

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

PROJECT LOCATED IN THE VILLAGE OF BULL VALLEY, CITY OF WOODSTOCK, DORR TOWNSHIP AND NUNDA TOWNSHIP

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**PLANS FOR PROPOSED
FEDERAL AID HIGHWAY**
FAU ROUTE 0034 (COUNTRY CLUB ROAD)
WEST VILLAGE LIMITS TO EAST VILLAGE LIMITS
FAU ROUTE 3860 (BULL VALLEY ROAD)
VALLEY HILL ROAD TO EAST NUNDA TOWNSHIP LIMITS
RESURFACING
SECTION NO. 13-00006-00-RS
PROJECT NO.: M-4003(194)
VILLAGE OF BULL VALLEY
MCHENRY COUNTY
C-91-330-13

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0034/3860	13-00006-00-RS	MCHENRY	33	1
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED AID PROJECT M-4003(194)	
CONTRACT NO. 63846				

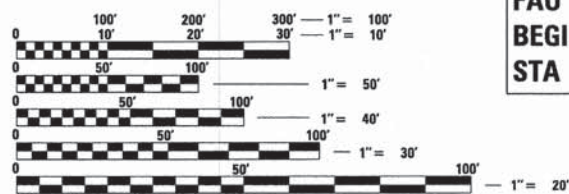


TRAFFIC DATA

COUNTRY CLUB ROAD
POSTED SPEED LIMIT = 40-45 MPH
2013 ADT = 8,265 VPD
BULL VALLEY ROAD
POSTED SPEED LIMIT = 40-45 MPH
2013 ADT = 6,290 VPD

DESIGN DESIGNATION
MAJOR COLLECTOR

BAXTER & WOODMAN, INC
STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2015



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. DESIGN STAGE REQUEST
DIG. No. A0650226/A1501027

CONTACT JULIE AT 811
OR 800-892-0123

WITH THE FOLLOWING:

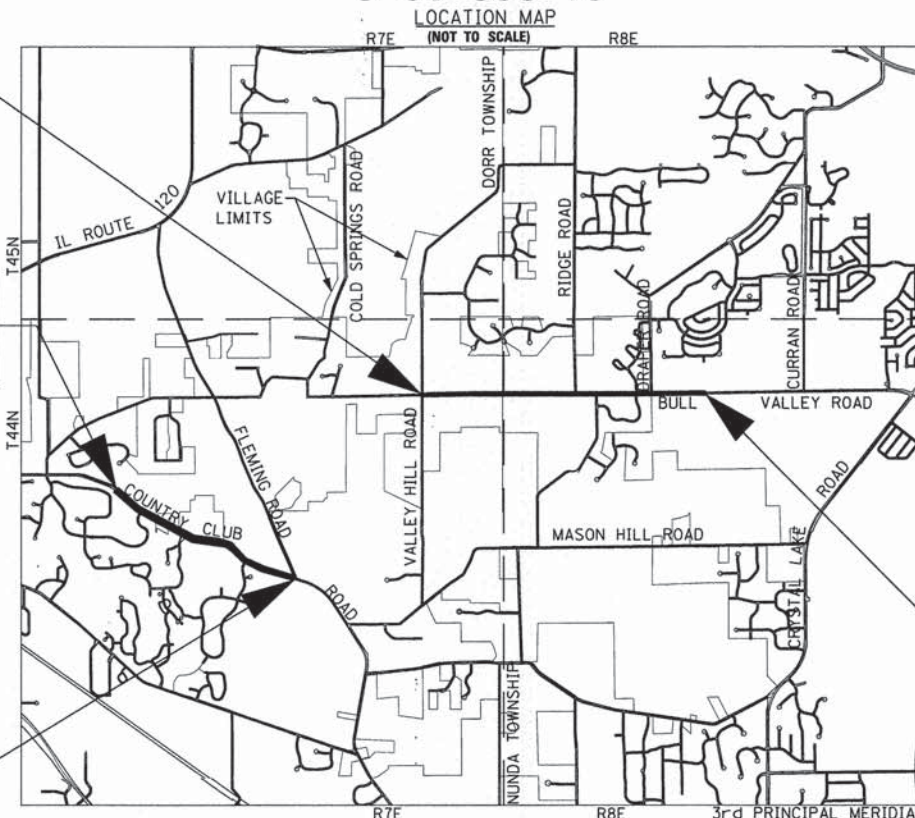
COUNTY = MCHENRY
CITY-TWNSHP. = BULL VALLEY-DORR & NUNDA, WOODSTOCK-DORR
SEC. & 1/4 SEC. NO. = COUNTRY CLUB ROAD N 1/2 SEC 10, NW 1/4 SEC 11, S 1/2 SEC 11 T44N, R7E
48 HOURS (2 working days) BEFORE YOU DIG BULL VALLEY ROAD S 1/2 SEC 1, T44N, R7E
S 1/2 SEC 6, SW 1/4 SEC 5, T44N, R8E

CONTRACT NO. 63846

**FAU 3860 BULL VALLEY ROAD
IMPROVEMENT BEGINS
STA. 99 + 45**

**FAU 0034 COUNTRY CLUB ROAD
BEGIN IMPROVEMENTS
STA 24 + 80**

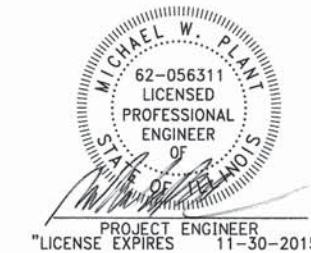
**FAU 0034 COUNTRY CLUB ROAD
END IMPROVEMENTS
STA 94 + 80**



DORR TOWNSHIP & NUNDA TOWNSHIP
GROSS LENGTH OF IMPROVEMENT = 16,638 LF OR 3.151 MILES
NET LENGTH OF IMPROVEMENT = 16,638 LF OR 3.151 MILES



**FAU 3860 BULL VALLEY ROAD
IMPROVEMENT ENDS
STA 195 + 83**



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED February 12, 2014
RVA
VILLAGE OF BULL VALLEY, REPRESENTATIVE

PASSED FEBRUARY 13, 2014
C.H.H. C.H.H.
DISTRICT 1 ENGINEER OR LOCAL ROADS AND STREETS

RELEASING FOR BID
BASED ON
LIMITED
REVIEW February 13, 2014
John Fortmann
DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

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 MAY BE REPRODUCED OR TRANSMITTED IN ANY
 FORM OR BY ANY MEANS, ELECTRONIC OR
 MECHANICAL, INCLUDING PHOTOCOPYING,
 RECORDING, OR BY ANY INFORMATION
 STORAGE AND RETRIEVAL SYSTEM, WITHOUT
 PERMISSION IN WRITING FROM BAXTER &
 WOODMAN, INC.
 FEDERAL AID PROGRAM ENGINEER FAWAD AQUEEL, P.E., PT0E (847-705-4021), SCHAUMBURG, IL

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, AND THE LATEST EDITION OF THE FOLLOWING STATE OF ILLINOIS SPECIFICATIONS: "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (REFERRED TO AS THE "STANDARD SPECIFICATIONS"), THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" AND THE "MANUAL OF TEST PROCEDURES FOR MATERIALS"
2. UTILITY LOCATIONS HAVE NOT BEEN SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES, INCLUDING SPRINKLER SYSTEMS, EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS.
3. THE CONTRACTOR SHALL NOTIFY THE VILLAGE ADMINISTRATOR AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK TO OBTAIN VILLAGE UTILITY LOCATIONS AND SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER AND THE VILLAGE ADMINISTRATOR TELEPHONE NO. 815-459-4833.
4. ALL CONSTRUCTION PERSONNEL WILL BE REQUIRED TO WEAR A FLUORESCENT VEST PER ARTICLE 701.12 AND 701.13 OF THE STANDARD SPECIFICATIONS AT ALL TIMES WHILE ON THE CONSTRUCTION SITE. COMPLIANCE WITH THIS REQUIREMENT SHALL BE INCLUDED IN THE CONTRACT.
5. ACCESS TO PRIVATE DRIVEWAYS SHALL BE PROVIDED AT ALL TIMES EXCEPT DURING ACTUAL CONSTRUCTION ADJACENT THERE TO. TEMPORARY RAMPS SHALL BE CONSTRUCTED AS NEEDED TO PROVIDE SUCH ACCESS, UTILIZING TEMPORARY ACCESS.
6. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY RESIDENTS AND THE ENGINEER WHEN ACCESS TO THEIR DRIVEWAYS WILL BE TEMPORARILY CLOSED DUE TO DRIVEWAY REPLACEMENT. THE CONTRACTOR SHALL DISTRIBUTE NOTICES PROVIDED BY THE ENGINEER TO RESIDENTS AT LEAST 24 HOURS PRIOR TO PLANNED CLOSURE. EVERY EFFORT SHALL BE MADE TO ACCOMMODATE ACCESS TO THESE PROPERTIES INCLUDING KNOCKING ON DOORS WHEN DRIVEWAYS ARE ABOUT TO BE CLOSED.
7. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS OR PROPERTY OR REFERENCE MARKERS UNTIL THE OWNERS, HIS AGENT OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.
8. EXISTING PAVEMENT AND DRIVEWAY PAVEMENT TO REMAIN IN PLACE SHALL BE SAW CUT FULL DEPTH TO PROVIDE A NEAT VERTICAL FACE BETWEEN THE PROPOSED AND EXISTING AND SHALL BE INCLUDED IN THE PRICE OF THE APPROPRIATE REMOVAL PAY ITEM.
9. THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE I OR TYPE II BARRICADE USED. ONE (1) WEIGHTED SANDBAG SHALL BE PLACED ACROSS EACH BOTTOM RAIL.
10. THE DAYS PAVING OPERATION SHOULD RESULT IN A SINGLE TRANSVERSE JOINT. ANY COLD LONGITUDINAL JOINTS WILL NOT BE ACCEPTED. PROVIDING A SINGLE TRANSVERSE JOINT SHALL BE ACCOMPLISHED BY PAVING ONE LANE OF SUFFICIENT LENGTH THAT WILL ALLOW FOR THE PAVING OF THE ADJACENT LANE IN THE SAME DAY.
11. IN AREAS WHERE THE EXISTING DRIVEWAY IS TO BE REMOVED AND REPLACED, THE REMOVAL AND DISPOSAL OF ANY ADDITIONAL MATERIAL REQUIRED TO ESTABLISH THE PROPOSED DRIVEWAY SUBGRADE ELEVATION SHALL BE INCLUDED IN THE REMOVAL PAY ITEMS.
12. ALL POSTS, RAILROAD TIES, AND DECORATIVE TIMBER IN CONFLICT WITH THE PROPOSED IMPROVEMENTS SHALL BE REMOVED AND RELOCATED AS DETERMINED BY THE ENGINEER AT THE TIME OF CONSTRUCTION AND SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION. EVERY EFFORT SHALL BE MADE BY THE CONTRACTOR WHEN REMOVING THESE ITEMS TO PRESERVE THEM FROM HARM. ITEMS NOT RELOCATED SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR.
13. A PORTABLE BATHROOM(S) SHALL BE PLACED ON THE JOB SITE(S) AND RELOCATED WHEN NECESSARY SO IT IS ACCESSIBLE TO WORKERS. IF WORK IS OCCURRING AT SEVERAL LOCATIONS, ONE PORTABLE BATHROOM SHALL BE PLACED AT EACH LOCATION WITHIN A REASONABLE DISTANCE FROM THE WORK AS DETERMINED BY THE ENGINEER. THIS SHALL BE INCLUDED IN THE PAY ITEM FOR MOBILIZATION.
14. ALL CRACKS AND JOINTS SHALL BE CLEANED PRIOR TO FILLING THEM. THIS WORK SHALL BE INCLUDED IN THE ITEM "MIXTURE FOR CRACKS, JOINTS AND FLANGEWAYS."
15. THE PRIME COAT APPLICATION RATE SHALL BE 0.1 GAL/SY. THE MC-30 PRIME COAT APPLICATION RATE SHALL BE 0.3 GAL/SY.
16. ON RURAL PAVEMENTS BEING RESURFACED THAT DO NOT HAVE A PAVED SHOULDER, MAILBOX TURNOUTS SHALL BE PROVIDED AT EACH EXISTING MAILBOX FOR THE FULL WIDTH OF THE SHOULDER UP TO 6 INCHES FROM THE FACE OF THE EXISTING MAILBOX. MAILBOX TURNOUTS SHALL BE AT LEAST 2 INCHES THICK AND SHALL BE PAID FOR AS HMA SURFACE COURSE.
17. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS, AND SHALL NOT EXCEED 1 INCH WHERE THE SPEED LIMIT IS OVER 45 MPH. A MAXIMUM GRADE DIFFERENCE OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM OF 1:3 (V:H), AS DETERMINED BY THE ENGINEER.

18. NO STREET CLOSURES WILL BE ALLOWED.
19. THE CONTRACTOR SHALL CONTACT THE LOCAL AGENCY MATERIAL INSPECTOR AT LEAST 48 HOURS PRIOR TO ANY HOT-MIX ASPHALT MATERIAL DELIVERIES.
20. THE LOCATIONS OF THE CLASS D PATCHES SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.
21. ALL AGGREGATE USED ON THIS PROJECT SHALL BE CRUSHED MATERIAL.
22. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETING EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
23. AGGREGATE WEDGE SHOULDER, TYPE B SHALL MEET THE REQUIREMENTS OF ARTICLE 1004.4 OF THE STANDARD SPECIFICATIONS. RECLAIMED ASPHALT PAVEMENT (RAP) SHALL NOT BE ALLOWED AS AN ACCEPTABLE MATERIAL FOR AGGREGATE WEDGE SHOULDER, TYPE B.
24. THE CONTRACTOR SHALL UTILIZE A MECHANICAL SWEEPER TO CLEAN STREETS AFFECTED BY CONTRACTORS OPERATIONS, INCLUDING HAUL ROUTES, AT LEAST TWICE PER WEEK AND ADDITIONALLY AS DETERMINED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF MOBILIZATION.
25. ANY SIGNS THAT ARE IN CONFLICT WITH THE PROPOSED CONSTRUCTION SHALL BE REMOVED AND REPLACED IN ACCORDANCE WITH VILLAGE STANDARDS AND INCLUDED IN THE PAY ITEM FOR MOBILIZATION.
26. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ROADWAYS AND DRIVEWAYS AT ALL TIMES WITH THE USE OF TEMPORARY AGGREGATE. THIS WORK SHALL BE INCLUDED IN THE PRICE OF THE APPROPRIATE REMOVAL OR REPLACEMENT PAY ITEM(S).

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- BD32 BUTT JOINT AND HMA TAPER DETAILS
- TC10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
- TC11 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)
- TC13 DISTRICT 1 TYPICAL PAVEMENT MARKINGS
- TC14 TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
- TC16 PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
- TC22 ARTERIAL ROAD INFORMATION SIGN

HIGHWAY STANDARDS

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
- 442201-03 CLASS C AND D PATCHES
- 701011-04 OFF-RD MOVING OPERATIONS, 2L, 2W DAY ONLY
- 701201-04 LANE CLOSURE, 2L, 2W, DAY ONLY FOR SPEEDS > 45 MPH
- 701301-04 LANE CLOSURE, 2L, 2W SHORT TIME OPERATIONS
- 701306-03 LANE CLOSURE, 2L, 2W SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS > 45 MPH
- 701311-03 LANE CLOSURE, 2L, 2W MOVING OPERATIONS - DAY ONLY
- 701336-06 LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES FOR SPEEDS > 45 MPH
- 701501-06 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
- 701901-03 TRAFFIC CONTROL DEVICES
- BLR 24-2 MAILBOX TURNOUT FOR LOCAL ROADS

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DESIGNED - JDM	REVISED - 100T REVIEW 8/19/13
DRAWN - CJC	REVISED -
CHECKED - MWP	REVISED -
DATE - 6/12/13	FILE - 120864-SH-GenNotes.sht

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, HIGHWAY STANDARDS,
GENERAL NOTES AND DISTRICT ONE DETAILS**

SCALE: NONE

STA. TO STA.

F.A.U. RTE. 0034/3860	SECTION 13-00006-00-RS	COUNTY MCHENRY	TOTAL SHEETS 33	SHEET NO. 2
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-40031941			CONTRACT NO. 63846	

DESIGNED BY JAMES E. WOODMAN, INC. WOODMAN, INC. 1000 N. WOODMAN BLVD. DEERFIELD, IL 60015
 LICENSE NO. 184-00031 - EXPIRES 4/30/2015
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DESIGNED - JDM	REVISED - IDOT REVIEW 8/19/13
DRAWN - CJC	REVISED -
CHECKED - MWP	REVISED -
DATE - 6/12/13	FILE - 120864-SH_S00.shx

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE		
			URBAN	COUNTRY CLUB ROAD	BULL VALLEY ROAD
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	0005 QUANTITY	0005 QUANTITY
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	15	0	15
20800150	TRENCH BACKFILL	CU YD	40	0	40
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	50	50	0
21400100	GRADING AND SHAPING DITCHES	FOOT	300	300	0
25000100	SEEDING, CLASS 1	ACRE	0.08	0.07	0.01
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	10	7	3
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	10	7	3
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	10	7	3
25100630	EROSION CONTROL BLANKET	SQ YD	351	300	51
28100101	STONE RIPRAP, CLASS A1	SQ YD	22	0	22
28100107	STONE RIPRAP, CLASS A4	SQ YD	22	0	22
28200200	FILTER FABRIC	SQ YD	22	0	22
# 30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	15	0	15
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	48	22	26
40600300	AGGREGATE (PRIME COAT)	TON	188	81	107
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	15	9	6
# 40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	2,218	1,074	1,144
40600895	CONSTRUCTING TEST STRIP	EACH	2	2	0
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1,399	627	772
# 40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	4,604	2,017	2,587
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	32,561	20,631	11,930
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	9,842	0	9,842
44201692	CLASS D PATCHES, TYPE II, 4 INCH	SQ YD	112	21	91
44201694	CLASS D PATCHES, TYPE III, 4 INCH	SQ YD	23	23	0
44201696	CLASS D PATCHES, TYPE IV, 4 INCH	SQ YD	7,448	1,962	5,486
44201717	CLASS D PATCHES, TYPE II, 6 INCH	SQ YD	1,983	1,150	833
44201721	CLASS D PATCHES, TYPE III, 6 INCH	SQ YD	372	114	258
44201723	CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	1,393	1,134	259
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	253	221	32
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	116	0	116

* INDICATES SPECIALTY ITEM
 # INDICATES SPECIAL PROVISION
 \$ INDICATES CONSTRUCTION CODE 0042 TRAINEES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0034/3860	13-00006-00-RS	MCHENRY	33	3
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT M-4003194	

SCALE: NONE STA. TO STA.

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 STATE OF ILLINOIS PROFESSIONAL ENGINEER
 BAXTER, WOODMAN & ASSOCIATES, INC.
 234446



DESIGNED - JDM	REVISED - IDOT REVIEW 8/19/13
DRAWN - CJC	REVISED -
CHECKED - MWP	REVISED -
DATE - 6/12/13	FILE - 120864_SH.S00.shp

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: _____ STA. _____ TO STA. _____

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0034/3860	13-00006-00-RS	MCHENRY	33	4
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003U94			CONTRACT NO. 63846	

SUMMARY OF QUANTITIES			URBAN	CONSTRUCTION TYPE CODE	
				COUNTRY CLUB ROAD 0005	BULL VALLEY ROAD 0005
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	1,598	1,520	78
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	1,368	720	648
50105220	PIPE CULVERT REMOVAL	FOOT	102	0	102
542D1057	PIPE CULVERTS, CLASS D, TYPE 2 12"	FOOT	68	0	68
542D1069	PIPE CULVERTS, CLASS D, TYPE 2 24"	FOOT	34	0	34
54215547	METAL END SECTIONS 12"	EACH	4	0	4
54215559	METAL END SECTIONS 24"	EACH	2	0	2
67100100	MOBILIZATION	L SUM	1	0.46	0.54
# 70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	0.46	0.54
# 70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	0.46	0.54
# 70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	0.46	0.54
# 70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	0.46	0.54
70300100	SHORT TERM PAVEMENT MARKING	FOOT	10,128	4,918	5,210
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	3,379	1,641	1,738
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	148	111	37
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	67,481	32,032	35,449
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	543	438	105
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	664	664	0
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	135	0	135
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	824	384	440
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	236	236	0
# X2020110	GRADING AND SHAPING SHOULDERS	UNIT	340	144	196
# Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	156	78	78
\$ Z0076600	TRAINEES	HOUR	500		
\$ Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500		

* INDICATES SPECIALTY ITEM
 # INDICATES SPECIAL PROVISION
 \$ INDICATES CONSTRUCTION CODE 0042 TRAINEES

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

CONTRACTOR WILL MILL FIRST

MIXTURE TYPE	AIR VOIDS @ Ndes
RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 1-1/2", 1-3/4", 2", 2-1/4"	4% @ 50 GYR
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL 4.75 N50; 3/4", 1"	3.5% @ 50 GYR
PATCHING	
CLASS D PATCHES (HOT-MIX ASPHALT BINDER, IL 19mm); 4" (1 lift), 6" (2 lifts), 10" (3 lifts), 12" (4 lifts)	4% @ 70 GYR
DRIVEWAYS	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 1-1/2", 1-3/4", 2", 2-1/4"	4% @ 50 GYR
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL 4.75 N50; 3/4", 1"	3.5% @ 50 GYR

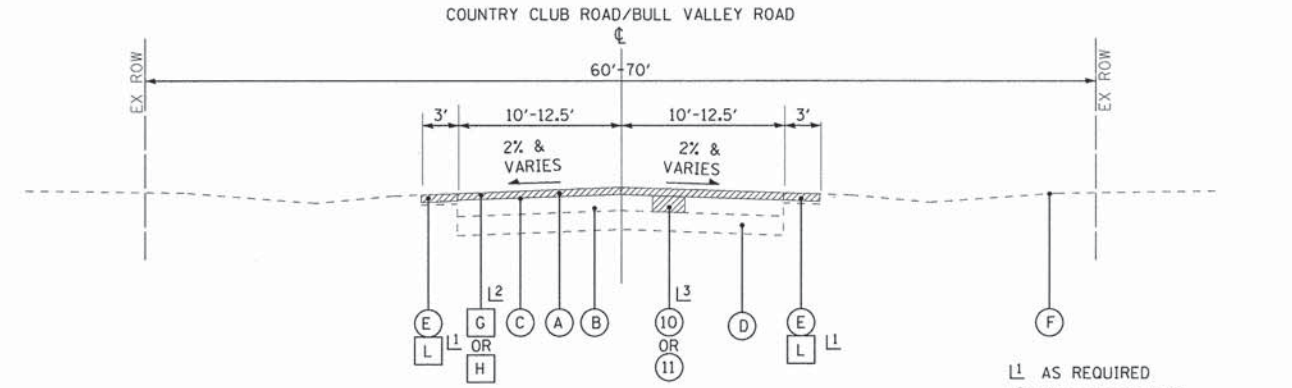
THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112LB/SY-IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

EXISTING PAVEMENT THICKNESS TABLE

STREET	EXISTING HOT-MIX ASPHALT SURFACE	EXISTING HOT-MIX ASPHALT BINDER/TREATED AGGREGATE	HOT-MIX ASPHALT SURFACE REMOVAL	STREET	EXISTING HOT-MIX ASPHALT SURFACE	EXISTING HOT-MIX ASPHALT BINDER/TREATED AGGREGATE	HOT-MIX ASPHALT SURFACE REMOVAL
COUNTRY CLUB ROAD STA 24+80 TO 29+00	4.5", PORTIONS FAILED WITH NO BOND BETWEEN LAYERS	2"	2.25"	BULL VALLEY ROAD STA 99+45 TO 128+00	4.0" - 5.75", WITH FABRIC AT 1.25", 1.50" AND 1.75" PENDING LOCATION	2.0" - 4.0" PORTIONS FAILED	2.25" EXCEPT STA 99+45 TO STA 103+00 - 2" AND STA 103+00 TO 108+00 - 3"
COUNTRY CLUB ROAD STA 29+00 TO 40+00	4.5" - 5.0" PORTIONS FAILED WITH NO BOND BETWEEN LAYERS	1.5" - 7" PORTIONS FAILED	2.25"	BULL VALLEY ROAD STA 128+00 TO 152+50	1.25" - 2.25", WITH FABRIC AT 1", 1.25" AND 1.75" PENDING LOCATION	3.5" - 4.0", FAILED	2.25"
COUNTRY CLUB ROAD STA 40+00 TO 60+00	5.25" - 7.75", PORTIONS WITH FABRIC AT 4.0"	2.25"	2.25"	BULL VALLEY ROAD STA 152+50 TO 179+60	3" - 4", WITH FABRIC AT 1.75", 2" AND 2.25" PENDING LOCATION; PORTIONS WITH NO BOND BETWEEN LAYERS	4" - 12.0", PORTIONS FAILED	3" EXCEPT STA 160+50 TO 164+50 - 3.25"
COUNTRY CLUB ROAD STA 60+00 TO 66+00	8.5" FABRIC AT 3.0"	4.75"	0	BULL VALLEY ROAD STA 179+60 TO 195+83	7.75" FABRIC AT 4.5"	5.25" - 5.5"	0"
COUNTRY CLUB ROAD STA 66+00 TO 73+66	5.25" - 6.0" FABRIC AT 1.25"	3.5" - 4.5" PORTIONS FAILED	2.25"				
COUNTRY CLUB ROAD STA 73+66 TO 83+26	8.5" - 10.0" FABRIC AT 4.0"	2.0" - 4.5"	2.25"				
COUNTRY CLUB ROAD STA 83+26 TO 94+80	4.0" - 4.25"	3.25" - 3.5" PORTIONS FAILED	2.25"				

NOTE: PAVEMENT CORES AVAILABLE UPON REQUEST

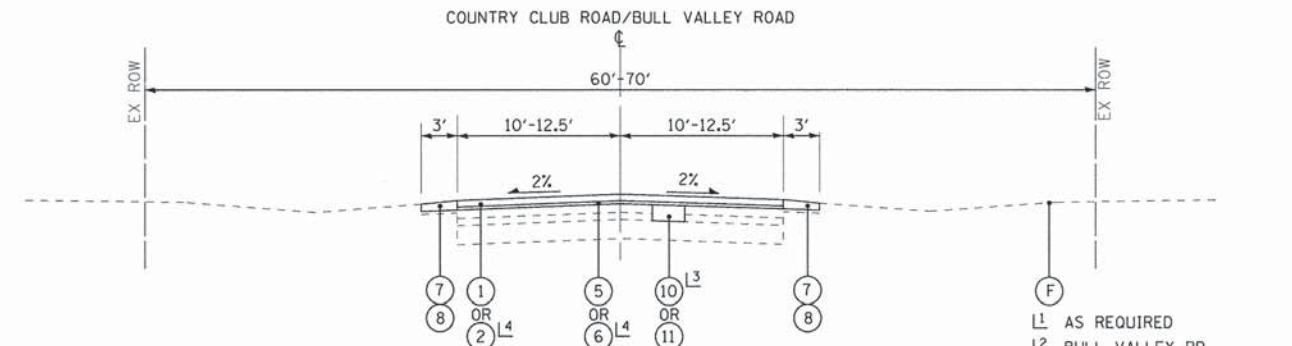


NOTE: SEE SHEET 25 FOR MILLING TRANSITIONS AT END STATIONS.

EXISTING TYPICAL SECTION

COUNTRY CLUB ROAD	BULL VALLEY ROAD
STA 24+80 TO STA 29+00	STA 99+45 TO STA 103+00
STA 40+00 TO STA 45+84	STA 108+00 TO STA 128+00
STA 66+00 TO STA 73+66	
STA 83+26 TO STA 94+80	

- L1 AS REQUIRED
- L2 BULL VALLEY RD STA 99+45 TO STA 103+00
- L3 COUNTRY CLUB RD STA 24+80 TO STA 29+00 BULL VALLEY RD STA 99+45 TO STA 103+00
- L4 COUNTRY CLUB RD STA 83+26 TO STA 94+80



PROPOSED TYPICAL SECTION

COUNTRY CLUB ROAD	BULL VALLEY ROAD
STA 24+80 TO STA 29+00	STA 99+45 TO STA 103+00
STA 40+00 TO STA 45+84	STA 108+00 TO STA 128+00
STA 66+00 TO STA 73+66	
STA 83+26 TO STA 94+80	

- L1 AS REQUIRED
- L2 BULL VALLEY RD STA 99+45 TO STA 103+00
- L3 COUNTRY CLUB RD STA 24+80 TO STA 29+00 BULL VALLEY RD STA 99+45 TO STA 103+00
- L4 COUNTRY CLUB RD STA 83+26 TO STA 94+80

EXISTING LEGEND

- (A) EXISTING HOT-MIX ASPHALT SURFACE (SEE EXISTING PAVEMENT THICKNESS TABLE)
- (B) EXISTING HOT-MIX ASPHALT BINDER/TREATED AGGREGATE (SEE EXISTING PAVEMENT THICKNESS TABLE)
- (C) EXISTING AREA REFLECTIVE CRACK CONTROL
- (D) EXISTING CRUSHED AND UNCRUSHED GRAVEL AND SAND, 6" - 17 1/2"
- (E) EXISTING AGGREGATE SHOULDER, 4"
- (F) EXISTING GROUND SURFACE
- (G) HOT-MIX ASPHALT SURFACE REMOVAL, 2" (PAID FOR AS [H])
- (H) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- (J) HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- (K) HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4" (PAID FOR AS [J])
- (L) AGGREGATE SHOULDER REMOVAL, 2" MIN EXACT THICKNESS VARIES (MATCH HOT-MIX ASPHALT SURFACE REMOVAL UNLESS OTHERWISE NOTED) (NOT PAID FOR SEPARATELY)
- [] ITEM TO BE REMOVED

PROPOSED LEGEND

- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 1/2"
- (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 3/4"
- (3) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2"
- (4) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2 1/4"
- (5) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
- (6) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 1"
- (7) GRADING AND SHAPING SHOULDERS
- (8) AGGREGATE WEDGE SHOULDER, TYPE B
- (10) CLASS D PATCHES, 4 INCH
- (11) CLASS D PATCHES, 6 INCH
- (12) CLASS D PATCHES, 10 INCH
- (13) CLASS D PATCHES, 12 INCH (PAID FOR AS (12))

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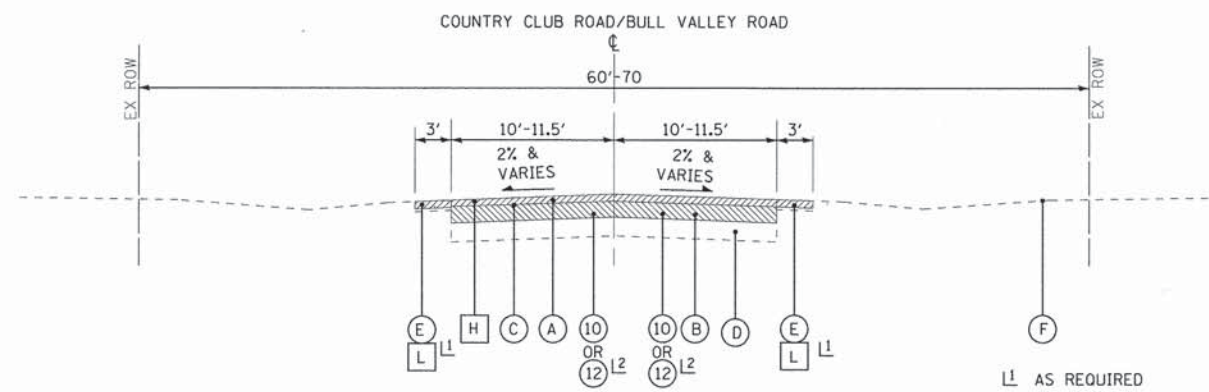
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS, EXISTING PAVEMENT THICKNESS TABLE AND HOT-MIX ASPHALT MIXTURE REQUIREMENTS

SCALE: NONE STA. TO STA.

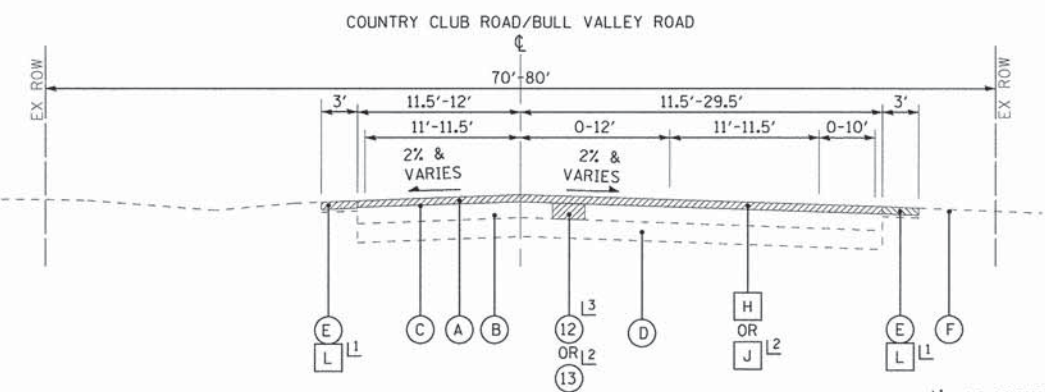
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CONTRACT NO. 63846			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003194	



EXISTING TYPICAL SECTION
COUNTRY CLUB ROAD **BULL VALLEY ROAD**
STA 29+00 TO STA 40+00 **STA 128+00 TO STA 152+00**

NOTE: SEE SHEET 25 FOR MILLING TRANSITIONS AT END STATIONS.

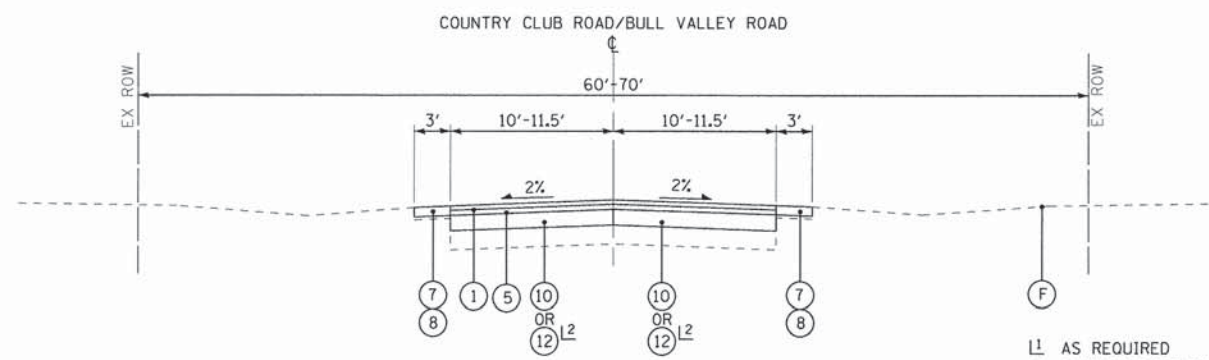
L1 AS REQUIRED
L2 COUNTRY CLUB RD STA 29+00 TO STA 34+00



EXISTING TYPICAL SECTION
COUNTRY CLUB ROAD **BULL VALLEY ROAD**
STA 45+84 TO STA 50+55 **STA 170+75 TO STA 175+00**

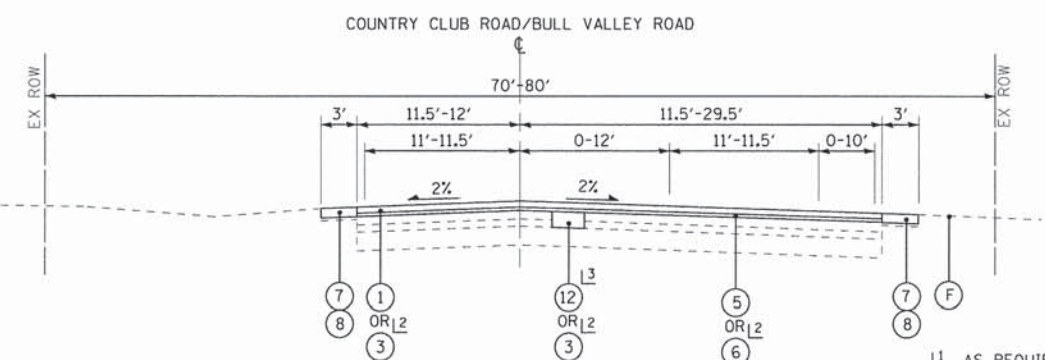
NOTE: SEE SHEET 25 FOR MILLING TRANSITIONS AT END STATIONS.

L1 AS REQUIRED
L2 BULL VALLEY RD STA 170+75 TO STA 175+00
L3 9 INCH PATCH NEEDED ADJUST FROM 10 INCH



PROPOSED TYPICAL SECTION
COUNTRY CLUB ROAD **BULL VALLEY ROAD**
STA 29+00 TO STA 40+00 **STA 128+00 TO STA 152+00**

L1 AS REQUIRED
L2 COUNTRY CLUB RD STA 29+00 TO STA 34+00



PROPOSED TYPICAL SECTION
COUNTRY CLUB ROAD **BULL VALLEY ROAD**
STA 45+84 TO STA 50+55 **STA 170+75 TO STA 175+00**

L1 AS REQUIRED
L2 BULL VALLEY ROAD STA 170+75 TO STA 175+00
L3 9 INCH PATCH NEEDED ADJUST FROM 10 INCH

EXISTING PAVEMENT THICKNESS TABLE

STREET	EXISTING HOT-MIX ASPHALT SURFACE	EXISTING HOT-MIX ASPHALT BINDER/TREATED AGGREGATE	HOT-MIX ASPHALT SURFACE REMOVAL	STREET	EXISTING HOT-MIX ASPHALT SURFACE	EXISTING HOT-MIX ASPHALT BINDER/TREATED AGGREGATE	HOT-MIX ASPHALT SURFACE REMOVAL
COUNTRY CLUB ROAD STA 24+80 TO 29+00	4.5", PORTIONS FAILED WITH NO BOND BETWEEN LAYERS	2"	2.25"	BULL VALLEY ROAD STA 99+45 TO 128+00	4.0" - 5.75", WITH FABRIC AT 1.25", 1.50" AND 1.75" PENDING LOCATION	2.0" - 4.0" PORTIONS FAILED	2.25" EXCEPT STA 99+45 TO STA 103+00 - 2" AND STA 103+00 TO 108+00 - 3"
COUNTRY CLUB ROAD STA 29+00 TO 40+00	4.5" - 5.0" PORTIONS FAILED WITH NO BOND BETWEEN LAYERS	1.5" - 7" PORTIONS FAILED	2.25"	BULL VALLEY ROAD STA 128+00 TO 152+50	1.25" - 2.25", WITH FABRIC AT 1", 1.25" AND 1.75" PENDING LOCATION	3.5" - 4.0", FAILED	2.25"
COUNTRY CLUB ROAD STA 40+00 TO 60+00	5.25" - 7.75", PORTIONS WITH FABRIC AT 4.0"	2.25"	2.25"	BULL VALLEY ROAD STA 152+50 TO 179+60	3" - 4", WITH FABRIC AT 1.75", 2" AND 2.25" PENDING LOCATION; PORTIONS WITH NO BOND BETWEEN LAYERS	4" - 12.0", PORTIONS FAILED	3" EXCEPT STA 160+50 TO 164+50 - 3.25"
COUNTRY CLUB ROAD STA 60+00 TO 66+00	8.5" FABRIC AT 3.0"	4.75"	0	BULL VALLEY ROAD STA 179+60 TO 195+83	7.75" FABRIC AT 4.5"	5.25" - 5.5"	0"
COUNTRY CLUB ROAD STA 66+00 TO 73+66	5.25" - 6.0" FABRIC AT 1.25"	3.5" - 4.5" PORTIONS FAILED	2.25"				
COUNTRY CLUB ROAD STA 73+66 TO 83+26	8.5" - 10.0" FABRIC AT 4.0"	2.0" - 4.5"	2.25"				
COUNTRY CLUB ROAD STA 83+26 TO 94+80	4.0" - 4.25"	3.25" - 3.5" PORTIONS FAILED	2.25"				

NOTE: PAVEMENT CORES AVAILABLE UPON REQUEST

EXISTING LEGEND

- (A) EXISTING HOT-MIX ASPHALT SURFACE (SEE EXISTING PAVEMENT THICKNESS TABLE)
- (B) EXISTING HOT-MIX ASPHALT BINDER/TREATED AGGREGATE
- (C) EXISTING AREA REFLECTIVE CRACK CONTROL
- (D) EXISTING CRUSHED AND UNCRUSHED GRAVEL AND SAND, 6" - 17 1/2"
- (E) EXISTING AGGREGATE SHOULDER, 4"
- (F) EXISTING GROUND SURFACE
- (G) HOT-MIX ASPHALT SURFACE REMOVAL, 2" (PAID FOR AS (H))
- (H) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- (J) HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- (K) HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4" (PAID FOR AS (J))
- (L) AGGREGATE SHOULDER REMOVAL, 2" MIN EXACT THICKNESS VARIES (MATCH HOT-MIX ASPHALT SURFACE REMOVAL UNLESS OTHERWISE NOTED) (NOT PAID FOR SEPARATELY)
- [] ITEM TO BE REMOVED

PROPOSED LEGEND

- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 1/2"
- (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 3/4"
- (3) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2"
- (4) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2 1/4"
- (5) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
- (6) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 1"
- (7) GRADING AND SHAPING SHOULDERS
- (8) AGGREGATE WEDGE SHOULDER, TYPE B
- (10) CLASS D PATCHES, 4 INCH
- (11) CLASS D PATCHES, 6 INCH
- (12) CLASS D PATCHES, 10 INCH
- (13) CLASS D PATCHES, 12 INCH (PAID FOR AS (12))

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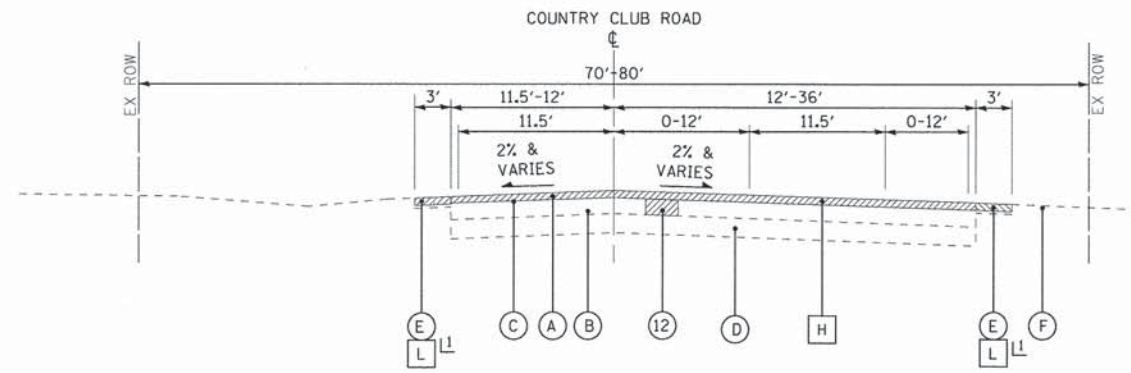
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS AND
EXISTING PAVEMENT THICKNESS TABLE

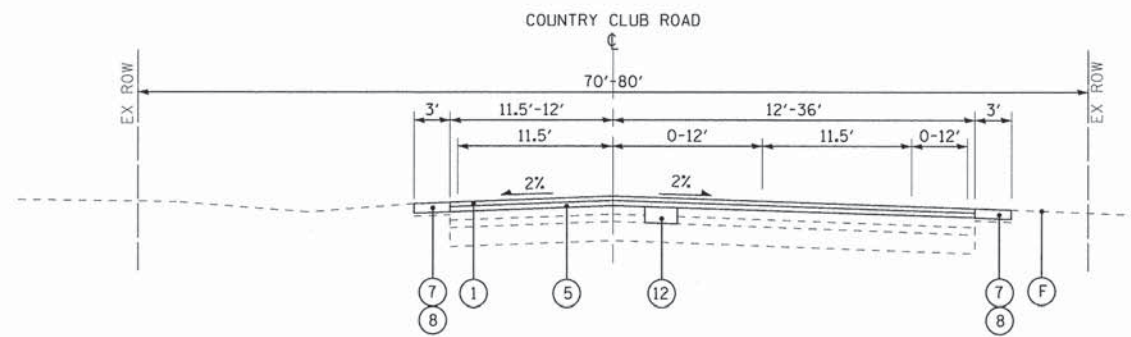
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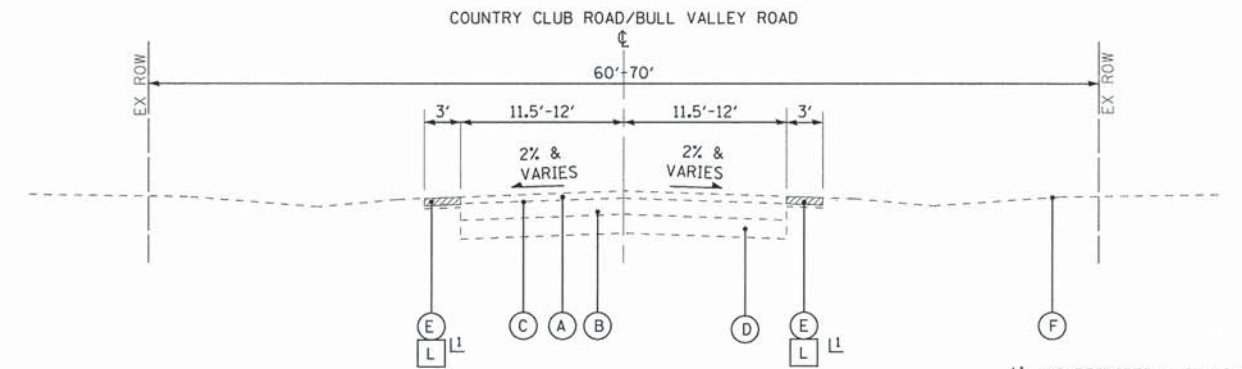


NOTE: SEE SHEET 25 FOR MILLING TRANSITIONS AT END STATIONS. LL AS REQUIRED

**EXISTING TYPICAL SECTION
COUNTRY CLUB ROAD
STA 50+55 TO STA 60+00**

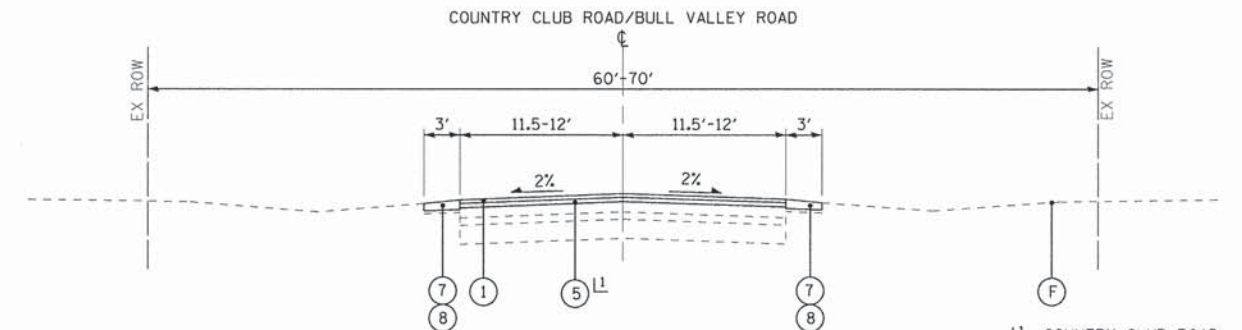


**PROPOSED TYPICAL SECTION
COUNTRY CLUB ROAD
STA 50+55 TO STA 60+00**



NOTE: SEE SHEET 25 FOR MILLING TRANSITIONS AT END STATIONS. LL AS REQUIRED - 2" MIN

**EXISTING TYPICAL SECTION
COUNTRY CLUB ROAD BULL VALLEY ROAD
STA 60+00 TO STA 66+00 STA 179+60 TO STA 195+83**



**PROPOSED TYPICAL SECTION
COUNTRY CLUB ROAD BULL VALLEY ROAD
STA 60+00 TO STA 66+00 STA 179+60 TO STA 195+83**

EXISTING PAVEMENT THICKNESS TABLE

STREET	EXISTING HOT-MIX ASPHALT SURFACE	EXISTING HOT-MIX ASPHALT BINDER/TREATED AGGREGATE	HOT-MIX ASPHALT SURFACE REMOVAL	STREET	EXISTING HOT-MIX ASPHALT SURFACE	EXISTING HOT-MIX ASPHALT BINDER/TREATED AGGREGATE	HOT-MIX ASPHALT SURFACE REMOVAL
COUNTRY CLUB ROAD STA 24+80 TO 29+00	4.5", PORTIONS FAILED WITH NO BOND BETWEEN LAYERS	2"	2.25"	BULL VALLEY ROAD STA 99+45 TO 128+00	4.0" - 5.75", WITH FABRIC AT 1.25", 1.50" AND 1.75" PENDING LOCATION	2.0" - 4.0" PORTIONS FAILED	2.25" EXCEPT STA 99+45 TO STA 103+00 - 2" AND STA 103+00 TO 108+00 - 3"
COUNTRY CLUB ROAD STA 29+00 TO 40+00	4.5" - 5.0" PORTIONS FAILED WITH NO BOND BETWEEN LAYERS	1.5" - 7" PORTIONS FAILED	2.25"	BULL VALLEY ROAD STA 128+00 TO 152+50	1.25" - 2.25", WITH FABRIC AT 1", 1.25" AND 1.75" PENDING LOCATION	3.5" - 4.0", FAILED	2.25"
COUNTRY CLUB ROAD STA 40+00 TO 60+00	5.25" - 7.75", PORTIONS WITH FABRIC AT 4.0"	2.25"	2.25"	BULL VALLEY ROAD STA 152+50 TO 179+60	3" - 4", WITH FABRIC AT 1.75", 2" AND 2.25" PENDING LOCATION; PORTIONS WITH NO BOND BETWEEN LAYERS	4" - 12.0", PORTIONS FAILED	3" EXCEPT STA 160+50 TO 164+50 - 3.25"
COUNTRY CLUB ROAD STA 60+00 TO 66+00	8.5" FABRIC AT 3.0"	4.75"	0	BULL VALLEY ROAD STA 179+60 TO 195+83	7.75" FABRIC AT 4.5"	5.25" - 5.5"	0"
COUNTRY CLUB ROAD STA 66+00 TO 73+66	5.25" - 6.0" FABRIC AT 1.25"	3.5" - 4.5" PORTIONS FAILED	2.25"				
COUNTRY CLUB ROAD STA 73+66 TO 83+26	8.5" - 10.0" FABRIC AT 4.0"	2.0" - 4.5"	2.25"				
COUNTRY CLUB ROAD STA 83+26 TO 94+80	4.0" - 4.25"	3.25" - 3.5" PORTIONS FAILED	2.25"				

NOTE: PAVEMENT CORES AVAILABLE UPON REQUEST

EXISTING LEGEND

- (A) EXISTING HOT-MIX ASPHALT SURFACE (SEE EXISTING PAVEMENT THICKNESS TABLE)
- (B) EXISTING HOT-MIX ASPHALT BINDER/TREATED AGGREGATE (SEE EXISTING PAVEMENT THICKNESS TABLE)
- (C) EXISTING AREA REFLECTIVE CRACK CONTROL
- (D) EXISTING CRUSHED AND UNCRUSHED GRAVEL AND SAND, 6" - 17 1/2"
- (E) EXISTING AGGREGATE SHOULDER, 4"
- (F) EXISTING GROUND SURFACE
- (G) HOT-MIX ASPHALT SURFACE REMOVAL, 2" (PAID FOR AS (H))
- (H) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- (J) HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- (K) HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4" (PAID FOR AS (J))
- (L) AGGREGATE SHOULDER REMOVAL, 2" MIN EXACT THICKNESS VARIES (MATCH HOT-MIX ASPHALT SURFACE REMOVAL UNLESS OTHERWISE NOTED) (NOT PAID FOR SEPARATELY)
- ▨ ITEM TO BE REMOVED

PROPOSED LEGEND

- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 1/2"
- (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 3/4"
- (3) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2"
- (4) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2 1/4"
- (5) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
- (6) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 1"
- (7) GRADING AND SHAPING SHOULDERS
- (8) AGGREGATE WEDGE SHOULDER, TYPE B
- (10) CLASS D PATCHES, 4 INCH
- (11) CLASS D PATCHES, 6 INCH
- (12) CLASS D PATCHES, 10 INCH
- (13) CLASS D PATCHES, 12 INCH (PAID FOR AS (12))

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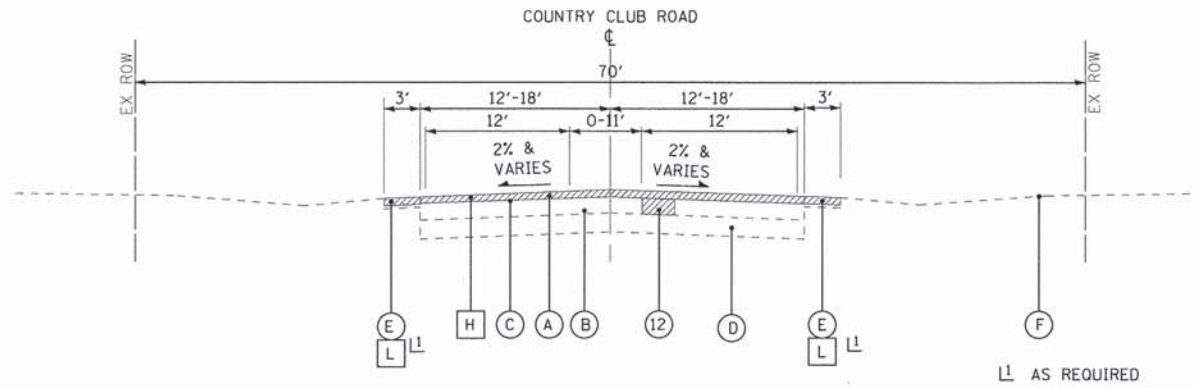
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

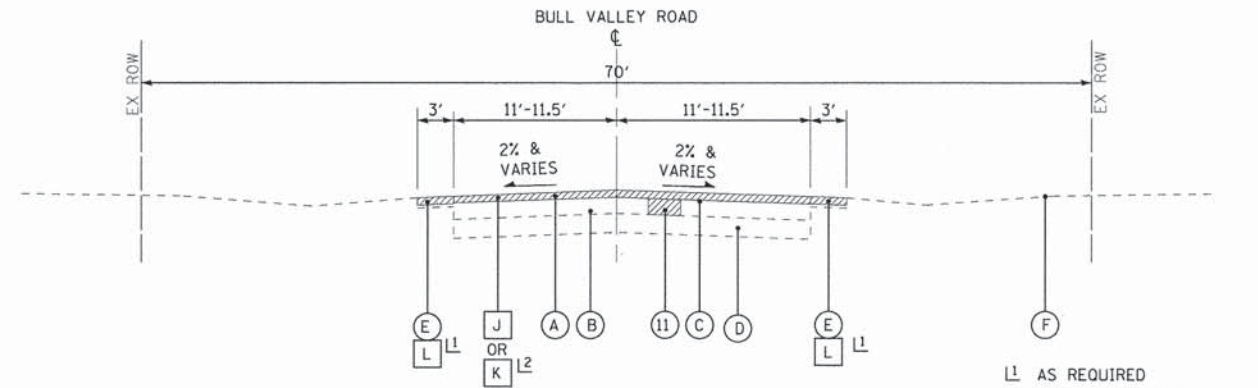
**TYPICAL SECTIONS AND
EXISTING PAVEMENT THICKNESS TABLE**

SCALE: NONE STA. TO STA.

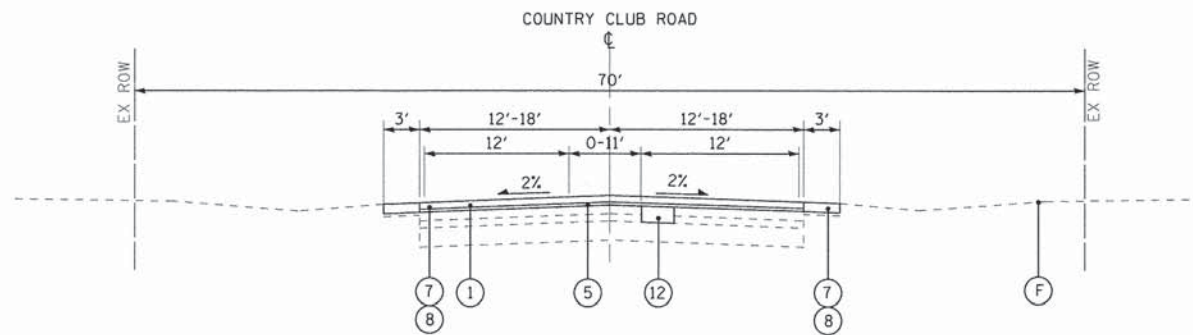
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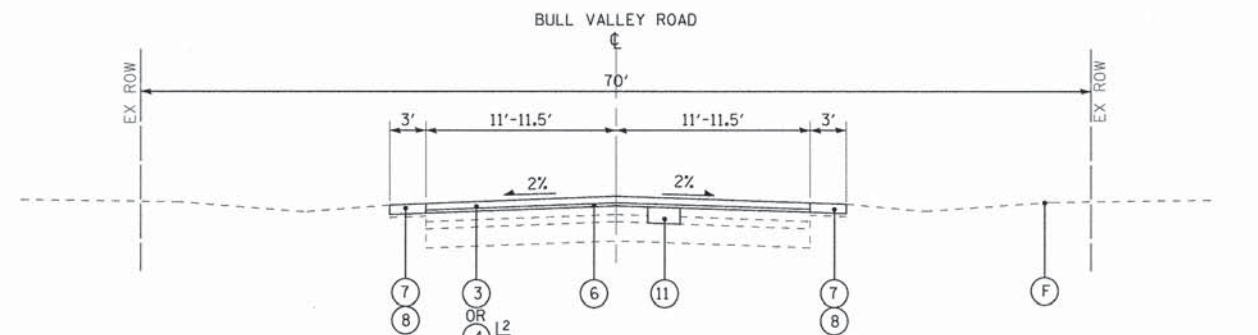
**EXISTING TYPICAL SECTION
COUNTRY CLUB ROAD
STA 73+66 TO STA 83+26**



**EXISTING TYPICAL SECTION
BULL VALLEY ROAD
STA 103+00 TO STA 108+00
STA 152+50 TO STA 170+75
STA 175+00 TO STA 179+60**



**PROPOSED TYPICAL SECTION
COUNTRY CLUB ROAD
STA 73+66 TO STA 83+26**



**PROPOSED TYPICAL SECTION
BULL VALLEY ROAD
STA 103+00 TO STA 108+00
STA 152+50 TO STA 170+75
STA 175+00 TO STA 179+60**

EXISTING PAVEMENT THICKNESS TABLE

STREET	EXISTING HOT-MIX ASPHALT SURFACE	EXISTING HOT-MIX ASPHALT BINDER/TREATED AGGREGATE	HOT-MIX ASPHALT SURFACE REMOVAL	STREET	EXISTING HOT-MIX ASPHALT SURFACE	EXISTING HOT-MIX ASPHALT BINDER/TREATED AGGREGATE	HOT-MIX ASPHALT SURFACE REMOVAL
COUNTRY CLUB ROAD STA 24+80 TO 29+00	4.5", PORTIONS FAILED WITH NO BOND BETWEEN LAYERS	2"	2.25"	BULL VALLEY ROAD STA 99+45 TO 128+00	4.0" - 5.75", WITH FABRIC AT 1.25", 1.50" AND 1.75" PENDING LOCATION	2.0" - 4.0" PORTIONS FAILED	2.25" EXCEPT STA 99+45 TO STA 103+00 - 2" AND STA 103+00 TO 108+00 - 3"
COUNTRY CLUB ROAD STA 29+00 TO 40+00	4.5" - 5.0" PORTIONS FAILED WITH NO BOND BETWEEN LAYERS	1.5" - 7" PORTIONS FAILED	2.25"	BULL VALLEY ROAD STA 128+00 TO 152+50	1.25" - 2.25", WITH FABRIC AT 1", 1.25" AND 1.75" PENDING LOCATION	3.5" - 4.0", FAILED	2.25"
COUNTRY CLUB ROAD STA 40+00 TO 60+00	5.25" - 7.75", PORTIONS WITH FABRIC AT 4.0"	2.25"	2.25"	BULL VALLEY ROAD STA 152+50 TO 179+60	3" - 4", WITH FABRIC AT 1.75", 2" AND 2.25" PENDING LOCATION; PORTIONS WITH NO BOND BETWEEN LAYERS	4" - 12.0", PORTIONS FAILED	3" EXCEPT STA 160+50 TO 164+50 - 3.25"
COUNTRY CLUB ROAD STA 60+00 TO 66+00	8.5" FABRIC AT 3.0"	4.75"	0	BULL VALLEY ROAD STA 179+60 TO 195+63	7.75" FABRIC AT 4.5"	5.25" - 5.5"	0"
COUNTRY CLUB ROAD STA 66+00 TO 73+66	5.25" - 6.0" FABRIC AT 1.25"	3.5" - 4.5" PORTIONS FAILED	2.25"				
COUNTRY CLUB ROAD STA 73+66 TO 83+26	8.5" - 10.0" FABRIC AT 4.0"	2.0" - 4.5"	2.25"				
COUNTRY CLUB ROAD STA 83+26 TO 94+80	4.0" - 4.25"	3.25" - 3.5" PORTIONS FAILED	2.25"				

NOTE: PAVEMENT CORES AVAILABLE UPON REQUEST

EXISTING LEGEND

- (A) EXISTING HOT-MIX ASPHALT SURFACE (SEE EXISTING PAVEMENT THICKNESS TABLE)
- (B) EXISTING HOT-MIX ASPHALT BINDER/TREATED AGGREGATE (SEE EXISTING PAVEMENT THICKNESS TABLE)
- (C) EXISTING AREA REFLECTIVE CRACK CONTROL
- (D) EXISTING CRUSHED AND UNCRUSHED GRAVEL AND SAND, 6" - 17 1/2"
- (E) EXISTING AGGREGATE SHOULDER, 4"
- (F) EXISTING GROUND SURFACE
- (G) HOT-MIX ASPHALT SURFACE REMOVAL, 2" (PAID FOR AS (H))
- (H) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- (J) HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- (K) HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4" (PAID FOR AS (L))
- (L) AGGREGATE SHOULDER REMOVAL, 2" MIN EXACT THICKNESS VARIES (MATCH HOT-MIX ASPHALT SURFACE REMOVAL UNLESS OTHERWISE NOTED) (NOT PAID FOR SEPARATELY)
- ▨ ITEM TO BE REMOVED

PROPOSED LEGEND

- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 1/2"
- (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 3/4"
- (3) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2"
- (4) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2 1/4"
- (5) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
- (6) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 1"
- (7) GRADING AND SHAPING SHOULDERS
- (8) AGGREGATE WEDGE SHOULDER, TYPE B
- (10) CLASS D PATCHES, 4 INCH
- (11) CLASS D PATCHES, 6 INCH
- (12) CLASS D PATCHES, 10 INCH
- (13) CLASS D PATCHES, 12 INCH (PAID FOR AS (12))

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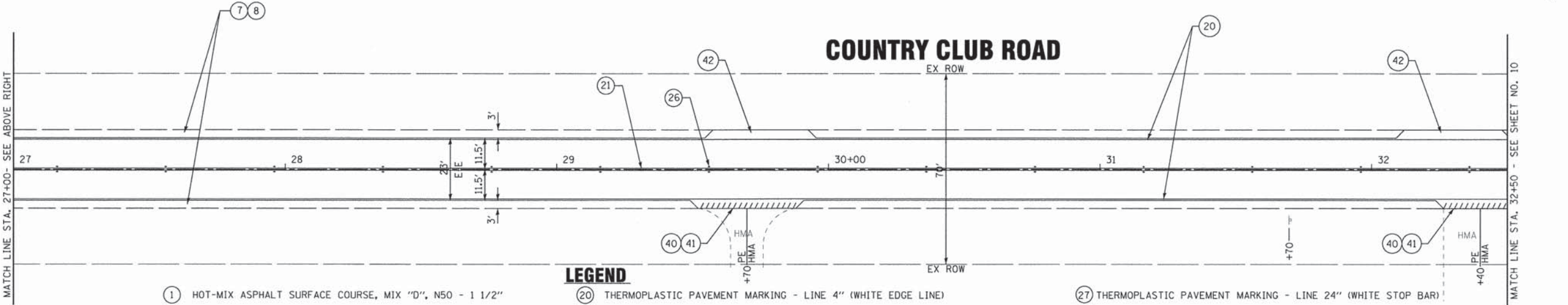
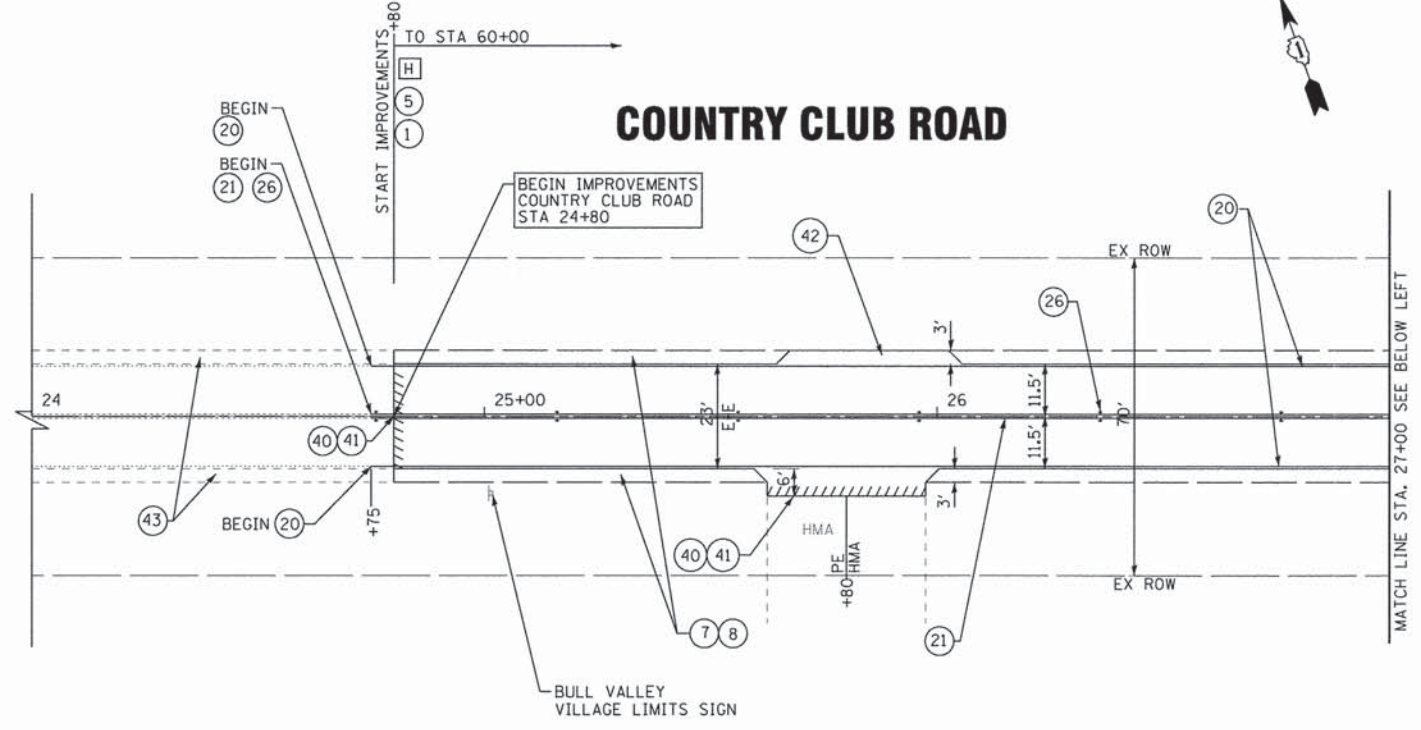
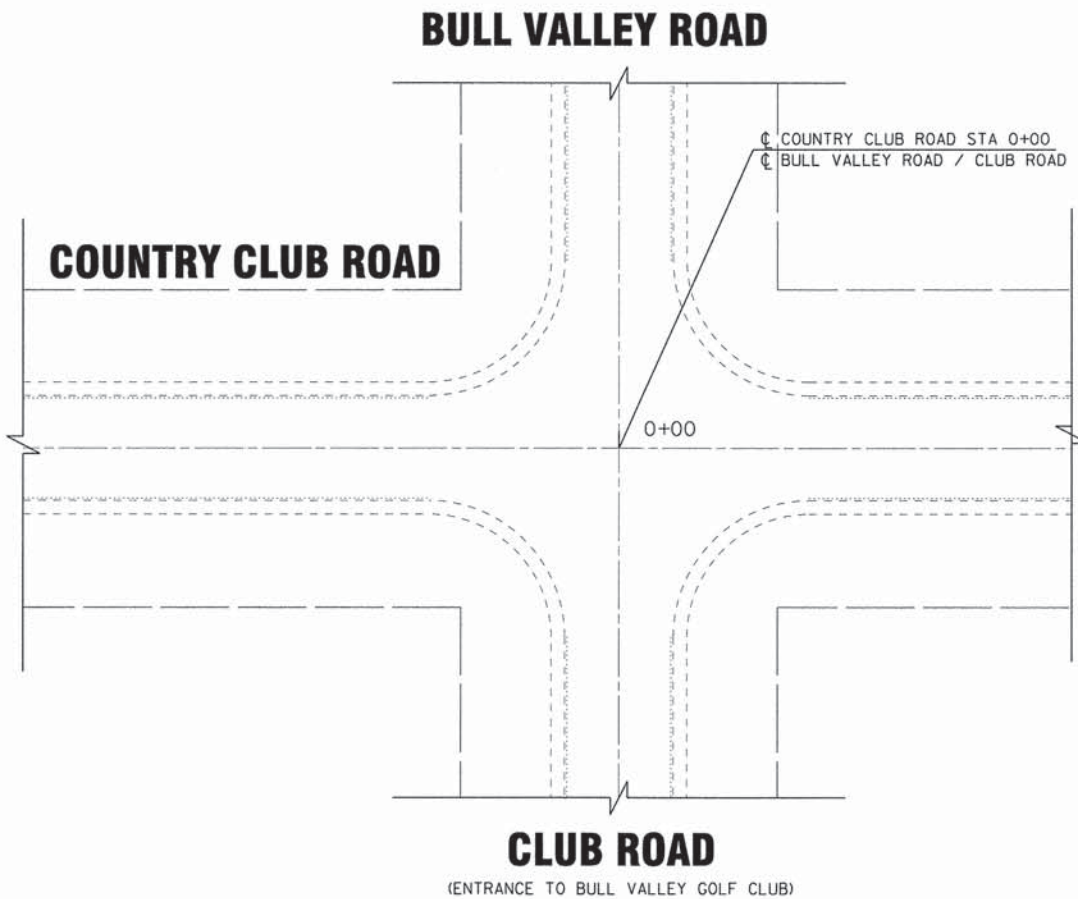
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DRAWN - CJC	REVISED -
CHECKED - MWP	REVISED -
DATE - 6/12/13	FILE - 120864_SH_TypSec.dwg

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS AND
EXISTING PAVEMENT THICKNESS TABLE**

SCALE: NONE STA. TO STA.

F.A.U. RTE. 0034/3860	SECTION 13-00006-00-RS	COUNTY MCHENRY	TOTAL SHEETS 33	SHEET NO. 8
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63846	
FED. AID PROJECT M-4003(194)				



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- G HOT-MIX ASPHALT SURFACE REMOVAL, 2" (PAID FOR AS H)
- H HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- J HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- K HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4" (PAID FOR AS J)

- 1 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 1/2"
- 2 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 3/4"
- 3 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2"
- 4 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2 1/4"
- 5 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 3/4"
- 6 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 1"
- 7 GRADING AND SHAPING SHOULDERS
- 8 AGGREGATE WEDGE SHOULDER, TYPE B

LEGEND

- 20 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE)
- 21 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW, 11" C-C)
- 22 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW 45° DIAGONAL LINE @ 25' C-C)
- 22A THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE 45° DIAGONAL LINE @ 25' C-C)
- 23 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE)
- 24 THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS
- 25 THERMOPLASTIC PAVEMENT MARKING LINE 6" (WHITE SKIP DASH 6' SKIP, 2' LINE)
- 26 RAISED REFLECTIVE PAVEMENT MARKER (TWO-WAY AMBER UNLESS OTHERWISE NOTED)

- 27 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP BAR)
- 28 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SKIP DASH 30' SKIP, 10' LINE)
- 40 PROJECT LIMITS
- 41 HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- 42 MAILBOX TURNOUT
- 43 EXISTING AGGREGATE SHOULDER TO REMAIN (TYP)
- 44 ONE-WAY AMBER MARKER
- 45 ONE-WAY CRYSTAL MARKER (W/O)



DESIGNED - JDM	REVISED - IDOT REVIEW 8/19/13
DRAWN - CJC	REVISED -
CHECKED - MWP	REVISED -
DATE - 6/12/13	FILE - 120864_SH_Plan1.sht

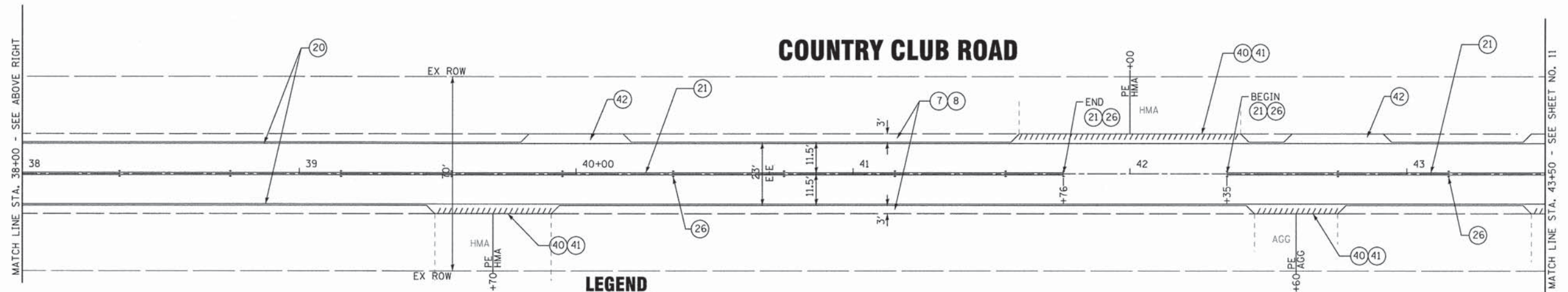
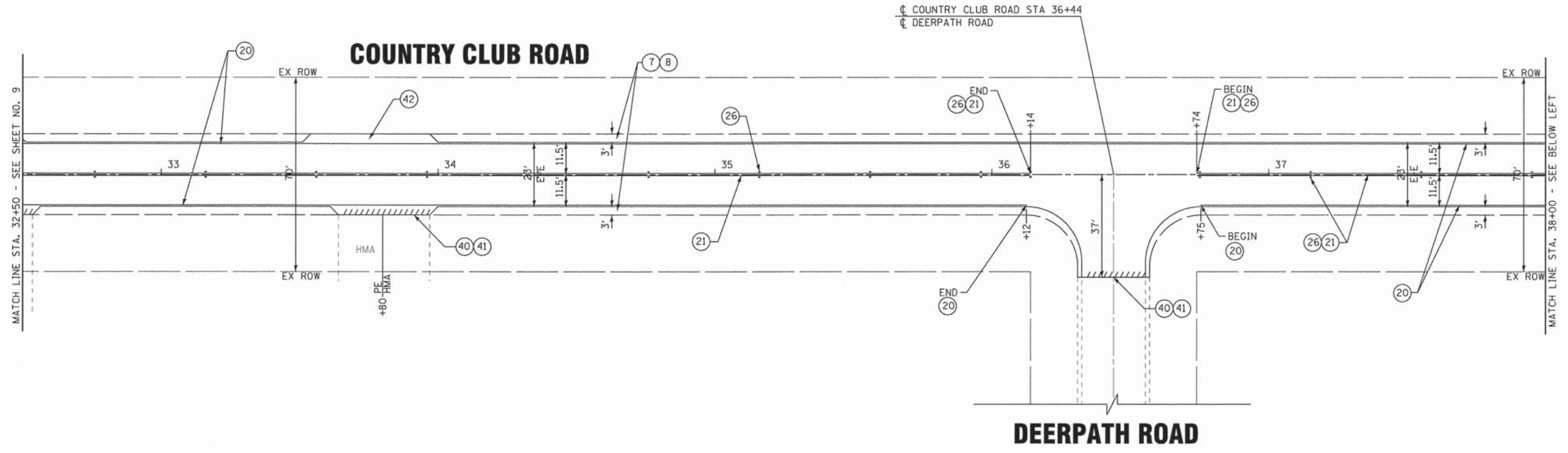
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PLAN - COUNTRY CLUB ROAD

SCALE: 1"=20'

STA. 24+80 TO STA. 32+50

F.A.U. RTE. 0034/3860	SECTION 13-00006-00-RS	COUNTY MCHENRY	TOTAL SHEETS 33	SHEET NO. 9
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63846	
FED. AID PROJECT M-4003(194)				



- [G] HOT-MIX ASPHALT SURFACE REMOVAL, 2" (PAID FOR AS [H])
- [H] HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- [J] HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- [K] HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4" (PAID FOR AS [J])

- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 1/2"
- (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 3/4"
- (3) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2"
- (4) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2 1/4"
- (5) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 3/4"
- (6) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 1"
- (7) GRADING AND SHAPING SHOULDERS
- (8) AGGREGATE WEDGE SHOULDER, TYPE B

LEGEND

- (20) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE)
- (21) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW, 11" C-C)
- (22) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW 45° DIAGONAL LINE @ 25' C-C)
- (22A) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE 45° DIAGONAL LINE @ 25' C-C)
- (23) THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE)
- (24) THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS
- (25) THERMOPLASTIC PAVEMENT MARKING LINE 6" (WHITE SKIP DASH 6' SKIP, 2' LINE)
- (26) RAISED REFLECTIVE PAVEMENT MARKER (TWO-WAY AMBER UNLESS OTHERWISE NOTED)

- (27) THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP BAR)
- (28) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SKIP DASH 30' SKIP, 10' LINE)
- (40) PROJECT LIMITS
- (41) HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- (42) MAILBOX TURNOUT
- (43) EXISTING AGGREGATE SHOULDER TO REMAIN (TYP)
- (44) ONE-WAY AMBER MARKER
- (45) ONE-WAY CRYSTAL MARKER (W/O)

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DESIGNED - JDM	REVISED - IDOT REVIEW 8/19/13
DRAWN - CJC	REVISED -
CHECKED - MWP	REVISED -
DATE - 6/12/13	FILE - 120864_SH_Plan2.sht

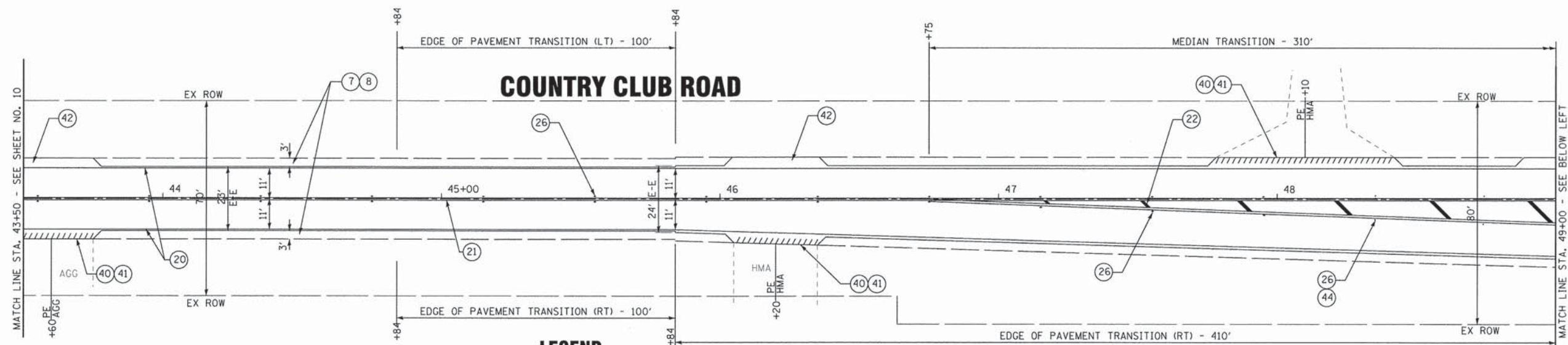
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN - COUNTRY CLUB ROAD

SCALE: 1"=20'

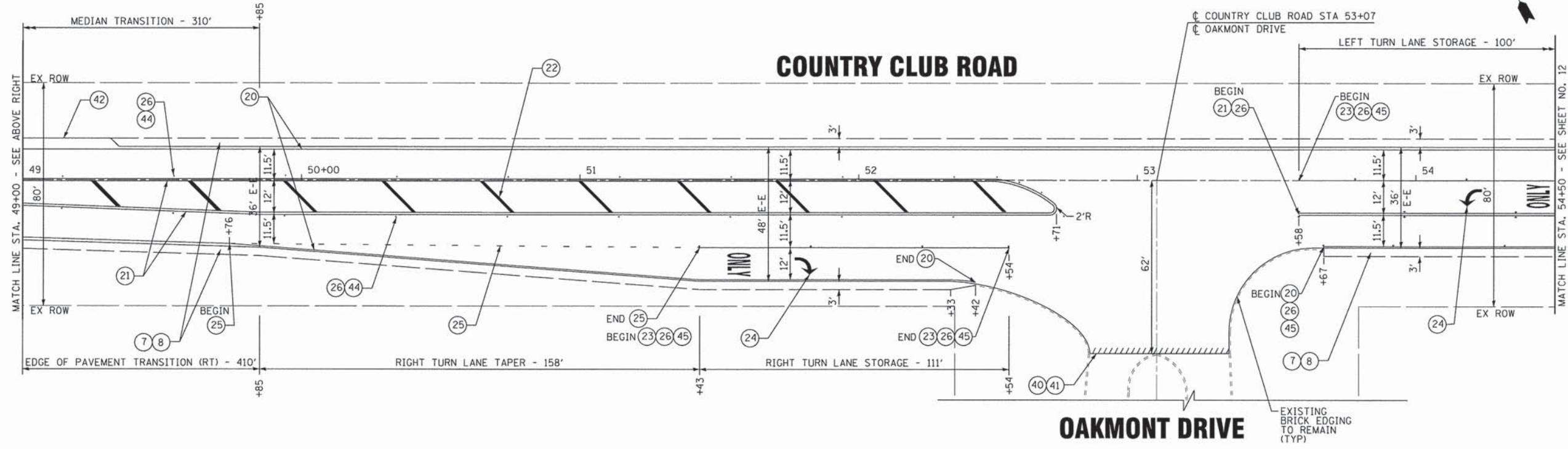
STA. 32+50 TO STA. 43+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0034/3860	13-00006-00-RS	MCHENRY	33	10
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63846	
FED. AID PROJECT M-40031949				



LEGEND

- | | | | |
|--|---|--|--|
| <ul style="list-style-type: none"> [G] HOT-MIX ASPHALT SURFACE REMOVAL, 2" (PAID FOR AS [H]) [H] HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4" [J] HOT-MIX ASPHALT SURFACE REMOVAL, 3" [K] HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4" (PAID FOR AS [J]) | <ul style="list-style-type: none"> ① HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 1/2" ② HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 3/4" ③ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2" ④ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2 1/4" ⑤ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 3/4" ⑥ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 1" ⑦ GRADING AND SHAPING SHOULDERS ⑧ AGGREGATE WEDGE SHOULDER, TYPE B | <ul style="list-style-type: none"> ⑳ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE) ㉑ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW, 11" C-C) ㉒ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW 45° DIAGONAL LINE @ 25' C-C) ㉒A THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE 45° DIAGONAL LINE @ 25' C-C) ㉓ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE) ㉔ THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS ㉕ THERMOPLASTIC PAVEMENT MARKING LINE 6" (WHITE SKIP DASH 6' SKIP, 2' LINE) ㉖ RAISED REFLECTIVE PAVEMENT MARKER (TWO-WAY AMBER UNLESS OTHERWISE NOTED) | <ul style="list-style-type: none"> ㉗ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP BAR) ㉘ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SKIP DASH 30' SKIP, 10' LINE) ④① PROJECT LIMITS ④② HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT ④③ MAILBOX TURNOUT ④④ EXISTING AGGREGATE SHOULDER TO REMAIN (TYP) ④⑤ ONE-WAY AMBER MARKER ④⑥ ONE-WAY CRYSTAL MARKER (W/O) |
|--|---|--|--|



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 DATE: 8/12/13



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DRAWN - CJC	REVISED -
CHECKED - MWP	REVISED -
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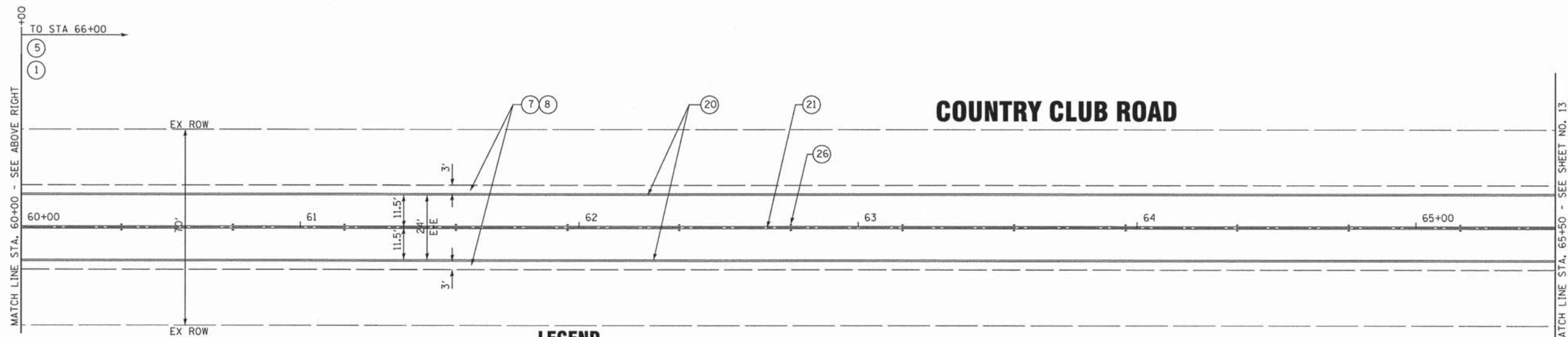
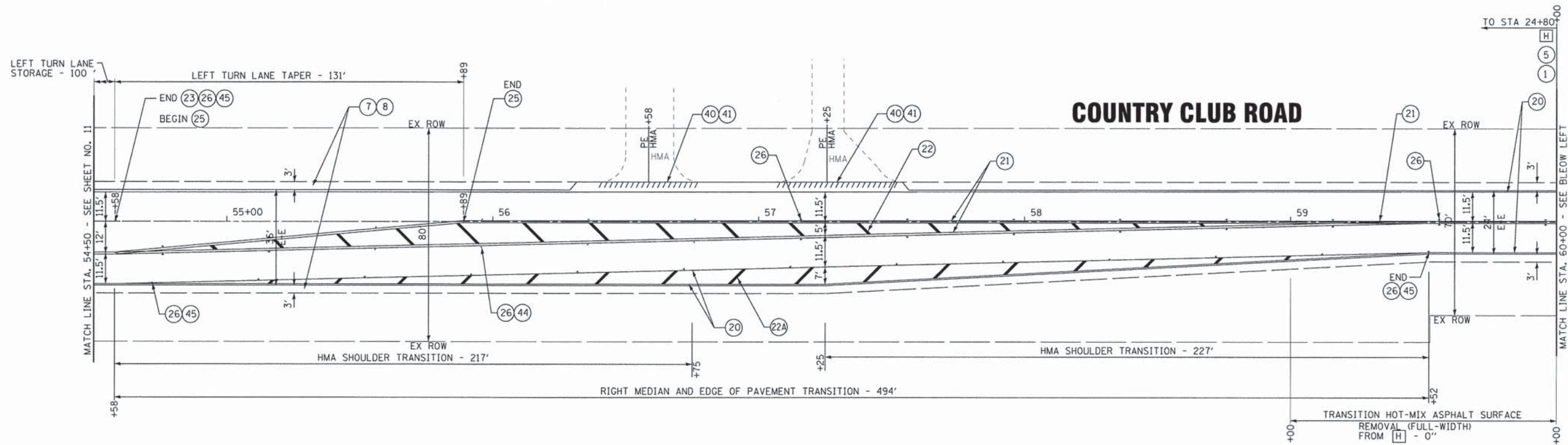
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN - COUNTRY CLUB ROAD

SCALE: 1"=20'

STA. 43+50 TO STA. 54+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0034/3860	13-00006-00-RS	MCHENRY	33	11
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63846	
FED. AID PROJECT M-40031941				



LEGEND

- | | | | |
|---|---|---|---|
| [G] HOT-MIX ASPHALT SURFACE REMOVAL, 2" (PAID FOR AS [H]) | (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 1/2" | (20) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE) | (27) THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP BAR) |
| [H] HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4" | (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 3/4" | (21) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW, 11" C-C) | (28) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SKIP DASH 30' SKIP, 10' LINE) |
| [J] HOT-MIX ASPHALT SURFACE REMOVAL, 3" | (3) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2" | (22) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW 45° DIAGONAL LINE @ 25' C-C) | (40) PROJECT LIMITS |
| [K] HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4" (PAID FOR AS [J]) | (4) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2 1/4" | (22A) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE 45° DIAGONAL LINE @ 25' C-C) | (41) HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT |
| | (5) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 3/4" | (23) THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE) | (42) MAILBOX TURNOUT |
| | (6) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 1" | (24) THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS | (43) EXISTING AGGREGATE SHOULDER TO REMAIN (TYP) |
| | (7) GRADING AND SHAPING SHOULDERS | (25) THERMOPLASTIC PAVEMENT MARKING LINE 6" (WHITE SKIP DASH 6' SKIP, 2' LINE) | (44) ONE-WAY AMBER MARKER |
| | (8) AGGREGATE WEDGE SHOULDER, TYPE B | (26) RAISED REFLECTIVE PAVEMENT MARKER (TWO-WAY AMBER UNLESS OTHERWISE NOTED) | (45) ONE-WAY CRYSTAL MARKER (W/O) |

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 DRAWN: JDM
 CHECKED: MWP
 DATE: 6/12/13



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DRAWN - CJC	REVISED -
CHECKED - MWP	REVISED -
DATE - 6/12/13	FILE - 120864-SH-Plan4.sht

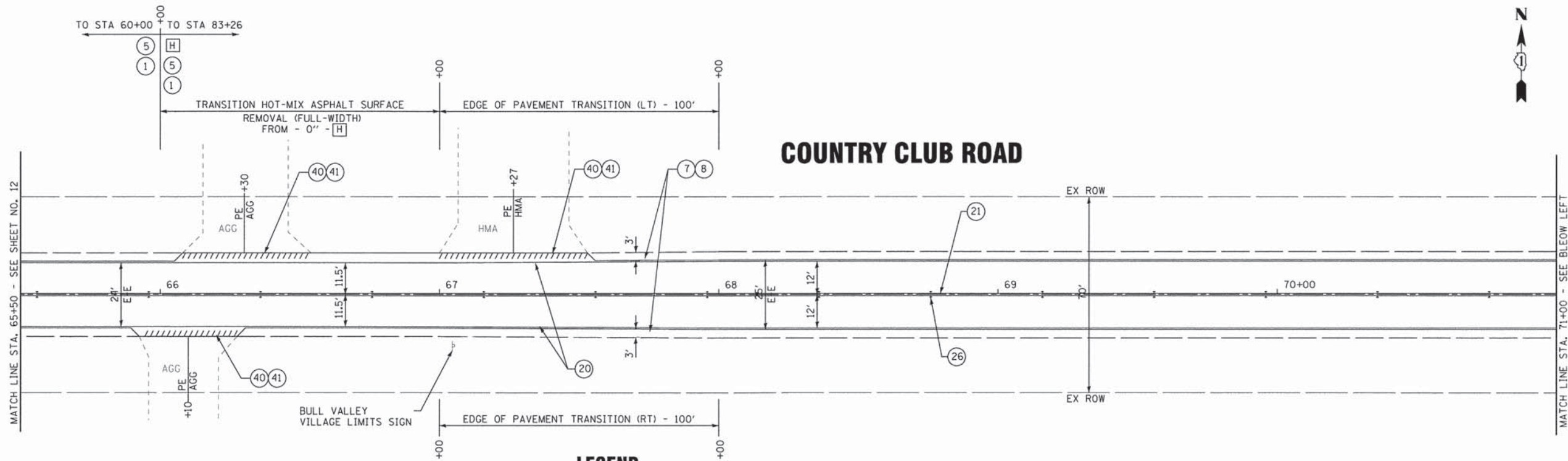
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PLAN - COUNTRY CLUB ROAD

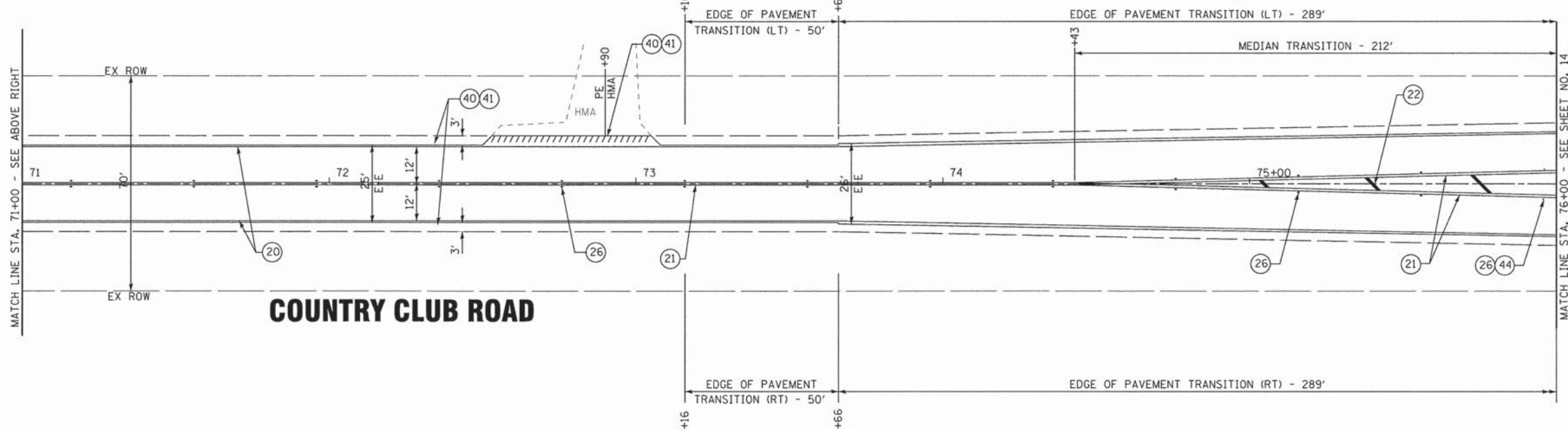
SCALE: 1"=20'

STA. 54+50 TO STA. 65+50

F.A.U. RTE. 0034/3860	SECTION 13-00006-00-RS	COUNTY MCHENRY	TOTAL SHEETS 33	SHEET NO. 12
FED. ROAD DIST. NO. 1 (ILLINOIS)			CONTRACT NO. 63846	
FED. AID PROJECT M-4003194				



- LEGEND**
- | | | | |
|---|---|---|---|
| [G] HOT-MIX ASPHALT SURFACE REMOVAL, 2" (PAID FOR AS [H]) | (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 1/2" | (20) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE) | (27) THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP BAR) |
| [H] HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4" | (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 3/4" | (21) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW, 11" C-C) | (28) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SKIP DASH 30' SKIP, 10' LINE) |
| [J] HOT-MIX ASPHALT SURFACE REMOVAL, 3" | (3) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2" | (22) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW 45° DIAGONAL LINE @ 25' C-C) | (40) PROJECT LIMITS |
| [K] HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4" (PAID FOR AS [J]) | (4) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2 1/4" | (22A) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE 45° DIAGONAL LINE @ 25' C-C) | (41) HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT |
| | (5) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 3/4" | (23) THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE) | (42) MAILBOX TURNOUT |
| | (6) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 1" | (24) THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS | (43) EXISTING AGGREGATE SHOULDER TO REMAIN (TYP) |
| | (7) GRADING AND SHAPING SHOULDERS | (25) THERMOPLASTIC PAVEMENT MARKING LINE 6" (WHITE SKIP DASH 6' SKIP, 2' LINE) | (44) ONE-WAY AMBER MARKER |
| | (8) AGGREGATE WEDGE SHOULDER, TYPE B | (26) RAISED REFLECTIVE PAVEMENT MARKER (TWO-WAY AMBER UNLESS OTHERWISE NOTED) | (45) ONE-WAY CRYSTAL MARKER (W/O) |



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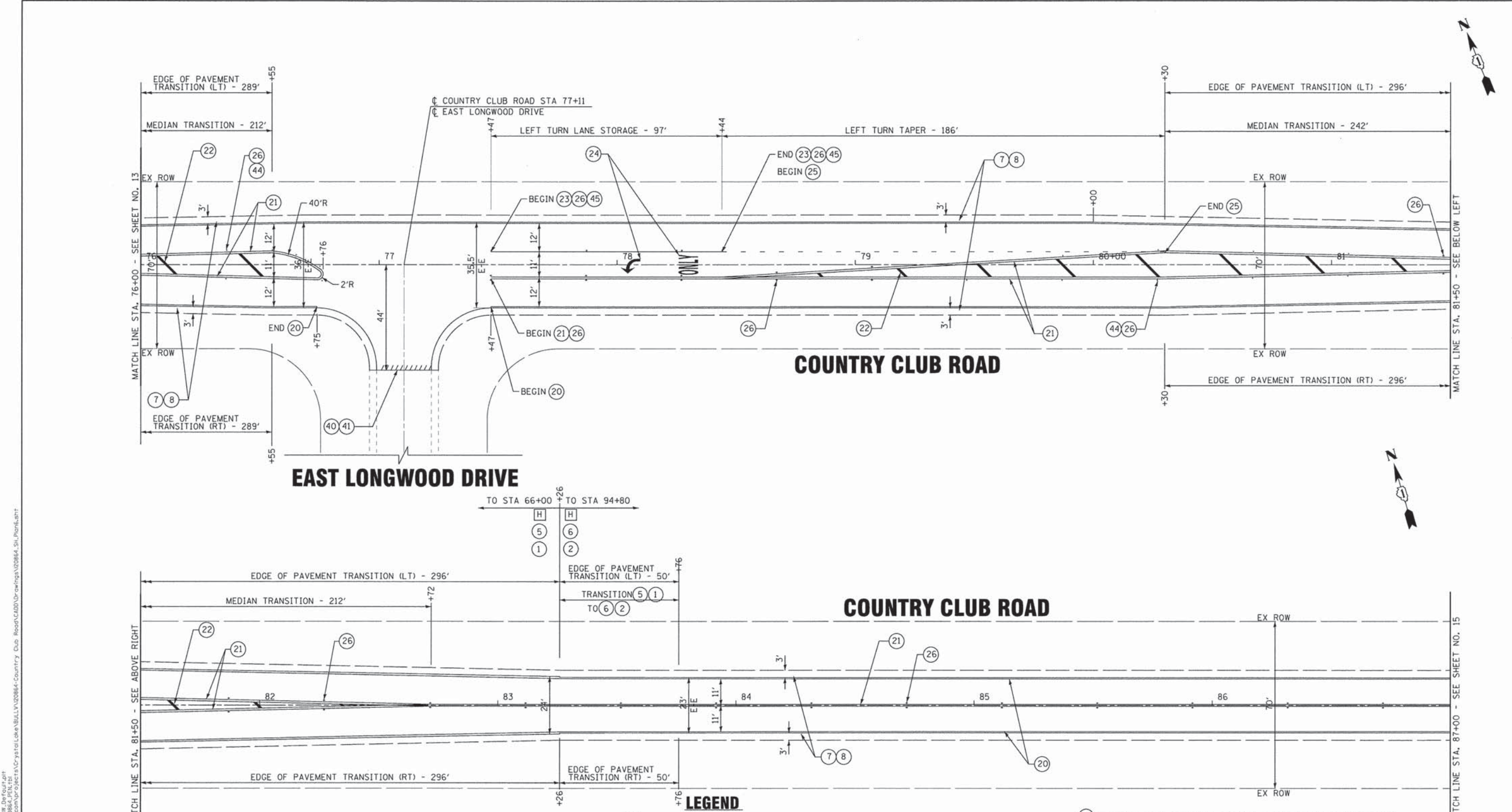
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DRAWN - CJC	REVISED -
CHECKED - MWP	REVISED -
DATE - 6/12/13	FILE - 120864_SH_Plan5.shx

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN - COUNTRY CLUB ROAD

SCALE: 1"=20' STA. 65+50 TO STA. 76+00

F.A.U. RTE. 0034/3860	SECTION 13-00006-00-RS	COUNTY MCHENRY	TOTAL SHEETS 33	SHEET NO. 13
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63846	
FED. AID PROJECT M-4003(194)				

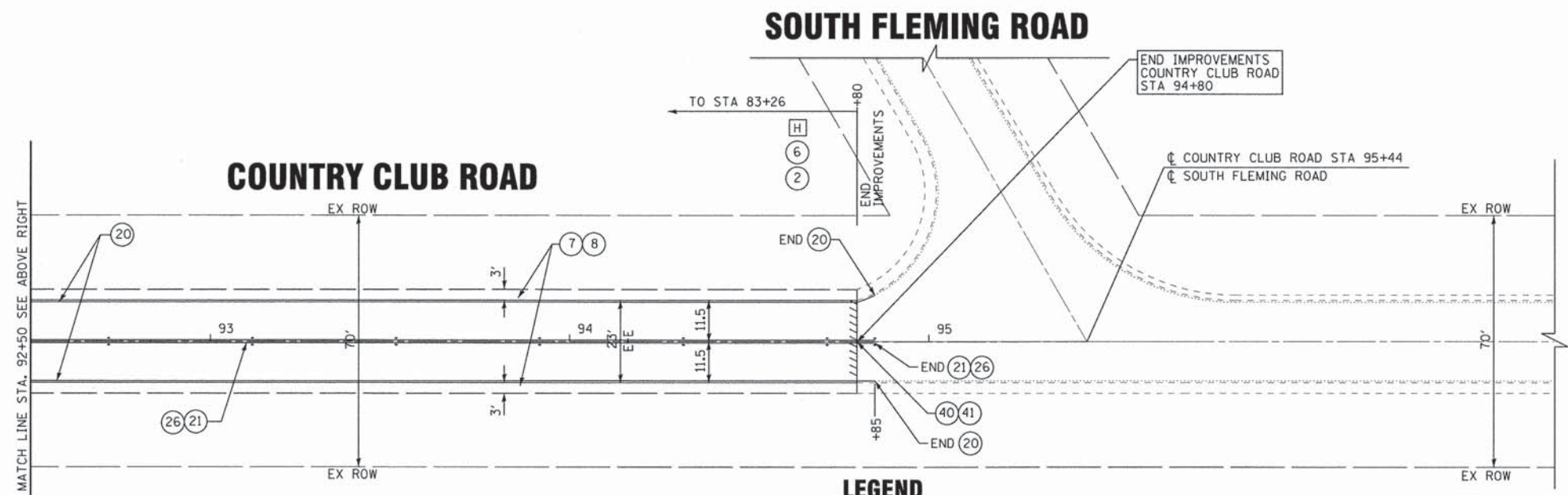
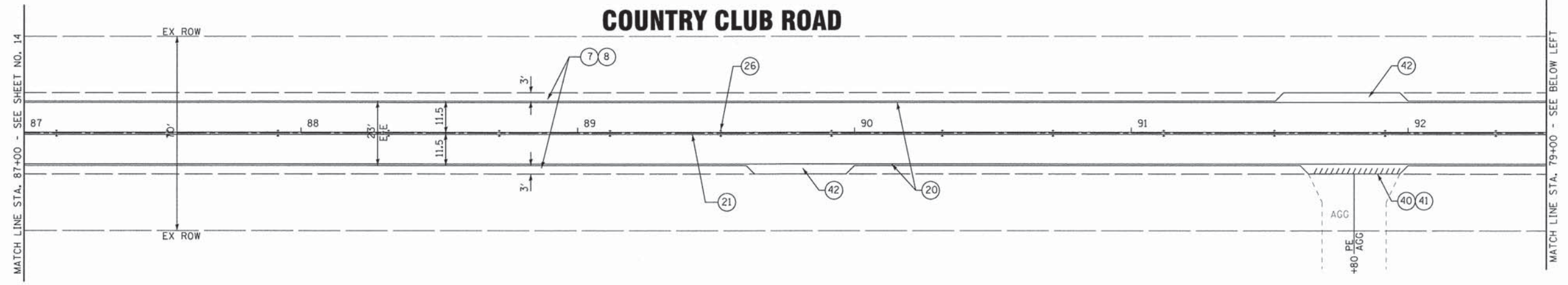


- LEGEND**
- (G) HOT-MIX ASPHALT SURFACE REMOVAL, 2"
 - (H) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
 - (J) HOT-MIX ASPHALT SURFACE REMOVAL, 3"
 - (K) HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4"
 - (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 1/2"
 - (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 3/4"
 - (3) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2"
 - (4) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2 1/4"
 - (5) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 3/4"
 - (6) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 1"
 - (7) GRADING AND SHAPING SHOULDERS
 - (8) AGGREGATE WEDGE SHOULDER, TYPE B
 - (20) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE)
 - (21) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW, 11" C-C)
 - (22) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW 45° DIAGONAL LINE @ 25' C-C)
 - (22A) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE 45° DIAGONAL LINE @ 25' C-C)
 - (23) THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE)
 - (24) THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS
 - (25) THERMOPLASTIC PAVEMENT MARKING LINE 6" (WHITE SKIP DASH 6' SKIP, 2' LINE)
 - (26) RAISED REFLECTIVE PAVEMENT MARKER (TWO-WAY AMBER UNLESS OTHERWISE NOTED)
 - (27) THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP BAR)
 - (28) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SKIP DASH 30' SKIP, 10' LINE)
 - (40) PROJECT LIMITS
 - (41) HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
 - (42) MAILBOX TURNOUT
 - (43) EXISTING AGGREGATE SHOULDER TO REMAIN (TYP)
 - (44) ONE-WAY AMBER MARKER
 - (45) ONE-WAY CRYSTAL MARKER (W/O)

	DESIGNED - JDM	REVISED - IDOT REVIEW 8/19/13	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		PLAN - COUNTRY CLUB ROAD		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - CJC	REVISED -					0034/3860	13-00006-00-RS	MCHENRY	33	14
	CHECKED - MWP	REVISED -					CONTRACT NO. 63846				
	DATE - 6/12/13	FILE - 120864_SH_Plan6.shp					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(194)				

SCALE: 1"=20' STA. 76+00 TO STA. 87+00

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LEGEND

- | | | | |
|--|---|--|--|
| <ul style="list-style-type: none"> [G] HOT-MIX ASPHALT SURFACE REMOVAL, 2" (PAID FOR AS [H]) [H] HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4" [J] HOT-MIX ASPHALT SURFACE REMOVAL, 3" [K] HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4" (PAID FOR AS [J]) | <ul style="list-style-type: none"> ① HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 1/2" ② HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 3/4" ③ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2" ④ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2 1/4" ⑤ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 3/4" ⑥ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 1" ⑦ GRADING AND SHAPING SHOULDERS ⑧ AGGREGATE WEDGE SHOULDER, TYPE B | <ul style="list-style-type: none"> ⑳ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE) ㉑ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW, 11" C-C) ㉒ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW 45° DIAGONAL LINE @ 25' C-C) ㉒A THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE 45° DIAGONAL LINE @ 25' C-C) ㉓ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE) ㉔ THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS ㉕ THERMOPLASTIC PAVEMENT MARKING LINE 6" (WHITE SKIP DASH 6' SKIP, 2' LINE) ㉖ RAISED REFLECTIVE PAVEMENT MARKER (TWO-WAY AMBER UNLESS OTHERWISE NOTED) | <ul style="list-style-type: none"> ㉗ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP BAR) ㉘ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SKIP DASH 30' SKIP, 10' LINE) ④① PROJECT LIMITS ④② HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT ④③ MAILBOX TURNOUT ④④ EXISTING AGGREGATE SHOULDER TO REMAIN (TYP) ④⑤ ONE-WAY AMBER MARKER ④⑥ ONE-WAY CRYSTAL MARKER (W/O) |
|--|---|--|--|

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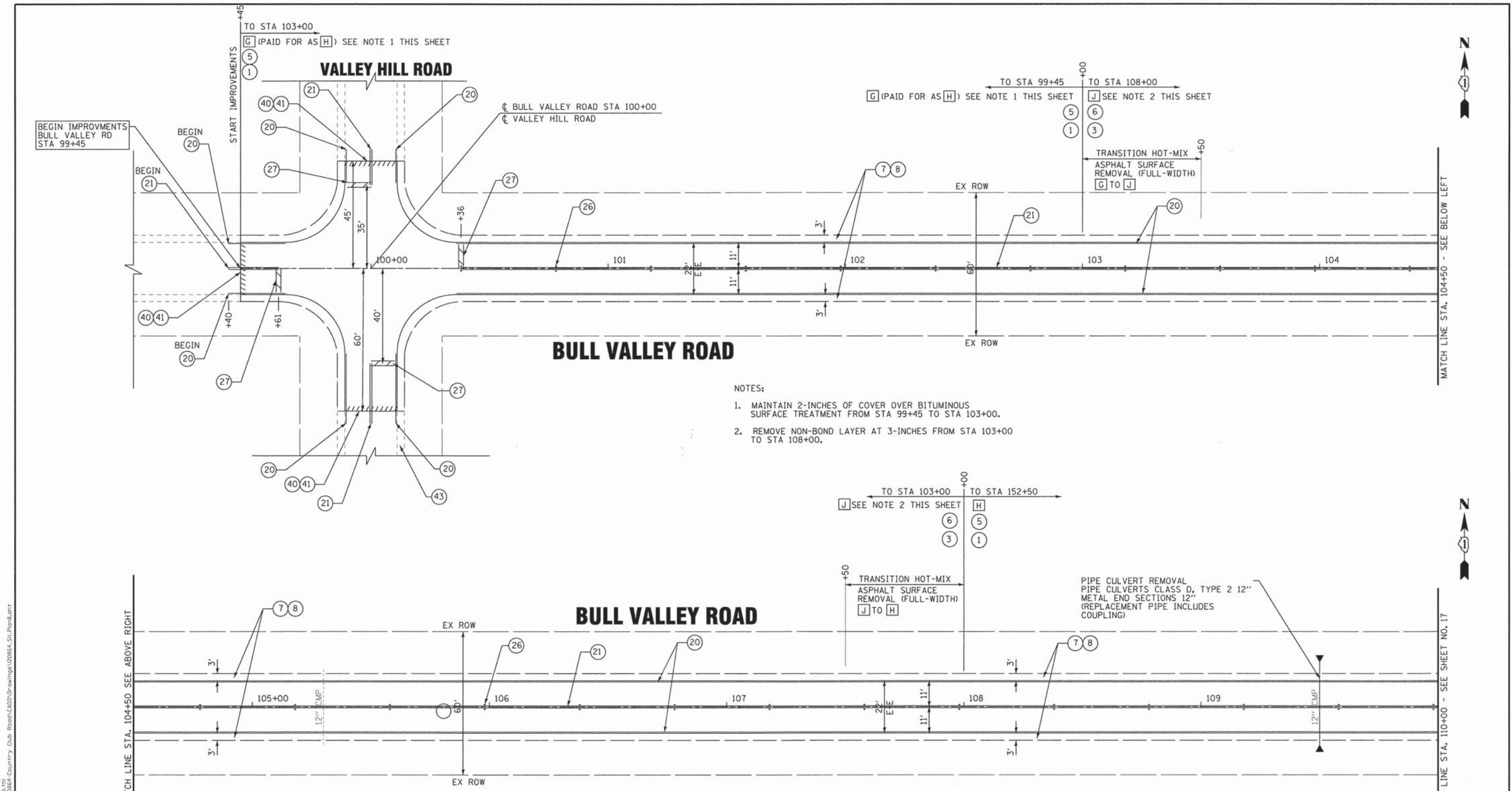
DESIGNED - JDM	REVISED - IDOT REVIEW 8/19/13
DRAWN - CJC	REVISED -
CHECKED - MWP	REVISED -
DATE - 6/12/13	FILE - 120864_SH_Plan7.sht

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN - COUNTRY CLUB ROAD

SCALE: 1" = 20'
STA. 87+00 TO STA. 94+80

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0034/3860	13-00006-00-RS	MCHENRY	33	15
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63846	
FED. AID PROJECT M-40031941				



- NOTES:
1. MAINTAIN 2-INCHES OF COVER OVER BITUMINOUS SURFACE TREATMENT FROM STA 99+45 TO STA 103+00.
 2. REMOVE NON-BOND LAYER AT 3-INCHES FROM STA 103+00 TO STA 108+00.

LEGEND

- | | | | |
|---|---|---|---|
| [G] HOT-MIX ASPHALT SURFACE REMOVAL, 2" (PAID FOR AS [H]) | (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 1/2" | (20) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE) | (27) THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP BAR) |
| [H] HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4" | (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 3/4" | (21) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW, 11" C-C) | (28) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SKIP DASH 30' SKIP, 10' LINE) |
| [J] HOT-MIX ASPHALT SURFACE REMOVAL, 3" | (3) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2" | (22) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW 45° DIAGONAL LINE @ 25' C-C) | (40) PROJECT LIMITS |
| [K] HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4" (PAID FOR AS [J]) | (4) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2 1/4" | (22A) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE 45° DIAGONAL LINE @ 25' C-C) | (41) HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT |
| | (5) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 3/4" | (23) THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE) | (42) MAILBOX TURNOUT |
| | (6) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 1" | (24) THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS | (43) EXISTING AGGREGATE SHOULDER TO REMAIN (TYP) |
| | (7) GRADING AND SHAPING SHOULDERS | (25) THERMOPLASTIC PAVEMENT MARKING LINE 6" (WHITE SKIP DASH 6' SKIP, 2' LINE) | (44) ONE-WAY AMBER MARKER |
| | (8) AGGREGATE WEDGE SHOULDER, TYPE B | (26) RAISED REFLECTIVE PAVEMENT MARKER (TWO-WAY AMBER UNLESS OTHERWISE NOTED) | (45) ONE-WAY CRYSTAL MARKER (W/O) |

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 IN: Crystal Lake, ILLINOIS 60014-5000
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DESIGNED - JDM	REVISED - IDOT REVIEW 8/19/13
DRAWN - CJC	REVISED -
CHECKED - MWP	REVISED -
DATE - 6/12/13	FILE - 120864_SH_Plan8.sht

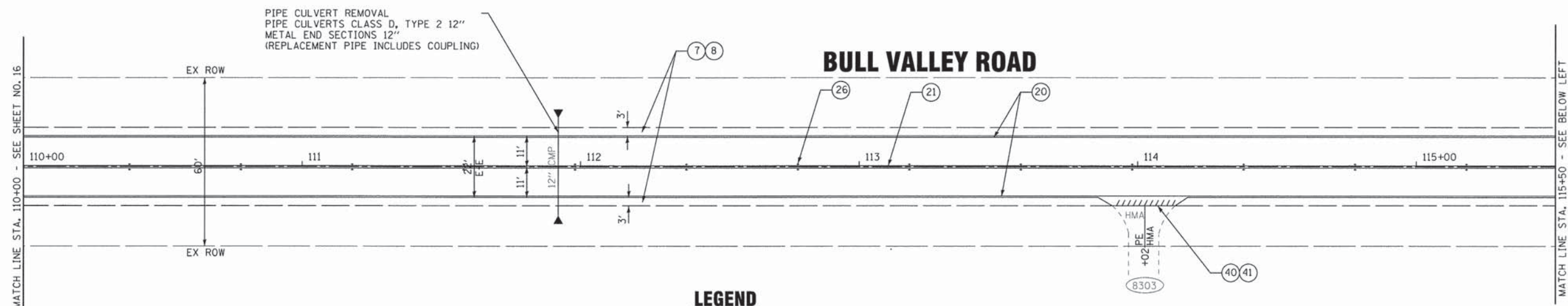
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN - BULL VALLEY ROAD

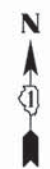
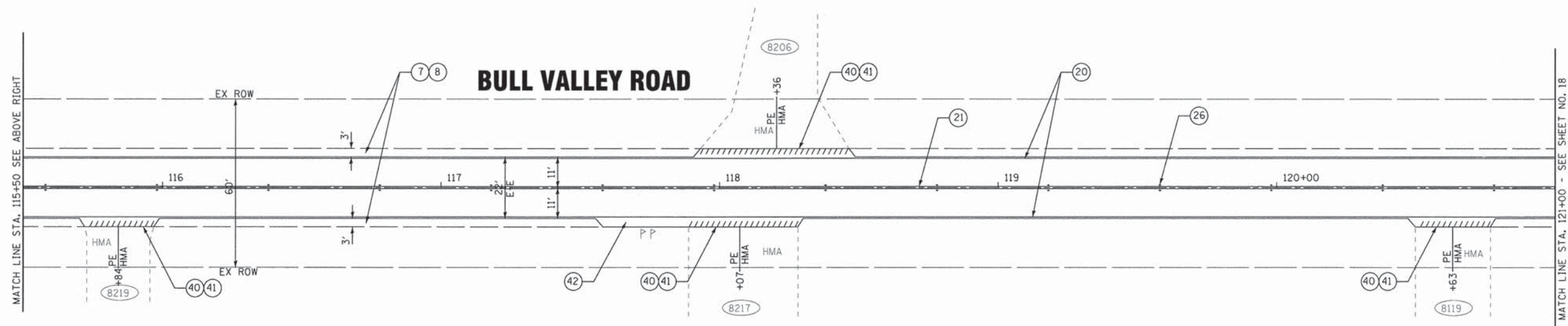
SCALE: 1" = 20'

STA. 99+45 TO STA. 110+00

F.A.U. REF.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0034/3860	13-00006-00-RS	MCHENRY	33	16
CONTRACT NO. 63846			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003194	



- LEGEND**
- (G) HOT-MIX ASPHALT SURFACE REMOVAL, 2" (PAID FOR AS (H))
 - (H) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
 - (J) HOT-MIX ASPHALT SURFACE REMOVAL, 3"
 - (K) HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4" (PAID FOR AS (J))
 - (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 1/2"
 - (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 3/4"
 - (3) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2"
 - (4) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2 1/4"
 - (5) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 3/4"
 - (6) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 1"
 - (7) GRADING AND SHAPING SHOULDERS
 - (8) AGGREGATE WEDGE SHOULDER, TYPE B
 - (20) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE)
 - (21) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW, 11" C-C)
 - (22) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW 45° DIAGONAL LINE @ 25' C-C)
 - (22A) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE 45° DIAGONAL LINE @ 25' C-C)
 - (23) THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE)
 - (24) THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS
 - (25) THERMOPLASTIC PAVEMENT MARKING LINE 6" (WHITE SKIP DASH 6' SKIP, 2' LINE)
 - (26) RAISED REFLECTIVE PAVEMENT MARKER (TWO-WAY AMBER UNLESS OTHERWISE NOTED)
 - (27) THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP BAR)
 - (28) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SKIP DASH 30' SKIP, 10' LINE)
 - (40) PROJECT LIMITS
 - (41) HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
 - (42) MAILBOX TURNOUT
 - (43) EXISTING AGGREGATE SHOULDER TO REMAIN (TYP)
 - (44) ONE-WAY AMBER MARKER
 - (45) ONE-WAY CRYSTAL MARKER (W/O)



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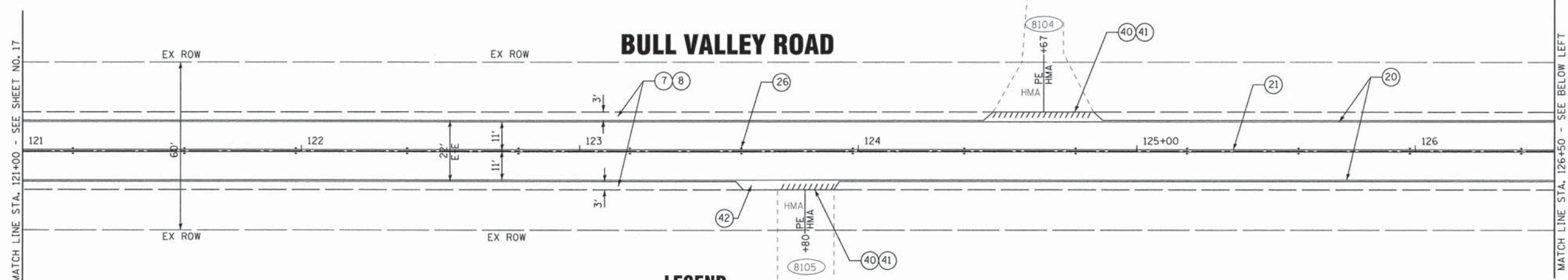
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DRAWN - CJC	REVISED -
CHECKED - MWP	REVISED -
DATE - 6/12/13	FILE - 120864_SH_Plan9.sht

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN - BULL VALLEY ROAD

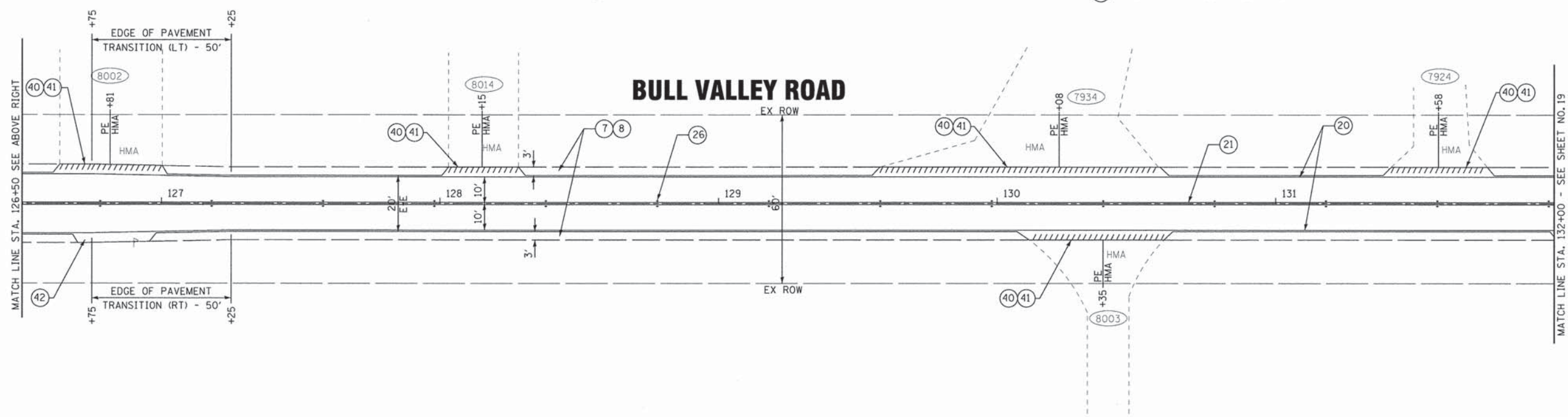
SCALE: 1" = 20' STA. 110+00 TO STA. 121+00

F.A.U. RTE. 0034/3860	SECTION 13-00006-00-RS	COUNTY MCHENRY	TOTAL SHEETS 33	SHEET NO. 17
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63846	
FED. AID PROJECT M-40031941				



LEGEND

- | | | | |
|---|--|---|---|
| <p>G HOT-MIX ASPHALT SURFACE REMOVAL, 2" (PAID FOR AS H)</p> <p>H HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"</p> <p>J HOT-MIX ASPHALT SURFACE REMOVAL, 3"</p> <p>K HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4" (PAID FOR AS J)</p> | <p>1 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 1/2"</p> <p>2 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 3/4"</p> <p>3 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2"</p> <p>4 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2 1/4"</p> <p>5 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 3/4"</p> <p>6 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 1"</p> <p>7 GRADING AND SHAPING SHOULDERS</p> <p>8 AGGREGATE WEDGE SHOULDER, TYPE B</p> | <p>20 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE)</p> <p>21 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW, 11" C-C)</p> <p>22 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW 45° DIAGONAL LINE @ 25' C-C)</p> <p>22A THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE 45° DIAGONAL LINE @ 25' C-C)</p> <p>23 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE)</p> <p>24 THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS</p> <p>25 THERMOPLASTIC PAVEMENT MARKING LINE 6" (WHITE SKIP DASH 6' SKIP, 2' LINE)</p> <p>26 RAISED REFLECTIVE PAVEMENT MARKER (TWO-WAY AMBER UNLESS OTHERWISE NOTED)</p> | <p>27 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP BAR)</p> <p>28 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SKIP DASH 30' SKIP, 10' LINE)</p> <p>40 PROJECT LIMITS</p> <p>41 HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT</p> <p>42 MAILBOX TURNOUT</p> <p>43 EXISTING AGGREGATE SHOULDER TO REMAIN (TYP)</p> <p>44 ONE-WAY AMBER MARKER</p> <p>45 ONE-WAY CRYSTAL MARKER (W/O)</p> |
|---|--|---|---|



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DESIGNED - JDM	REVISED - IDOT REVIEW 8/19/13
DRAWN - CJC	REVISED -
CHECKED - MWP	REVISED -
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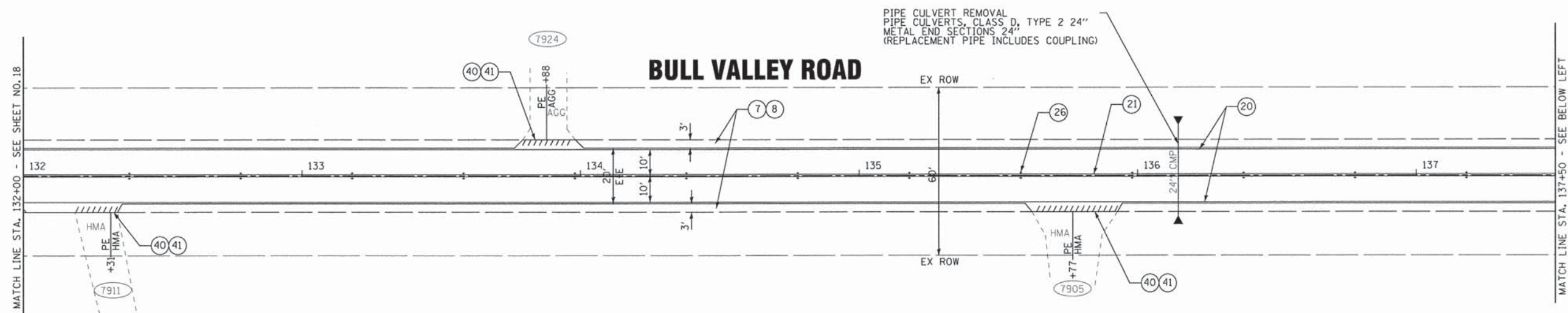
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN - BULL VALLEY ROAD

SCALE: 1" = 20'

STA. 121+00 TO STA. 132+00

F.A.U. RTE. 0034/3860	SECTION 13-00006-00-RS	COUNTY MCHENRY	TOTAL SHEETS 33	SHEET NO. 18
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003194I			CONTRACT NO. 63846	

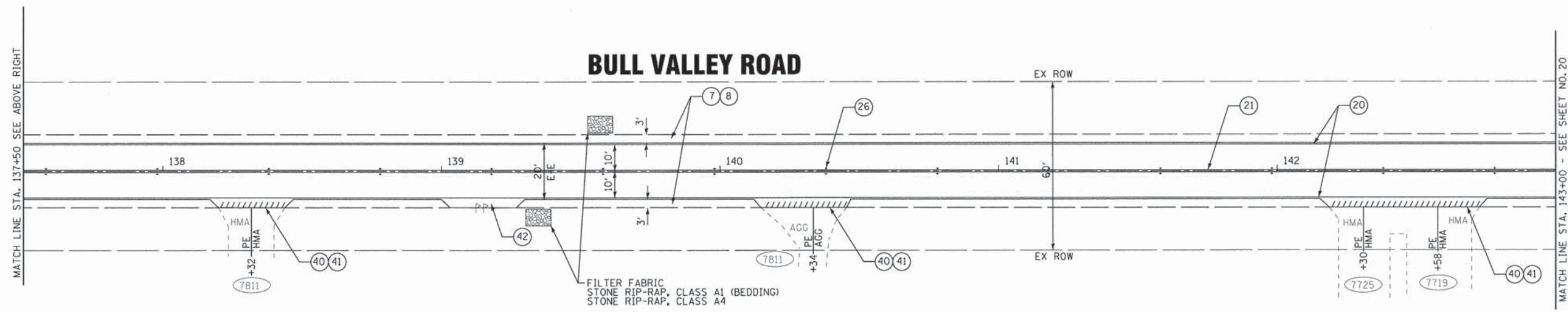


- [G] HOT-MIX ASPHALT SURFACE REMOVAL, 2" (PAID FOR AS [H])
- [H] HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- [J] HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- [K] HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4" (PAID FOR AS [J])

- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 1/2"
- (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 3/4"
- (3) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2"
- (4) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2 1/4"
- (5) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 3/4"
- (6) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 1"
- (7) GRADING AND SHAPING SHOULDERS
- (8) AGGREGATE WEDGE SHOULDER, TYPE B

- ### LEGEND
- (20) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE)
 - (21) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW, 11" C-C)
 - (22) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW 45° DIAGONAL LINE @ 25' C-C)
 - (22A) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE 45° DIAGONAL LINE @ 25' C-C)
 - (23) THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE)
 - (24) THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS
 - (25) THERMOPLASTIC PAVEMENT MARKING LINE 6" (WHITE SKIP DASH 6' SKIP, 2' LINE)
 - (26) RAISED REFLECTIVE PAVEMENT MARKER (TWO-WAY AMBER UNLESS OTHERWISE NOTED)

- (27) THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP BAR)
- (28) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SKIP DASH 30' SKIP, 10' LINE)
- (40) PROJECT LIMITS
- (41) HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- (42) MAILBOX TURNOUT
- (43) EXISTING AGGREGATE SHOULDER TO REMAIN (TYP)
- (44) ONE-WAY AMBER MARKER
- (45) ONE-WAY CRYSTAL MARKER (W/O)



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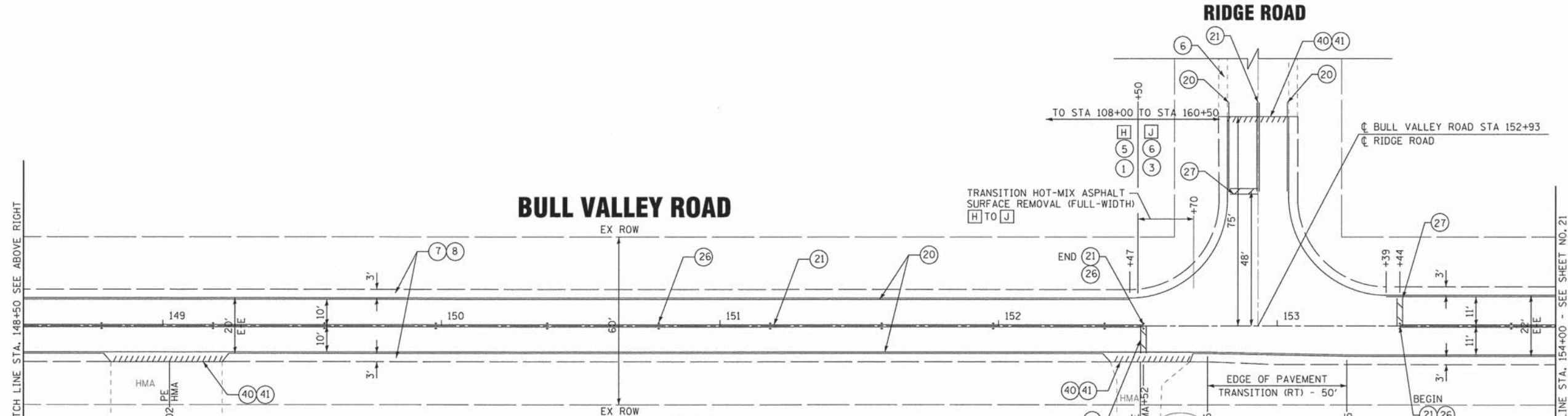
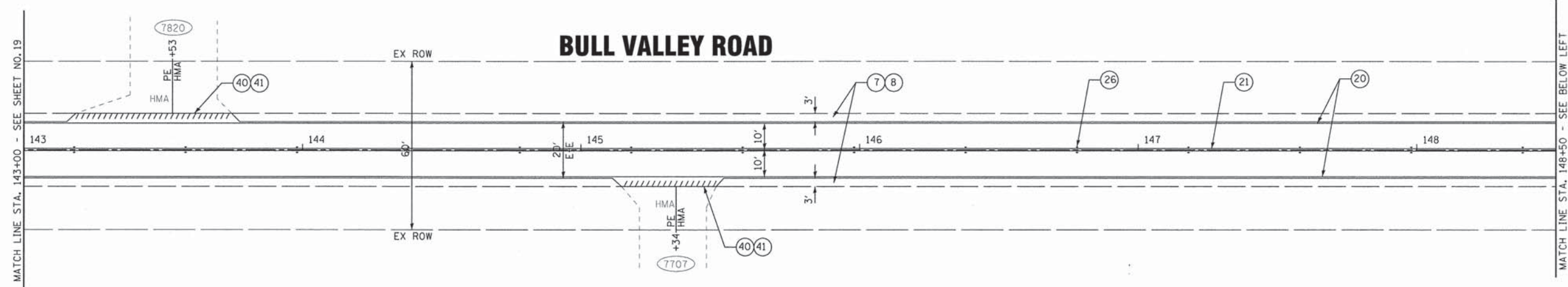
DESIGNED - JDM	REVISED - IDOT REVIEW 8/19/13
DRAWN - CJC	REVISED -
CHECKED - MWP	REVISED -
DATE - 6/12/13	FILE - 120864_SH_Plan1.shp

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN - BULL VALLEY ROAD

SCALE: 1" = 20'
STA. 132+00 TO STA. 143+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0034/3860	13-00006-00-RS	MCHENRY	33	19
CONTRACT NO. 63846				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-40031941				



LEGEND

- | | | |
|---|--|--|
| <ul style="list-style-type: none"> 1 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 1/2" 2 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 3/4" 3 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2" 4 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2 1/4" 5 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 3/4" 6 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 1" 7 GRADING AND SHAPING SHOULDERS 8 AGGREGATE WEDGE SHOULDER, TYPE B | <ul style="list-style-type: none"> 20 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE) 21 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW, 11" C-C) 22 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW 45° DIAGONAL LINE @ 25' C-C) 22A THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE 45° DIAGONAL LINE @ 25' C-C) 23 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE) 24 THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS 25 THERMOPLASTIC PAVEMENT MARKING LINE 6" (WHITE SKIP DASH 6' SKIP, 2' LINE) 26 RAISED REFLECTIVE PAVEMENT MARKER (TWO-WAY AMBER UNLESS OTHERWISE NOTED) | <ul style="list-style-type: none"> 27 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP BAR) 28 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SKIP DASH 30' SKIP, 10' LINE) 40 PROJECT LIMITS 41 HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT 42 MAILBOX TURNOUT 43 EXISTING AGGREGATE SHOULDER TO REMAIN (TYP) 44 ONE-WAY AMBER MARKER 45 ONE-WAY CRYSTAL MARKER (W/O) |
|---|--|--|

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 LICENSE NO. - BR-00021, EXPIRES 7/30/2015
 21400
 8/16/2013



DESIGNED - JDM	REVISED - IDOT REVIEW 8/19/13
DRAWN - CJC	REVISED -
CHECKED - MWP	REVISED -
DATE - 6/12/13	FILE - 120864_SH_Plan12.shx

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

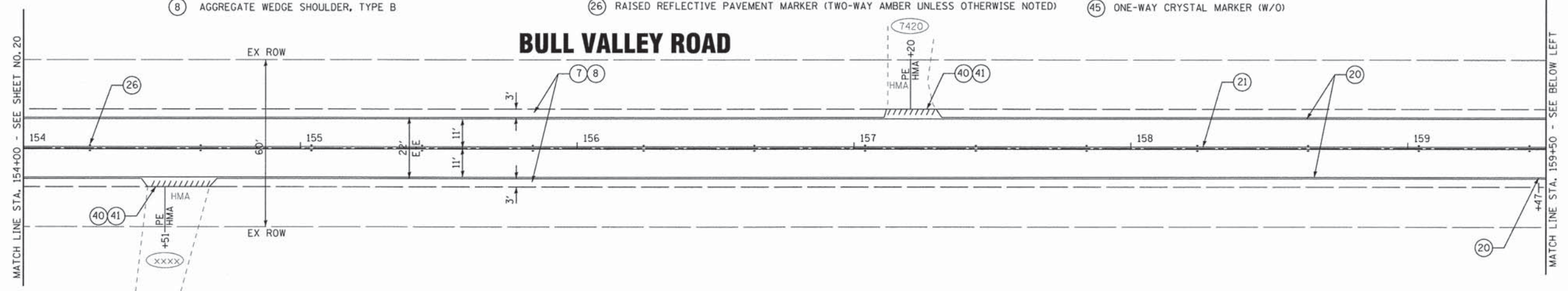
PLAN - BULL VALLEY ROAD

SCALE: 1" = 20'
STA. 143+00 TO STA. 154+00

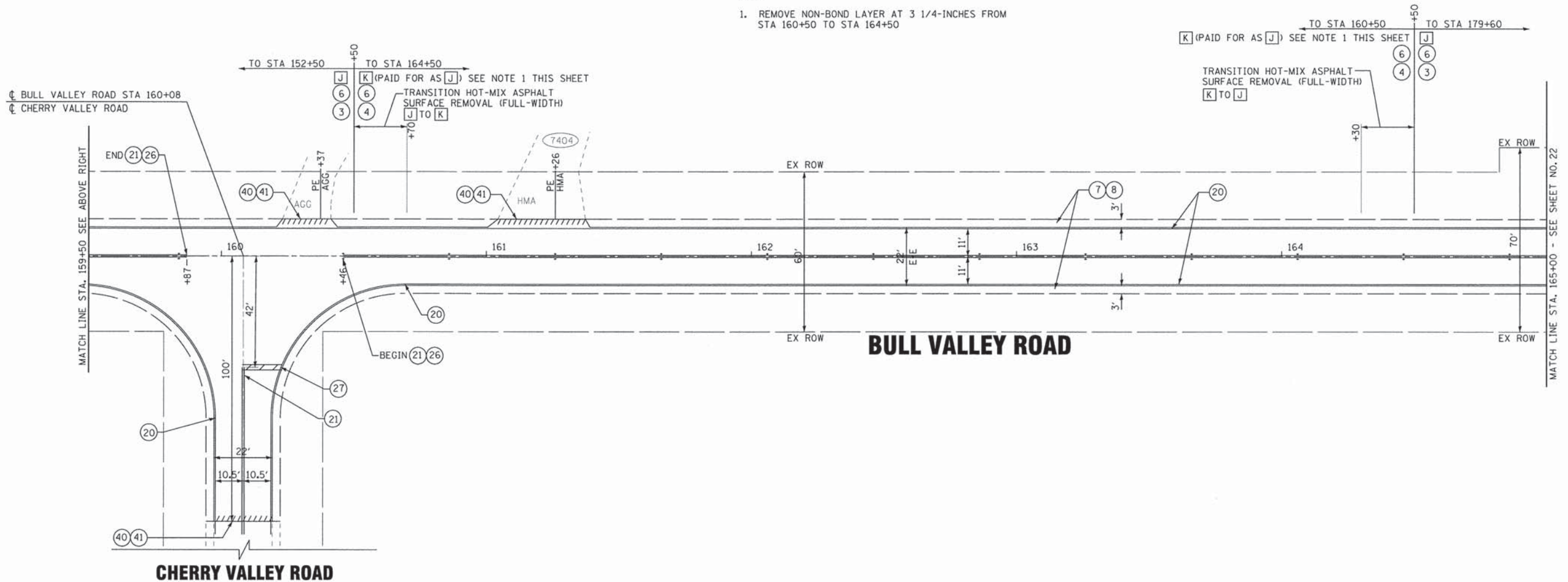
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0034/3860	13-00006-00-RS	MCHENRY	33	20
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63846	
FED. AID PROJECT M-4003(194)				

LEGEND

- | | | | |
|--|---|--|--|
| <ul style="list-style-type: none"> (G) HOT-MIX ASPHALT SURFACE REMOVAL, 2" (PAID FOR AS (H)) (H) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4" (J) HOT-MIX ASPHALT SURFACE REMOVAL, 3" (K) HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4" (PAID FOR AS (J)) | <ul style="list-style-type: none"> (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 1/2" (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 3/4" (3) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2" (4) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2 1/4" (5) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 3/4" (6) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 1" (7) GRADING AND SHAPING SHOULDERS (8) AGGREGATE WEDGE SHOULDER, TYPE B | <ul style="list-style-type: none"> (20) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE) (21) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW, 11" C-C) (22) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW 45° DIAGONAL LINE @ 25' C-C) (22A) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE 45° DIAGONAL LINE @ 25' C-C) (23) THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE) (24) THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS (25) THERMOPLASTIC PAVEMENT MARKING LINE 6" (WHITE SKIP DASH 6' SKIP, 2' LINE) (26) RAISED REFLECTIVE PAVEMENT MARKER (TWO-WAY AMBER UNLESS OTHERWISE NOTED) | <ul style="list-style-type: none"> (27) THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP BAR) (28) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SKIP DASH 30' SKIP, 10' LINE) (40) PROJECT LIMITS (41) HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT (42) MAILBOX TURNOUT (43) EXISTING AGGREGATE SHOULDER TO REMAIN (TYP) (44) ONE-WAY AMBER MARKER (45) ONE-WAY CRYSTAL MARKER (W/O) |
|--|---|--|--|



NOTE:
1. REMOVE NON-BOND LAYER AT 3 1/4-INCHES FROM STA 160+50 TO STA 164+50



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 LICENSE NO. - BK-00021 - EXPIRES 4/30/2015
 2100 N. WOODMAN AVENUE, SUITE 200
 CHICAGO, ILLINOIS 60614-1000
 PROJECT: BULL VALLEY ROAD - COUNTY, ILL. 120864 - SHEET NO. 13

DESIGNED - JDM	REVISED - IDOT REVIEW 8/19/13
DRAWN - CJC	REVISED -
CHECKED - MWP	REVISED -
DATE - 6/12/13	FILE - 120864.SH_Plan13.sht

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

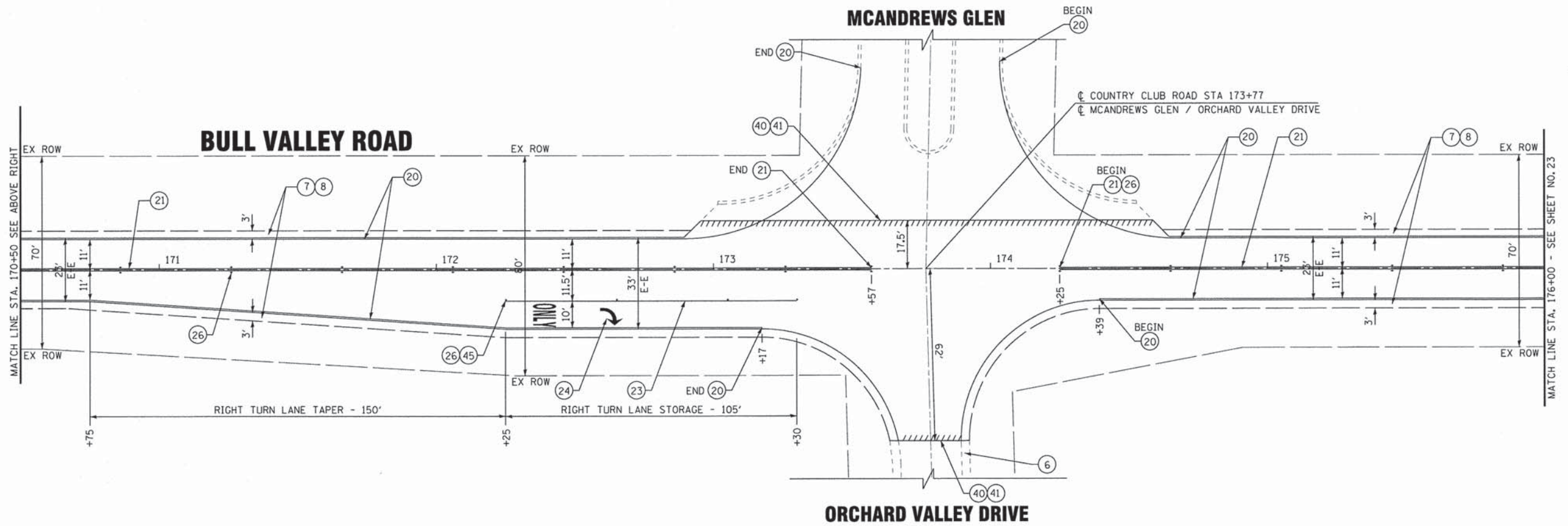
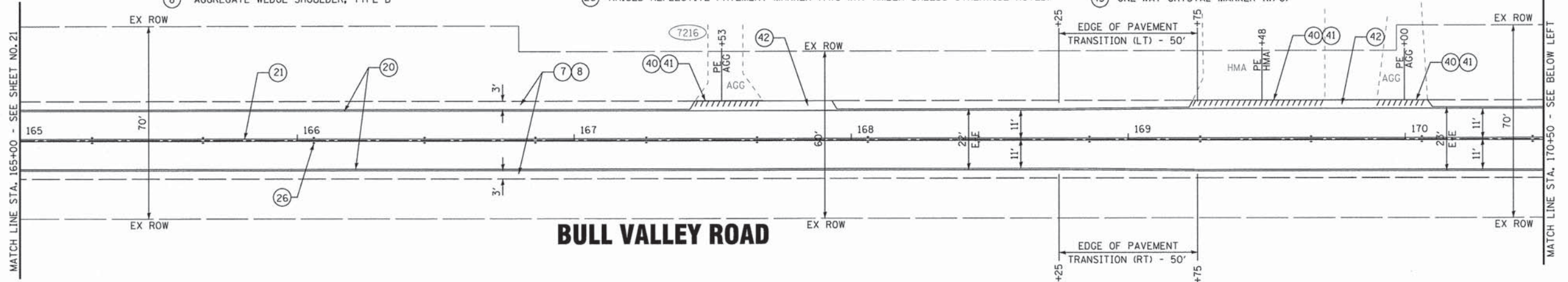
PLAN - BULL VALLEY ROAD

SCALE: 1" = 20'
STA. 154+00 TO STA. 165+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0034/3860	13-00006-00-RS	MCHENRY	33	21
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT M-40031941	
			CONTRACT NO. 63846	

LEGEND

- G HOT-MIX ASPHALT SURFACE REMOVAL, 2" (PAID FOR AS H)
- H HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- J HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- K HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4" (PAID FOR AS J)
- 1 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 1/2"
- 2 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 3/4"
- 3 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2"
- 4 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2 1/4"
- 5 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 3/4"
- 6 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 1"
- 7 GRADING AND SHAPING SHOULDERS
- 8 AGGREGATE WEDGE SHOULDER, TYPE B
- 20 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE)
- 21 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW, 11" C-C)
- 22 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW 45° DIAGONAL LINE @ 25' C-C)
- 22A THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE 45° DIAGONAL LINE @ 25' C-C)
- 23 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE)
- 24 THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS
- 25 THERMOPLASTIC PAVEMENT MARKING LINE 6" (WHITE SKIP DASH 6' SKIP, 2' LINE)
- 26 RAISED REFLECTIVE PAVEMENT MARKER (TWO-WAY AMBER UNLESS OTHERWISE NOTED)
- 27 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP BAR)
- 28 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SKIP DASH 30' SKIP, 10' LINE)
- 40 PROJECT LIMITS
- 41 HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- 42 MAILBOX TURNOUT
- 43 EXISTING AGGREGATE SHOULDER TO REMAIN (TYP)
- 44 ONE-WAY AMBER MARKER
- 45 ONE-WAY CRYSTAL MARKER (W/O)



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 I:\C:\system\low\BULL VALLEY\20864-Country Club Road\CADD\Drawings\20864_Sk_Plan14.rvt
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DESIGNED - JDM	REVISED - IDOT REVIEW 8/19/13
DRAWN - CJC	REVISED -
CHECKED - MWP	REVISED -
DATE - 6/12/13	FILE - 120864_SH_Plan14.sht

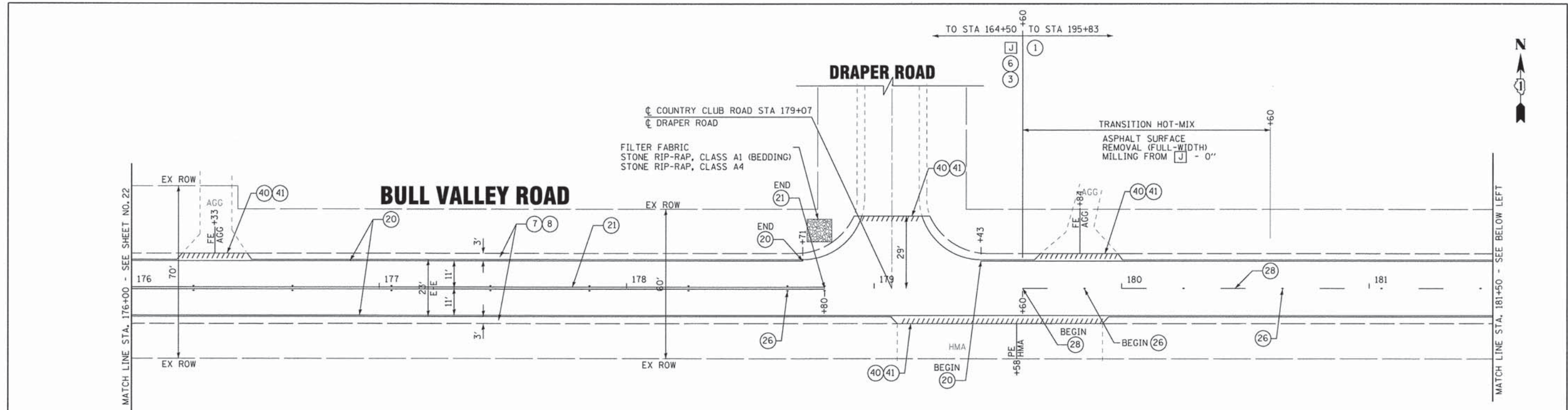
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN - BULL VALLEY ROAD

SCALE: 1" = 20'

STA. 165+00 TO STA. 176+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0034/3860	13-00006-00-RS	MCHENRY	33	22
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003194I			CONTRACT NO. 63846	



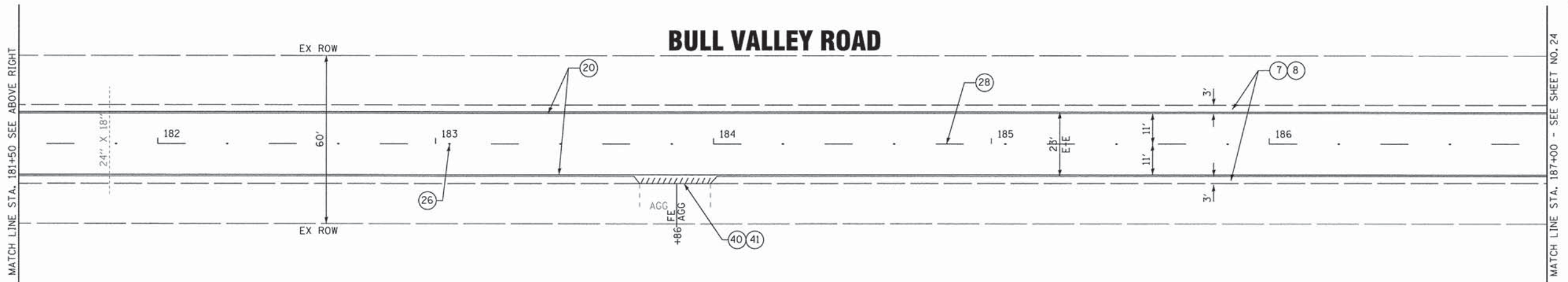
- [G] HOT-MIX ASPHALT SURFACE REMOVAL, 2" (PAID FOR AS [H])
- [H] HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- [J] HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- [K] HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4" (PAID FOR AS [J])

- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 1/2"
- (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 3/4"
- (3) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2"
- (4) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2 1/4"
- (5) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 3/4"
- (6) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 1"
- (7) GRADING AND SHAPING SHOULDERS
- (8) AGGREGATE WEDGE SHOULDER, TYPE B

LEGEND

- (20) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE)
- (21) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW, 11" C-C)
- (22) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW 45° DIAGONAL LINE @ 25' C-C)
- (22A) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE 45° DIAGONAL LINE @ 25' C-C)
- (23) THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE)
- (24) THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS
- (25) THERMOPLASTIC PAVEMENT MARKING LINE 6" (WHITE SKIP DASH 6' SKIP, 2' LINE)
- (26) RAISED REFLECTIVE PAVEMENT MARKER (TWO-WAY AMBER UNLESS OTHERWISE NOTED)

- (27) THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP BAR)
- (28) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SKIP DASH 30' SKIP, 10' LINE)
- (40) PROJECT LIMITS
- (41) HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- (42) MAILBOX TURNOUT
- (43) EXISTING AGGREGATE SHOULDER TO REMAIN (TYP)
- (44) ONE-WAY AMBER MARKER
- (45) ONE-WAY CRYSTAL MARKER (W/O)



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DESIGNED - JDM	REVISED - IDOT REVIEW 8/19/13
DRAWN - CJC	REVISED -
CHECKED - MWP	REVISED -
DATE - 6/12/13	FILE - 120864_SH_Plan15.shp

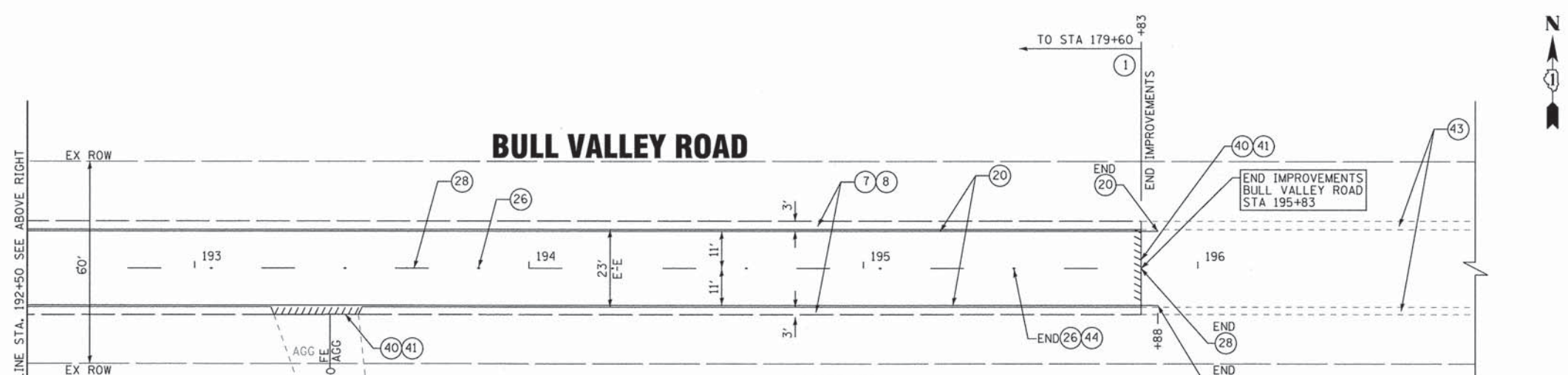
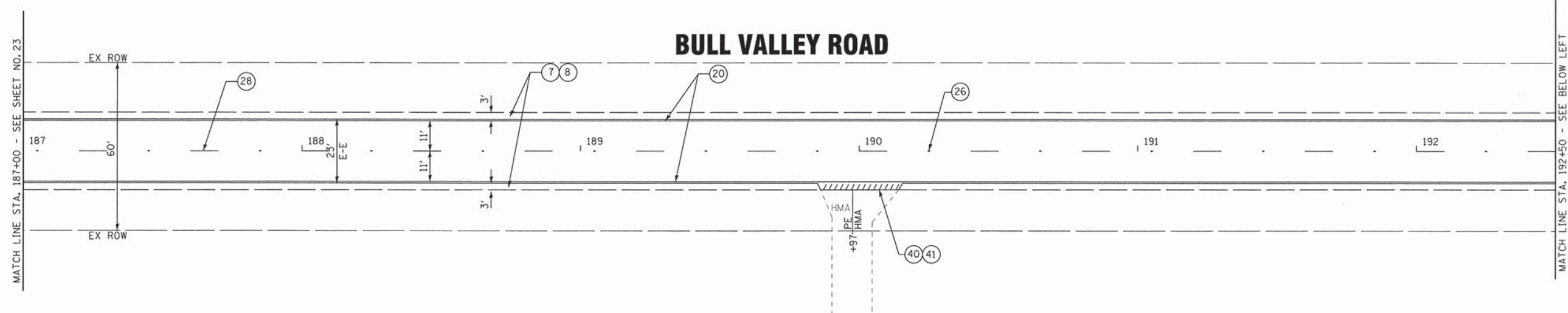
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN - BULL VALLEY ROAD

SCALE: 1" = 20'

STA. 176+00 TO STA. 187+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0034/3860	13-00006-00-RS	MCHENRY	33	23
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63846	
FED. AID PROJECT M-40031941				



- G** HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- H** HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- J** HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- K** HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4"

- 1** HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 1/2"
- 2** HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 3/4"
- 3** HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2"
- 4** HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2 1/4"
- 5** POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 3/4"
- 6** POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 1"
- 7** GRADING AND SHAPING SHOULDERS
- 8** AGGREGATE WEDGE SHOULDER, TYPE B

- 20** THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE)
- 21** THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW, 11" C-C)
- 22** THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW 45° DIAGONAL LINE @ 25' C-C)
- 22A** THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE 45° DIAGONAL LINE @ 25' C-C)
- 23** THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE)
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- 25** THERMOPLASTIC PAVEMENT MARKING LINE 6" (WHITE SKIP DASH 6' SKIP, 2' LINE)
- 26** RAISED REFLECTIVE PAVEMENT MARKER (TWO-WAY AMBER UNLESS OTHERWISE NOTED)

- 27** THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP BAR)
- 28** THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SKIP DASH 30' SKIP, 10' LINE)
- 40** PROJECT LIMITS
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- 43** EXISTING AGGREGATE SHOULDER TO REMAIN (TYP)
- 44** ONE-WAY AMBER MARKER
- 45** ONE-WAY CRYSTAL MARKER (W/O)

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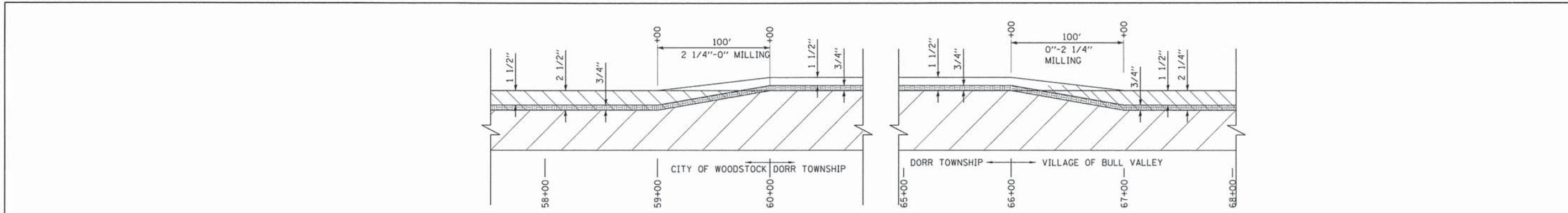
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DRAWN - CJC	REVISED -
CHECKED - MWP	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

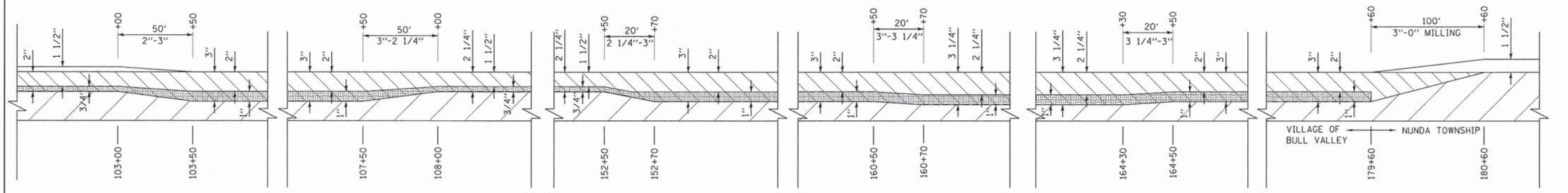
PLAN - BULL VALLEY ROAD

SCALE: 1" = 20'
STA. 187+00 TO STA. 195+83

F.A.U. RTE. 0034/3860	SECTION 13-00006-00-RS	COUNTY MCHENRY	TOTAL SHEETS 33	SHEET NO. 24
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63846	
FED. AID PROJECT M-4003(194)				



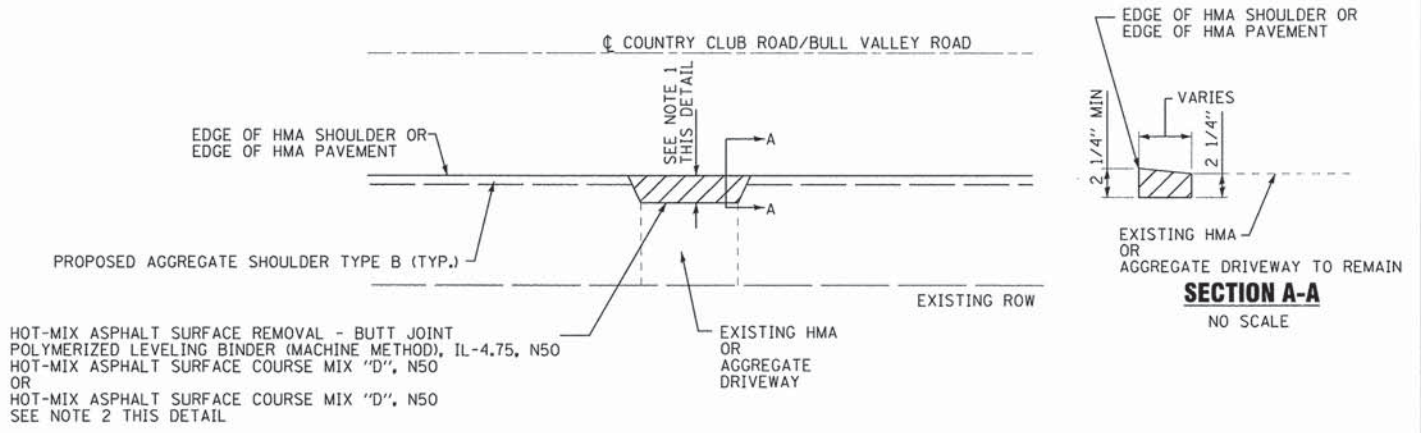
COUNTRY CLUB ROAD



BULL VALLEY ROAD

- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50
- POLYMERIZED LEVELING BINDER
- HOT-MIX ASPHALT SURFACE REMOVAL
- EXISTING HOT-MIX ASPHALT PAVEMENT TO REMAIN

MILLING DETAIL
NO SCALE



HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50
 HOT-MIX ASPHALT SURFACE COURSE MIX "D", N50
 OR
 HOT-MIX ASPHALT SURFACE COURSE MIX "D", N50
 SEE NOTE 2 THIS DETAIL

- NOTE: 1. 3' MIN. WHEN MATCHING EXISTING HMA DRIVEWAY UNLESS OTHERWISE DIMENSIONED
 3' MIN. WHEN MATCHING EXISTING AGGREGATE DRIVEWAY UNLESS OTHERWISE DIMENSIONED
2. THICKNESS OF DRIVEWAY REPLACEMENT BASED ON RESURFACING OF ADJACENT ROADWAY SEGMENT.

HMA DRIVEWAY DETAIL
NO SCALE

SECTION A-A
NO SCALE

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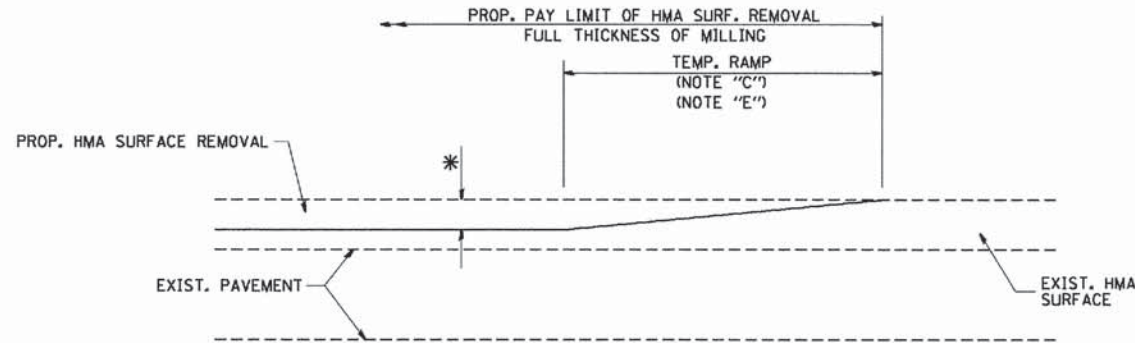
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DRAWN - CJC	REVISED -
CHECKED - MWP	REVISED -
DATE - 6/12/13	FILE - 120864_SH_MiscDets.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS

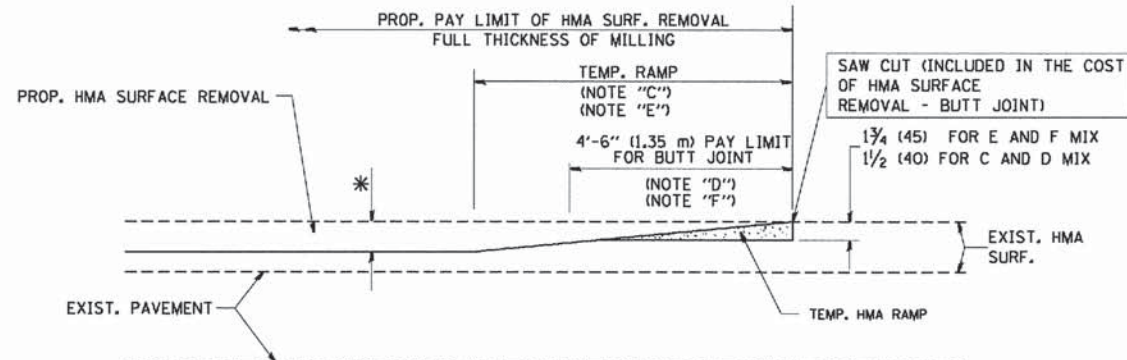
SCALE: NO SCALE STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0034/3860	13-00006-00-RS	MCHENRY	33	25
CONTRACT NO. 63846				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003194				



MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

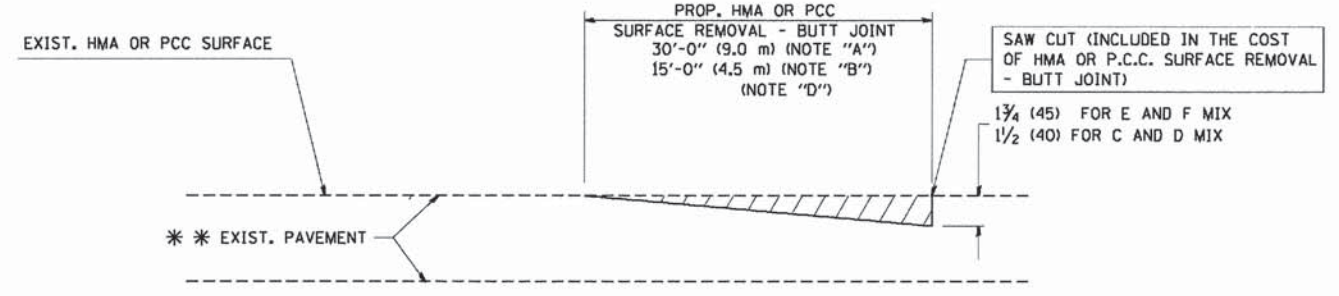
OPTION 1



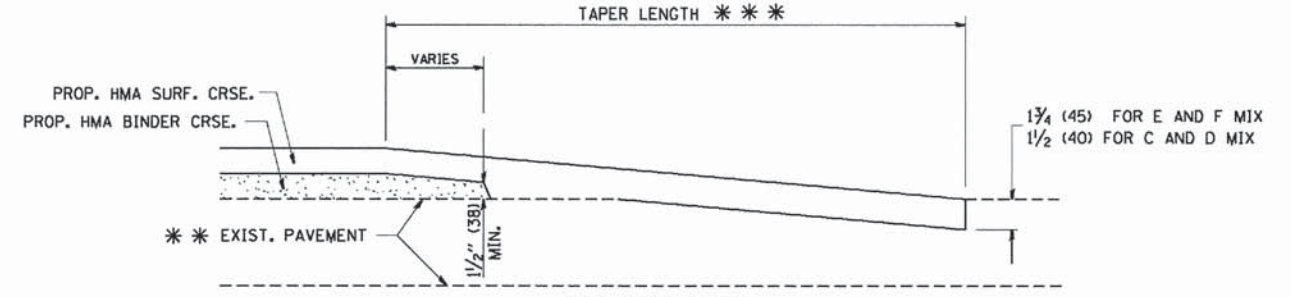
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



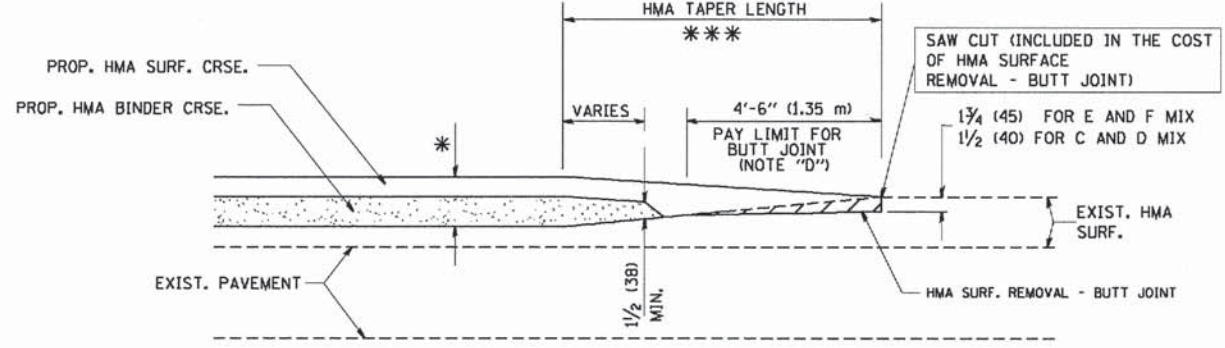
BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- B: MINOR SIDE ROADS.
- C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
- F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
- G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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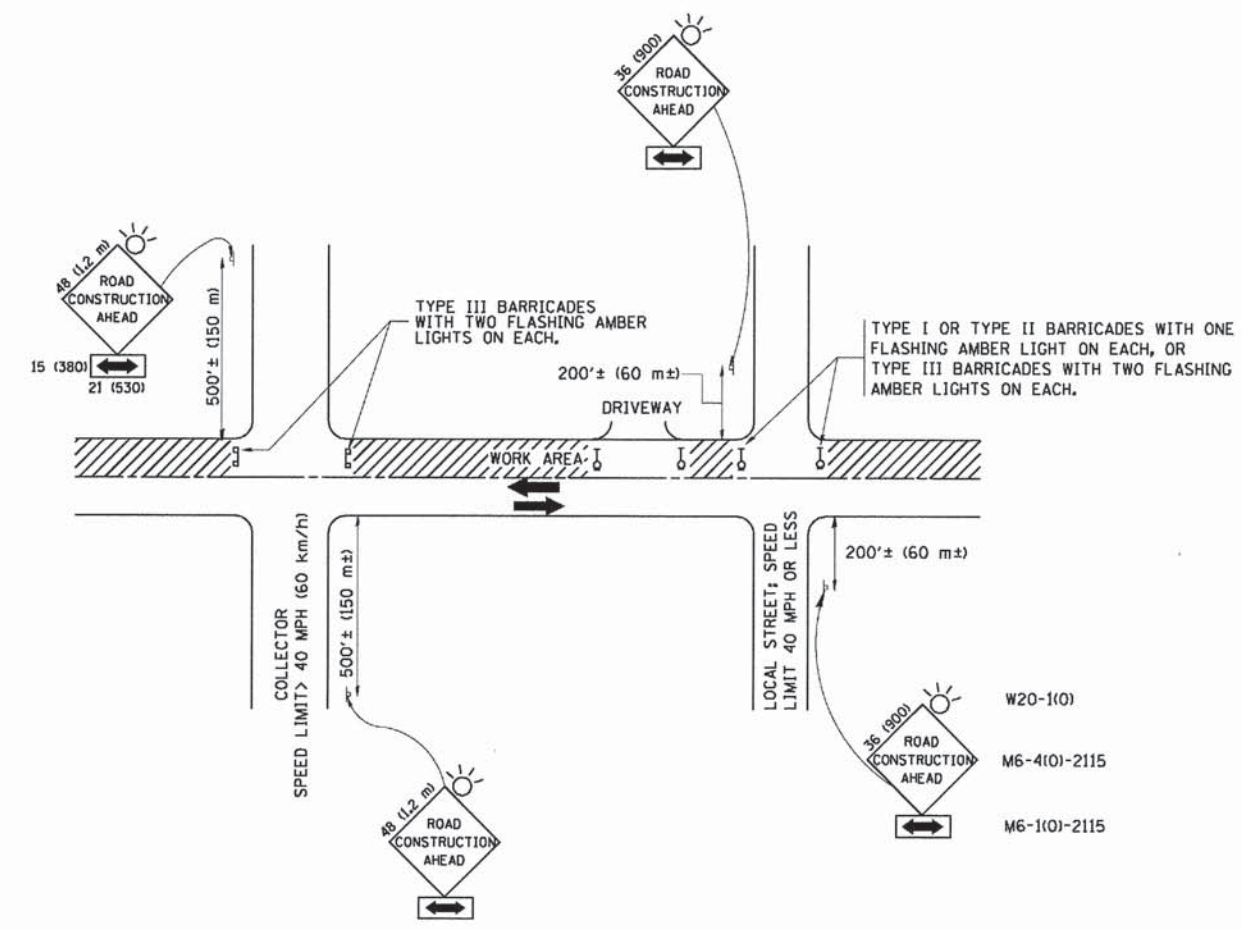
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		DRAWN -	REVISED - A. ABBAS 03-21-97
		CHECKED -	REVISED - M. GOMEZ 04-06-01
		DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BUTT JOINT AND HMA TAPER DETAILS	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE. 9034 3860	SECTION 13-00006-00-RS	COUNTY MCHENRY	TOTAL SHEETS 33	SHEET NO. 27
BD400-05 BD32		CONTRACT NO. 63846		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(194)				

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 DATE - 1/12/2011
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TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
 1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
 2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:
 USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

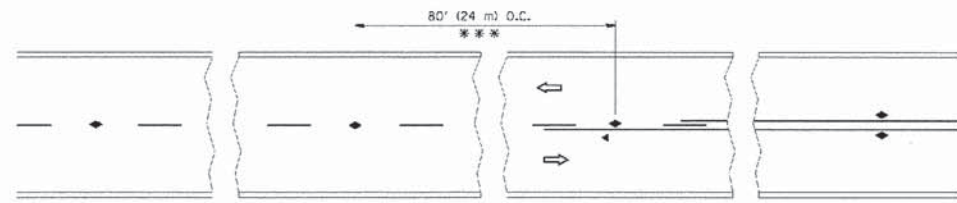
All dimensions are in millimeters (inches) unless otherwise shown.

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		DRAWN -	REVISED - A. HOUSEH 03-06-96
		CHECKED -	REVISED - A. HOUSEH 10-15-96
		DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

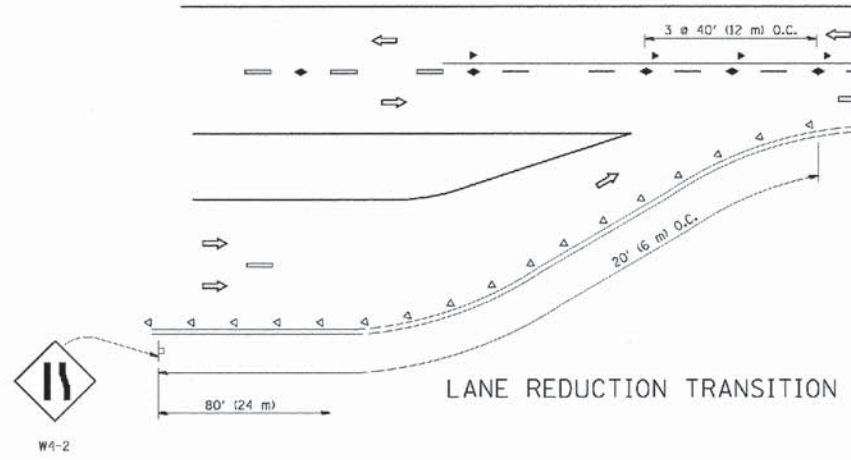
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**
 SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

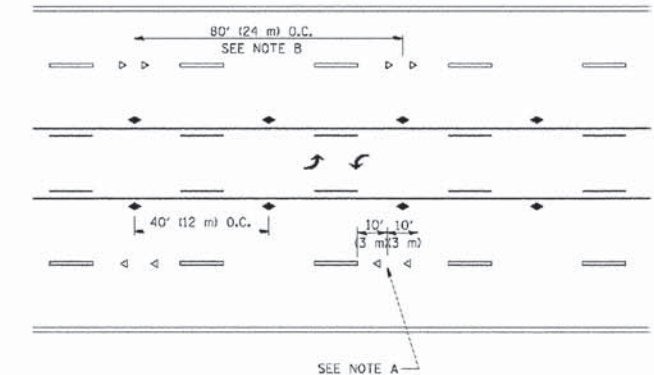
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TC-10			CONTRACT NO. 63846	
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT M-4003(194)				



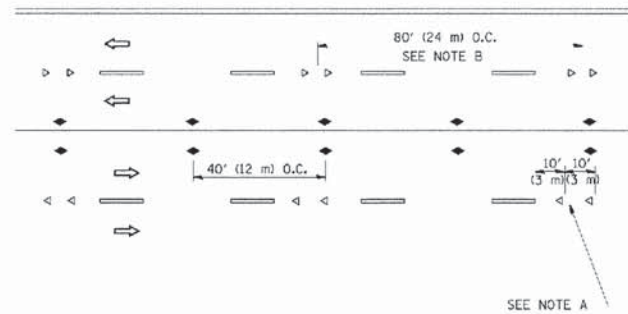
TWO-LANE/TWO-WAY



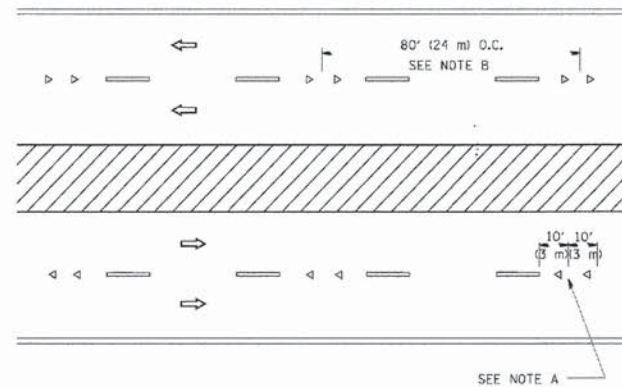
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

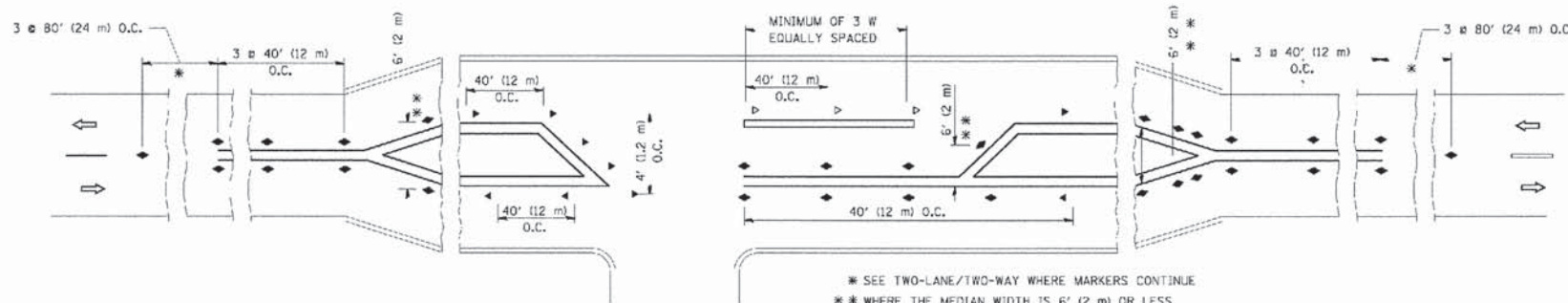
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H. (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHOULD BE INCLUDED IN THE PLANS.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



LEFT TURN

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 LICENSE NO. - 084-000012 - EXPIRES 4/30/2013
 2/20/11
 PROJECT: ILLINOIS TURNPIKE AUTHORITY - I-55/US-40
 SHEET: 13-00006-00-RS

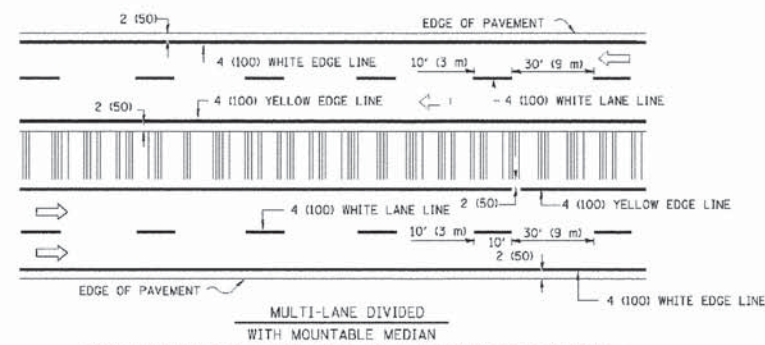
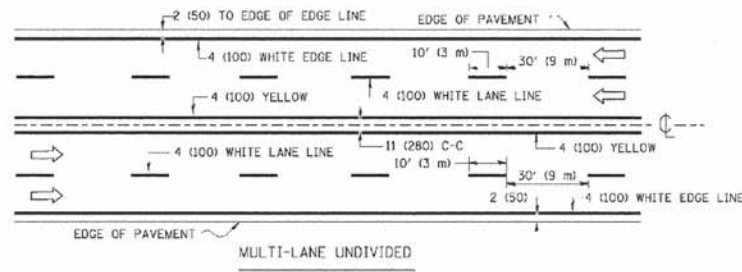
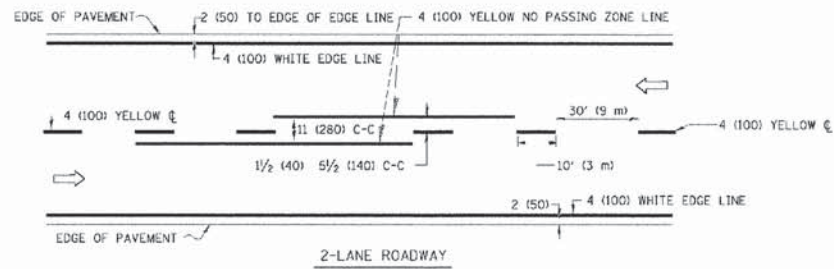
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PLOT SCALE = 50,000' / 1"		CHECKED -	REVISED - T. RAMMACHER 01-06-00
PLOT DATE = 9/2/2011		DATE	REVISED C. JUCIUS 09-09-09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

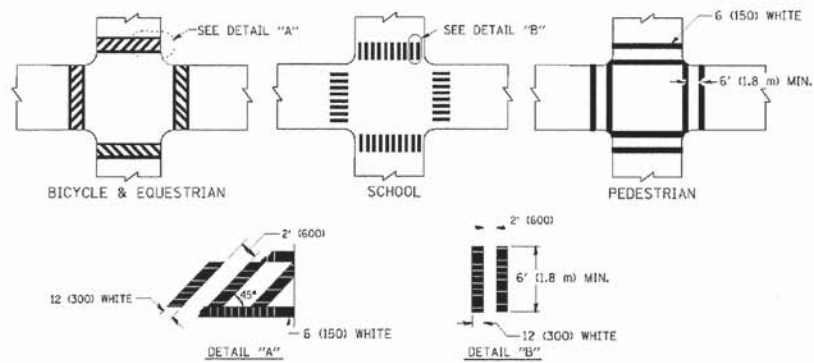
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TC-11			CONTRACT NO. 63846	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(194)				

All dimensions are in inches (millimeters) unless otherwise shown.

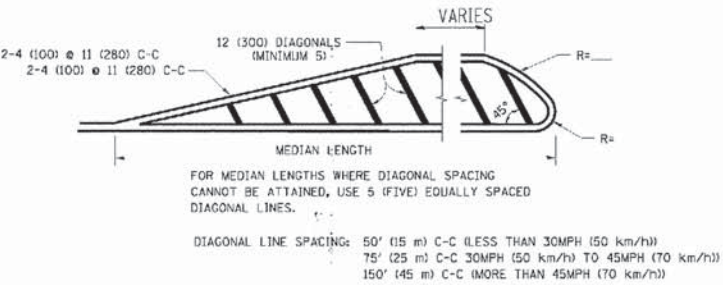
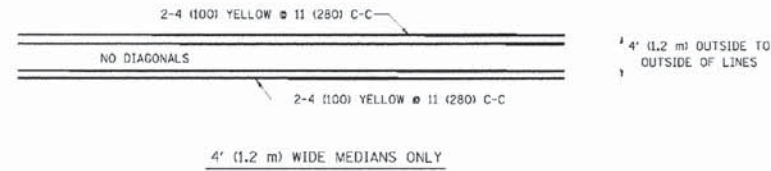


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

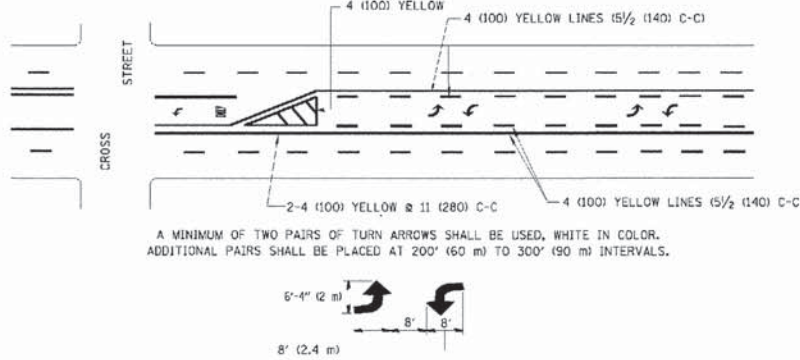
TYPICAL LANE AND EDGE LINE MARKING



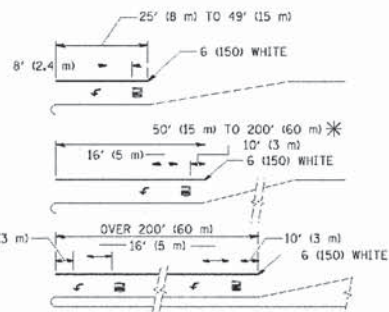
TYPICAL CROSSWALK MARKING



TYPICAL PAINTED MEDIAN MARKING



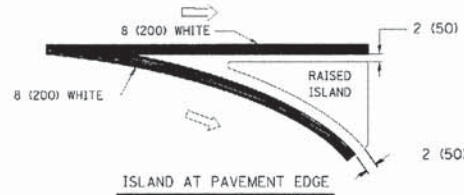
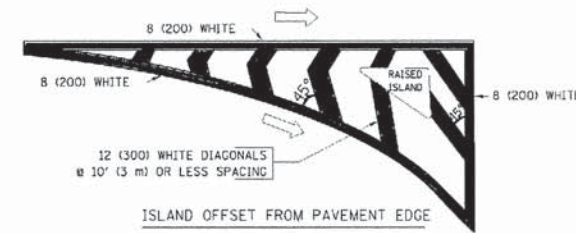
TYPICAL PAINTED MEDIAN MARKING



* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
CORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m²) EACH "X"=54.0 SQ. FT. (5.0 m²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

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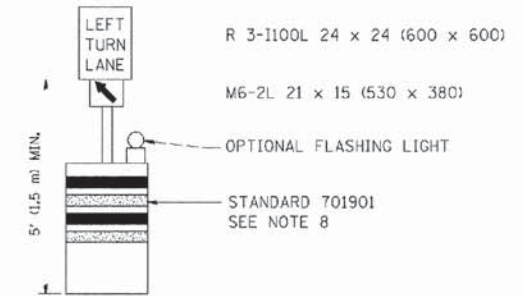
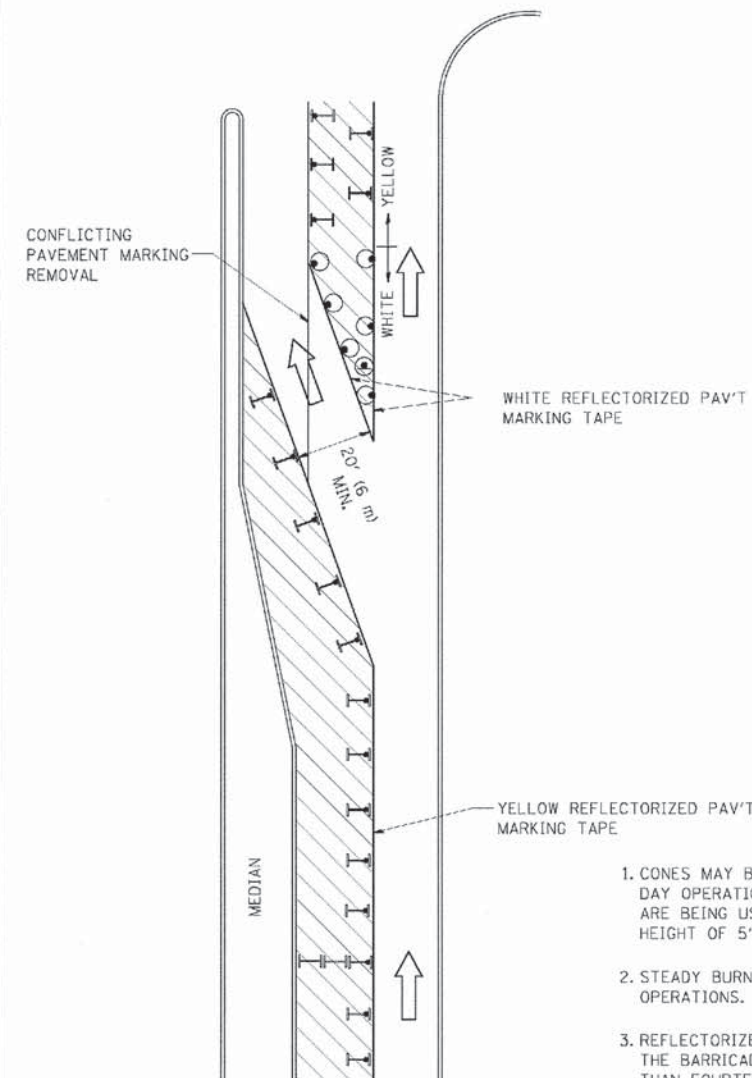
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P.L.I. SCALE = 50,000 % (1/4")	DATE	03-19-90	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE. 0034 3860	SECTION 13-0006-00-RS	COUNTY MCHENRY	TOTAL SHEETS 33	SHEET NO. 30
TC-13			CONTRACT NO. 63846	
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT M-4003(194)				

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GENERAL NOTES

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM OPER 725 IS REQUIRED.
8. IF A DRUM OR TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHR 350 PREQUIREMENTS.
9. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

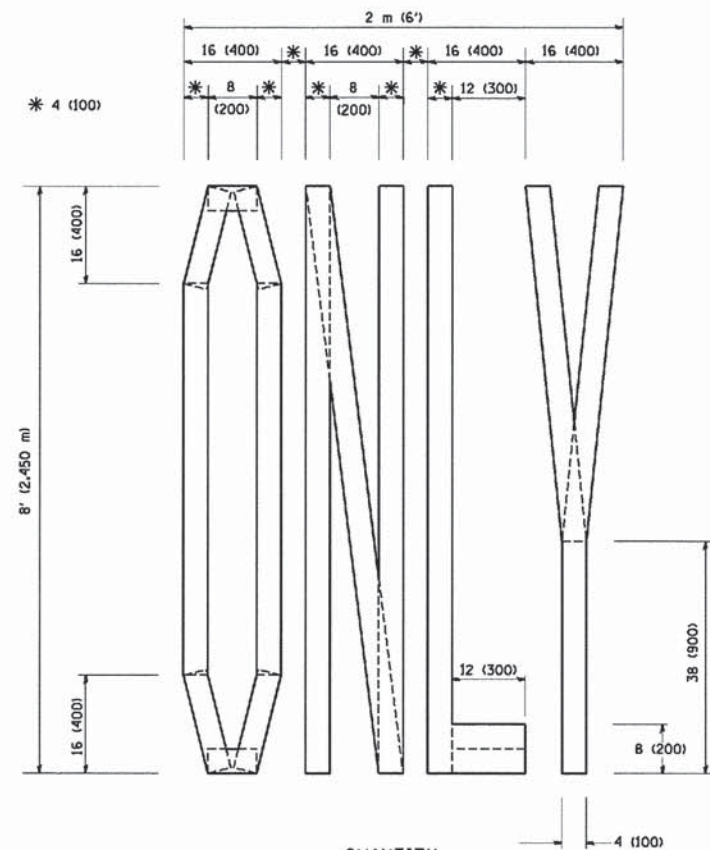
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		REVISED - A. HOUSEH 10-12-96	REVISED -
		REVISED - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

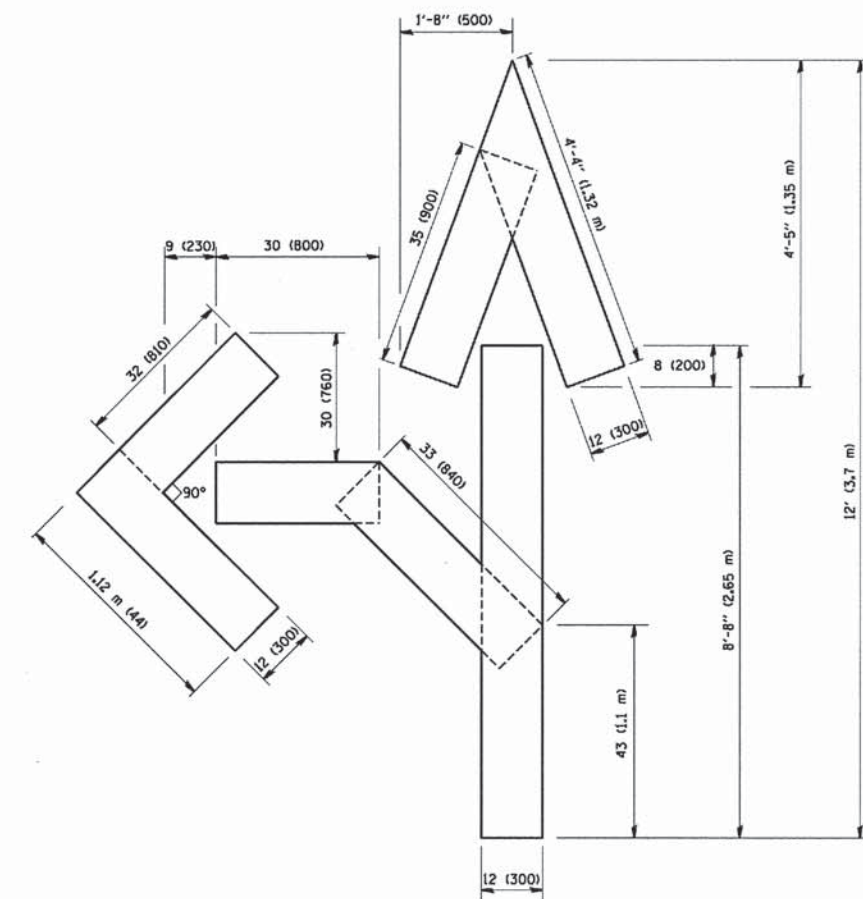
**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

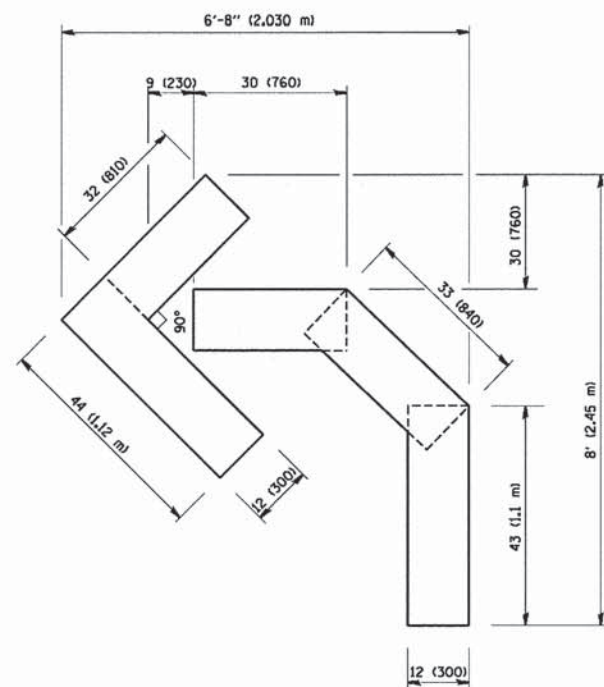
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0034 3860	13-00006-00-RS	MCHENRY	33	31
TC-14			CONTRACT NO. 63846	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(194)				



QUANTITY
4 (100) LINE = 64.1 ft. (19.7 m)
21.1 sq. ft. (1.97 sq. m)



QUANTITY
4 (100) LINE = 82.5 ft. (25.3 m)
27.5 sq. ft. (2.53 sq. m)



QUANTITY
4 (100) LINE = 45.5 ft. (13.9 m)
15.2 sq. ft. (1.39 sq. m)

All dimensions are in inches (millimeters) unless otherwise shown.

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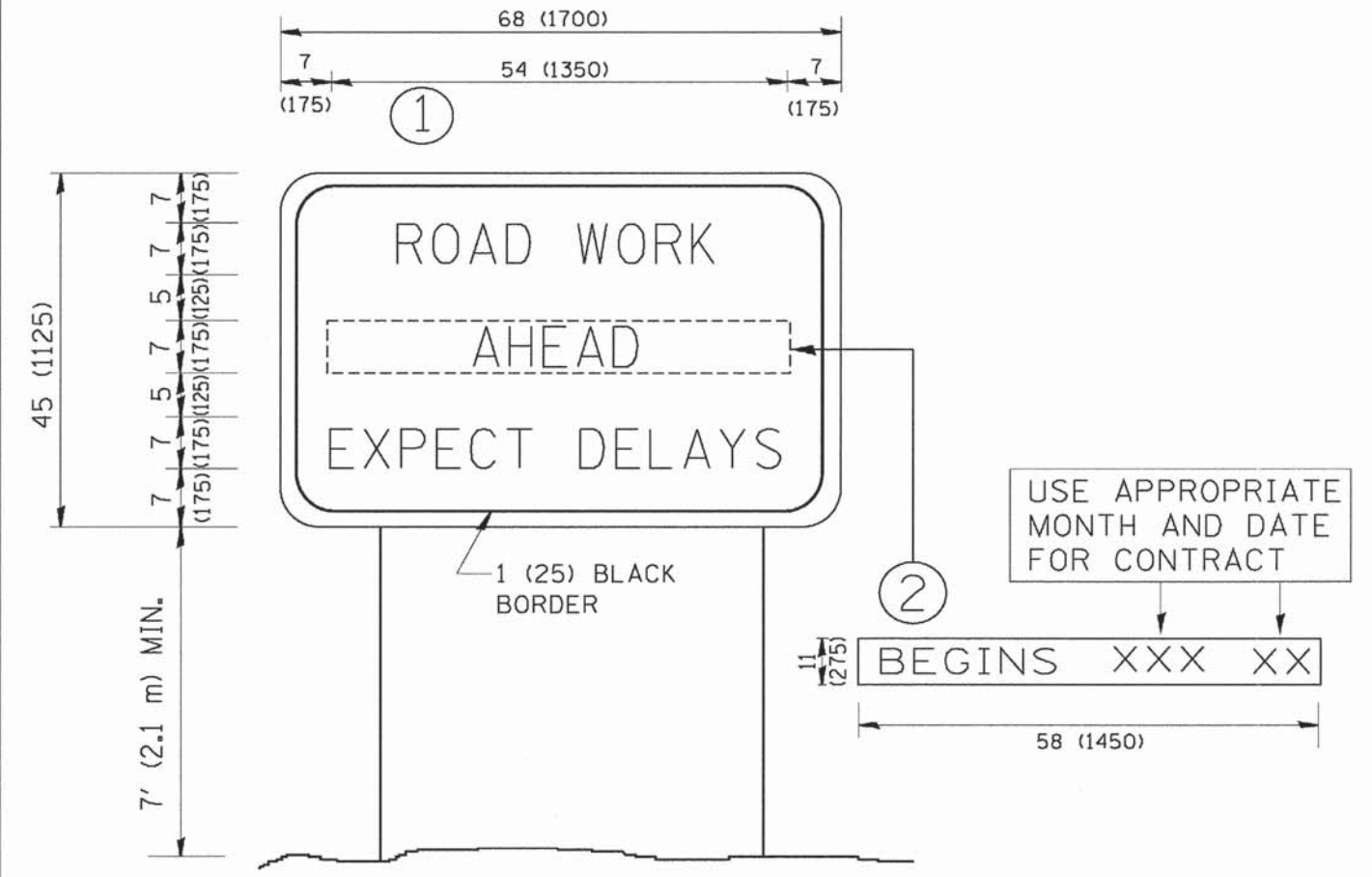
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS
FOR TRAFFIC STAGING

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0034 3860	13-00006-00-RS	MCHENRY	33	32
TC-16		CONTRACT NO. 63846		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(194)				

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NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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