

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
731	1(I)-3	MACOUPIN	18	1
ILLINOIS				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED CONTRACT MAINTENANCE

FAS ROUTE 731 (SCOTTVILLE ROAD)
SECTION (1)I-3

MACOUPIN COUNTY
C-96-173-10

INDEX OF SHEETS

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- 9-16 PLAN LAYOUT SHEETS
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- 18 BUTT JOINT DETAILS

LIST OF STANDARDS

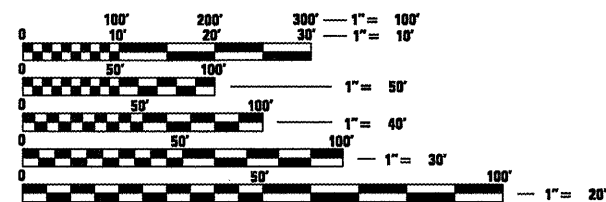
000001-05	701306-02
001006	701311-03
701001-02	701326-03
701006-03	701501-05
701011-02	701901-01
701301-03	780001-02

D-96-173-10



STATION: 11+95 TO 91+15
3' HMA SHOULDER CONSTRUCTION

STATION 11+95 TO 353+76
3" HMA MIXTURE FOR STABILIZED BASE,
CA 7 MIX (WITH CLASS A-1 TREATMENT)

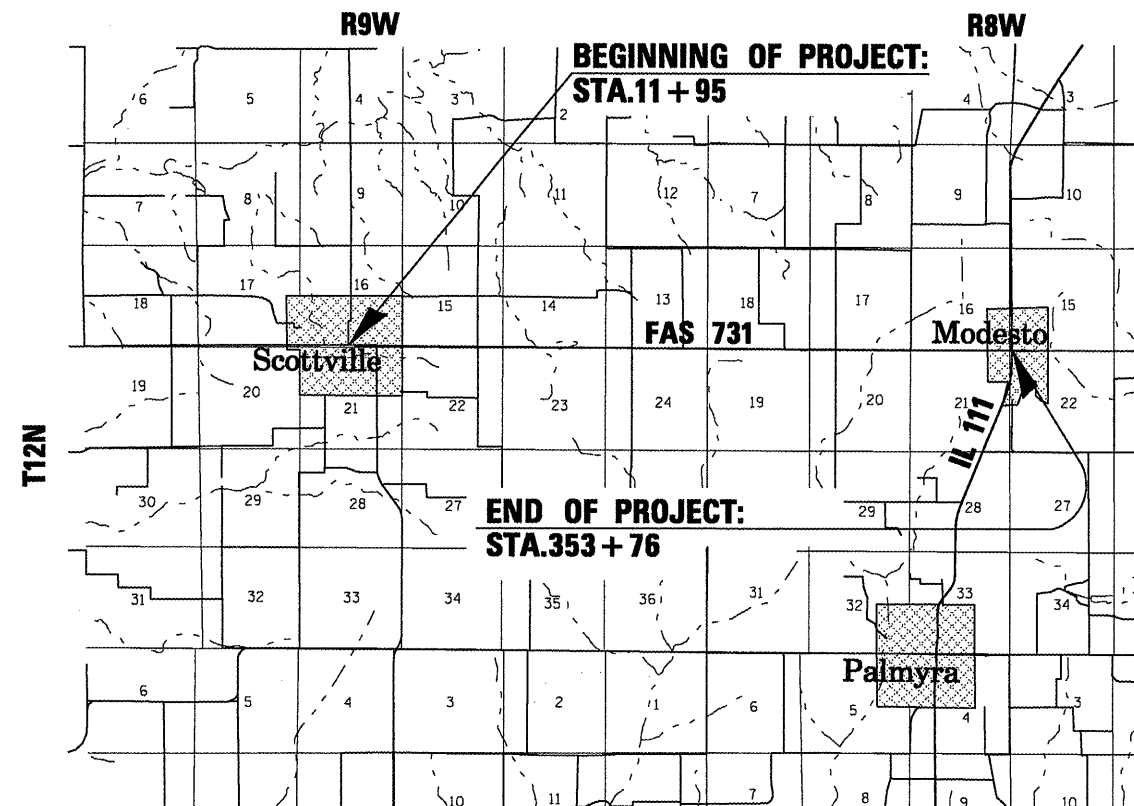


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: SAL MADONIA (217) 782-4761
PROJECT MANAGER: MARCUS BRUCE (217) 524-0946

CONTRACT NO. 72D45



LOCATION MAP

GROSS LENGTH = 34,181 FT. = 6.474 MILES
NET LENGTH = 34,181 FT. = 6.474 MILES

ADT: 457 (2010)
CRS: 3.1 (2010)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED April 8 2010
Rep. Z. P. ...
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 7 2010
Scott E. Stitt P.E. /a
acting ENGINEER OF DESIGN AND ENVIRONMENT

May 7 2010
Christine M. Reed /a
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

GENERAL NOTES

1. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUB NUMBER LISTED IN THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
2. IN ADDITION TO FIELD SURVEYS, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION DUE TO A CHANGE IN THE SCOPE OF WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
3. ACCESS TO ALL ENTRANCES AND SIDE ROADS SHALL BE MAINTAINED AT ALL TIMES.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS, AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE J.U.L.I.E. NUMBER IS 1-800-892-0123. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED.
5. THE THICKNESS OF HMA MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.
6. ALL SAW CUTS, NECESSARY TO COMPLETE THE WORK DETAILED IN THESE PLANS, SHALL BE INCLUDED IN THE COST FOR THE VARIOUS PAY ITEMS INVOLVED.
7. UNLESS DIRECTED BY THE ENGINEER, PAVEMENT MARKING LINES SHALL NOT BE LAID DIRECTLY OVER A LONGITUDINAL CRACK OR JOINT NOR OVER A TAR OR ASPHALT PAINTED LINE. THE EDGE OF A CENTERLINE OR LANE LINE SHALL BE OFFSET A MINIMUM DISTANCE OF 2" FROM A LONGITUDINAL CRACK OR JOINT. EDGE LINES SHALL BE APPROXIMATELY 2" FROM THE EDGE LINE OF PAVEMENT. SEE SECTION 780 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS.
8. THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED TO CALCULATE THE PLAN QUANTITIES:
 HMA MATERIALS (PRIME COAT) _____ 0.00038 TON/SQ. YD. (ON PAVEMENT)
 HMA MATERIALS (COVER AND SEAL COAT) _____ 0.001425 TON/SQ.YD.
 AGGREGATE PRIME COAT _____ 0.002 TON/SQ. YD.
 HMA CONCRETE SURFACE _____ 0.056 TON/SQ. YD. PER 1"
 AGGREGATE MATERIAL _____ 2.05 TON/CU. YD.
 SEAL COAT AGGREGATE _____ 0.01 TON/CU. YD.
 SEEDING FERTILIZER NUTRIENTS (NIT: PHOS: POTASS) _____ 90: 90: 90: LBS./ACRE
 MULCH RATE _____ 2.0 TONS/ACRE
 AGRICULTURAL GROUND LIMESTONE _____ 2.0 TONS/ACRE
9. THE EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION WILL BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER. AFTER THE CONSTRUCTION IS COMPLETED, THE CONTRACTOR WILL REPLACE THE SIGNS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT, AND NO COMPENSATION WILL BE ALLOWED.
10. WHERE SECTION OR SUB-SECTION MARKERS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED AGENT OR LAND SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
11. LIMITS OF CONSTRUCTION ALONG SIDE ROADS SHALL BE VERIFIED AND APPROVED BY THE ENGINEER BEFORE WORK BEGINS. LIMITS MAY BE ADJUSTED FROM PROPOSED PLAN LAYOUT IF ENGINEER DEEMS NECESSARY. OIL AND CHIP SIDE ROADS ARE TO BE TREATED AS AGGREGATE SIDEROADS.
12. EXISTING MANHOLES AND INLET FRAMES & LIDS DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPLACED WITH NEW FRAMES AND LIDS AT THE CONTRACTOR'S EXPENSE.
13. THE DISTRICT BUREAU OF OPERATIONS SHALL BE NOTIFIED AT LEAST 14 DAYS PRIOR TO PLACEMENT OF FINAL PAVEMENT MARKINGS, PHONE (217) 782-7314.
14. ALL OF THE DISTURBED AREAS WITHIN THE RIGHT OF WAY NOT COVERED BY SURFACING MATERIAL SHALL BE SEEDED.
15. THE CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE FOR THE DURATION OF THIS PROJECT.
16. SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED SHALL BE DETERMINED BY THE ENGINEER.
17. QUANTITY CALCULATIONS FOR AGGREGATE BASE COURSE, TYPE B IS INCLUDED TO MAINTAIN ACCESS TO ENTRANCES AT ALL TIMES. ASSUMPTIONS USED TO CALCULATE QUANTITIES ARE BASED ON A VARIABLE DEPTH OF 1 INCH TO 3 INCHES OVER A LENGTH OF 5 FEET, WITH AN APPLICATION RATE OF 2.05 TON/CU YD.

MIXTURE REQUIREMENTS FOR ENTRANCES

LOCATION(S):	ENTRANCES
MIXTURE USE(S):	INCIDENTAL HMA SURFACING
P.G.:	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N DESIGN = 50
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 9.5 OR 12.5
FRICITION AGGREGATE:	MIX "C"

COMMITMENTS

THERE ARE NO COMMITMENTS CALLED FOR IN FOR THIS PROJECT

MIXTURE REQUIREMENTS FOR PROPOSED 9" HMA SHOULDERS

LOCATION(S):	TOP 2" OF PROPOSED LT. & RT. SHLDRS.	BOTTOM 7" OF PROPOSED LT. & RT. SHLDRS.
MIXTURE USE(S):	HMA SURFACE COURSE, MIX "C", N50	HMA BINDER COURSE, IL-19.0, N50
P.G.:	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 9.5 OR 12.5	IL 19.0
FRICITION AGGREGATE:	MIX "C"	NOT APPLICABLE

NOTE:
MIX REQUIREMENTS FOR THE PROPOSED HMA MIXTURE FOR STABILIZED BASE, CA-7 MIX ARE INCLUDED IN THE SPECIAL PROVISION.

DISTRICT SIX	
EXAMINED <u>MARCH 24</u> 20 <u>10</u>	<i>[Signature]</i>
OPERATIONS ENGINEER	
EXAMINED <u>MARCH 24</u> 20 <u>10</u>	<i>[Signature]</i>
PROGRAM IMPLEMENTATION ENGINEER	
EXAMINED <u>MARCH 25</u> 20 <u>10</u>	<i>[Signature]</i>
PROGRAM DEVELOPMENT ENGINEER	

SUMMARY OF QUANTITIES - FAS 731 (SCOTTVILLE TO MODESTO)

CODE #	PAY ITEM	UNIT	100% STATE 1000 QUANTITY
2.0005110	HOT-MIX ASPHALT MIXTURE FOR STABILIZED BASE, CA-7 MIX	TON	15,464
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	158
25000200	SEEDING, CLASS 2	ACRE	0.75
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	68
25000500	PHOSPHOROUS FERTILIZER NUTRIENT	POUND	68
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	68
25000700	AGRICULTURAL GROUND LIMESTONE	TON	2
25100115	MULCH, METHOD 2	ACRE	0.75
35800100	PREPARATION OF BASE	SQ YD	590
40300400	BITUMINOUS MATERIALS (COVER AND SEAL COAT)	TON	131
40300600	SEAL COAT AGGREGATE	TON	915
40600200	BITUMINOUS ^{MATERIALS} (PRIME COAT)	TON	35
40600300	AGGREGATE (PRIME COAT)	TON	183
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	120
40600990	TEMPORARY RAMP	SQ YD	500

NOTES:

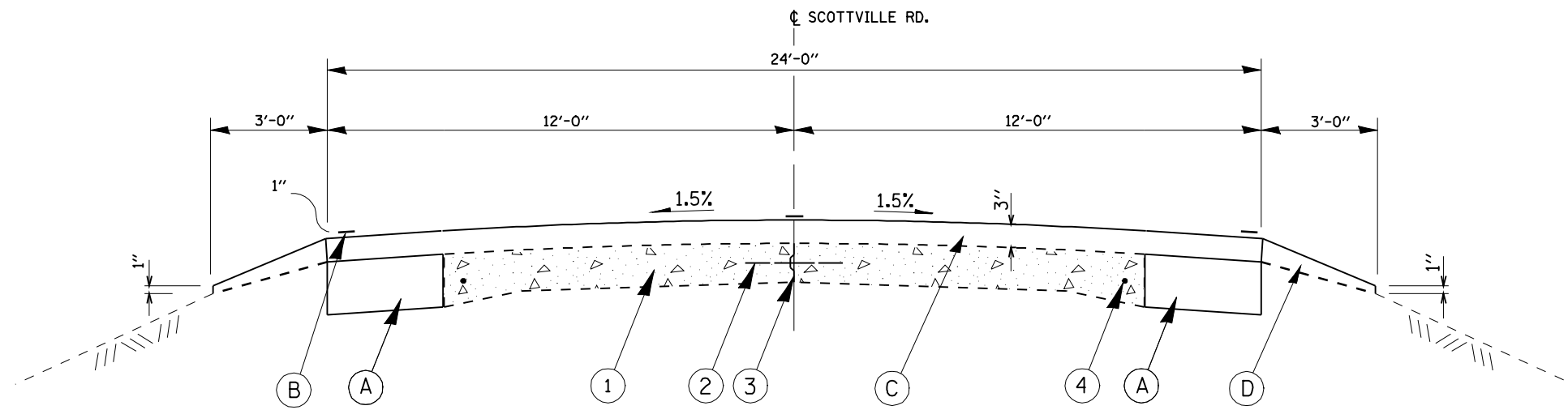
- 1) HMA SHOULDER CONSTRUCTION/SEEDING ONLY FROM STATION 11+95 TO 91+15
- 2) 3" HMA MIXTURE FOR STABILIZED BASE WITH A-1 SURFACE TREATMENT (OIL & CHIP), AGGREGATE SHOULDER, STRIPING, AND OTHER RELATED WORK FROM STATION 11+95 TO 353+76

SUMMARY OF QUANTITIES - FAS 731 (SCOTTVILLE TO MODESTO)

CODE #	PAY ITEM	UNIT	100% STATE I000 QUANTITY
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	8
48101200	AGGREGATE SHOULDERS, TYPE B	TON	2,528
48203033	HOT-MIX ASPHALT SHOULDERS, 9"	SQ YD	5,264
67100100	MOBILIZATION	L SUM	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	4
* 78001120	PAINT PAVEMENT MARKING - LINE 5" <i>REFLECTIVE</i>	FOOT	76,200
78100200	TEMPORARY RAISED PAVEMENT MARKER	EACH	1,710

- NOTES:
- HMA SHOULDER CONSTRUCTION/SEEDING ONLY FROM STATION 11+95 TO 91+15
 - 3" HMA MIXTURE FOR STABILIZED BASE WITH A-1 SURFACE TREATMENT (OIL & CHIP), AGGREGATE SHOULDER, STRIPING, AND OTHER RELATED WORK FROM STATION 11+95 TO 353+76

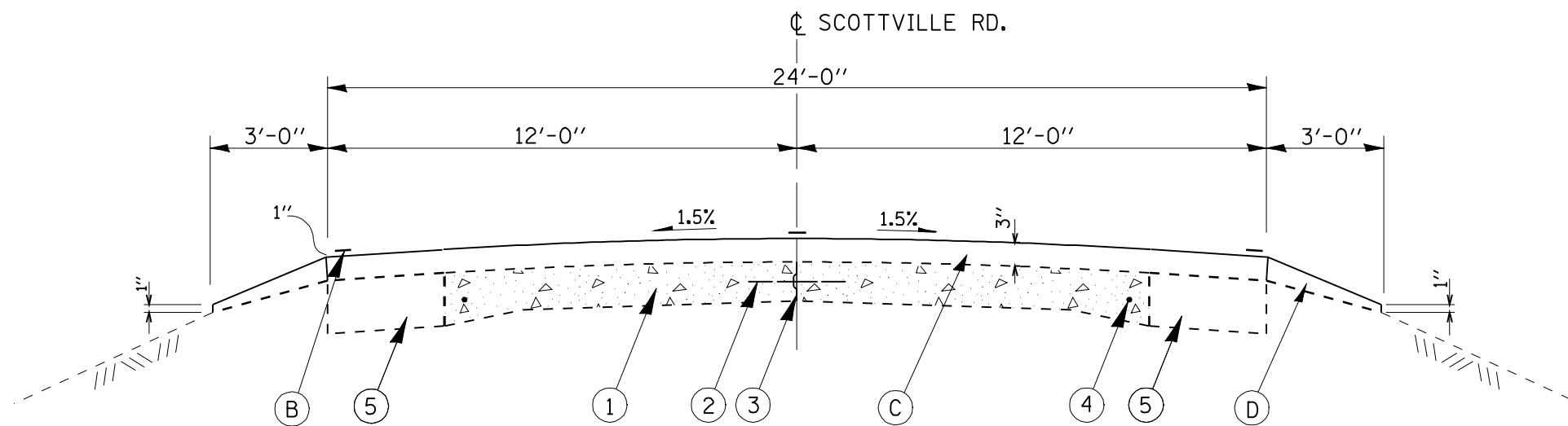
* SPECIALTY ITEM



STA. 11+95 TO STA. 91+15

LEGEND

- ① EXISTING 9'-6"-9' P.C.C. PAVEMENT
- ② EXISTING 1/2"Ø DEFORMED TIE BAR 4' LONG @ 5' CENTERS
- ③ EXISTING LONGITUDINAL METAL JOINT
- ④ 3/4"Ø SMOOTH BAR
- ⑤ EXISTING HMA SHOULDER 9" (7" BINDER/ 2" SURFACE)
- Ⓐ PROPOSED HMA SHOULDERS, 9", CONSISTING OF:
* HMA SURFACE COURSE, MIX "C", N 50, 2" DEPTH
* HMA BINDER COURSE, IL-19.0, N50, 7" DEPTH
- Ⓑ PROPOSED PAINT PAVEMENT MARKING - LINE 5"
- Ⓒ PROPOSED HMA MIXTURE 3" FOR STABILIZED BASE, CA-7 MIX (PLUS A-1 SEAL COAT)
- Ⓓ PROPOSED AGGREGATE SHOULDERS, TYPE B

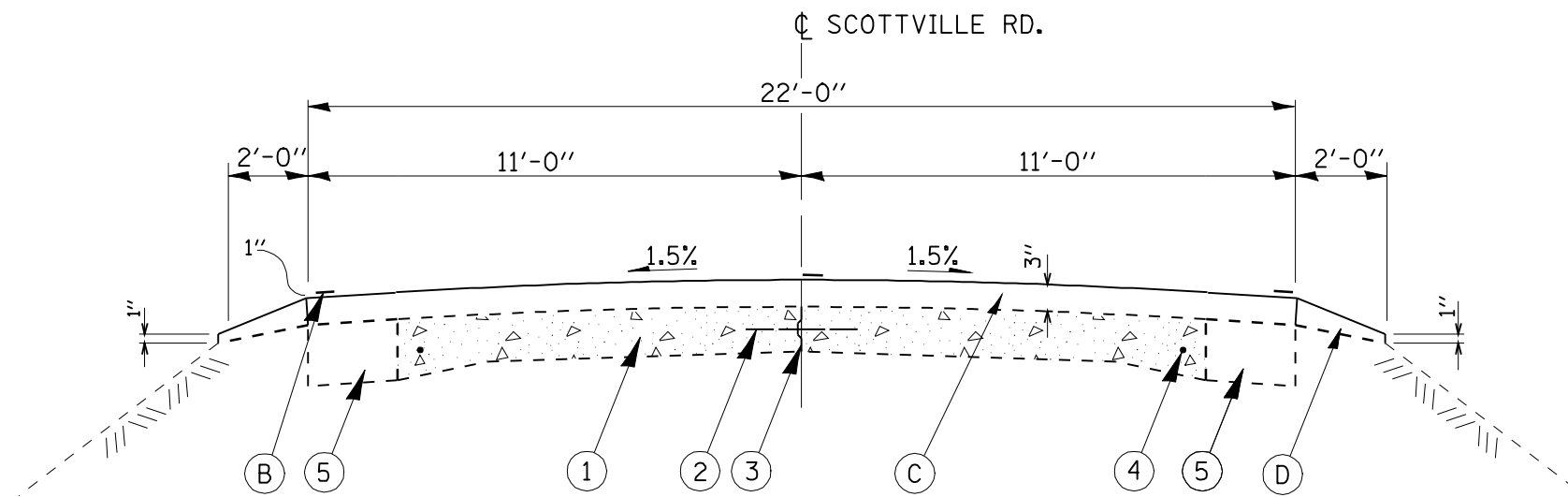


STA. 91+15 TO STA. 340+72

FILE NAME =	USER NAME = laughlinr1	DESIGNED - RTS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL CROSS SECTIONS			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pwwork\pwidot\LAUGHLINRL\0190078\0672045-sh-t-typico1.dgn	DRAWN - RTS	REVISED -	731		(1)I-3	MACOUPIN	18	5				
PLOT SCALE = 40.0000' / IN.	CHECKED - MEB	REVISED -	CONTRACT NO. 72D45									
PLOT DATE = Apr-08-2010 11:59:02AM	DATE - 05-19-09	REVISED -	SCALE:		SHEET NO. 1 OF 2 SHEETS	STA. 91+00	TO STA. 353+76	ILLINOIS FED. AID PROJECT				

LEGEND

- ① EXISTING 9''-6''-9'' P.C.C. PAVEMENT
- ② EXISTING 1/2'' ϕ DEFORMED TIE BAR 4' LONG @ 5' CENTERS
- ③ EXISTING LONGITUDINAL METAL JOINT
- ④ 3/4'' ϕ SMOOTH BAR
- ⑤ EXISTING HMA SHOULDER 9'' (7'' BINDER/ 2'' SURFACE)
- Ⓐ PROPOSED HMA SHOULDERS, 9'', CONSISTING OF:
* HMA SURFACE COURSE, MIX "C", N 50, 2'' DEPTH
* HMA BINDER COURSE, IL-19.0, N50, 7'' DEPTH
- Ⓑ PROPOSED PAINT PAVEMENT MARKING - LINE 5''
- Ⓒ PROPOSED HMA MIXTURE 3'' FOR STABILIZED BASE, CA-7 MIX (PLUS A-1 SEAL COAT)
- Ⓓ PROPOSED AGGREGATE SHOULDERS, TYPE B



STA. 340+72 TO STA. 353+76 (NORTH)
STA. 340+72 TO STA. 353+46 (SOUTH)

FILE NAME =	USER NAME = laughlinr1	DESIGNED - RTS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL CROSS SECTIONS			F.A. RTES.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pwork\pwork\LAUGHLINRL\0190078\0672045-sh-t-typico1.dgn		DRAWN - RTS	REVISED -		SCALE:	SHEET NO. 2 OF 2 SHEETS	STA. 11+66 TO STA. 91+00	731	(1)1-3	MACOUPIN	18	6
PLOT SCALE = 40.0000' / IN.		CHECKED - MEB	REVISED -					CONTRACT NO. 72D45				
PLOT DATE = Apr-08-2010 11:59:04AM		DATE - 05-19-09	REVISED -		ILLINOIS FED. AID PROJECT							

MAINLINE RESURFACING SCHEDULE								
LOCATION	DISTANCE (FOOT)	SURFACE WIDTH (FOOT)	SURFACE AREA (SQ YD)	PROPOSED HMA MIX STABILIZED BASE, CA-7 MIX (3" DEPTH) (TON)	* PROPOSED BITUMINOUS PRIME COAT (TON)	* PROPOSED AGGREGATE PRIME COAT (TON)	CLASS A-1 SURFACE TREATMENT	
							BITUMINOUS MATERIALS (COVER & SEAL COATS) (TON)	SEAL COAT AGGREGATE (TON)
11+95.00 TO 12+55.00	60	21 (AVG)	140.0	23.52	0.05	0.28	0.20	14.0
12+55.00 TO 66+00.00	5,345	24	14,253.3	2,394.55	5.42	28.51	20.31	142.5
66+00.00 TO 91+00.00	2,500	24	6,666.7	1,120.01	2.53	13.33	9.50	66.67
91+00.00 TO 91+15.00	15	24	40.0	6,726.72	0.02	0.08	0.06	0.40
91+15.00 TO 108+00.00	1,685	24	4,493.3	754.87	1.71	9.00	6.40	44.93
108+00.00 TO 150+00.00	4,200	24	11,200.0	1,881.60	4.26	22.40	15.96	112.00
150+00.00 TO 192+00.00	4,200	24	11,200.0	1,881.60	4.26	22.40	15.96	112.00
192+00.00 TO 233+00.00	4,100	24	10,933.3	1,836.79	4.15	21.87	15.60	109.33
233+00.00 TO 276+00.00	4,300	24	11,466.7	1,926.41	4.36	22.93	16.34	114.67
276+00.00 TO 318+00.00	4,200	24	11,200.0	1,881.60	4.26	22.40	15.96	112.00
318+00.00 TO 340+72.00	2,272	24	6,058.7	1,017.86	2.30	12.12	8.63	60.59
340+72.00 TO 340+82.00	10	23 (AVG)	25.6	4.30	0.01	0.05	0.04	0.26
340+82.00 TO 352+86.00	1,204	22	2,943.1	494.44	1.12	5.89	4.19	29.43
352+86.00 TO 353+46.00	60	22	146.7	24.65	0.06	0.29	0.21	1.47
TOTALS =	34,151		90,767.4 SQ YD	15,248.92 TONS	34.51 TONS	181.53 TONS	129.34 TONS	907.67 TONS

* - ADD 0.20 TONS OF BIT. PRIME COAT AND 1.00 TON OF AGG. PRIME COAT FOR SIDEROAD APPLICATION.

HMA SHOULDER SCHEDULE					
LOCATION	DISTANCE (FOOT)	SHOULDER WIDTH (LEFT & RIGHT) (FOOT)	SURFACE AREA (SQ YD)	** PROPOSED HMA SURFACE COURSE, 2" (TON)	** PROPOSED HMA BINDER COURSE, 7" (TON)
11+95.00 TO 12+55.00	60	2 X 2' (AVG)	26.67	2.99	10.45
12+55.00 TO 66+00.00	5,345	2 X 3'	3,563.33	399.09	1,396.83
66+00.00 TO 91+00.00	2,500	2 X 3'	1,666.67	186.67	653.33
91+00.00 TO 91+15.00	15	2 X 2' (AVG)	6.67	0.75	2.61
TOTALS =			5,263.34 SQ YD	589.50 TONS	2,063.22 TONS

** - THE PROPOSED HMA SURFACE COURSE, 2" AND BINDER COURSE, 7" SHALL BE PAID FOR AS HMA SHOULDERS, 9" IN SQ YDS.

AGGREGATE SHOULDER SCHEDULE					
LOCATION	DISTANCE (FOOT)	SHOULDER WIDTH (LEFT & RIGHT) (FOOT)	SURFACE AREA (SQ FT)	*** VOLUME (CU YD)	PROPOSED AGGREGATE SHOULDERS, TYPE B (TON)
11+95.00 TO 12+55.00	60	2 X 2' (AVG)	240.00	1.48	3.03
12+55.00 TO 340+72.00	32,817	2 X 3'	196,192.00	1,211.06	2,482.67
340+72.00 TO 340+82.00	10	2 X 2.5' (AVG)	50.00	0.31	0.64
340+82.00 TO 353+46.00, RT	1,264	2'	2,528.00	15.61	31.99
340+82.00 TO 353+76.00, LT	1,294	2'	2,588.00	15.98	32.75
			201,598.00 SQ FT	1,244.44 CU YD	2,551.08 TONS
					2,527.08 TONS ***

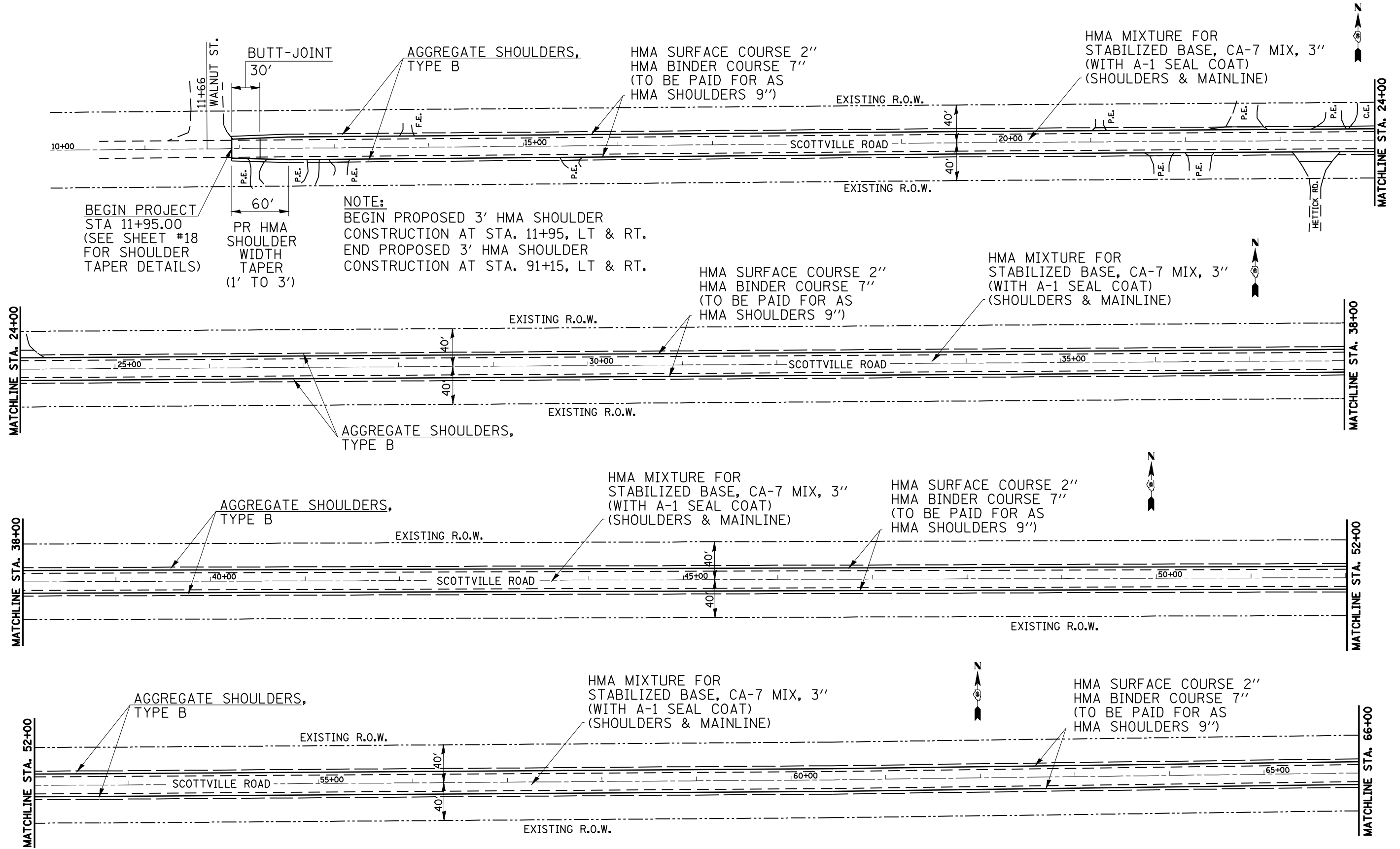
*** - THE PROPOSED AVERAGE THICKNESS FOR AGGREGATE SHOULDERS USED WAS 2".

**** - THE FINAL QUANTITY ALLOWS FOR SIDEROAD DEDUCTIONS (24.00 TONS).

SIDEROADS/ENTRANCE SCHEDULE

STATION	TYPE	EXISTING SURFACE	ENTRANCE WIDTH AT EOP (FOOT)	PROPOSED 8' APRON, INCIDENTAL HMA SURFACE COURSE, 3 1/2" DEPTH (SQ YD)	PROPOSED 3' APRON, HMA MIX STABILIZED BASE, CA-7 MIX (3 1/2" DEPTH) (SQ YD)	PROPOSED 10' APRON, HMA MIX STABILIZED BASE, CA-7 MIX (3" DEPTH) (SQ YD)	PROPOSED 10' APRON, HMA MIX STABILIZED BASE, CA-7 MIX (6" DEPTH) (SQ YD)	PREPARATION OF BASE (SQ YD)	BITUMINOUS MATERIALS (COVER & SEAL COATS) (TON)	SEAL COAT AGGREGATE (TON)	* TEMPORARY RAMP (SQ YD)
12+16.86	RT	PE	20		6.2			6.2			
12+75.69	RT	PE	16		5.3			5.3			
13+05.92	RT	PE	20		6.3			6.3			
13+80.00	LT	FE	NO WORK								
15+49.56	RT	PE	14.5		4.6			4.6			
21+10.85	LT	PE	47.5		15.2			15.2			
21+74.10	RT	PE	32.5		10.2			10.2			
22+13.94	RT	PE	28		9.1			9.1			
22+59.94	LT	PE	50		16.0			16.0			
23+36.97	RT	HETTICK ROAD	O/C	88.5		77.8			.11	.78	40.0
23+56.69	LT	PE	16.5		5.4			5.4			
23+96.07	LT	PE	55		17.8			17.8			
75+78.63	LT	CRUM ROAD	O/C	80		76.9			.11	.77	40.0
75+78.63	RT	FE	AGG	NO WORK							
88+57.83	RT	FE	AGG	NO WORK							
89+84.18	LT	FE	AGG	NO WORK							
95+11.23	RT	PE	AGG	43	13.3			13.3			
98+94.57	LT	PE	AGG	36	11.4			11.4			
106+10.49	RT	PE	AGG	43	13.3			13.3			
121+20.11	LT	PE	AGG	51	16.3			16.3			
122+46.70	RT	PE	AGG	43	13.5			13.5			
128+00.00	LT	PE	AGG	34	10.3			10.3			
128+83.72	LT	PE	BIT	24	20.4			20.4			
129+09.39	LT	FE	AGG	NO WORK							
134+44.50	LT	FE	AGG	NO WORK							
136+00.00	RT	FE	AGG	NO WORK							
137+03.15	LT	PE	AGG	51	16.3			16.3			
141+11.68	LT	PE	AGG	52	16.5			16.5			
155+76.61	LT	SIDE RD 525EN	O/C	52		49.4			.07	.49	35.0
155+76.61	RT	SIDE RD 525ES	O/C	45		40.6			.06	.41	30.0
169+11.90	LT	FE	AGG	NO WORK							
181+52.56	RT	PE	AGG	24	7.3			7.3			
182+44.83	RT	WATER TOWER RD.	AGG	33			28.4	28.4	.04	.28	30.0
182+32.52	LT	FE	AGG	NO WORK							
193+65.58	RT	PE	AGG	55	17.2			17.2			
194+44.75	RT	PE	AGG	33	10.3			10.3			
195+27.96	RT	PE	AGG	37	11.8			11.8			
206+23.05	RT	PE	AGG	29	9.3			9.3			
213+57.60	LT	PE	AGG	31	9.9			9.9			
235+51.29	LT	BOB WHITE ROAD	AGG	43			45.0	45.0	.06	.45	35.0
244+28.11	LT	PE	AGG	29	9.3			9.3			
255+14.72	RT	PE	AGG	20	6.2			6.2			
261+84.88	LT	FAIRVEIW FARM RD.	O/C	44		47.2			.07	.47	35.0
261+84.88	RT	FAIRVEIW FARM RD.	O/C	40		42.8			.06	.43	35.0
299+20.97	RT	PE	AGG	48	15.2			15.2			
301+18.38	LT	STALEY RD.	AGG	66			66.1	66.1	.09	.66	40.0
330+27.67	RT	PE	AGG	105	33.7			33.7			
341+00.00	LT	PE	AGG	29	9.3			9.3			
342+00.00	LT	PE	AGG	35	11.3			11.3			
343+16.34	LT	WEST ST.	O/C	30		31.7			.05	.32	30.0
343+16.34	RT	WEST ST.	O/C	40		33.3			.05	.33	30.0
344+52.54	RT	PE	AGG	27	8.3			8.3			
346+27.04	RT	WALNUT ST.	O/C	40		41.7			.06	.42	35.0
346+27.04	LT	PE	AGG	29	9.3			9.3			
347+30.38	LT	PE	AGG	29	9.5			9.5			
348+33.05	LT	PE	BIT	22	18.2			18.2			
349+46.62	LT	PE	AGG	26	7.8			7.8			
349+53.15	RT	LOCUST ST.	O/C	32		33.9			.05	.34	30.0
351+08.89	LT	PE	AGG	33	10.3			10.3			
351+63.64	RT	PE	AGG	28	8.8			8.8			
352+65.96	RT	SIDE ROAD	O/C	40		41.7			.06	.42	30.0
GRAND TOTALS =				38.6 SQ YD =7.6 TONS	411.6 SQ YD =80.7 TONS	517.0 SQ YD =86.9 TONS	139.5 SQ YD =46.9 TONS	589.9 SQ YD	0.94 TONS	6.57 TONS	475.0 SQ YD

* - ADD 25 SQ YD FOR BEGIN & END OF FAS 731 (TOTAL = 500 SQ YD)



BEGIN PROJECT
STA 11+95.00
(SEE SHEET #18
FOR SHOULDER
TAPER DETAILS)

60'
PR HMA
SHOULDER
WIDTH
TAPER
(1' TO 3')

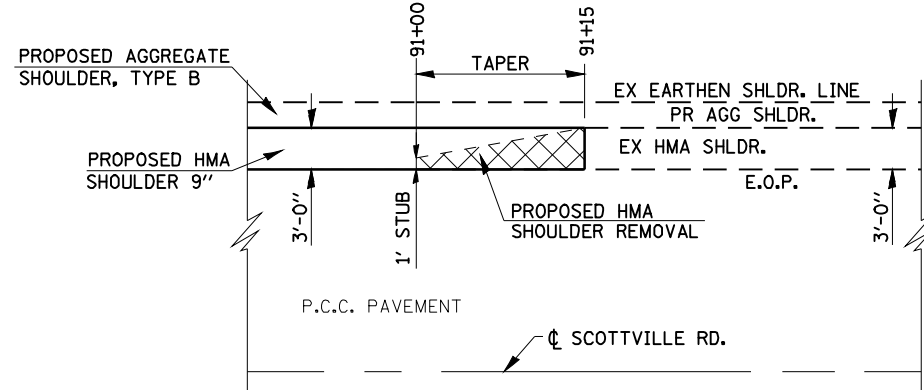
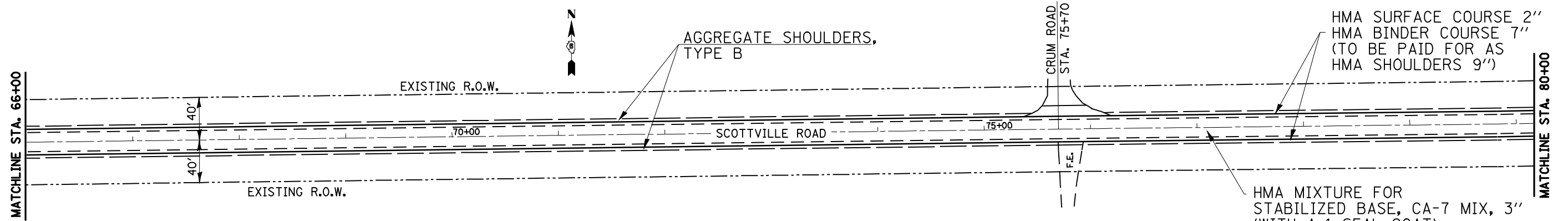
NOTE:
BEGIN PROPOSED 3' HMA SHOULDER
CONSTRUCTION AT STA. 11+95, LT & RT.
END PROPOSED 3' HMA SHOULDER
CONSTRUCTION AT STA. 91+15, LT & RT.

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED - RTS 3-29-10
e:\pwork\pwork\LAUGHLINRL\0190078\0672045-sht-plan.dgn		DRAWN -	REVISED -
PLOT SCALE = 100.0002' / IN.		CHECKED -	REVISED -
PLOT DATE = Apr-08-2010 01:56:28PM		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN LAYOUT	
SCALE:	SHEET NO. 1 OF 8 SHEETS STA. TO STA.

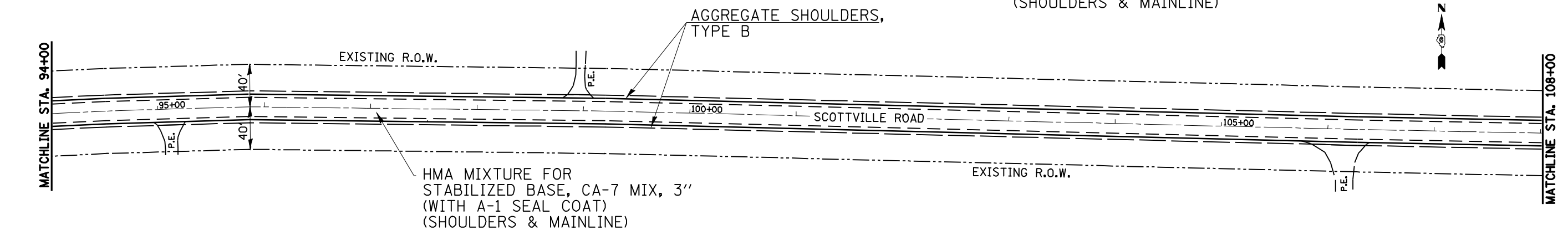
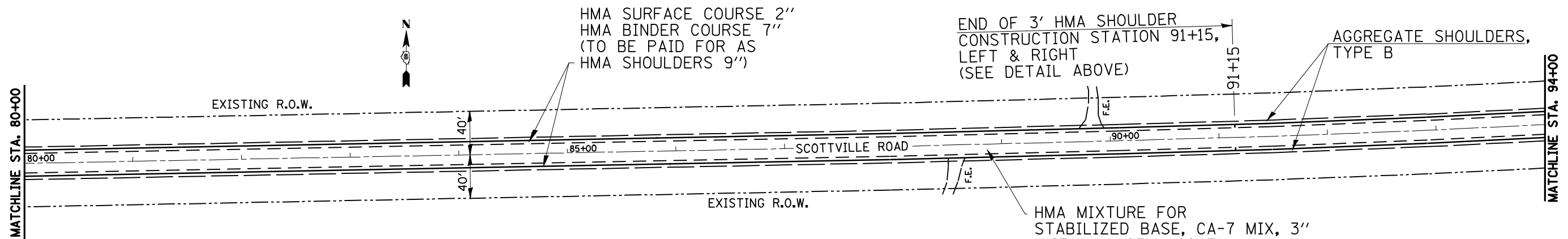
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
731	(1)1-3	MACOUPIN	18	9
CONTRACT NO. 72D45				
ILLINOIS FED. AID PROJECT				



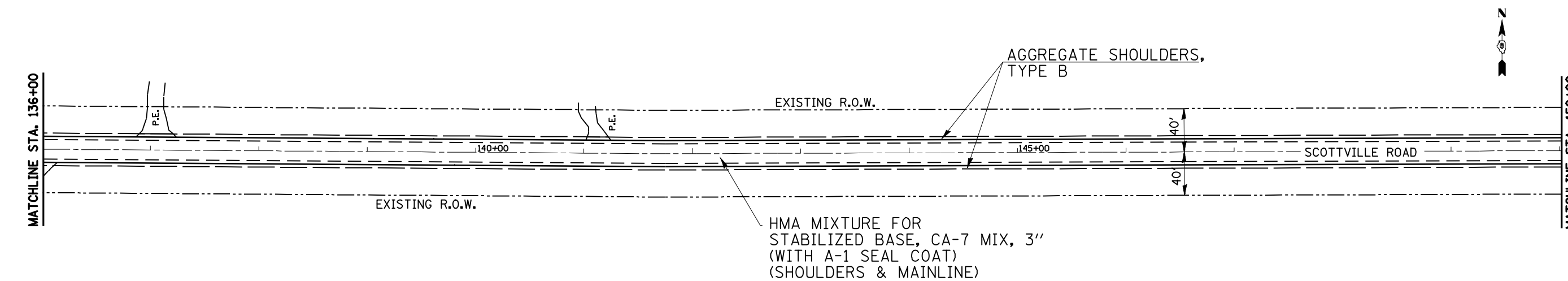
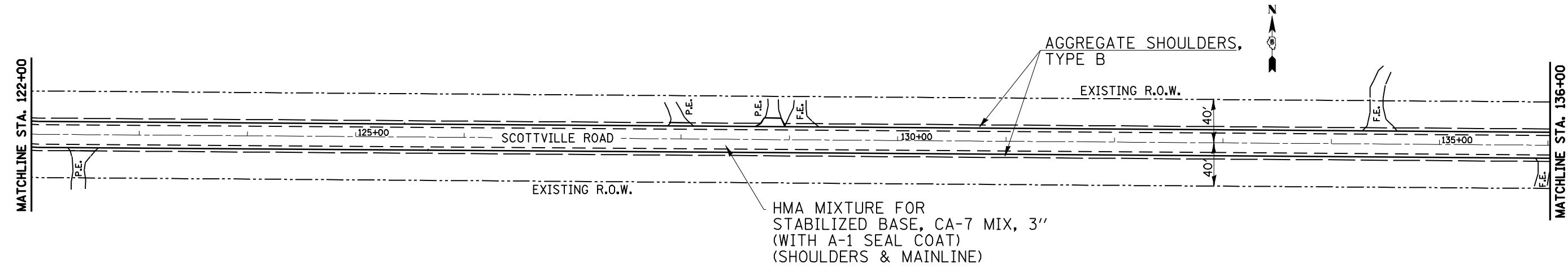
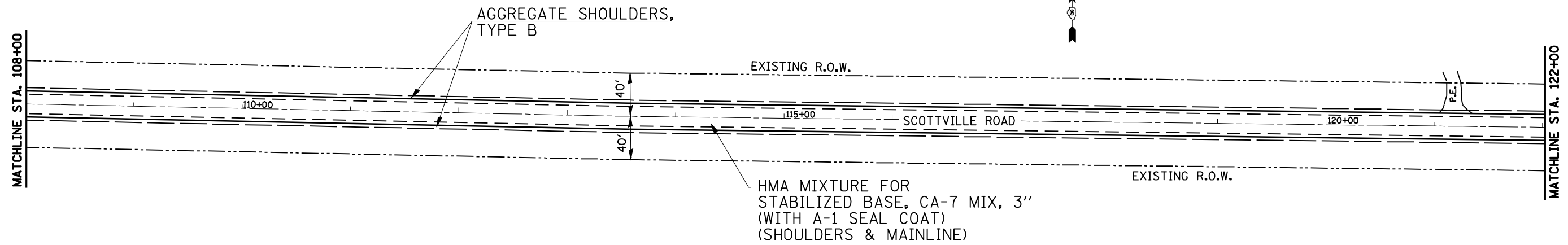
TAPER DETAIL FOR PROPOSED HMA SHOULDERS (LEFT AND RIGHT)

NOTES:

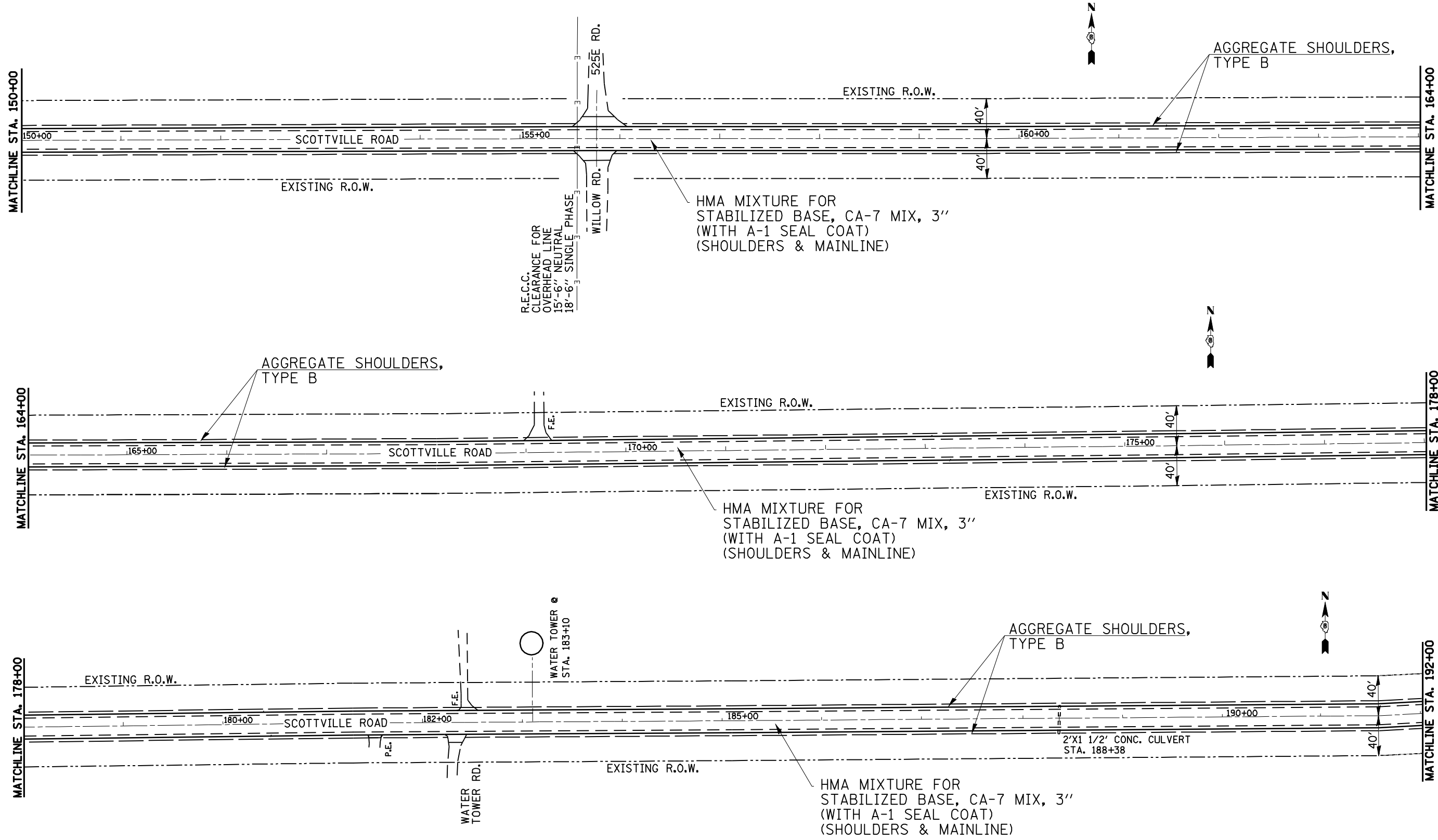
- 1) EXISTING HMA SHOULDER TAPER TO BE REMOVED (STA 91+00 TO 91+15)
- 2) ALL WORK NEEDED TO REMOVE EXISTING TAPER IS TO BE INCLUDED UNDER THE PAY ITEM FOR EXCAVATING AND GRADING EXISTING SHOULDER AND IN ACCORDING WITH SECTION 440 OF THE STANDARD SPECIFICATIONS
- 3) HMA SHOULDERS REMOVAL = +/-3.3 SQ YD.



FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED - RTS 3-29-10	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN LAYOUT			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 100.0002' / IN.	CHECKED -	REVISED -	REVISED -		SCALE: SHEET NO. 2 OF 8 SHEETS STA. TO STA.			CONTRACT NO. 72D45				
PLOT DATE = Apr-08-2010 11:59:12AM	DATE -	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT							



FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED - RTS 3-29-10	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN LAYOUT			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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		CHECKED -	REVISED -		CONTRACT NO. 72D45								
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

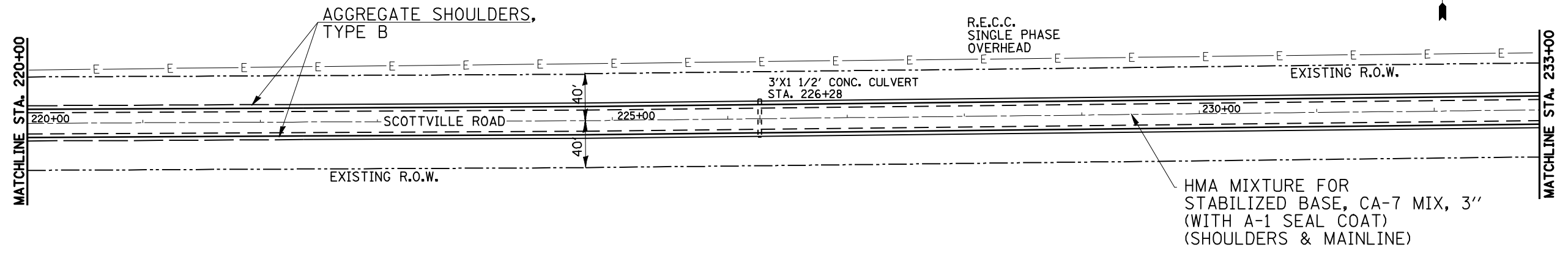
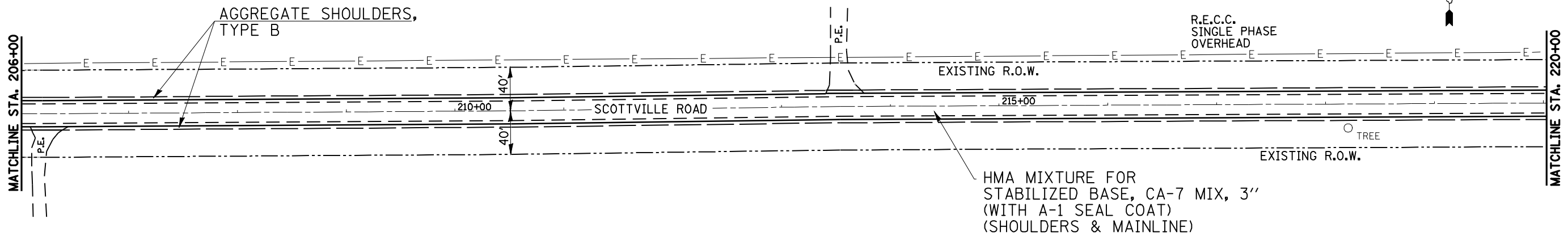
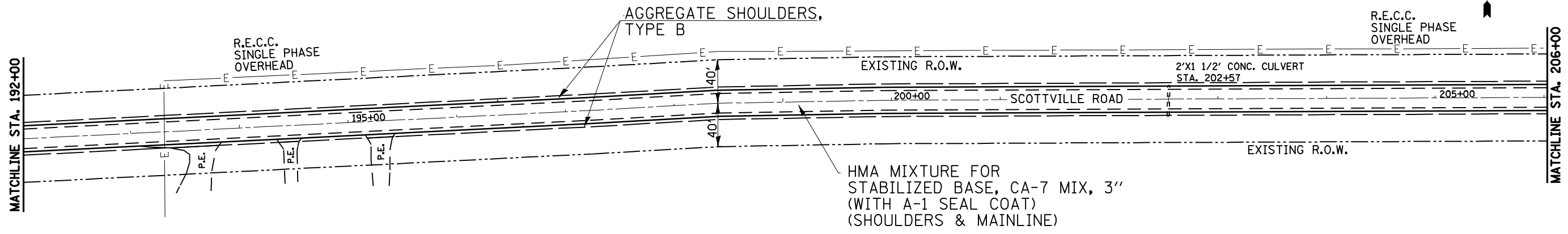


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		CHECKED -	REVISED -
		DATE -	REVISED -
	PLOT DATE = Apr-08-2010 01:56:30PM		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

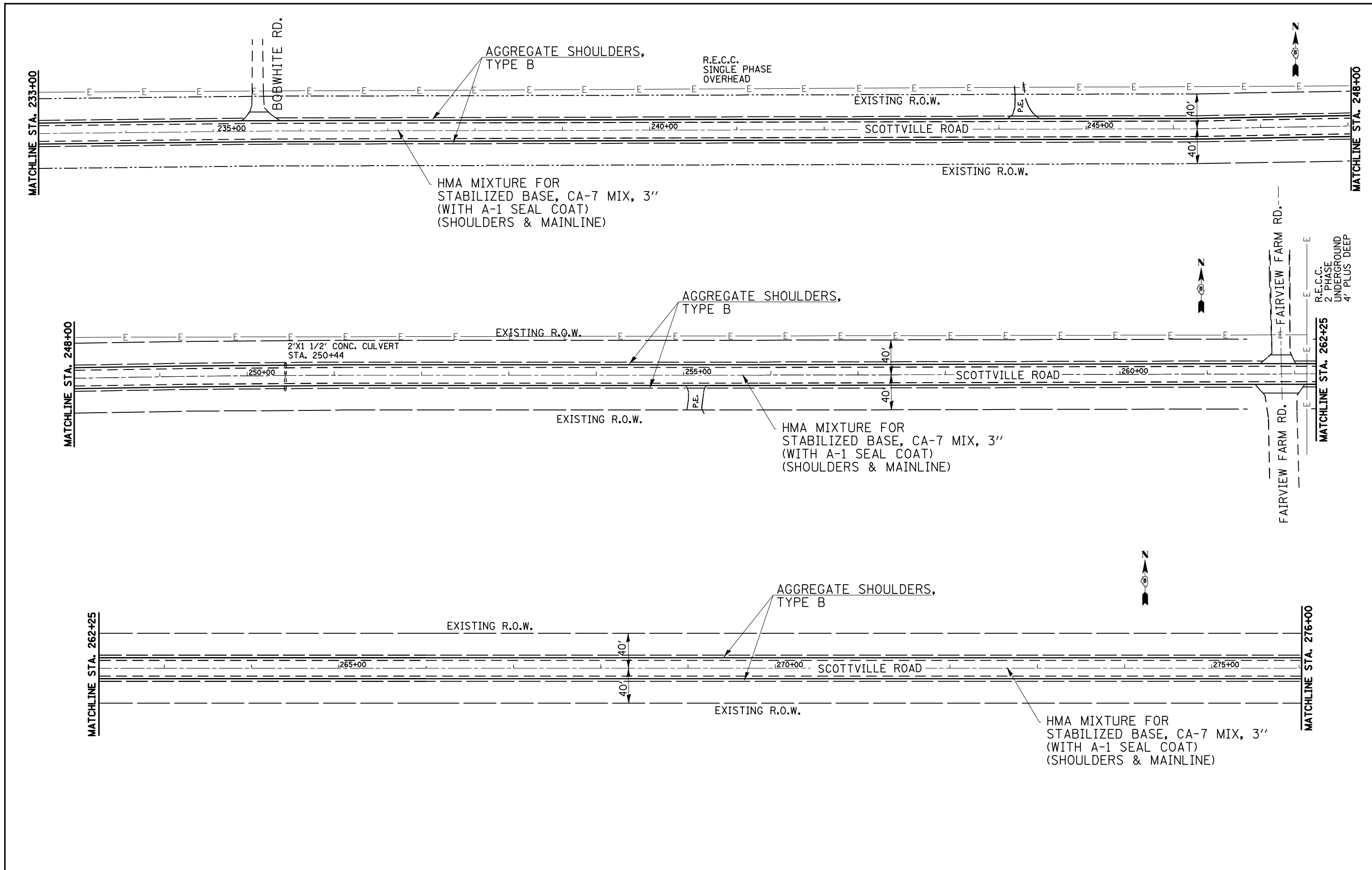
PLAN LAYOUT			
SCALE:	SHEET NO. 4 OF 8 SHEETS	STA.	TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
731	(1)1-3	MACOUPIN	18	12
CONTRACT NO. 72D45			ILLINOIS FED. AID PROJECT	

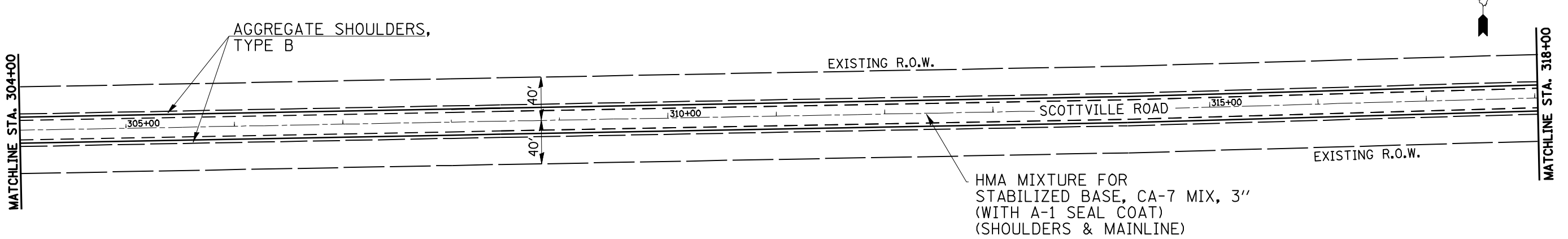
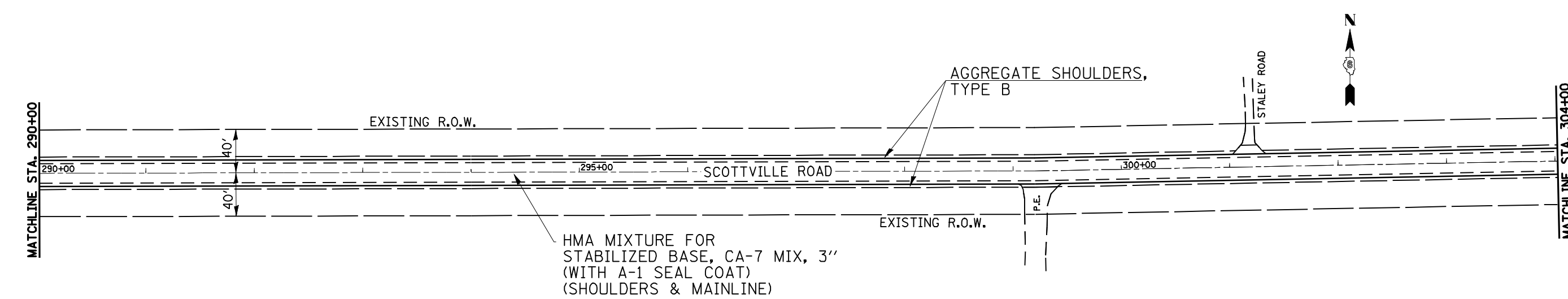
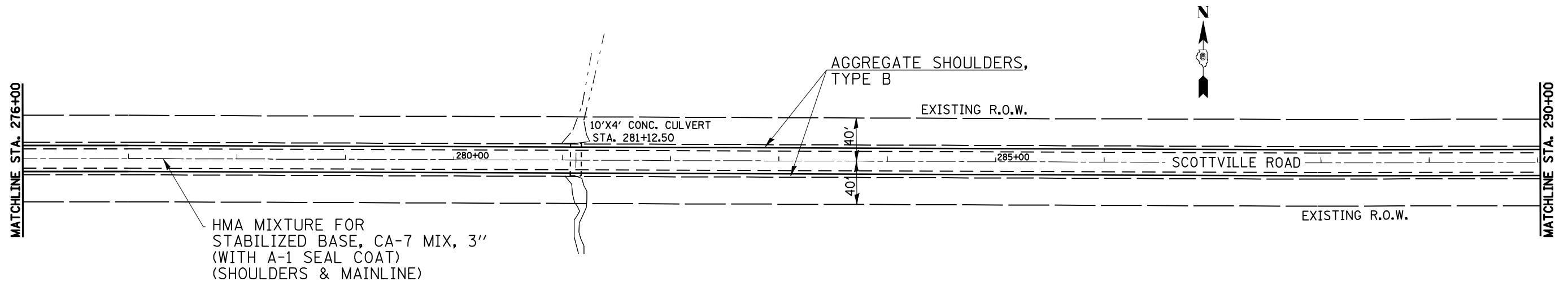


PRANK WOOD
PLAN LAYOUT

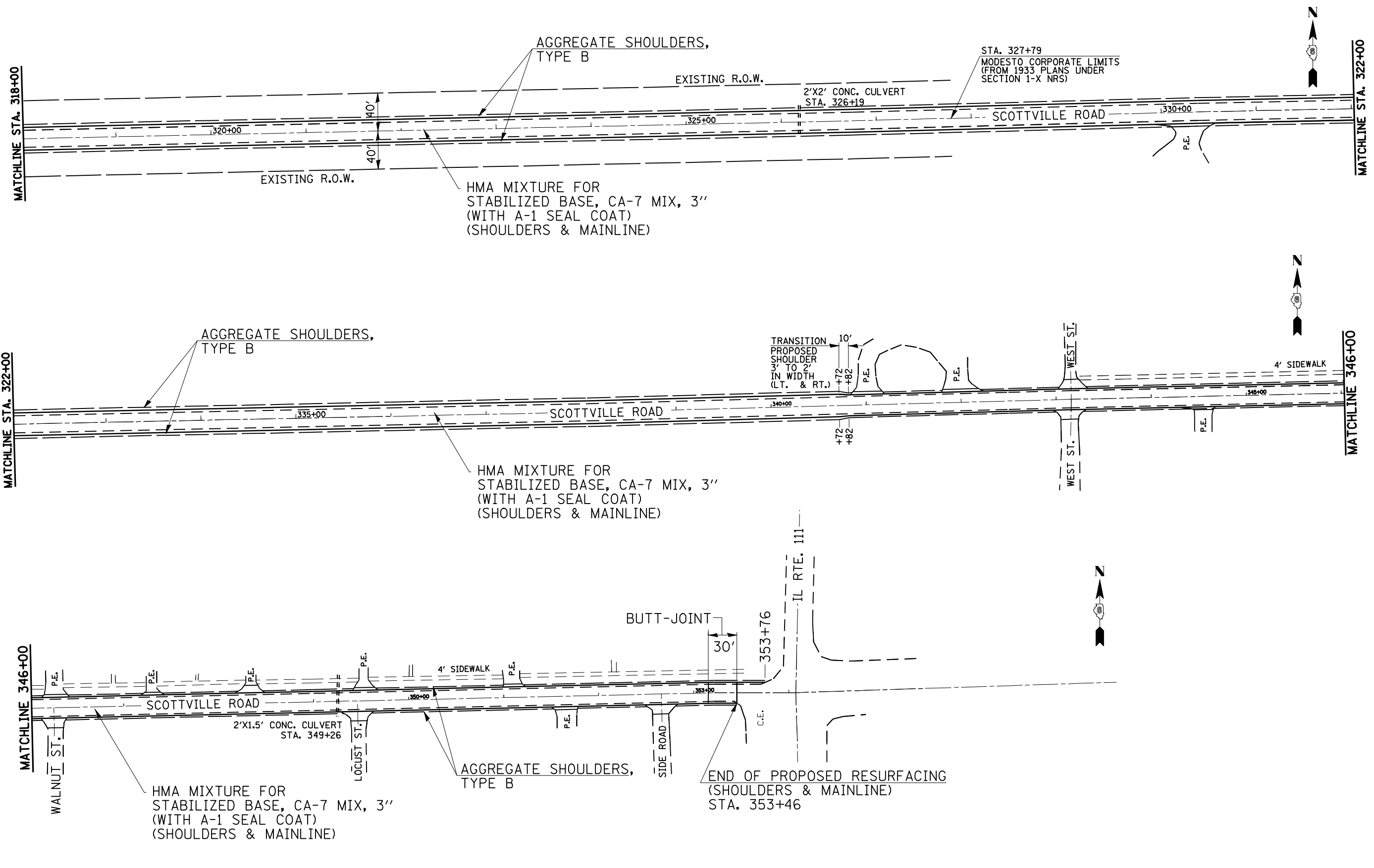
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es:\pwwork\pwwid\LAUGHLINR1\0190078\0672045-sht-plan.dgn		DRAWN -	REVISED -		731	(1)1-3	MACOUPIN	18	13			
PLOT SCALE = 100.0002' / IN.		CHECKED -	REVISED -		SCALE: SHEET NO. 5 OF 8 SHEETS STA. 192+00 TO STA. 233+00			CONTRACT NO. 72D45				
PLOT DATE = Apr-08-2010 11:59:19AM		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



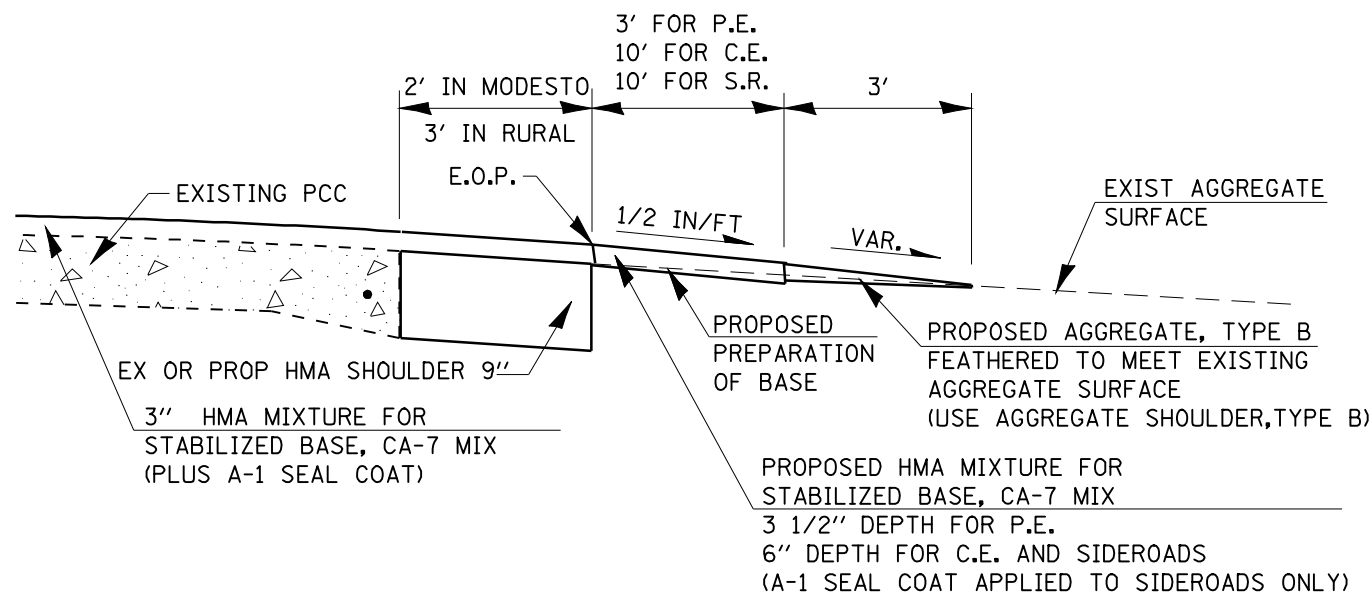
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er\pwork\PWIDOT\LAUGHLINRL\0190078\0672045-sht-plan.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO. 6 OF 8 SHEETS	STA.	TO STA.	731	(1)1-3	MACOUPIN	18	14
		CHECKED -	REVISED -								CONTRACT NO. 72D45		
		DATE -	REVISED -								ILLINOIS FED. AID PROJECT		



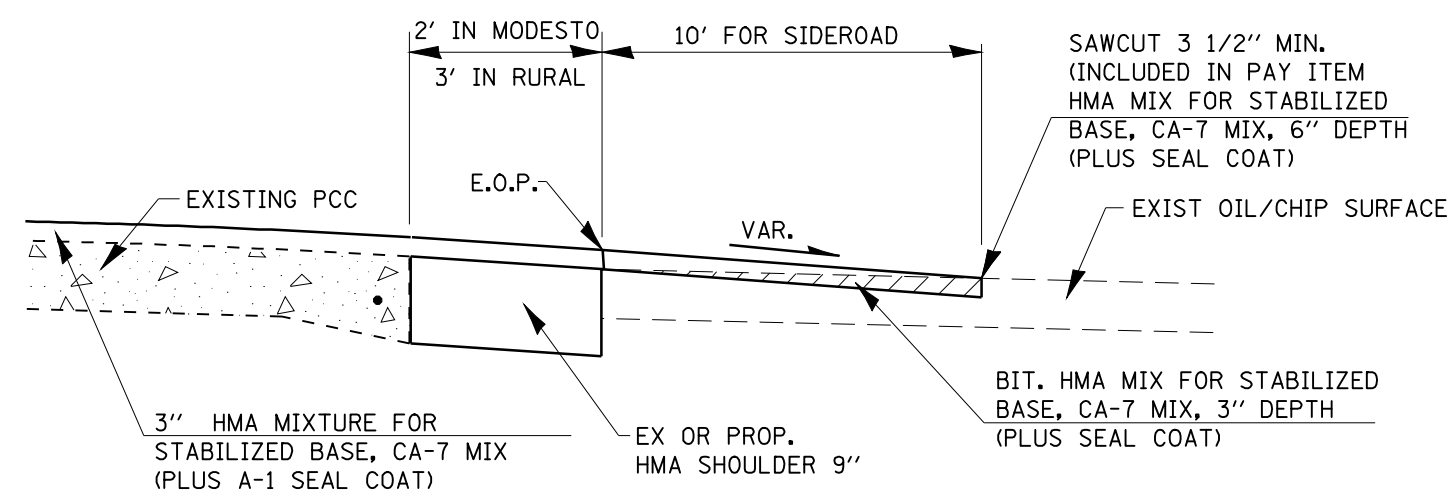
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er:\pwork\pwidot\LAUGHLINRL\0190078\0672D45-sht-plan.dgn		DRAWN -	REVISED -				731	(1)1-3	MACOUPIN	18	15		
PLOT SCALE = 100.0002' / IN.		CHECKED -	REVISED -						CONTRACT NO. 72D45				
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	PLOT SCALE = 100.0002' / IN.	CHECKED -	REVISED -		SCALE:	SHEET NO. 8 OF 8 SHEETS	STA.	TO STA.	731	(1)1-3	MACOUPIN	18
PLOT DATE = Apr-08-2010 11:59:25AM	DATE -	REVISED -	REVISED -				CONTRACT NO. 72D45			ILLINOIS FED. AID PROJECT		

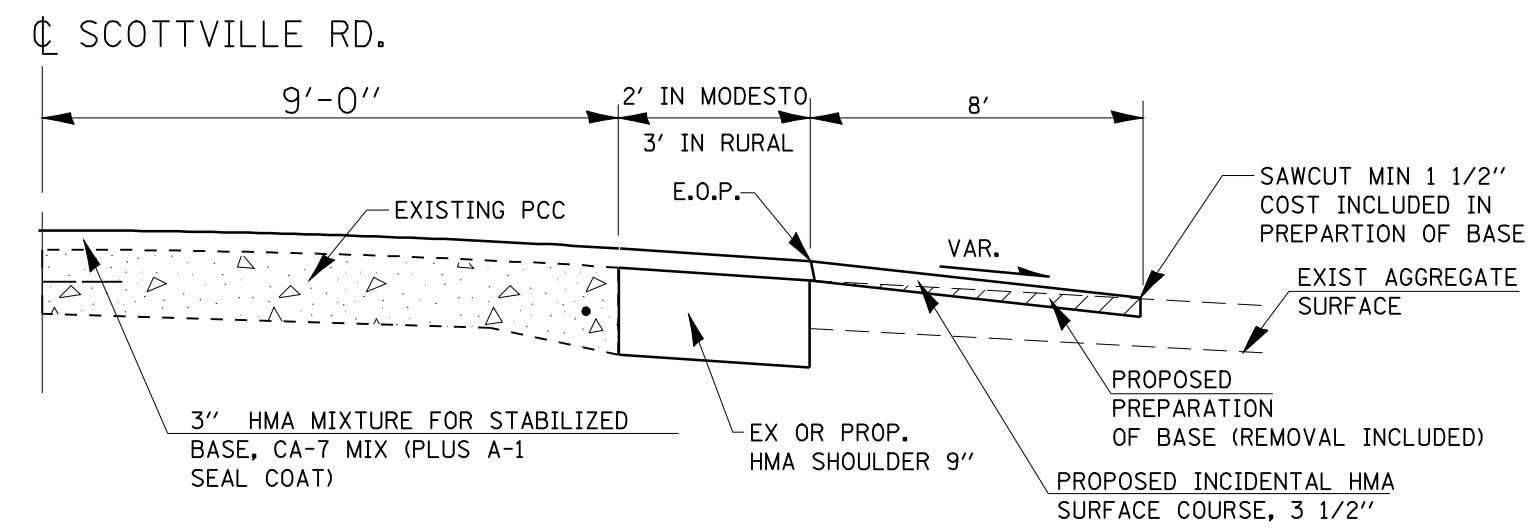


EXISTING AGGREGATE ENTRANCES AND SIDEROADS

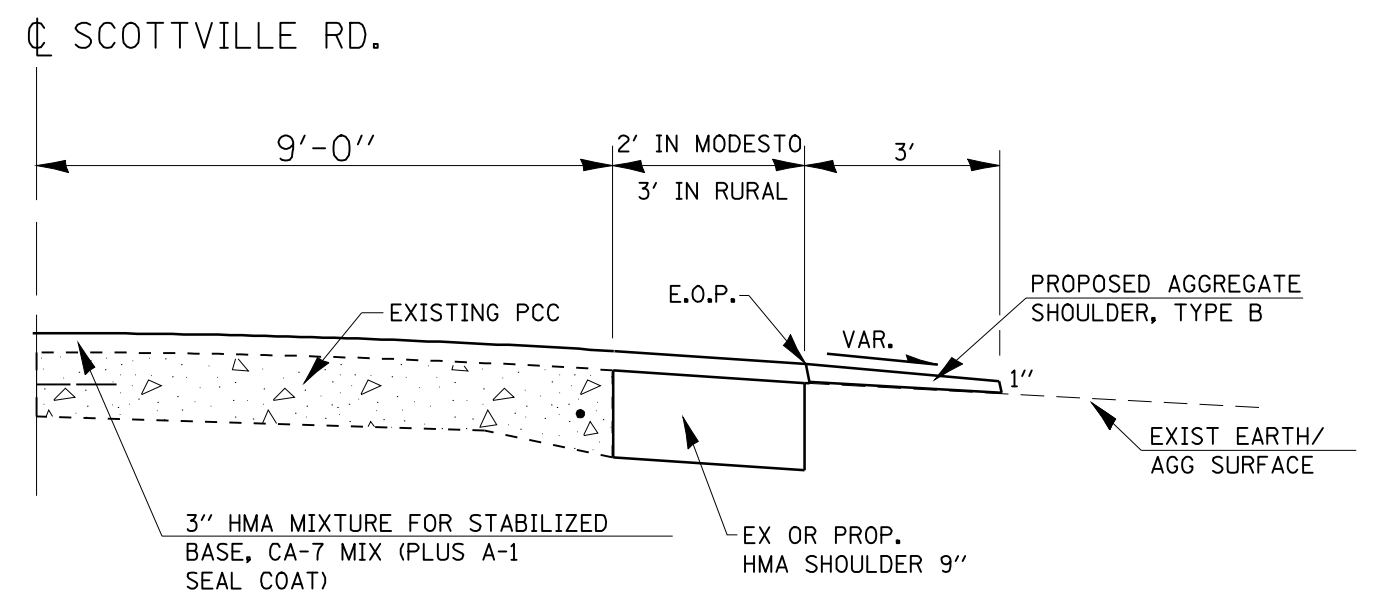


EXISTING OIL/ CHIP SIDEROADS

NOTE:
REMOVAL OF OIL/CHIP MATERIAL IS INCLUDED IN THE COSTS FOR PROPOSED HMA SURFACE TREATMENT.

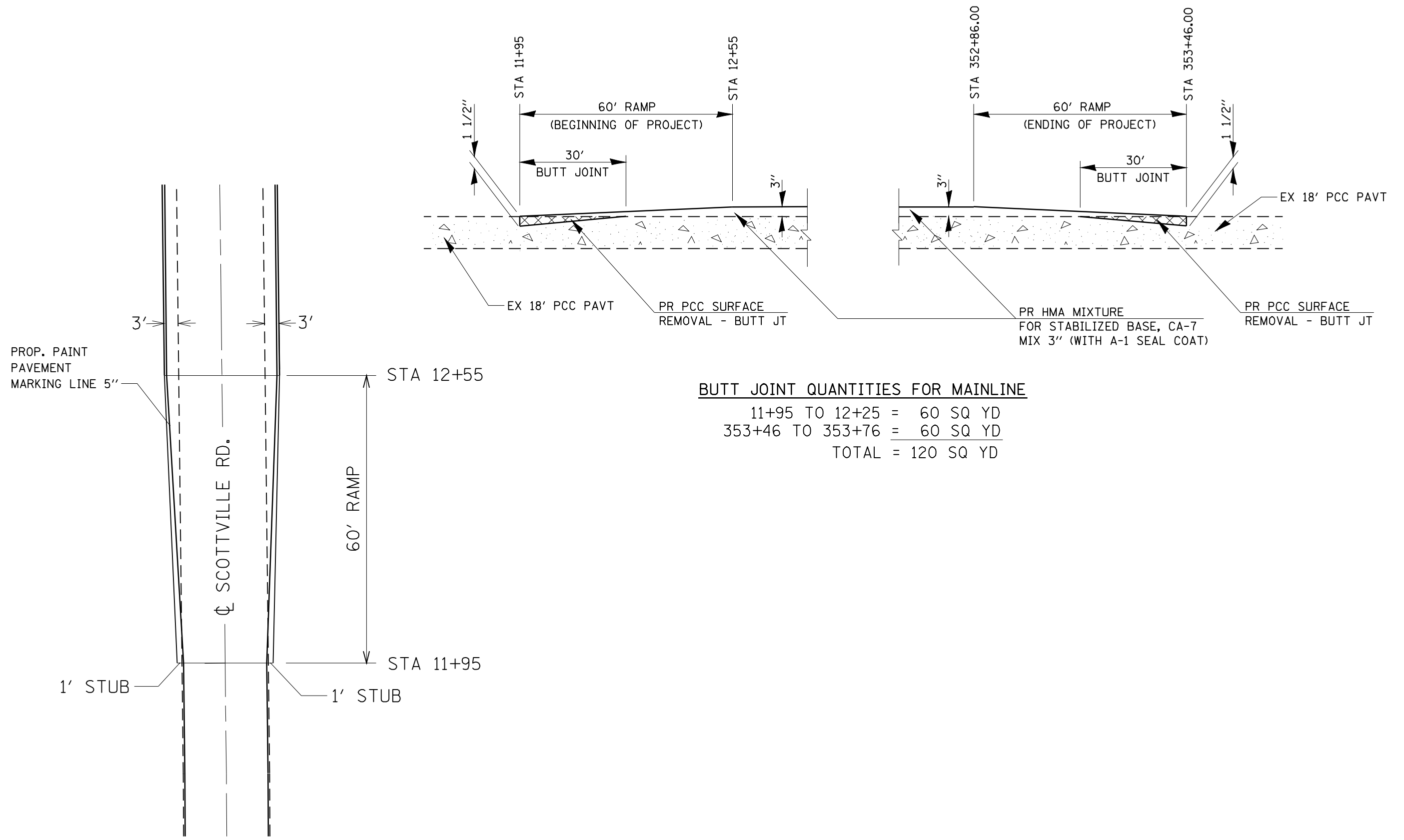


EXISTING HMA P.E. ENTRANCES



EXISTING EARTH / AGGREGATE FIELD ENTRANCES

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIDEROAD/ENTRANCE DETAIL				F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = Apr-08-2010 11:59:27AM		DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			



BUTT JOINT QUANTITIES FOR MAINLINE

11+95 TO 12+25	=	60 SQ YD
353+46 TO 353+76	=	60 SQ YD
		TOTAL = 120 SQ YD

SHOULDER TAPER DETAIL