01-15-2021 LETTING ITEM 137

- INDEX OF SHEETS 1 Cover Sheet
- 2 Location Map and Straight Line Diagram
- 3 Summary of Quantities, General notes
- 4-6 Typical Cross Sections
- 7-8 Schedules
- 9-13 Details

STANDARDS

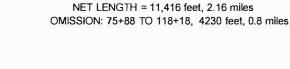
701201-05, Ln Closure2L, 2W, DayOnly ≥ 45MPH 701306-04, Ln Closure,2L,2W, Move Op Day ≥ 45 701311-03, Ln Closure 2L, 2W, Move op Day Only 701901-08, Traffic Ctrl. Devices 780001-05, Typical Pavement Markings B.L.R. 24-2, Mailbox Turnout for Local Roads

Location: CH-24, Rae's Bridge Road

ADT: 2450

Functional Classificatiuon: Major Colector

Design Speed: 55 mph



TOTAL LENGTH = 15,646 feet, 2.96 miles



	APPROVED:	/
		4
_		
	PASSED:	
Rei	easing For Bid Based On Limited Review:	

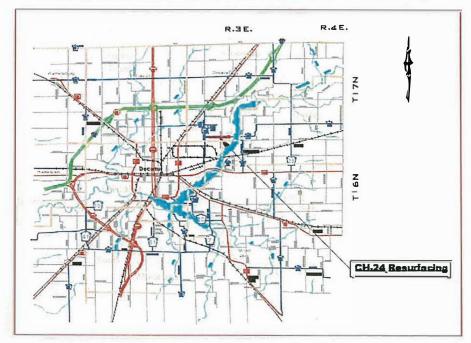
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION **DIVISION OF HIGHWAYS**

PLANS FOR THE PROPOSED **IMPROVEMENT OF FEDERAL AID SECONDARY ROUTE STR FUNDS**

Section Number 20-00300-00-RS Job Number C-97-108-21

> Project Number DKNM(748) Contract Number 95880

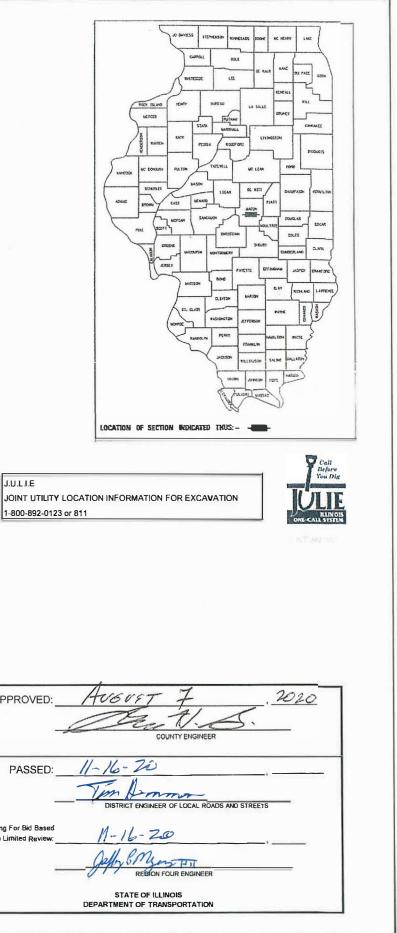
FAU 7355/1544 (CH-24) RESURFACING PROJECT MACON COUNTY, ILLINOIS

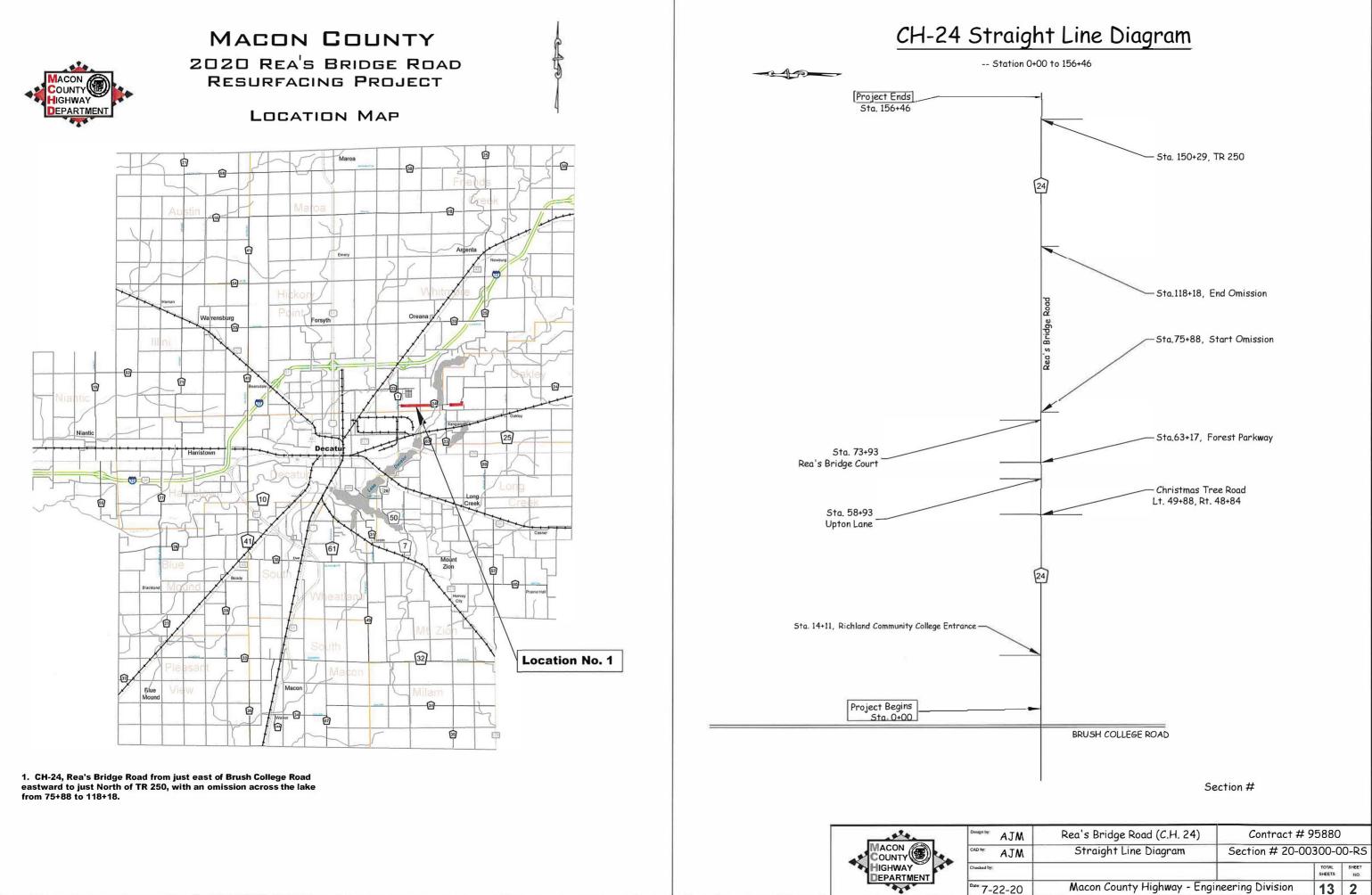


J.U.L.I.E 1-800-892-0123 or 811

EPARTMENT

Total Sheets = 13





Date: 7-22-20

SUMMARY OF OUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTIT
	40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	24
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	22870
1	40600982	HOT-MIX ASPHALT SURFACE REMOVAL- BUTT JOINT	SQ YD	686
	40602985	HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70	TON	2856
	40604052	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	TON	3850
1	40800029	BITUMINOUS MATERIALS (TACK COAT)	POUND	1416
*	40800050		TON	454
	48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	. 1202
	60266600	VALVE BOXES TO BE ADJUSTED	EACH	4
	67100100	MOBILIZATION	L SUM	1
-	70300100	SHORT TERM PAVEMENT MARKING	FOOT	2290
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	380
	78000100	THERMOPLASTIC PAVEMENT MARKING-LETTERS AND SYMBOLS	SQ FT	93.6
	78000200	THERMOPLASTIC PAVEMENT MARKING-LINE 4"	FOOT	2948
	78000600	THERMOPLASTIC PAVEMENT MARKING-LINE 12"	FOOT	270
	78000650	THERMOPLASTIC PAVEMENT MARKING-LINE 24"	FOOT	32
	78001110	PAINT PAVEMENT MARKING-LINE 4"	FOOT	34813
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	73
	X4820110	HOT-MIX ASPHALT SHOULDER REMOVAL AND REPLACEMENT (SPECIAL)	SQ YD	973
	X7010216	TRAFFIC CONTROLAND PROTECTION, (SPECIAL)	L SUM	1
	Z0004542	HOT-MIX ASPHALT SURFACE REMOVAL (SPECIAL)	SQ YD	718
	Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	13505
	Z0070100	SURVEY MONUMENT COVER ASSEMBLY	EACH	1

A SPECIALTY ITEMS

GENERAL NOTES

- 1. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED AS DIRECTED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.
- 2. ACCESS TO ALL ENTRANCES SHALL BE MAINTAINED AT ALL TIMES.
- 3. WHEREVER IN THE PLANS OR SPECIFICATIONS THE TERM STANDARD SPECIFICATION IS USED, IT SHALL BE UNDERSTOOD BY THE CONTRACTOR TO MEAN THE STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION AS PREPARED BY THE DEPARTMENT OF TRANSPORTATION OF THE STATE OF ILLINOIS AND ADOPTED APRIL 1, 2016.
- 4. THE CONTRACTOR SHALL TAKE REASONABLE PRECAUTIONS TO PROTECT PUBLIC AND PRIVATE PROPERTY. IF AT ANY TIME THE CONTRACTOR DAMAGES OR DESTROYS PUBLIC OR PRIVATE PROPERTY, THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, RESTORE SUCH PROPERTY TO A CONDITION EQUAL TO THAT EXISTING BEFORE SUCH DAMAGE.
- 5. IN ADDITION TO FIELD SURVEYS AND ARIAL SURVEYS, PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING FACILITIES 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 CUASE 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.
- 6. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE LIST OF STANDARDS INCLUDED IN THESE PLANS.
- 7. DRAWINGS AND DETAILS ARE ASSUMED NOT TO SCALE UNLESS OTHERWISE NOTED.
- 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATION.
- 9. ANY DAMAGE TO THE UNDERGROUND FACILITIES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTOR'S EXPENSE. INCLUDING TEMPORARY REPAIRS WHICH MAY BE REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMENANT REPAIRS. UTILITY ADJUSTMENTS SHALL BE MADE BY THE UTILITY COMPANIES UNLESS OTHERWISE NOTED.

RATES OF APPLICATION

	RATE
HMA BINDER AND SURFACE COURSE	112 LBS/IN/SQ YD
AGGREGATE SHOULDER WEDGE TY B	2.05 TONS/CU YD
BITUMINOUS MATERIAL TACK COAT (40600290)	.025 & .05 LBS/SF
BITUMINOUS MATERIAL TACK COAT (40800029)	.05 lbs/sf

. at 20 .	AJM	Rea's Bridge Road (Cl
MACON COUNTY	АЈМ	Summary of Quanti [.]
HIGHWAY	Checked Bri	& General Notes
	³¹⁰⁰ 7/31/2020	Macon County Highwa

tities	Section # 20-00	0-00	D-RS
es		TOTAL	SHEET NO.
way - Enginee	ring Division	ынеетs 13	<u> </u>

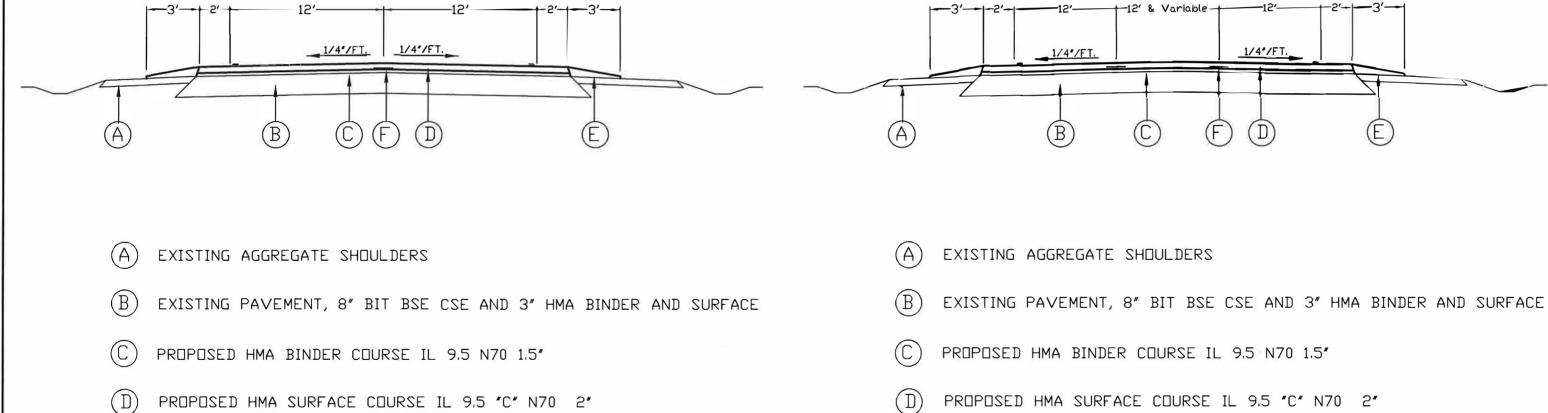
PROPOSED TYPICAL CROSS SECTION

REA'S BRIDGE ROAD

CH-24

0+00 to 8+84

8+84 to 17+60



(E)

(F)

- (E)PROPOSED AGGREGATE SHOULDERS, WEDGE
- (F)PROPOSED LONGITUDINAL JOINT SEAL



PROPOSED AGGREGATE SHOULDERS, WEDGE

PROPOSED LONGITUDINAL JOINT SEAL

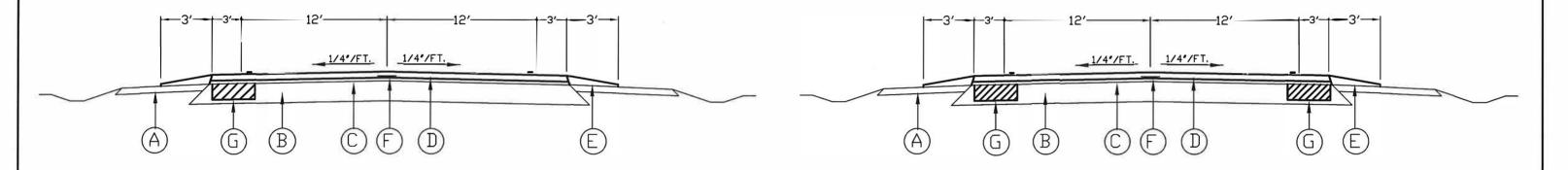
ale.	Designey AJM	Rea's Bridge Road (C.H. 24)	Contract #	95880	
ACON OUNTY	CADBY AJM	Typical Cross Sections	Section # 20-00		0-R5
GHWAY	Createrly			TOTAL DHEETS	SHORT NO
	7-22-20	Macon County Highway - Engin	eering Division	13	4

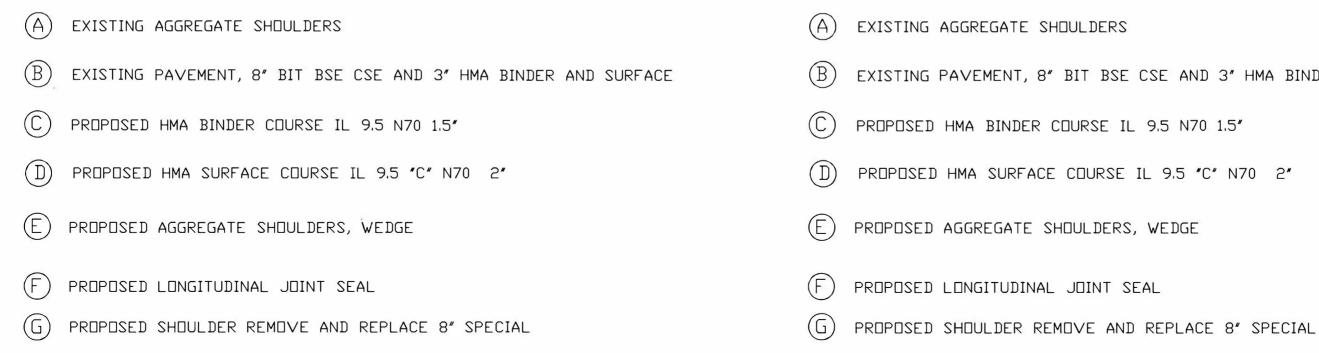
PROPOSED TYPICAL CROSS SECTION REA'S BRIDGE ROAD

CH-24

17+60 to 23+35

23+35 to 34+88







ACON	Designity AJM	Rea's Bridge Road (C.H. 24)	Contract # 95880		
	AJM	Typical Cross Sections	Section # 20-00300-00		0-RS
GHWAY	Desked by			TOTAL SHEETS	DIELET NO
EPARTMENT	7-22-20	Macon County Highway - Engineering D		13	5

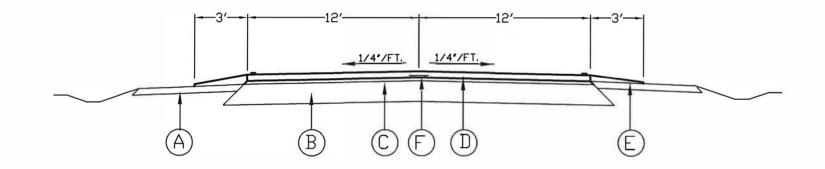
EXISTING PAVEMENT, 8" BIT BSE CSE AND 3" HMA BINDER AND SURFACE

PROPOSED TYPICAL CROSS SECTION

REA'S BRIDGE ROAD

CH-24

34+88 to 75+88 118+18 to 156+46



- (A) EXISTING AGGREGATE SHOULDERS
- (B) EXISTING PAVEMENT, 8" BIT BSE CSE AND 3" HMA BINDER AND SURFACE
- C PROPOSED HMA BINDER COURSE IL 9.5 N70 1.5"
- (D) PROPOSED HMA SURFACE COURSE IL 9.5 "C" N70 2"
- (E) PROPOSED AGGREGATE SHOULDERS, WEDGE
- (F) PROPOSED LONGITUDINAL JOINT SEAL



 Design By AJM	Rea's Bridge Road (C.H. 24)	Contract #	95880	
Children AJM	Rea's Bridge Road (C.H. 24) Typical Cross Sections	Contract # Section # 20-0	-	_
AJM			-	_

CH-24 INCIDENTAL RESURFACING SCHEDULE

		Existing Surface	Incidental HMA Surf	HMA Surf Rem Spl	Aggregate Surf Cse B	Area	Average Width			Existing Surface	Inciden HMA S
		Behind	Tons	Sq. Yd.s	Ton	Sq. Yds.	Feet			Behind	Tons
FE	Lt. 18+87	Agg.	4.1		1.0	36.7	33	MBTO	Lt. 61+46		2.6
FE	Lt. 20+97	Agg.	4.7		1.0	42.2	38	PE	Rt. 62+21	Bit.	3.2
CE	Rt. 21+72	Agg.	10.0		1.0	88.9	80	Forest Parkway	Lt. 63+17	Bit.	22.8
CE	Rt. 22+97	Agg.	8.7		1.0	77.8	70	PE	Lt. 64+43	Bit.	3.5
CE	Rt. 24+27	Agg.	4.4		1.0	38.9	35	MBTO	Lt. 64+43		3.0
CE	Rt. 25+04	Conc.	8.5	37.8		75.6	68	PE	Rt. 67+38	Bit.	6.7
CE	Rt. 26+84	Agg.	6.2		1.0	55.6	50	MBTO	Lt. 67+38		3.1
FE	Lt. 28+62	Agg.	40.3		2.0	240.0	69	PE	Lt. 68+13	Bit.	3.4
CE	Rt. 29+42	Bit.	10.0	44.4		88.9	80	PE	Lt. 68+46	Bit.	3.4
FE	Lt. 30+37	Dirt	4.4			38.9	35	MBTO	Lt. 68+46		2.7
CE	Rt. 30+37	Agg.	7.5		1.0	66.7	60	PE	Rt. 69+77	Bit.	3.5
CE	Rt. 31+85	Agg.	7.5		1.0	66.7	60	PE	Lt. 70+63	Bit.	8.2
CE	Rt. 33+70	Bit.	6.5	28.9		57.8	52	PE	Lt. 72+47	Bit.	4.0
CE	Rt. 34+42	Agg.	10.6		1.0	94.4	85	PE	Lt. 72+81	Bit.	4.0
FE	Lt. 37+94	Agg.	5.2		1.0	46.7	42	Rea's BridgeCou		Bit.	14.4
PE	Rt. 38+42	Bit.	4.4	19.4		38.9	35	PE	Rt. 118+82	0&C	3.1
MBTO		2.1.1	3.1	10.1		27.6	31	FE	Rt. 119+30	Agg.	1.7
PE	Rt. 39+67	Agg.	2.7		1.0	24.4	22	PE	Lt. 120+68	Bit.	2.0
MBTC			3.1		1.0	27.6	31	MBTO	Lt. 120+68	2.11	3.9
PE	Rt. 43+14	Conc.	2.5	11.1		22.2	20	PE	Rt. 121+24	Bit.	3.4
MBTO		00110.	3.1			27.6	31	PE	Lt. 124+41	Bit.	5.9
MBTO			3.1			27.6	31	MBTO	Lt. 124+41		2.2
PE	Rt. 44+60	Agg.	3.5		1.0	31.1	28	PE	Rt. 124+49	Bit.	2.4
FE	Lt. 46+37	Dirt	1.4		1.0	12.4	24	PE	Rt. 125+91	Bit.	3.1
FE	Rt. 46+37	Agg.	1.0		1.0	9.3	17	MBTO	Lt. 125+91	Dit.	5.8
Christmas Tree Roa		Bit.	17.1	12.8	1.0	153.0	23	FE	Rt. 127+94	Agg.	1.4
Christmas Tree Roa		Bit.	17.1	12.8		153.0	23	PE	Lt. 128+40	Bit.	2.7
PE	Lt. 52+43	Bit.	3.0	13.3		26.7	24	MBTO	Lt. 128+40	Dit.	2.2
MBTO		Dit.	3.1	13.5		27.6	31	PE	Rt. 129+61	Agg.	2.2
PE	Rt. 52+81	Bit.	3.5	15.6		31.1	28	PE	Lt. 130+25	Bit.	3.2
FE	Rt.54+08	Bit.	3.5	15.6		31.1	28	MBTO	Lt. 130+43	Dit.	1.0
PE	Lt. 54+20	Bit.	3.0	13.3		26.7	24	PE	Lt. 130+68	Agg.	3.7
MBTO		Dit.	2.3	15.5		20.7	31	FE	Lt. 136+39	Agg.	1.7
PE	Rt. 55+18	Bit.	3.7	16.7		33.3	30	PE	Lt. 138+17	Bit.	2.7
MBTO		Dit.	3.1	10.7		27.6	31	MBTO	Lt. 138+17	Dit.	2.7
PE	Lt. 55+83	Bit.	5.0	22.2		44.4	40	PE	Lt. 139+27	Conc.	5.6
MBTO		DIL.		22.2				MBTO	Lt. 139+27	Conc.	3.0
PE	Rt. 56+15	Bit.	2.2	19.4		20.0	30 35	PE	Lt. 144+90	Conc.	5.8
PE	Lt. 56+85	Bit.	4.4			38.9		MBTO	Lt. 145+25	COIIC.	3.6
		DIL.	3.5	15.6		31.1	28			Casa	
MBTO	Lt. 56+85		2.2	45.0		20.0	30	PE	Lt. 145+60	Conc.	6.2
PE	Lt. 57+89	Agg.	3.5	15.6	1.0	31.1	28	PE	Lt. 147+44	Agg.	3.5
Upton Lane	Lt. 58+93	Bit.	20.0	12.8		179.0	23	PE	Lt. 150+43	Conc.	6.2
FE	Rt. 59+75	Agg.	3.1	13.9	1.0	27.8	25	MBTO	Lt. 150+43		2.2
PE	Lt. 61+46	Bit.	3.0	13.3	17.0	26.7	24	FE	Rt. 156+84	Agg.	1.4
		Total	272.8	354.4	17.0					Total	180.3

Upton

0
Grand Total

		MAINLINE	SCHEDULE		
		VALVE BOX	SURVEY MONUMENT	HMA SURFACE REMOVAL	RRPM
		ADJUST	COVER ASSEMBLY	BUTT JOINT	REMOVA
LOCATIO	ON	EACH	EACH	SQ YD	EACH
0+00 TO 0)+40			124	
RCC ENTRANCE,	30' BUTT JT.			180	
CL 49+64			1		
CHRISTMAS TREE RD.	LT 49+88				
UPTON LANE	LT 58+93				
FOREST PARKWAY	LT 63+17				
REA'S BRIDGE CT.	LT 73+93				
17+60 TO 7	75+88	1		107	73
75+48 TO 7	75+88	1			
118+18 TO 1	18+58	1		107	
156+06 TO 1	56+46	1		98	
TR 250	0			70	
		4	1	686	73

	Design By: AJM	Rea's Bridge Road (CH-24)	Contract	#95880		
	CAD BY: AJM	Theidental HMA & Mainline Schedule Section		# 20-00300-00-RS		
HIGHWAY	Checked By:			TOTAL	SHEET	
DEPARTMENT				SHEETS	NO.	
	Date: 8/7/2020	Macon County Highway - Engineering	Division	13	7	

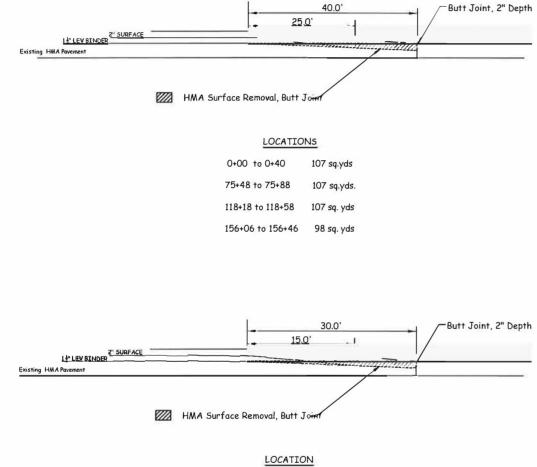
		LIBRA Curef		A	Aug 200
ng	Incidental HMA Surf	HMA Surf Rem Spl	Aggregate Surf Cse B	Area	Average Width
d d	Tons	Sq. Yd.s	Ton	Sq. Yds.	Feet
u	10113	04. 10.5	1011	04. 100.	1001
	2.6			23.3	35
	3.2	14.4		28.9	26
	22.8	12.8		204.0	23
	3.5	15.6		31.1	28
	3.0			27.2	35
	6.7	30.0		60.0	54
	3.1			27.6	31
	3.4	15.0		30.0	27
	3.4	15.0		30.0	27
	2.7			24.1	31
	3.5	15.6		31.1	28
	8.2	36.7		73.3	66
	4.0	17.8		35.6	32
	4.0	17.8		35.6	32
	14.4	12.8		129.0	23
	3.1	13.9	10	27.8	25
	1.7		1.0	15.1 17.8	30 16
	2.0	8.9		34.7	52
	3.9 3.4	15.0		30.0	27
	5.9	12.8		52.3	23
	2.2	12.0		20.0	30
	2.4	10.6		21.1	19
	3.1	13.9		27.8	25
	5.8	10.0		34.7	39
	1.4		1.0	12.9	25
	2.7	12.2		24.4	22
	2.2			20.0	30
	2.2		1.0	20.0	18
	3.2	14.4		28.9	26
	1.0			8.9	10
	3.7		1.0	33.3	30
	1.7		1.0	15.1	30
	2.7	12.2		24.4	22
	2.7			24.4	27.5
	5.6	8.3		50.0	15
	3.0			26.7	30
	5.8	11.3		51.8	20.4
	3.6			32.0	48
	6.2	13.3	4.0	55.7	24
	3.5	12.2	1.0	31.1 55.7	28
	6.2	13.3		20.0	24 30
	2.2		1.0	12.9	25
1	1.4	363.6	7.0	12.5	25
	100.5	505.0	7.0		
	453.1	718.0	24.0		

PAVEMENT	MARKING SCHEDULE

	BEGIN END PAVEMI STATION STATION OFFSET International state	IENT MARKING LINE 4" LINE 12" FOOT FOOT 30 1672 150 1176 120	PAVEMENT MARKING LINE 24" FOOT	PAVEMENT MARKING LETTER & SYMBOL SQ FT 31.2 31.2	PVT MK LINE 4" WHITE FOOT 1780 100 151 27 100	PVT MK LINE 4" YELLOW FOOT 223 54 54 1111 709 1120 850 992 540	EDGE LINES WHITE SKIP DASH YELLOW DOUBLE YELLOW STRIPED MEDIAN YELLOW TURN LANE LINE WHITE TURNLANE ARROWS WHITE EDGE LINE Radii WHITE DOUBLE YELLOW & TL LINE TL ARROWS & STOP BAR WHITE TURNLANE ARROWS WHITE STRIPED MEDIAN YELLOW DOUBLE YELLOW TURN LANE LINE WHITE EDGE LINES WHITE SKIP DASH YELLOW SINGLE SOLID YELLOW SINGLE SOLID YELLOW DOUBLE YELLOW SINGLE SOLID YELLOW	
STATIONSTATIONOFFSETFOOTFOOTFOOTSQ.FTFOOT<	STATION STATION OFFSET 0+00 8+90 LT.&RT. 0+00 8+90 CENTER 8+90 9+05 CENTER 9+05 13+73 CENTER 12+73 13+73 RT. TL 12+73 13+43 CENTER RCC Entrance Radii, 85'+66' LT. IT. RCC Entrance Radii, 85'+66' LT. IT. RCC Entrance X LT. IT. RCC Entrance X LT. IT. 14+81 15+51 LT. 14+28 17+25 CENTER 17+25 17+60 CENTER 17+25 17+60 CENTER 17+60 62+04 CENTER 17+60 62+04 CENTER 37+05 48+25 CENTER 37+05 48+25 CENTER 67+00 72+40 CENTER 67+00 72+40 CENTER 17+60 75+88 LT.& RT. 118+18 15	FOOT FOOT 30 1672 150 1176 120	FOOT	SQ FT 31.2 31.2	FOOT 1780 100 151 27 100	FOOT 223 54 1111 709 1120 850 992 540	EDGE LINES WHITE SKIP DASH YELLOW DOUBLE YELLOW STRIPED MEDIAN YELLOW TURN LANE LINE WHITE TURNLANE ARROWS WHITE EDGE LINE Radii WHITE DOUBLE YELLOW & TL LINE TL ARROWS & STOP BAR WHITE TURNLANE ARROWS WHITE STRIPED MEDIAN YELLOW DOUBLE YELLOW TURN LANE LINE WHITE EDGE LINES WHITE SKIP DASH YELLOW SINGLE SOLID YELLOW SINGLE SOLID YELLOW DOUBLE YELLOW SINGLE SOLID YELLOW	
none none none none none none none 0x00 8+90 CNTR None None 223 Surpass verte 0x00 8+90 CNTR 30 Surpass verte None 223 Surpass verte 9x65 CNTR 307 Sirpass verte None None Surpass verte None 9x65 CNTR 367 Sirpass verte None None None None None 9x65 Sirpass verte None Sirpass verte None	0+00 8+90 LT. & RT. 0+00 8+90 CENTER 8+90 9+05 CENTER 9+05 13+73 CENTER 12+73 13+73 RT. TL 12+73 13+43 CENTER RCC Entrance Radii, 85'+66' LT. IT. RCC Entrance Radii, 85'+66' LT. IT. RCC Entrance LT. IT. RCC Entrance LT. IT. 14+81 15+51 LT. 14+28 17+25 CENTER 17+25 17+60 CENTER 14+55 15+55 LT. 17+60 62+04 CENTER 17+60 62+04 CENTER 29+96 37+05 CENTER 37+05 48+25 CENTER 62+04 67+00 CENTER 67+00 72+40 CENTER 72+40 75+88 CENTER 17+60 75+88 LT. & RT. 18+18 121+02	30 1672 150 1176 120		31.2 31.2	1780 100 151 27 100	223 54 1111 709 1120 850 992 540	SKIP DASH YELLOW DOUBLE YELLOW STRIPED MEDIAN YELLOW TURN LANE LINE WHITE TURNLANE ARROWS WHITE EDGE LINE Radii WHITE DOUBLE YELLOW & TL LINE TL ARROWS & STOP BAR WHITE TURNLANE ARROWS WHITE STRIPED MEDIAN YELLOW DOUBLE YELLOW TURN LANE LINE WHITE EDGE LINES WHITE SKIP DASH YELLOW SINGLE SOLID YELLOW SINGLE SOLID YELLOW SINGLE SOLID YELLOW	
0-000-000-0000	0+00 8+90 CENTER 8+90 9+05 CENTER 9+05 13+73 CENTER 12+73 13+73 RT.TL 12+73 13+43 CENTER 12+73 13+43 CENTER RCC Entrance Radii, 85'+66' LT. IT. RCC Entrance Radii, 85'+66' LT. IT. RCC Entrance LT. IT. RCC Entrance LT. IT. 14+81 15+51 LT. 14+82 17+25 CENTER 17+25 17+60 CENTER 14+55 15+55 LT. 14+55 15+55 LT. 17+60 62+04 CENTER 17+60 62+04 CENTER 37+05 48+25 CENTER 53+54 62+04 CENTER 67+00 72+40 CENTER 72+40 75+88 LT. & RT. 118+18 121+02 CENTER 118+18 121+02	1672 150 	32	31.2	100 151 27 100	54 54 1111 709 1120 850 992 540	SKIP DASH YELLOW DOUBLE YELLOW STRIPED MEDIAN YELLOW TURN LANE LINE WHITE TURNLANE ARROWS WHITE EDGE LINE Radii WHITE DOUBLE YELLOW & TL LINE TL ARROWS & STOP BAR WHITE TURNLANE ARROWS WHITE STRIPED MEDIAN YELLOW DOUBLE YELLOW TURN LANE LINE WHITE EDGE LINES WHITE SKIP DASH YELLOW SINGLE SOLID YELLOW SINGLE SOLID YELLOW SINGLE SOLID YELLOW	
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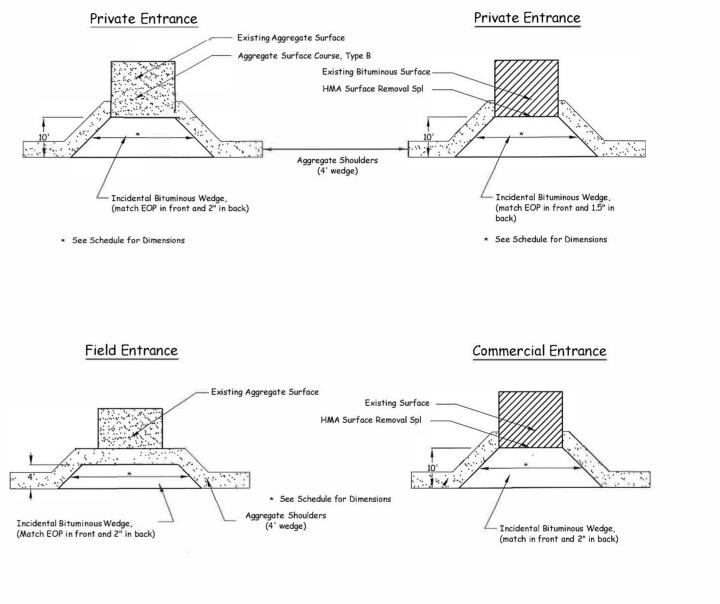
and a	Design By: AJM	Rea's Bridge Roa
	CAD By: AJ M	Pavement Marking
HIGHWAY DEPARTMENT	Checked By:	
424	Date: 8/7/2020	Macon County Hig

HMA Surface Removal, Butt Joint Detail



RCC Entrance 180 sq.yds TR 250 73 sq. yds.

Existing Aggregate Surface Aggregate Surface Course, Type B (4' wedge) – Incidental Bituminous Wedge, (match EOP in front and 2" in back)



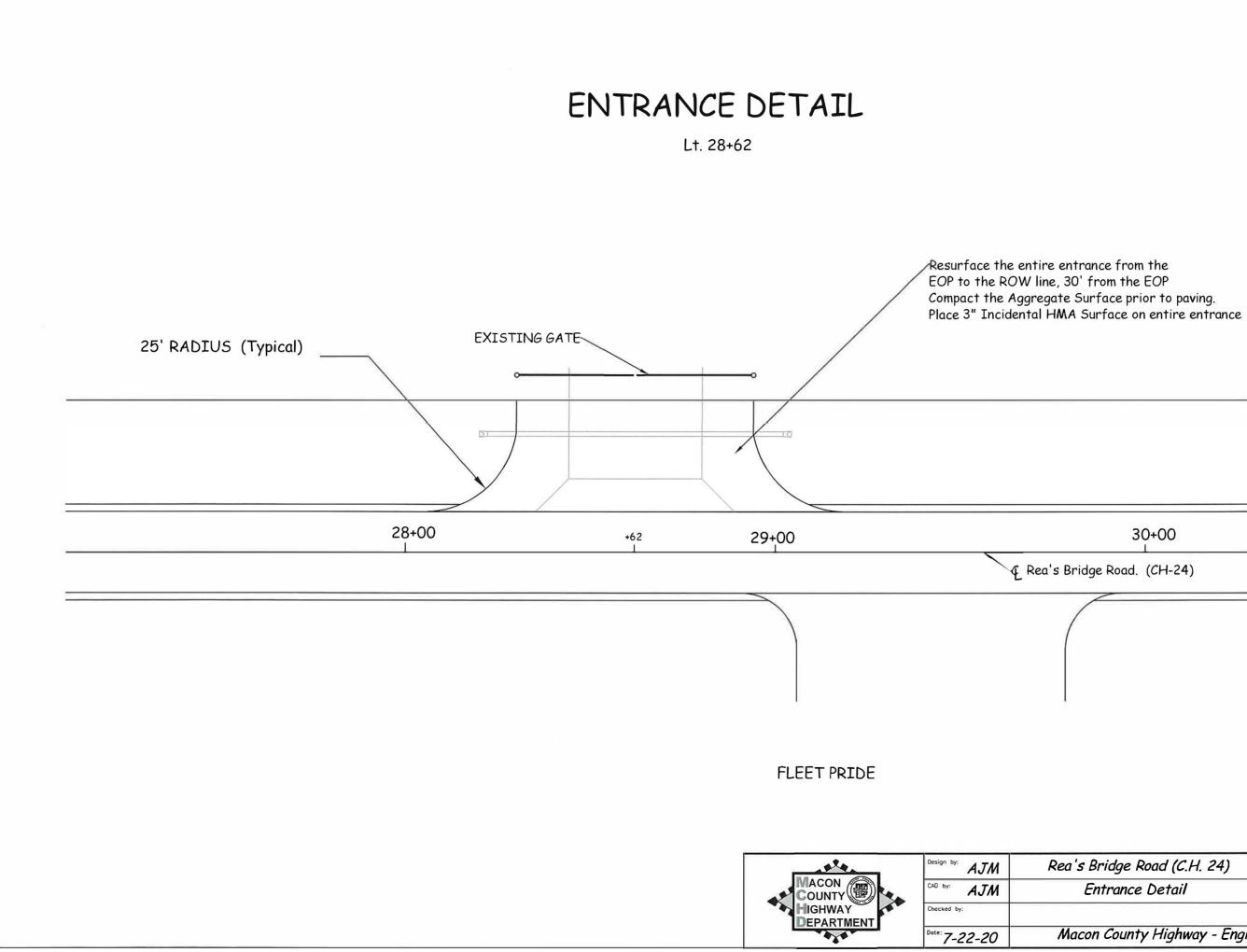
Note: Before bituminous prime coat, all entrances shall be cleaned to the satisfaction of the engineer. The contractor shall make an assertive effort to accomplish this task, which shall be paid incidental to bituminuos prime coat.

Note: If bituminous wedge is placed on on existing bituminous surface, then HMA Surface Removal (Special) will be used to cut a butt joint. If wedge is placed on on existing aggregate surface, then any necessary surface preperation shall not be measured for poyment, but shall be included in the cost of HMA Surface Removal (Speciol)



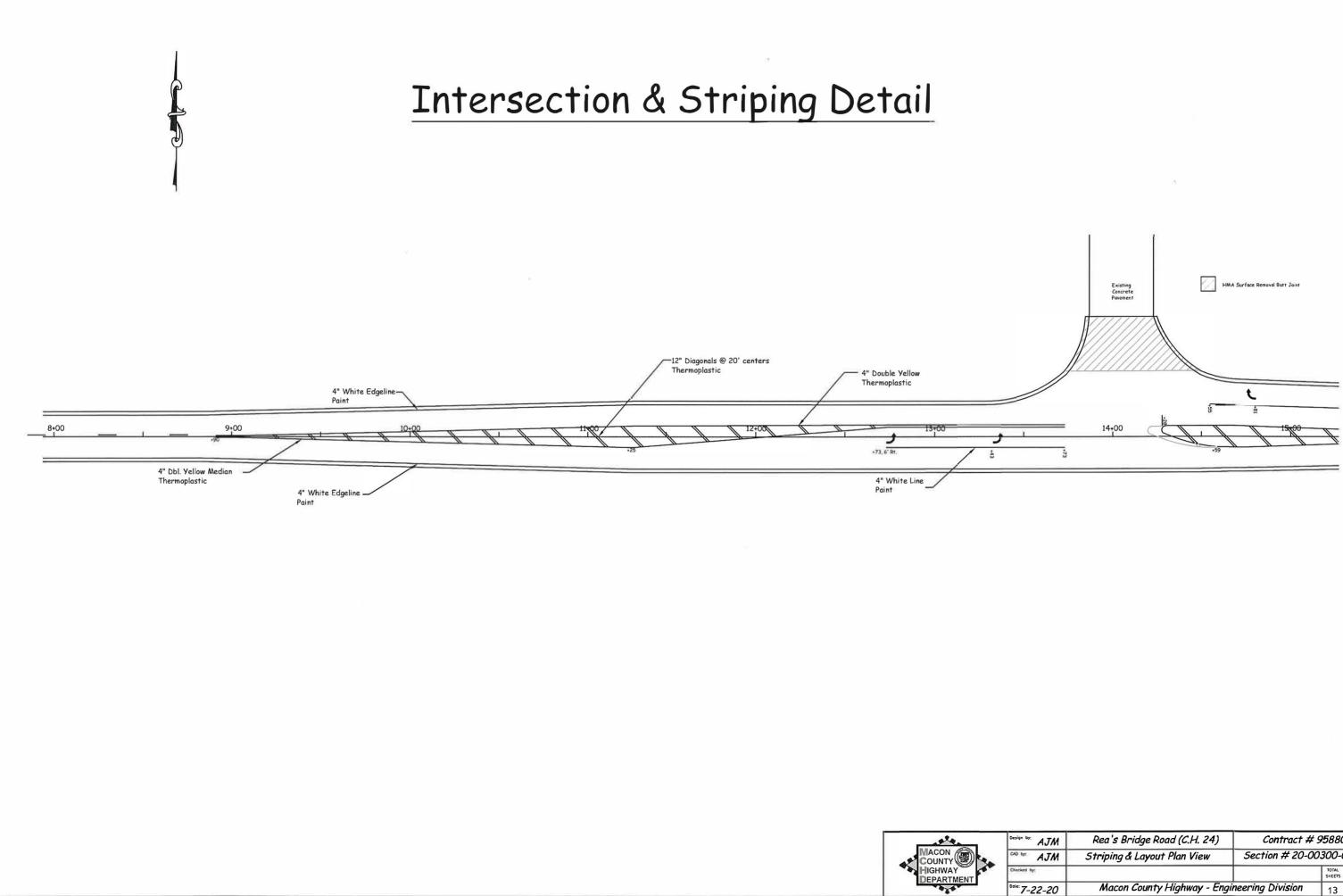
Typical Entrance Detail

Design by AJM	AJM Rea's Bridge Road (C.H. 24) Contract #		95880		
CAD by AJM	Butt Joint and Entrance Details	Section # 20-00	0300-0	0-RS	
Checked by			TOTAL SHEETS	SHEET NO	
Date 7-22-20	Macon County Highway - Engineering Division		13	9	

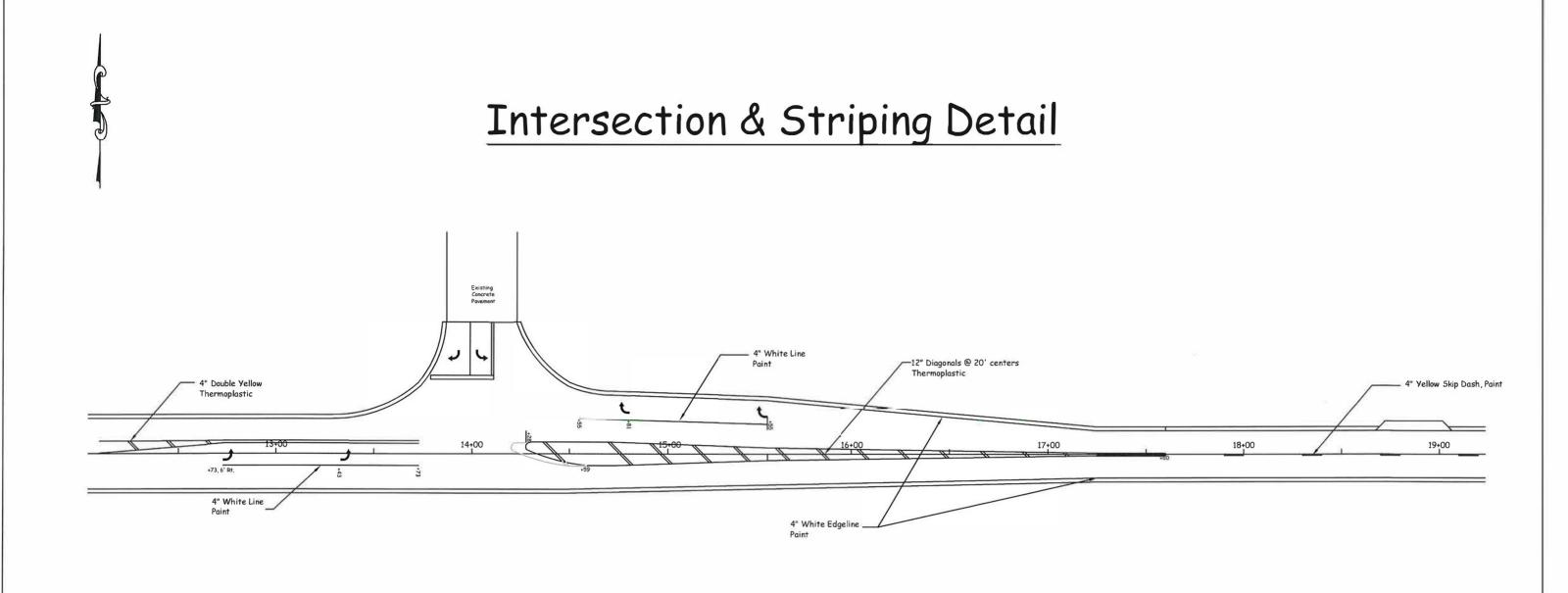


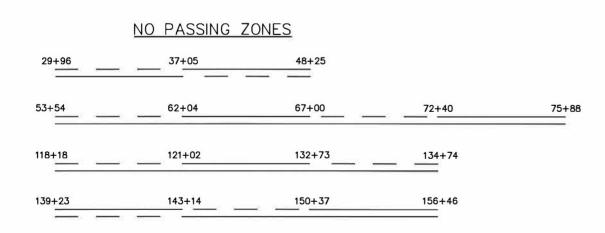
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Bridge Road (C.H. 24) Contract # 95880					
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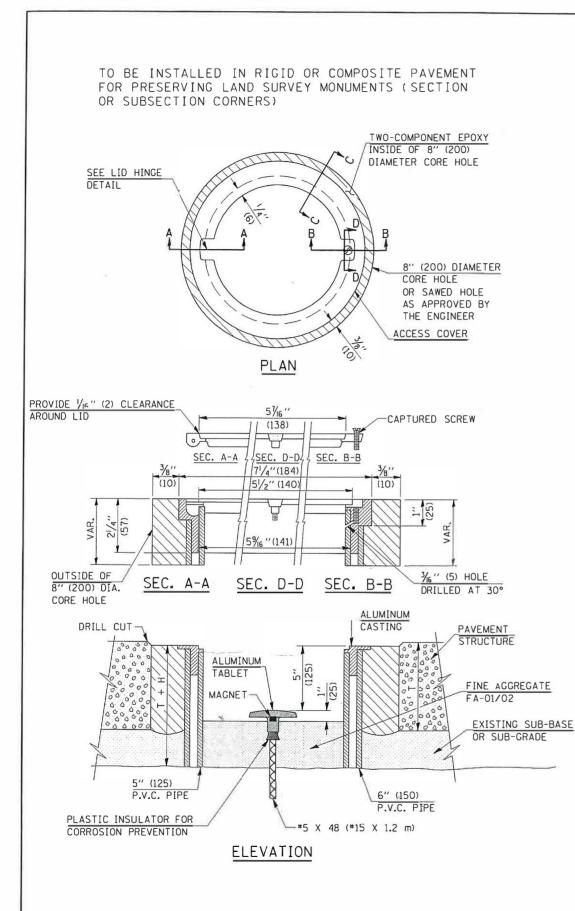
Design by: AJM	Rea's Bridge Road (C.H. 24)	Contract # S	95880		
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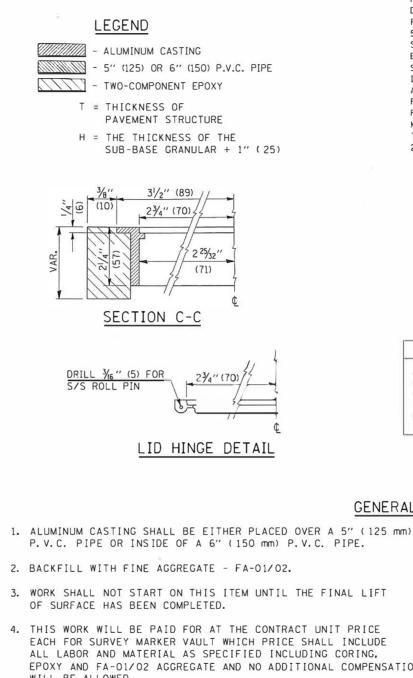






` [™] AJM	AJM Rea's Bridge Road (C.H. 24) Contract # 9							
* AJM	Striping & Layout Plan View	Section # 20-00300-00-R						
ed by:			TOTAL SHEETS	SHEET NO.				
7-22-20 Macon County Highway - Engineering Di		neering Division	13	12				





SPECIFICATIONS FOR ACCESS COVER FOR USE WITH SURVEY MARKER VAULT(S) AND SURVEY MARKER COVER ASSEMBLY(S): THE ACCESS COVER WILL BE CAST FROM A SPECIAL ALUMINUM ALLOY THAT IS COMPARABLE TO BRONZE IN HARDNESS. THE ACCESS COVER SHALL BE SPECIALLY ENGINEERED AND DESIGNED TO PROVIDE A SNUG FIT, INCORPORATING EQUIDISTANT LOCKING RIDGES, INSIDE A STANDARD 6" (150 mm) DIAMETER, OR OUTSIDE A STANDARD 5" (125 mm) DIAMETER, SCHEDULE 40 PVC PIPE. THE ACCESS COVER SHALL HAVE SPECIAL UNIFORM 1" (25 mm) THICK TOP SURFACE TO PERMIT INFORMATION TO BE EASILY MACHINE-STAMPED INTO IT. THE ACCESS COVER SHALL INCLUDE A STAINLESS CAPTURED SCREW AND AN OPPOSING RECESSED HINGE ASSEMBLY AS ITS LOCKING MECHANISM. THE ACCESS COVER SHALL INCORPORATE A SPECIAL ACCESS HOLE FOR CLEANING AND DRAINAGE, DRILLED AT 30° INSIDE THE RING OF THE ACCESS COVER, TO THE DRILLED AND TAPPED HOLE PROVIDED FOR THE STAINLESS CAPTURED SCREW. COMPOSITION: ALUMINUM 92-93%: MAGNESIUM 6.5-7.5%. STRENGTH: YIELD - 19,000-21,000 PSI (131-145 MPo); TENSILE - 38,000-44,000 PSI (262-303 MPa); ELONGATION - 10-15% IN 2" (50 mm). SPECIFICATIONS: ALLOY 535.0; 00-A-601Es. NO EXCEPTIONS.

RE-BAR-SURVEY MARKER, TYPE I, (SPECIAL) TO BE FURNISHED BY THE CONTRACTOR AND SET BY AN ILLINOIS PROFESSIONAL LAND SURVEYOR (SEE SPECIAL DETAIL SHEET FOR ALUMINUM TABLET AND RE-BAR SPECIFICATIONS).

ALUMINUM CASTING
OR OTHER SUBJECT
5" OR 6" (125 mm
ALUMINUM TABLET,
5∕8″ X 48″ (#15 X

GENERAL NOTES

- 3. WORK SHALL NOT START ON THIS ITEM UNTIL THE FINAL LIFT

EACH FOR SURVEY MARKER VAULT WHICH PRICE SHALL INCLUDE EPOXY AND FA-01/02 AGGREGATE AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

FILE NAME .	USER NAME = steffenmk	DESIGNED -	REVISED - 11/06						
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	PLOT DATE = 2/5/2010	DATE -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.

BILL OF MATERIAL

OF THE DIMENSIONS AND SPECIFICATIONS SHOWN TO ENGINEER'S APPROVAL OF SHOP DRAWINGS. OR 150 mm) DIAMETER P.V.C. PIPE, SCHEDULE 40, STAMPED IN ACCORDANCE WITH STANDARD 667101. 1.2 m) RE-BAR, EPOXY AND FA-01/02 AGGREGATE.

5. THE CASTING SHALL BE ANCHORED IN THE 8" (200 mm) DIAMETER CORE HOLE WITH TWO-COMPONENT EPOXY CONFORMING TO APPLICABLE PORTIONS OF ARTICLE 1025.01 OF THE STANDARD SPECIFICATIONS.

6. ALL SURVEY MARKER (VAULTS) SHALL BE PLACED 1/4" (6 mm) ± BELOW THE FINAL SURFACE.

7. THE 8" (200 mm) DIAMETER CORE HOLE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

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

		DISTRICT 7 DETAIL NO. X0301232						
		F.A. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.		
ULT			20-00300-00-RS	MACON	13	13		
				CONTRACT	NO.95	880		
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