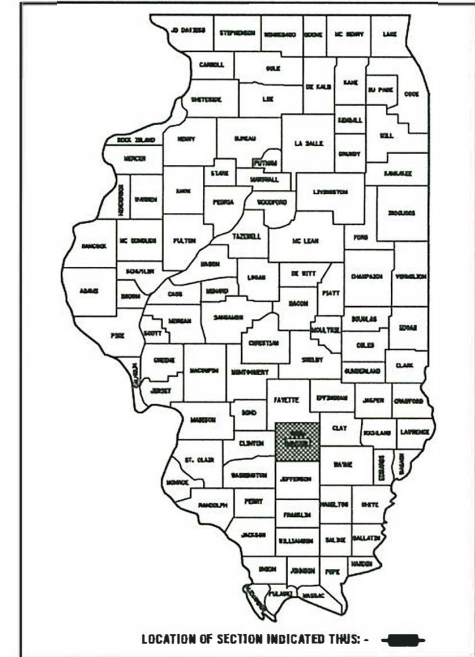


06-12-2020 LETTING ITEM 189

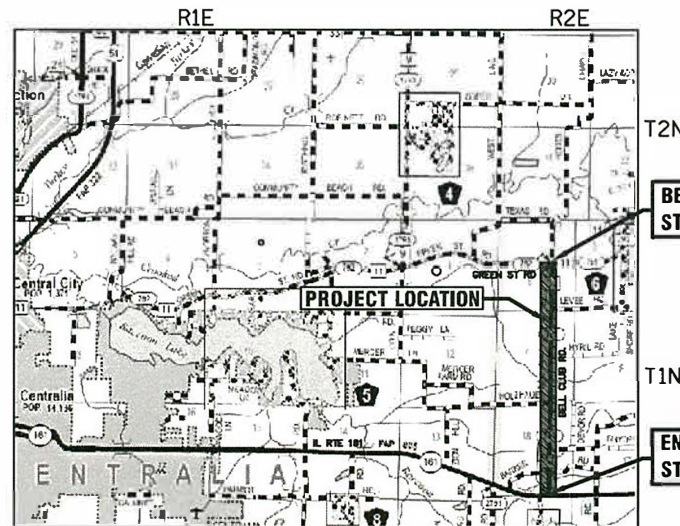
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**PLANS FOR PROPOSED LOCAL AGENCY IMPROVEMENTS**  
**FAS RTE 791 (CH 37) BELL CLUB ROAD**  
**MARION COUNTY, ILLINOIS**  
**SECTION NO. 16-00138-00-RS**  
**PROJECT NO. 9Y15(568)**  
**JOB NO. C-98-341-16**  
**STR PROGRAM**

CONTRACT NO. 97736  
 FEDERAL AID PROJECT



**INDEX OF SHEETS**

- 1 COVER SHEET
- 2 GENERAL NOTES
- 3 SUMMARY OF QUANTITIES
- 4 TYPICAL SECTIONS
- 5&6 CONSTRUCTION SCHEDULES
- 7&8 PLAN SHEETS
- 9&10 MISCELLANEOUS DETAILS



**BEGIN PROJECT  
 STA. 0+00**

**END PROJECT  
 STA. 133+28**

**LOCATION MAP**

GROSS LENGTH OF PROJECT: 13,328.00 FT = 2.524 MI  
 NET LENGTH OF PROJECT: 13,328.00 FT = 2.524 MI  
 FUNCTIONAL CLASS.: RURAL MAJOR COLLECTOR  
 ADT: CURRENT (2017) 1,550  
 20-YEAR (2037)  
 DESIGN SPEED: 50MPH

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

THESE PLANS WERE PREPARED BY ME  
 OR BY A FULL-TIME MEMBER OF MY STAFF  
 WORKING UNDER MY PERSONAL SUPERVISION.



*Michael E. McCormick*

DATE: 03/09/2020  
 LIC. EXP.: 11/30/2021

PRINTED BY THE AUTHORITY  
 OF THE STATE OF ILLINOIS

MARION COUNTY

APPROVED March 10, 20 20

*Michael E. McCormick*  
 MARION COUNTY ENGINEER

PASSED April 9, 20 20

*Jana Schuen*  
 DISTRICT EIGHT ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID  
 BASED ON LIMITED  
 REVIEW April 9, 20 20

*Keith Roberts*  
 REGION FIVE ENGINEER

GENERAL NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCY IMMEDIATELY.
2. EXCEPT WHERE DESIGNATED OTHERWISE, THE LOCATIONS AND/OR DEPTHS OF UNDERGROUND UTILITIES SHOWN HAVE BEEN TAKEN FROM INFORMATION FURNISHED BY THE OTHERS & MUST BE CONSIDERED APPROXIMATE AND SHALL NOT BE CONSIDERED ALL INCLUSIVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. CONTACT J.U.L.I.E. AND ALL UTILITY COMPANIES.
3. CONTRACTOR SHALL PERFORM HIS WORK IN A MANNER WHICH WILL NOT DAMAGE ANY UTILITY LINES. IF THE CONTRACTOR DAMAGES A UTILITY LINE, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE THE LINE REPAIRED TO THE SATISFACTION OF THE OWNER. NO ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR FOR THE REPAIR COST.
4. THE EXISTING RIGHT OF WAY SHOWN / REFERENCED HEREON HAS BEEN PROTRACTED FROM EXISTING RECORDS AND IS TO BE USED FOR REFERENCE PURPOSES ONLY. FURTHERMORE, NO COMPLETE SURVEY OF SAID R.O.W. IS IMPLIED BY THIS DRAWING.
5. THE CONTRACTOR SHALL MAINTAIN ADEQUATE DRAINAGE AT ALL TIMES. WATER SHALL NOT STAND OR POND. ANY DAMAGE TO STRUCTURES OR WORK ON SITE CAUSED BY INADEQUATE MAINTENANCE OF DRAINAGE PROVISIONS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. ANY COST ASSOCIATED WITH REPAIRS FOR SUCH DAMAGE WILL BE AT THE CONTRACTOR'S EXPENSE.
6. THE CONTRACTOR SHALL BE AWARE THAT NO EASEMENTS HAVE BEEN ACQUIRED FOR THESE IMPROVEMENTS AND SHALL KEEP ALL OPERATIONS CONFINED TO EXISTING R.O.W.
7. THE CONTRACTOR SHALL DISPOSE OF ALL SURPLUS, UNSTABLE AND/OR UNSUITABLE MATERIALS RESULTING FROM THE CONSTRUCTION OF THIS PROJECT. SUCH MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR AT HIS OWN EXPENSE OUTSIDE THE LIMITS OF THE PROPERTY IN SUCH A MANNER THAT PUBLIC OR PRIVATE PROPERTY WILL NOT BE DAMAGED OR ENDANGERED AND IN ACCORDANCE WITH STATE AND LOCAL CODES.
8. ANY PROPERTY DAMAGE CAUSED BY THE CONTRACTOR OR HIS OPERATIONS SHALL BE CORRECTED AND/OR RESTORED TO THE SATISFACTION OF THE PROPERTY OWNER AT NO ADDITIONAL COST TO THE OWNER.
9. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HOT-MIX ASPHALT.
10. THE PROPOSED PAVEMENT MARKING SHALL MATCH THE LOCATIONS OF THE EXISTING PAVEMENT MARKINGS AS DIRECTED BY THE ENGINEER.

COMMITMENTS  
NONE

MIXTURE USE(S)	SURF. CRSE./INCIDENTAL SURF.
APPLICATION	HMA SC "C" N70
AC/PG	PG 64-22
RAP % (MAX.)	SEE SPECIFICATIONS
DESIGN AIR VOIDS	4.0% @ Ndes=70
MIX COMPOSITION (GRADATION MIXTURE)	IL-9.5
FRICITION AGG	MIXTURE "C"
MIXTURE WEIGHT	112 LBS/SQ. YD./IN.

TOTAL SHEETS	SHEET NUMBER
10	2
CONTRACT NO. 97736	
SECTION 16-00138-00-RS	

APPLICATION RATES

<u>PAVING</u>	
ALL HOT-MIX ASPHALT	0.056 TONS/SQ. YD./INCH
BITUMINOUS MATERIALS (TACK COAT)	0.05 LBS/SQ FT (HMA, PCC) 0.025 LBS/SQ FT (FOG COAT-HMA)
<u>AGGREGATE SHOULDERS</u>	
	2.1 TON/CU. YD.

HIGHWAY STANDARDS (SEE SPECIFICATIONS)

000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ON
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS

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

LIST OF KNOWN UTILITIES

NAME OF UTILITY	PHONE NUMBERS
ATT DISTRIBUTION (AMERITECH)	888-944-0447
TRI-COUNTY ELECTRIC COOP	618-548-3508
RACCOON WATER CO.	618-532-9201
CITATION OIL & GAS	618-548-3510

**GENERAL NOTES**

FAS RTE 791 (CH37/BELL CLUB ROAD)  
MARION COUNTY, IL

TOTAL SHEETS	SHEET NUMBER
10	3
CONTRACT NO. 97736	
SECTION 16-00138-00-RS	

SUMMARY OF QUANTITIES			
ITEM	PAY ITEM	UNIT	QUANTITY
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	15746
40600990	TEMPORARY RAMP	SQ YD	41
40604052	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	TON	4685
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	36
44000153	HOT-MIX ASPHALT SURFACE REMOVAL - 1"	SQ YD	1673
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	985
48203100	HOT-MIX ASPHALT SHOULDERS	TON	23
67100100	MOBILIZATION	L SUM	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	2694
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	445
Δ 78000200	THERMOPLASTIC PAVEMENT MARKING - 4"	FOOT	32630
X4420201	PAVEMENT PATCHING (SPECIAL)	SQ YD	3443
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
Z0055400	RUMBLE STRIP	FOOT	1560
LR400005	CIR-FDR EMULSIFIED ASPHALT	GALLON	29100
LR400730	COLD IN-PLACE RECYCLING, 3.0"	SQ YD	32330
LR403300	SURFACE PROFILE MILLING	SQ YD	32330
# Z007660	TRAINEES	HOURL	500
# Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOURL	500

Δ SPECIALTY ITEMS

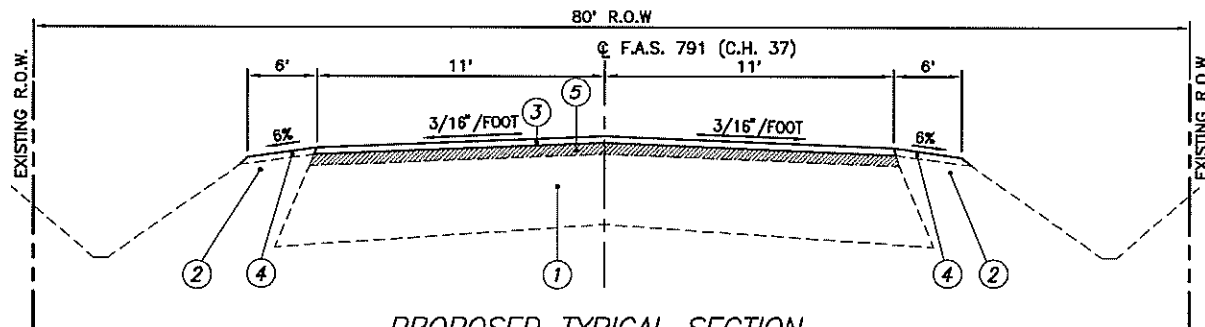
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**SUMMARY OF QUANTITIES**

FAS RTE 791 (CH37/BELL CLUB ROAD)  
MARION COUNTY, IL

50912-003\PLANS\3-S00 03-10-20

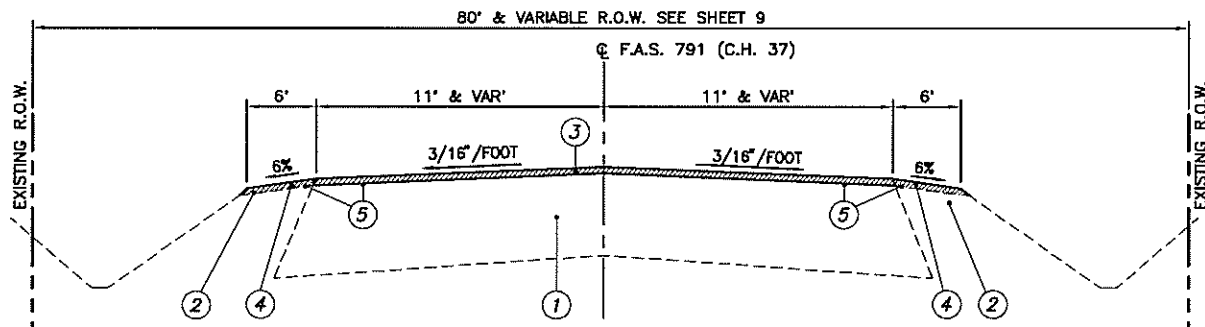
TOTAL SHEETS	SHEET NUMBER
10	4
CONTRACT NO. 97736	
SECTION 16-00138-00-RS	



**PROPOSED TYPICAL SECTION**  
STA. 1+01 TO 132+27

**LEGEND**

- ① EXISTING HMA SURFACE COURSE, 3" ON HMA BINDER COURSE, 2" & VAR. ON STABILIZED BASE, 8"
- ② EXISTING AGGREGATE WEDGE SHOULDER, TYPE B
- ③ PROPOSED HMA SURFACE COURSE, IL-9.5, MIX C, N70 - 2.5", ON BIT. MAT'L. (TACK COAT)
- ④ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- ⑤ COLD IN-PLACE RECYCLING, 3.0" (CIR)



**PROPOSED TYPICAL SECTION**  
STA. 0+00 TO 1+01 & 132+27 TO 133+28

**LEGEND**

- ① EXISTING HMA SURFACE COURSE, 3" ON HMA BINDER COURSE, 2" & VAR. ON STABILIZED BASE, 8"
- ② EXISTING HMA SHOULDER
- ③ PROPOSED HMA SURFACE COURSE, IL-9.5, MIX C, N70 - 1", ON BIT. MAT'L. (TACK COAT)
- ④ PROPOSED HMA SHOULDERS - 1", ON BIT. MAT'L. (TACK COAT)
- ⑤ HMA SURFACE REMOVAL - 1"

<b>TYPICAL SECTIONS</b>
FAS RTE 791 (CH37/BELL CLUB ROAD) MARION COUNTY, IL

50918-003 PLANS\4-TYPICAL\_SECTIONS\_03-10-20

MAIN LINE SCHEDULE				
NAME	LOCATION	HMA SURFACE COURSE, IL-9.5, MIX"C", N70 (TON)	BITUMINOUS MATERIALS (TACK COAT) (POUND)	AGGREGATE WEDGE SHOULDER, TYPE B (TON)
BELL CLUB ROAD	STATION 1+01 to STATION 132+27	4615.0	14833.9	985
<b>TOTAL</b>		<b>4615</b>	<b>14834</b>	<b>985</b>

TOTAL SHEETS	SHEET NUMBER
<b>10</b>	<b>5</b>
CONTRACT NO. 97736	
SECTION 16-00138-00-RS	

MAIN INTERSECTION SCHEDULE					
LOCATION		SIDE	HMA SURFACE COURSE, IL-9.5, MIX"C", N70 (TON)	HMA SHOULDERS (TON)	BITUMINOUS MATERIALS (TACK COAT) (POUND)
GREEN STREET	STA. 0+00 TO 1+01	RT	17.5	5.2	182.4
GREEN STREET	STA. 0+00 TO 1+01	LT	17.5	6.2	190.4
IL RT 161	STA. 132+27 TO 133+28	RT	17.5	6.2	190.4
IL RT 161	STA. 132+27 TO 133+28	LT	17.5	5.2	182.4
<b>TOTAL</b>			<b>70</b>	<b>23</b>	<b>746</b>

ENTRANCE SCHEDULE				
TYPE	SIDE	STATION	INCIDENTAL HMA SURFACING (TON)	BITUMINOUS MATERIALS (TACK COAT) (POUND)
Private Entrance	RT	30+06	1.2	5.5
Private Entrance	RT	30+72	1.2	5.5
Private Entrance	RT	41+38	1.2	5.5
Private Entrance	RT	42+58	1.2	5.5
Private Entrance	RT	43+60	1.2	5.5
Private Entrance	RT	49+83	1.2	5.5
Private Entrance	RT	68+86	1.2	5.5
Private Entrance	LT	126+14	1.2	5.5
Private Entrance	RT	129+80	1.2	5.5
Church Entrance	LT	131+19	5.0	23.0
<b>TOTAL</b>			<b>16</b>	<b>73</b>

SCHEDULE OF SIDE ROADS				
NAME	SIDE	STATION	INCIDENTAL HMA SURFACING (TON)	BITUMINOUS MATERIALS (TACK COAT) (POUND)
LEVEE ROAD	LT	26+45	2.5	11.5
HYRIL ROAD	LT	52+89	2.5	11.5
WINDY ACRES LANE	LT	59+87	2.5	11.5
MERCER FARM RD	RT-LT	79+95	5.1	23.4
SNYDER ROAD	LT	106+72	2.5	11.5
BARKER ROAD	RT-LT	120+05	5.1	23.4
<b>TOTAL</b>			<b>20</b>	<b>93</b>

PAVEMENT PATCHING (SPECIAL) SCHEDULE			
Station	Location	TYPE III (SQ YD)	TYPE IV (SQ YD)
1+63	L		154.0
3+75	R		114.0
7+33	R		29.3
10+82	R		260.7
23+80	R		60.7
26+10	R	20.0	
27+92	R		144.7
29+02	L		78.2
30+63	L		49.3
47+46	L		259.1
60+15	L		161.3
60+15	R		118.7
62+57	L		117.3
65+00	R		51.3
82+15	L		118.0
86+96	L		80.0
87+38	R		23.3
93+84	L		193.3
97+03	R		36.7
101+32	R		28.7
104+00	R		56.7
105+28	R		159.3
108+07	R		74.7
108+25	L		50.7
110+28	L		42.0
111+35	R		74.0
110+91	L		67.2
111+46	L		382.7
119+13	R		90.0
120+48	L		40.0
122+08	L		33.3
122+58	L		42.8
122+93	L		26.7
123+74	R		40.3
124+10	L		33.3
131+47	R		101.4
132+41	L		29.3
<b>Total</b>		<b>20.0</b>	<b>3423</b>

**CONSTRUCTION SCHEDULES**

FAS RTE 791 (CH37/BELL CLUB ROAD)  
MARION COUNTY, IL

50918-003 PLAN(S) 5-6-SCHEDULES 03-10-20

TOTAL SHEETS	SHEET NUMBER
<b>10</b>	<b>6</b>
CONTRACT NO. 97736	
SECTION 16-00138-00-RS	

SCHEDULE OF THERMOPLASTIC PAVEMENT MARKING LINE 4"		
TYPE OF LINE	YELLOW (FT)	WHITE (FT)
CENTERLINE SKIP-DASH*	3,332	
NO PASSING ZONE STRIPE**	2,642	
EDGE LINE		26,656
SUB TOTAL	5,974	26,656
TOTAL		32,630

\* 10'-30' Cycle for skip-dash

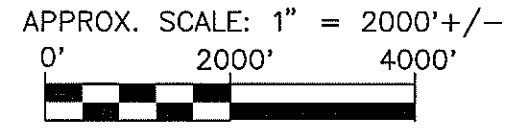
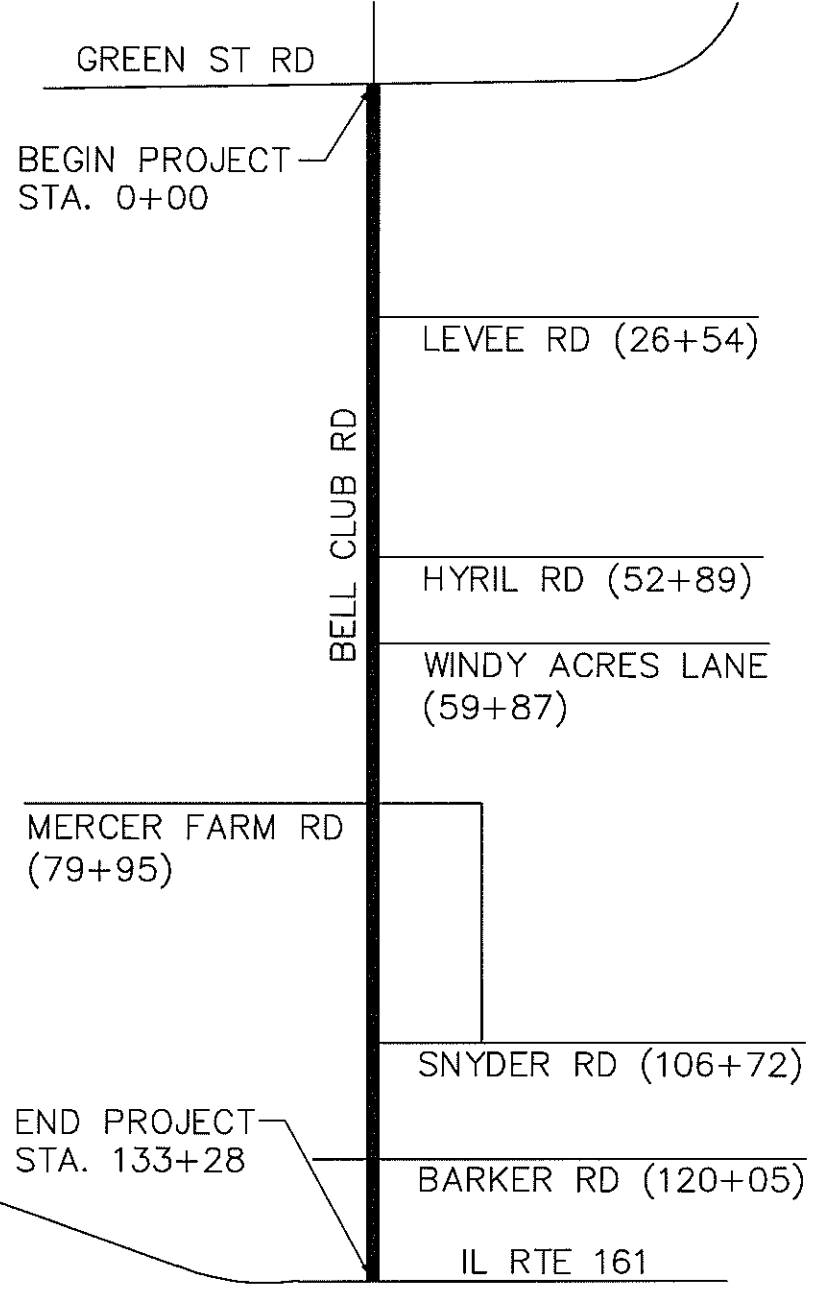
\*\* NO PASSING ZONE Pavement Marking to match existing  
Quantity is included in Schedule. To be laid out by the County

RUMBLE STRIP		
STATION	LOCATION	QUANTITY (FT)
3+40 to 3+65	North Bound Lane	260
5+40 to 5+65	North Bound Lane	260
7+40 to 7+65	North Bound Lane	260
125+97 to 126+22	South Bound Lane	260
127+97 to 128+22	South Bound Lane	260
129+97 to 130+22	South Bound Lane	260
TOTAL		1560

<b>CONSTRUCTION SCHEDULES</b>
FAS RTE 791 (CH37/BELL CLUB ROAD) MARION COUNTY, IL

50918-003 PLAN 4-SCHEDULES 03-10-20

TOTAL SHEETS	SHEET NUMBER
10	7
CONTRACT NO. 97736	
SECTION 16-00138-00-RS	

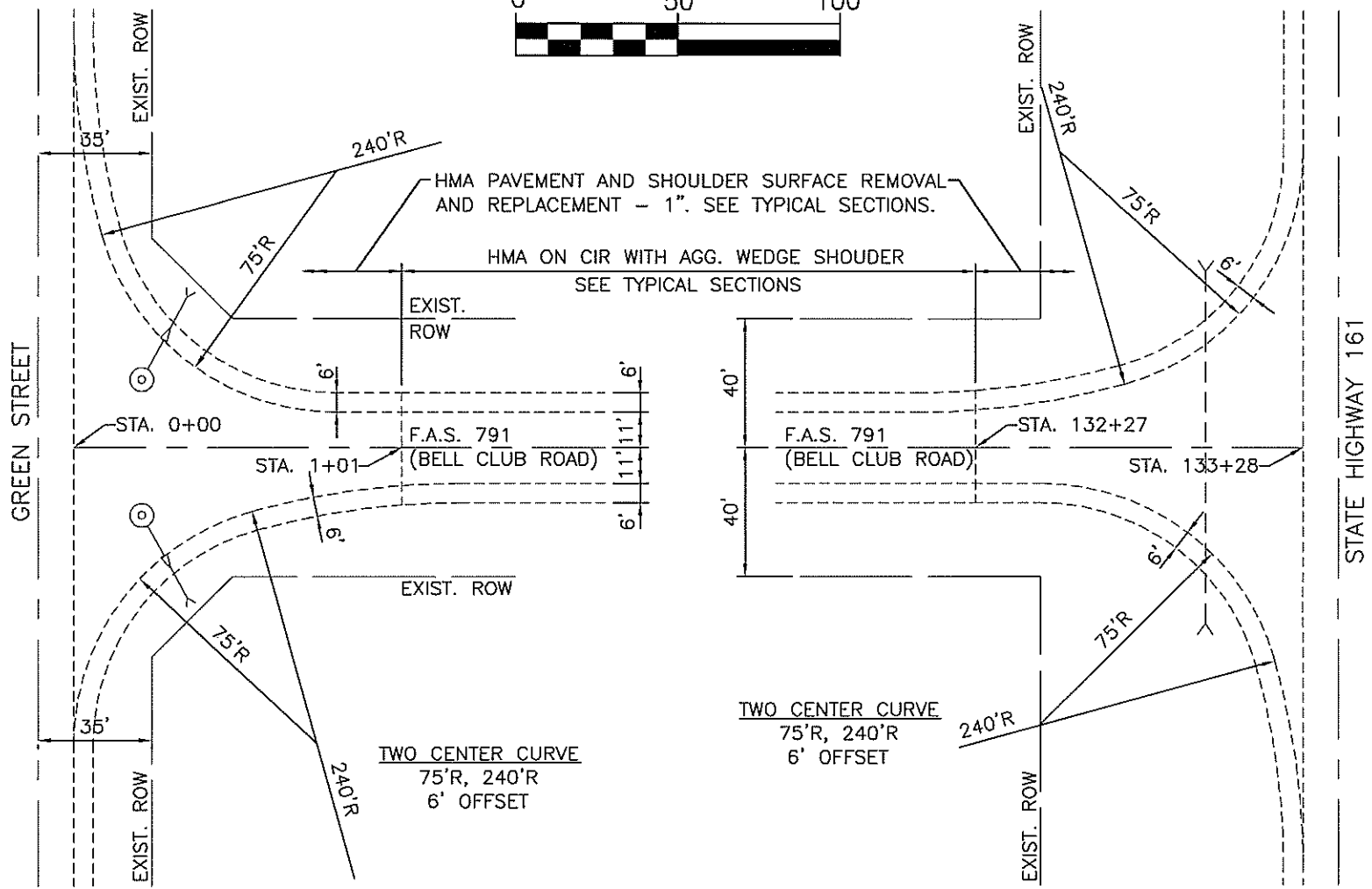
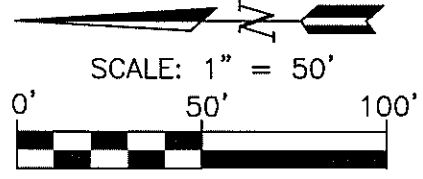


**OVERALL ROADWAY PLAN**

FAS RTE 791 (CH37/BELL CLUB ROAD)  
MARION COUNTY, IL

5001B-003 PLAN 7-OVERALL-ROADWAY-PLAN, 03-10-20

TOTAL SHEETS	SHEET NUMBER
10	8
CONTRACT NO. 97736	
SECTION 16-00138-00-RS	

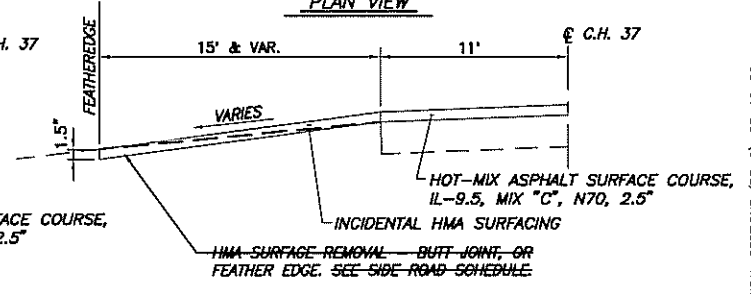
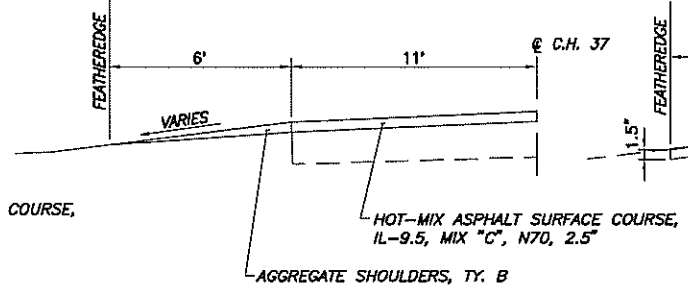
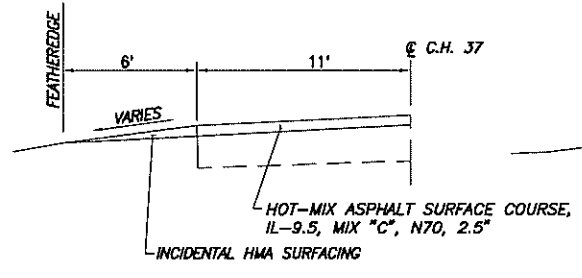
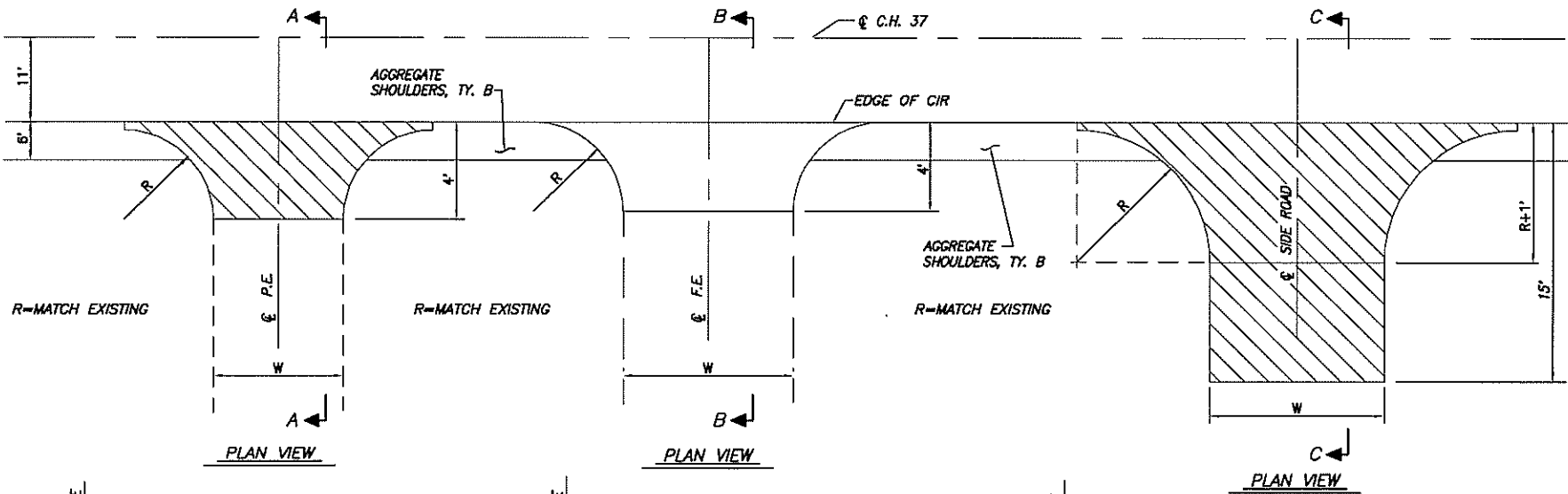


**ENLARGED INTERSECTION PLAN**  
 FAS RTE 791 (CH37/BELL CLUB ROAD)  
 MARION COUNTY, IL

50918-0031 PLANS 1B-INTERSECTIONS. 03-10-20



TOTAL SHEETS	SHEET NUMBER
<b>10</b>	<b>9</b>
CONTRACT NO. 97736	
SECTION 16-00138-00-RS	

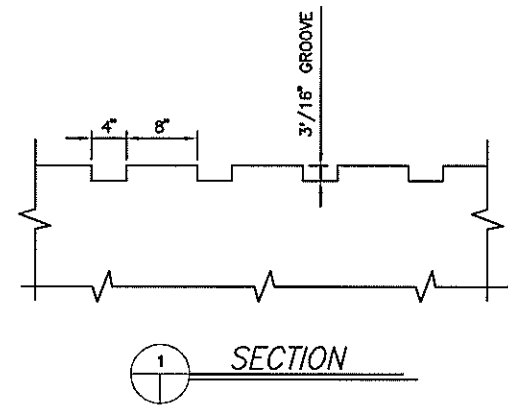
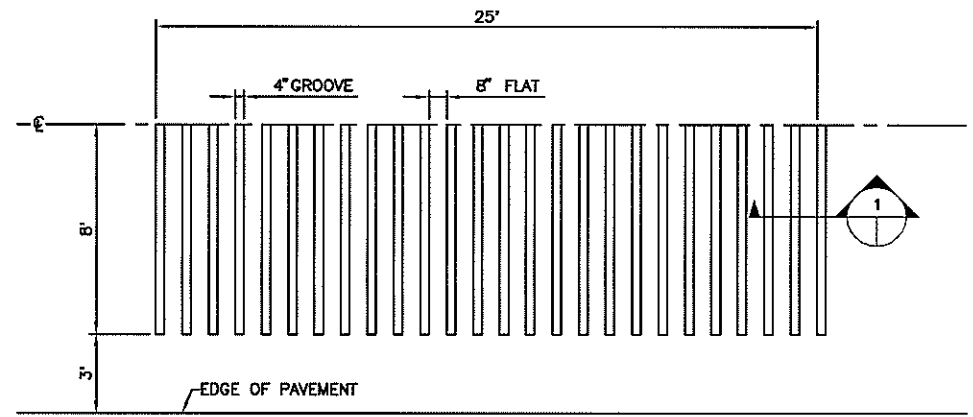
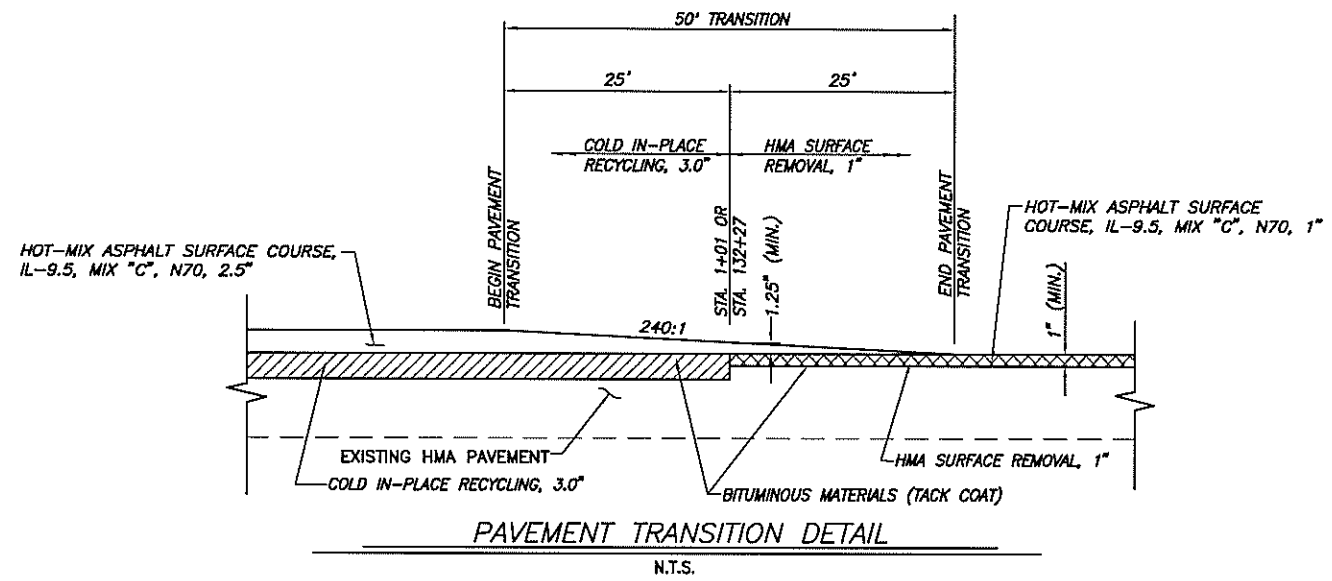


**MISCELLANEOUS DETAILS**

FAS RTE 791 (CH37/BELL CLUB ROAD)  
MARION COUNTY, IL

50918-003\PLANS\4-TYPICAL SECTIONS (PS-9). 03-10-20

TOTAL SHEETS	SHEET NUMBER
10	10
CONTRACT NO. 97736	
SECTION 16-00138-00-RS	



**MISCELLANEOUS DETAILS**

FAS RTE 791 (CH37/BELL CLUB ROAD)  
MARION COUNTY, IL

50918-003 PLAN 5-4-TYPICAL SECTIONS (PS-10) 03-10-20