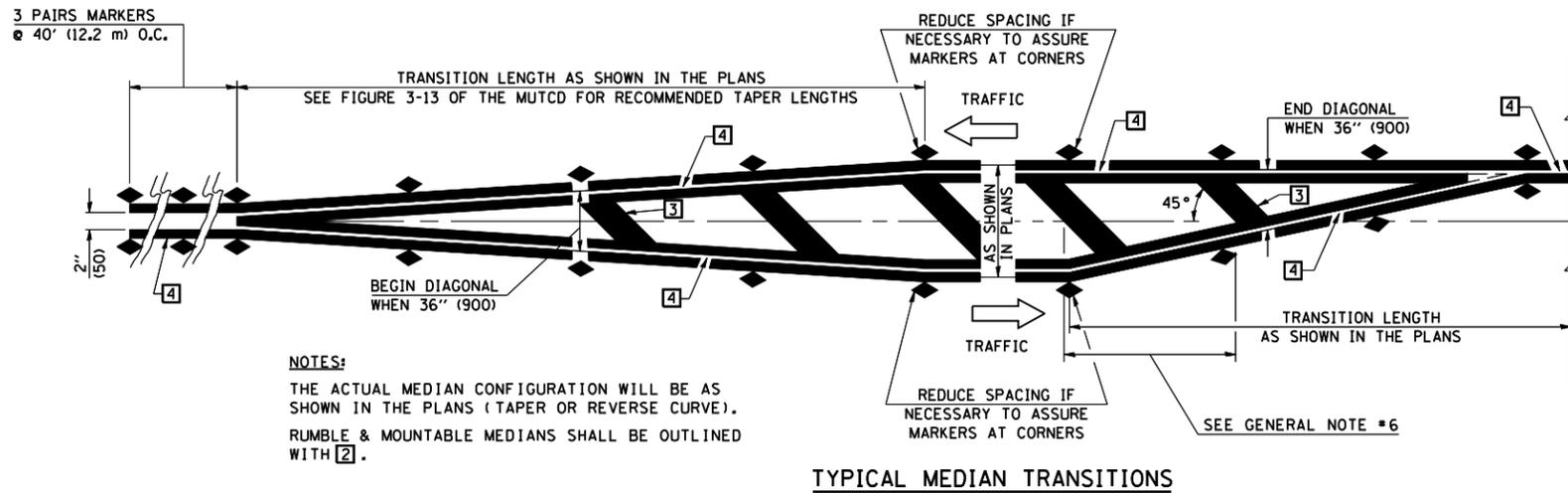
DATE	REVISIONS	NAME
11/06	REPLACED DETAIL E-5:25	TJB

ILLINOIS DEPARTMENT OF TRANSPORTATION

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

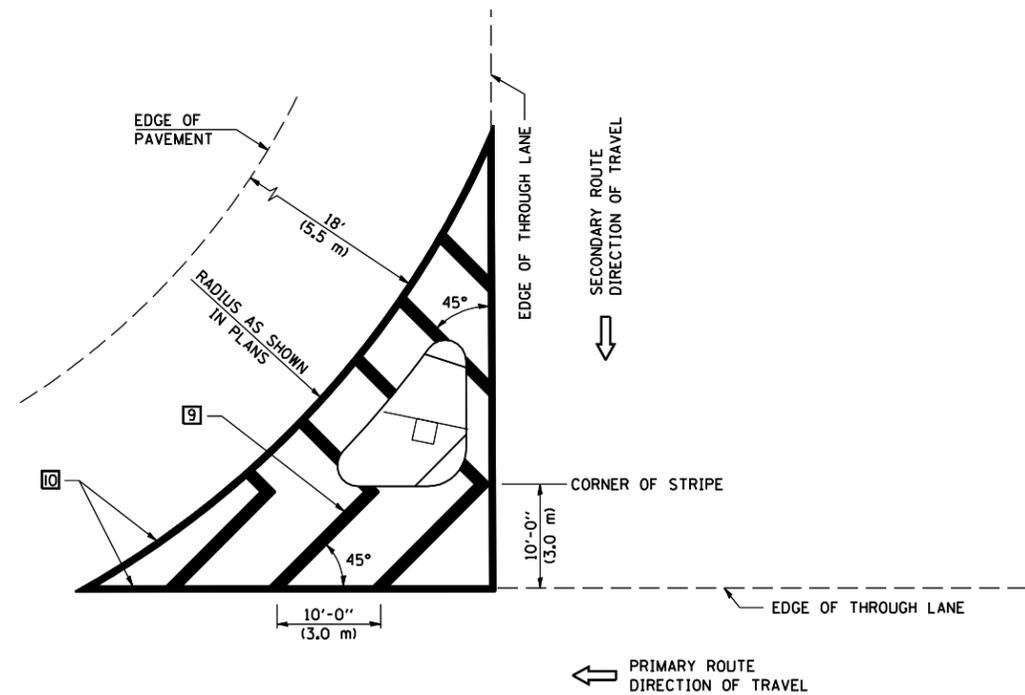
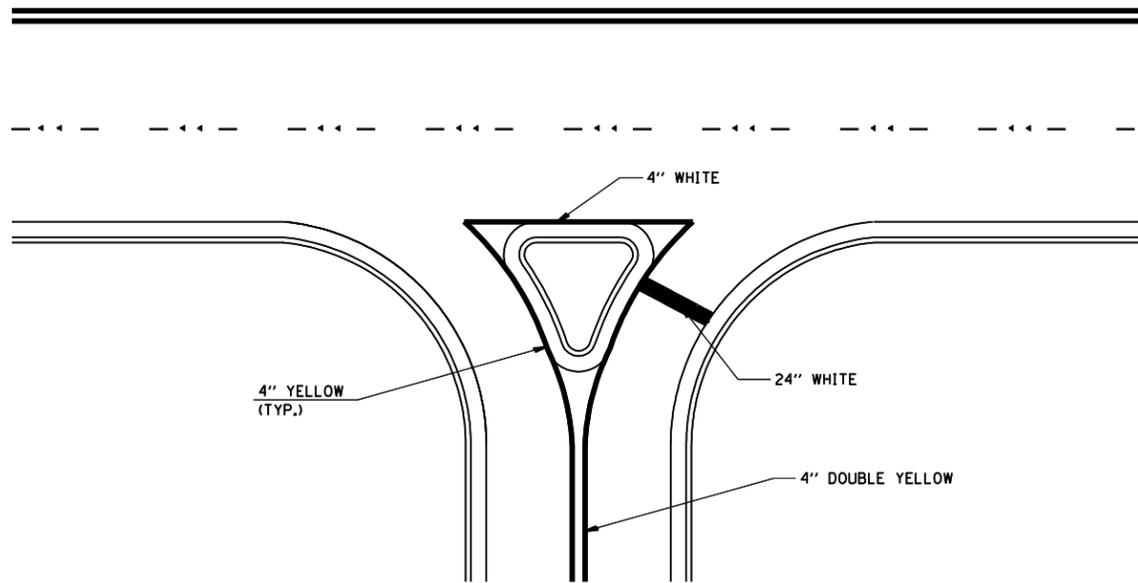
**DISTRICT 5 DETAIL NO. 7800AAAA**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
51B	380/BS	CHAMPAIGN	38	35



**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)



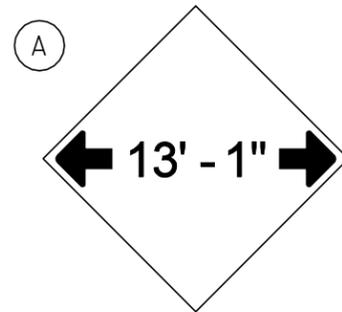
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DATE	REVISIONS	NAME	ILLINOIS DEPARTMENT OF TRANSPORTATION
11/06	REPLACED DETAIL E-5:25	TJB	<b>PAVEMENT MARKING AND MARKERS (RURAL &amp; URBAN APPLICATIONS)</b>
			<b>DISTRICT 5 DETAIL NO. 7800AAAA</b>

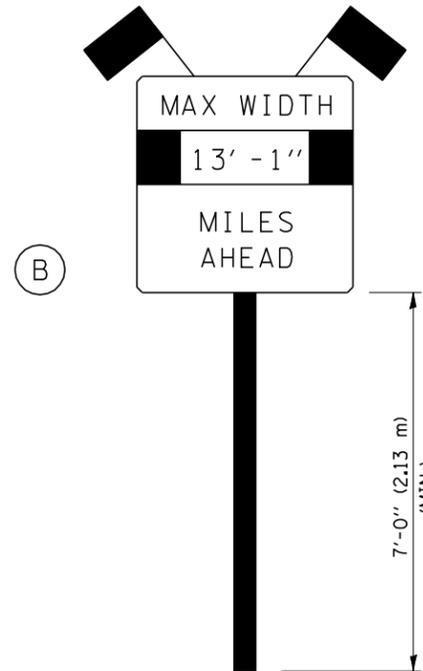
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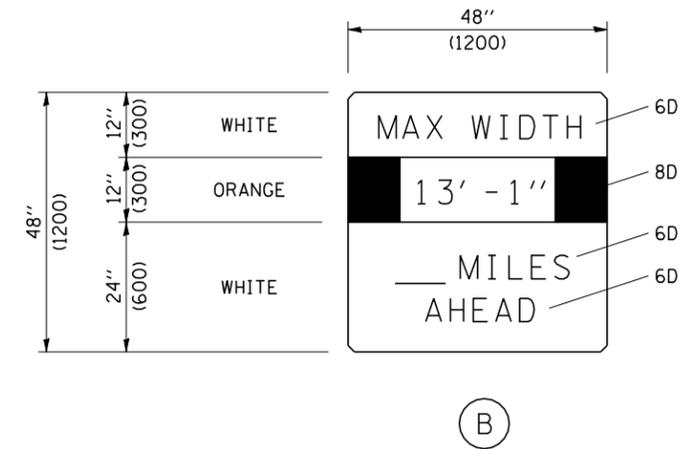
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
518	1380/BS	CHAMPAIGN	38	37



W12-2(0)-48"x48"(1200x1200)



SIGN PANEL, TYPE II



- SIGN (A) 2 SIGNS - W12-2(0)-48"x48"(1200x1200) ARE TO BE PLACED AT EACH END OF THE REPAIR IN EACH DIRECTION ALONG ROUTE \_\_\_\_.
- SIGN (B) 2 SIGNS - (SIGN PANEL, TYPE II) AS SHOWN ARE TO BE PLACED APPROXIMATELY \_\_\_\_ MILES EACH SIDE OF THE PROJECT ON ROUTE \_\_\_\_.

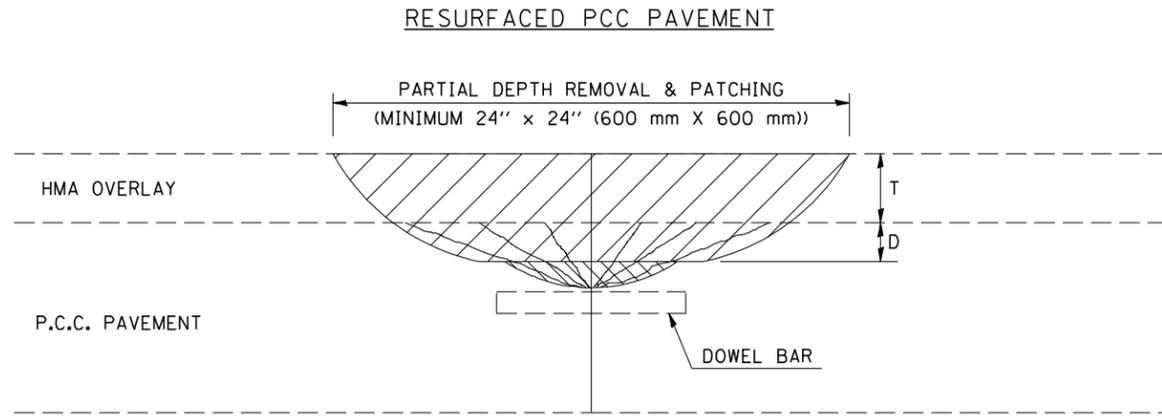
GENERAL NOTES

- ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED AND MAINTAINED BY THE CONTRACTOR.
- ALL (B) SIGNS SHALL HAVE FLAGS INSTALLED UNLESS OTHERWISE DIRECTED.
- LOCATIONS OF TRAFFIC CONTROL DEVICES MAY BE ADJUSTED BY THE ENGINEER.
- ALL TRAFFIC CONTROL SHOWN ON THIS SHEET SHALL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR WIDTH RESTRICTION SIGNING.
- THE ILLINOIS DEPARTMENT OF TRANSPORTATION WILL SUPPLY ALL "ROUTE MARKER" SIGNS, IF APPLICABLE. THE CONTRACTOR SHALL NOTIFY THE DISTRICT BUREAU OF OPERATIONS A MINIMUM OF 10 WORKING DAYS PRIOR TO PLACEMENT OF WIDTH RESTRICTION SIGNING TO ENSURE AVAILABILITY OR FABRICATION OF THE "ROUTE MARKER" SIGNS.
- ALL SIGNS SHALL BE POST MOUNTED UNLESS OTHERWISE DIRECTED.
- ALL SIGNS SHOWN ORANGE (O) SHALL BE FLUORESCENT ORANGE.

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

DATE	REVISIONS	NAME	ILLINOIS DEPARTMENT OF TRANSPORTATION
11/06	REPLACED DETAIL E-5.00	TJB	<b>WIDTH RESTRICTION SIGNING</b>
			<b>DISTRICT 5 DETAIL NO. X7200201</b>

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
518	1380/BS	CHAMPAIGN	38	38



 +  = PARTIAL DEPTH REMOVAL (X4401705)  
 MILL MACHINE AND/OR WHEEL SAW REMOVAL      AIR EQUIPMENT OR MECHANICAL SWEEPER REMOVAL OF LOOSE AND/OR UNSOUND CONCRETE

**DESIGN NOTES**

PARTIAL DEPTH HMA PATCHING SHALL NOT BE USED WHEN HMA OVERLAY THICKNESS (T) ON PCC PAVEMENT EXCEEDS 4 3/4 INCHES (145 mm) OR ON CRC PAVEMENT.

**GENERAL NOTES**

ALL VOLUME OF PARTIAL DEPTH REMOVAL SHALL BE REPLACED WITH HOT-MIX ASPHALT (HMA) AND PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR PARTIAL DEPTH PATCHING.

T = THICKNESS OF HMA OVERLAY(S). SEE EXISTING TYPICAL CROSS SECTION.

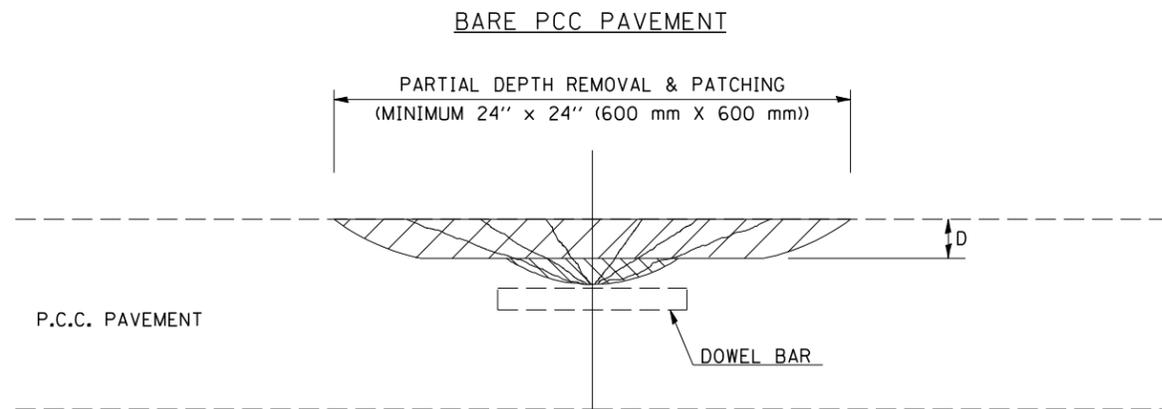
GENERAL NOTE 406H SHALL INCLUDE MIXTURE REQUIREMENTS FOR PARTIAL DEPTH PATCHING.

HMA REPLACEMENT IN RESURFACED PCC PAVEMENT LOCATIONS SHALL BE ACCORDING TO SECTION 406 OF THE STANDARD SPECIFICATIONS.

D = DEPTH OF PARTIAL DEPTH REMOVAL INTO EXISTING PCC PAVEMENT. (3" (75 mm) ± OR TO SOUND CONCRETE)

TRANSVERSE CONTRACTION JOINT SHOWN - OTHER LOCATIONS SIMILAR.

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



DATE	REVISIONS	NAME	ILLINOIS DEPARTMENT OF TRANSPORTATION
11/06	REPLACED DETAIL C-5.01	TJB	<b>PCC PARTIAL DEPTH HOT-MIX ASPHALT PATCHING</b>  <b>DISTRICT 5 DETAIL NO. XX442100</b>