

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PLANS FOR PROPOSED
FEDERAL AID HIGHWAY**

FAU ROUTE 2326 (BONCOSKY ROAD)

RIVER RIDGE DRIVE TO FAU 3887 (IL RTE 31)

SECTION: 09-00055-00-RS

PROJECT: M-4003(723)

RESURFACING

VILLAGE OF WEST DUNDEE

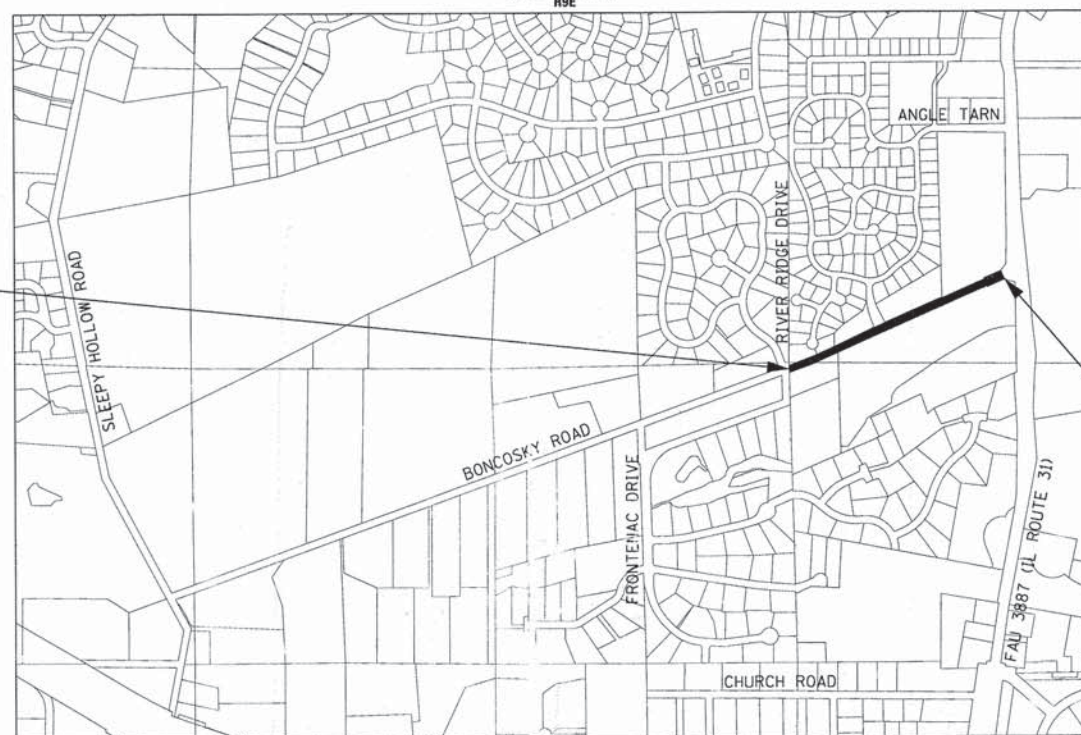
KANE COUNTY

C-91-258-16

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2326	09-00055-00-RS	KANE	13	1
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED AID PROJECT		



LOCATION MAP
(NOT TO SCALE)
R9E



SECTION 33, T42N, R9E, OF T' E THIRD PRINCIPAL MERIDIAN

ROADWAY DATA

DESIGN DESIGNATION = URBAN COLLECTOR

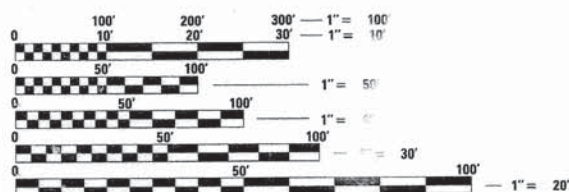
POSTED SPEED LIMIT = 45 MPH

DESIGN SPEED LIMIT = 45 MPH

2014 ADT = 3,900

BEGIN IMPROVEMENT
STA. 11 + 15

END IMPROVEMENT
STA. 28 + 40



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. A1162969



CONTACT JULIE AT 811 OR 800-892-0123 WITH THE FOLLOWING:

COUNTY = KANE
CITY-TWNSHP. = WEST DUNDEE - DUNDEE
SEC. & 1/4 SEC. NO. 27-SW 1/4
48 HOURS (2 working days) BEFORE YOU DIG

DUNDEE TOWNSHIP
GROSS LENGTH OF IMPROVEMENT = 1,725 LF OR 0.327 MILES
NET LENGTH OF IMPROVEMENT = 1,725 LF OR 0.327 MILES



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED _____ .20
WEST DUNDEE, PUBLIC WORKS DIRECTOR

PASSED March 15 _____ .2016
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW March 24 _____ .20 16
REGION ONE ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

CONTRACT NO. 63389

B&W PROJECT NO.: 090952.40 DATE: 03-14-16

ENGINEER: FAWAD ADUWEL, PE, PTCE (847) 705-4021 SCHAUMBURG, IL
 DRAWN BY: JULIE ILLINOIS ONE-CALL SYSTEM
 CHECKED BY: JULIE ILLINOIS ONE-CALL SYSTEM
 DATE: 03/14/16

GENERAL NOTES

- 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".
- THE CONTRACTOR SHALL HAVE THE RESPECTIVE UTILITY COMPANIES FIELD LOCATE ALL THEIR FACILITIES PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL ALSO VERIFY THE DEPTHS OF THE EXISTING UTILITIES IF NECESSARY. ALL RELOCATION OR LOWERING OF UTILITIES SHALL BE COORDINATED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE ENGINEER OR VILLAGE.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK TO OBTAIN VILLAGE UTILITY LOCATIONS AND SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER.
- MATERIALS RESULTING FROM THE REMOVAL OF PAVEMENT FOR PATCHING SHALL BE REMOVED AT THE END OF EACH DAY TO AN APPROVED SITE. IN THE JUDGMENT OF THE VILLAGE, SHOULD IT BE NECESSARY TO REMOVE SUCH MATERIALS, THE VILLAGE WILL HAVE THE MATERIAL REMOVED AND THE CONTRACTOR WILL BE BILLED (CHARGED) ACCORDINGLY.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL WATER REQUIRED FOR THIS PROJECT FROM AN OFFSITE LOCATION.
- ANY SIGNS OR MAILBOXES THAT ARE IN CONFLICT WITH THE PROPOSED CONSTRUCTION SHALL BE REMOVED AND REPLACED IN ACCORDANCE WITH VILLAGE STANDARDS AND INCLUDED IN THE COST OF THE CONTRACT. MAIL SERVICE SHALL BE MAINTAINED AT ALL TIMES.
- EXISTING PAVEMENT, DRIVEWAY PAVEMENT, CURB AND GUTTER AND SIDEWALK 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.
- THE LOCATIONS OF THE CLASS D PATCHES SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.
- ALL AGGREGATE USED ON THIS PROJECT SHALL BE CRUSHED MATERIAL.
- THE QUANTITIES FOR PATCHING WILL NOT EXCEED THE AMOUNT LISTED IN THE SUMMARY OF QUANTITIES.
- THE DAYS PAVING OPERATION SHALL 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.

- PRIOR TO CONSTRUCTION OF ANY PROPOSED UTILITIES, THE CONTRACTOR SHALL EXCAVATE AND LOCATE THE EXISTING UTILITIES TO VERIFY THEIR LOCATION, SIZE AND DEPTH TO INSURE THAT GRADE CONFLICTS WILL NOT OCCUR. THE COST OF THIS EXPLORATION SHALL BE INCLUDED IN THE COST OF THE PROPOSED PIPE CULVERT CONSTRUCTION.
- NO DAMAGE TO PARKWAYS IS PLANNED AS PART OF THESE IMPROVEMENTS. ANY AND ALL RESTORATION OF DAMAGED PARKWAYS SHALL CONSIST OF NECESSARY SUB-GRADE MATERIALS APPROVED BY THE ENGINEER, TOPSOIL 4-INCH AND NATIVE SOD IN ACCORDANCE WITH SECTION 1081.03. RESTORATION SHALL BE INCLUDED IN THE PAY ITEM WHICH CAUSED THE DISTURBANCE.

BENCHMARKS

- BM #1: NORTHWEST BOLT OF FIRE HYDRANT AT NORTHWEST CORNER OF BONCOSKY ROAD AND FRONTENAC DRIVE ELEVATION=743.93
- BM#2: WEST BOLT OF FIRE HYDRANT AT NORTHWEST CORNER OF BONCOSKY ROAD AND FAIRHILLS DRIVE ELEVATION=735.02
- BM #3: RAILROAD SPIKE IN POWER POLE AT SOUTHWEST CORNER OF BONCOSKY ROAD AND IL 31 ELEVATION=730.90

INDEX OF SHEETS

SHEET NO.	TITLE
1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, LEGEND & BENCHMARKS
3	SUMMARY OF QUANTITIES
4	TYPICAL SECTIONS AND HMA MIXTURE REQUIREMENTS
5 - 6	RESURFACING PLANS
7 - 8	PAVEMENT MARKING PLANS
9	DISTRICT 1 DETAIL - BD-22 PAVEMENT PATCHING FOR HMA SURFACED PAVEMENTS
10	DISTRICT 1 DETAIL - BD-32 BUTT JOINTS AND HMA TAPER DETAILS
11	DISTRICT 1 DETAIL - TC-10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
12	DISTRICT 1 DETAIL - TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKINGS
13	DISTRICT 1 DETAIL - TC-22 ARTERIAL ROAD INFORMATION SIGN

HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
442201-03	CLASS C AND D PATCHES
542401-02	METAL END SECTION FOR PIPE CULVERTS
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701901-05	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS

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 232426 PU DATE 03-14-16 FILE 090952-GenNotes.sht



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VILLAGE OF WEST DUNDEE, ILLINOIS
FAU 2326 BONCOSKY ROAD

**INDEX OF SHEETS, HIGHWAY STANDARDS,
GENERAL NOTES, & BENCHMARKS**

SCALE: NONE

STA. TO STA.

F.A. RT. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2326	09-00055-00-RS	KANE	13	2
CONTRACT NO. 63389				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				75% FEDERAL 25% LOCAL			
				ROADWAY 0005			
20800150	TRENCH BACKFILL	CU YD	14	14			
28000500	INLET AND PIPE PROTECTION	EACH	2	2			
28100107	STONE RIP RAP, CLASS A4	SQ YD	11	11			
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	2,947	2,947			
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	7	7			
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	259	259			
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	268	268			
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	518	518			
44201690	CLASS D PATCHES, TYPE I, 4 INCH	SQ YD	20	20			
44201692	CLASS D PATCHES, TYPE II, 4 INCH	SQ YD	80	80			
44201694	CLASS D PATCHES, TYPE III, 4 INCH	SQ YD	198	198			
44201696	CLASS D PATCHES, TYPE IV, 4 INCH	SQ YD	988	988			
44300100	AREA REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A	SQ YD	4,500	4,500			
48101200	AGGREGATE SHOULDERS, TYPE B	TON	173	173			
50105220	PIPE CULVERT REMOVAL	FOOT	38	38			

* INDICATES SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				75% FEDERAL 25% LOCAL			
				ROADWAY 0005			
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	66	66			
54213873	STEEL END SECTIONS 18"	EACH	4	4			
67100100	MOBILIZATION	LSUM	1	1			
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	1	1			
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1,080	1,080			
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	357	357			
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	6,710	6,710			
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	130	130			

* INDICATES SPECIALTY ITEM

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	CHECKED - DTH	REVISED
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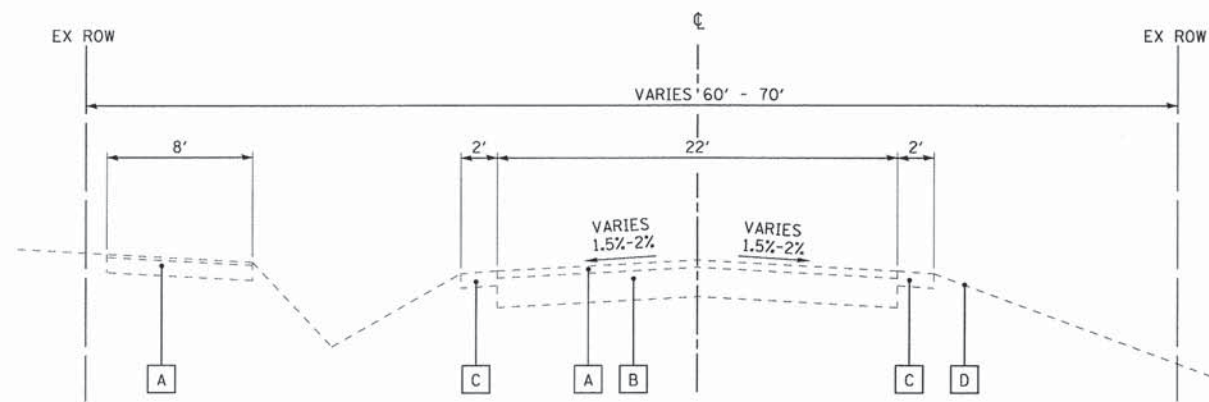
**VILLAGE OF WEST DUNDEE, ILLINOIS
FAU 2326 BONCOSKY ROAD**

SUMMARY OF QUANTITIES

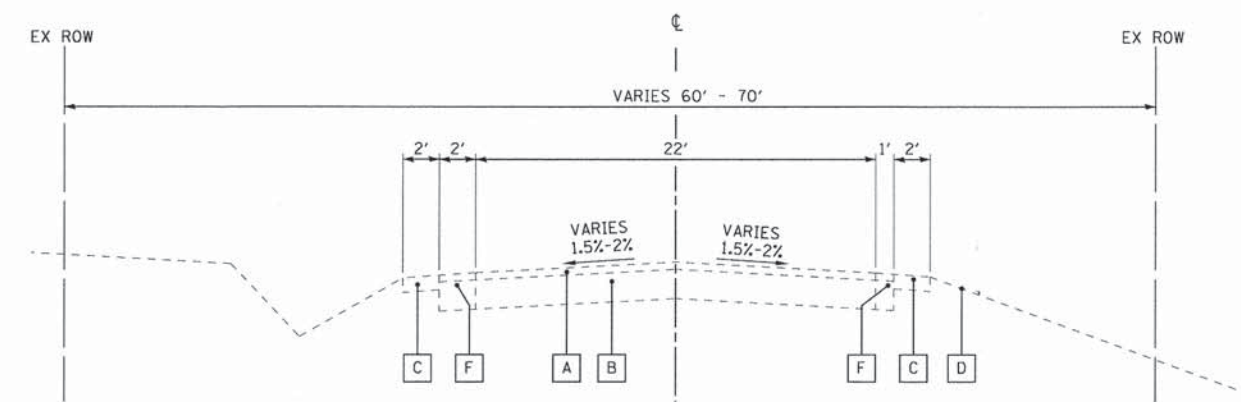
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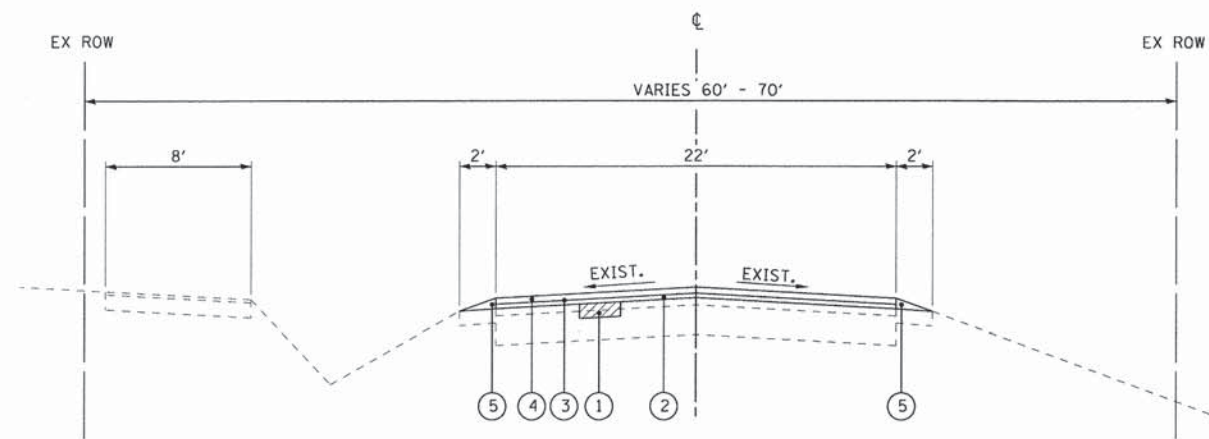
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FED. ROAD DIST. NO.			CONTRACT NO. 63



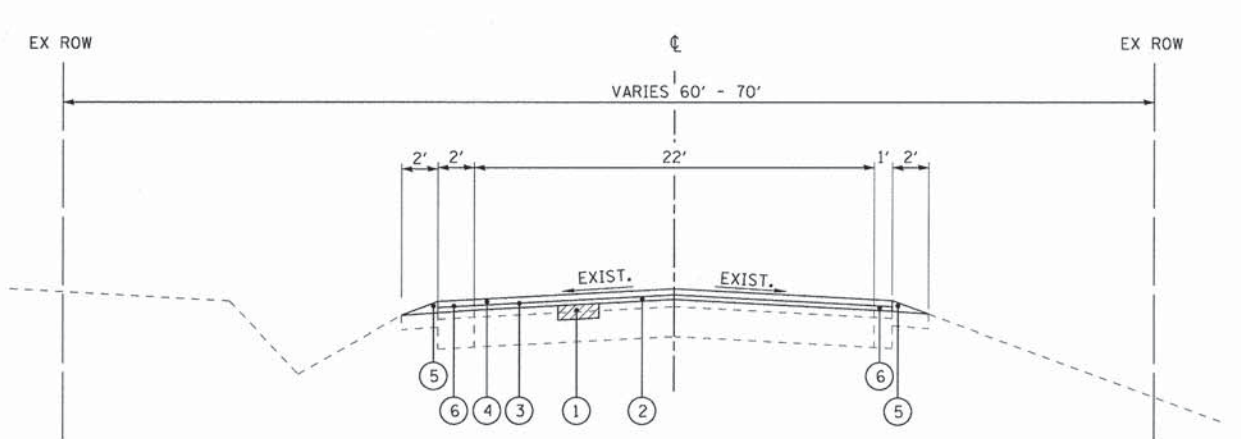
**EXISTING TYPICAL SECTION
BONCOSKY ROAD
STA. 11+15 TO STA. 25+75**



**EXISTING TYPICAL SECTION
BONCOSKY ROAD
STA. 25+75 TO STA. 28+40**



**PROPOSED TYPICAL SECTION
BONCOSKY ROAD
STA. 11+15 TO STA. 25+75**



**PROPOSED TYPICAL SECTION
BONCOSKY ROAD
STA. 25+75 TO STA. 28+40**

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndes
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - (IL-9.5 mm)	4% @ 50 Gyr
LEVELING BINDER (MACHINE METHOD) N50 - (IL-9.5 mm)	4% @ 50 Gyr
CLASS D PATCHES (HMA BINDER COURSE IL-19 mm)	4% @ 70 Gyr

NOTE:

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE IS 112 LBS/SQ YD/IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP AND RAS" SEE DISTRICT ONE SPECIAL PROVISIONS.

EXISTING LEGEND

- A HOT-MIX ASPHALT SURFACE COURSE, VARIES 1-1/2" TO 3"
- B AGGREGATE BASE COURSE, 8" ±
- C AGGREGATE SHOULDER, 4" ±
- D GROUND SURFACE
- E HOT-MIX ASPHALT WALKING PATH (STA 11+60 TO STA 26+00)
- F HOT-MIX ASPHALT SHOULDER (FULL DEPTH)

PROPOSED LEGEND

- 1 CLASS D PATCH, 4"
- 2 LEVELING BINDER (MACHINE METHOD), N50-1"
- 3 AREA REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A
- 4 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50-2"
- 5 AGGREGATE SHOULDERS, TYPE B - 0" - 3"
- 6 HOT-MIX ASPHALT SHOULDERS (PAID FOR AS HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2", AREA REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A AND LEVELING BINDER (MACHINE METHOD), N50- 1")

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 1307 Park Lane, Naperville, IL 60563-1108
 TEL: 630-255-1100 FAX: 630-255-1101



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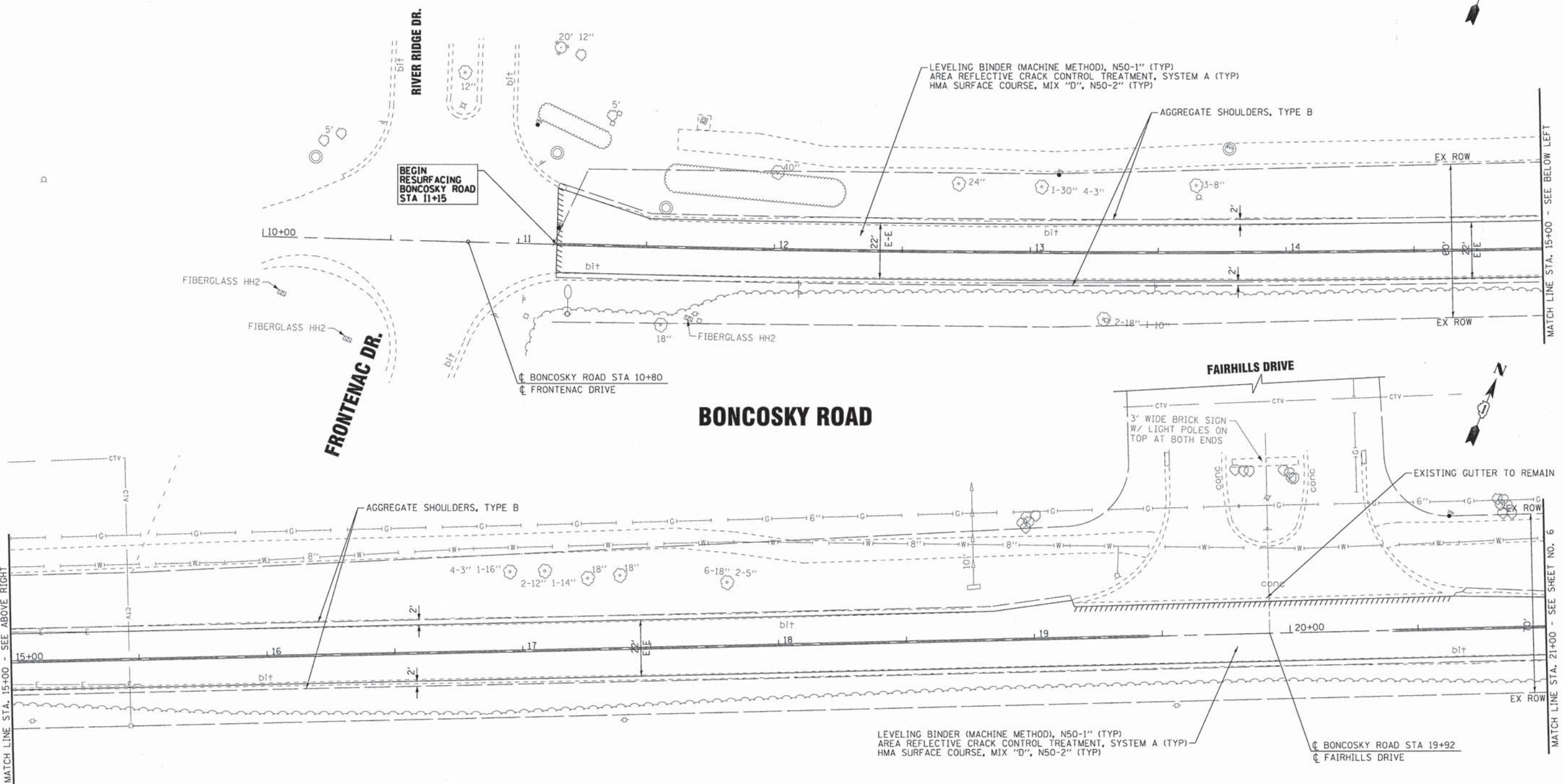
**VILLAGE OF WEST DUNDEE, ILLINOIS
FAU 2326 BONCOSKY ROAD**

**TYPICAL SECTIONS AND
HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

SCALE: NONE

STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2326	09-00055-00-RS	KANE	13	4
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63389	



MATCH LINE STA. 15+00 - SEE BELOW LEFT

MATCH LINE STA. 21+00 - SEE SHEET NO. 6



LEGEND:
 //////// HMA SURFACE REMOVAL - BUTT JOINT
 IPP INLET AND PIPE PROTECTION

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 PROJECT NO. 090952-PLAN01
 DATE: 03-14-16

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DATE - 03-14-16	FILE - 090952-Plan01.shx

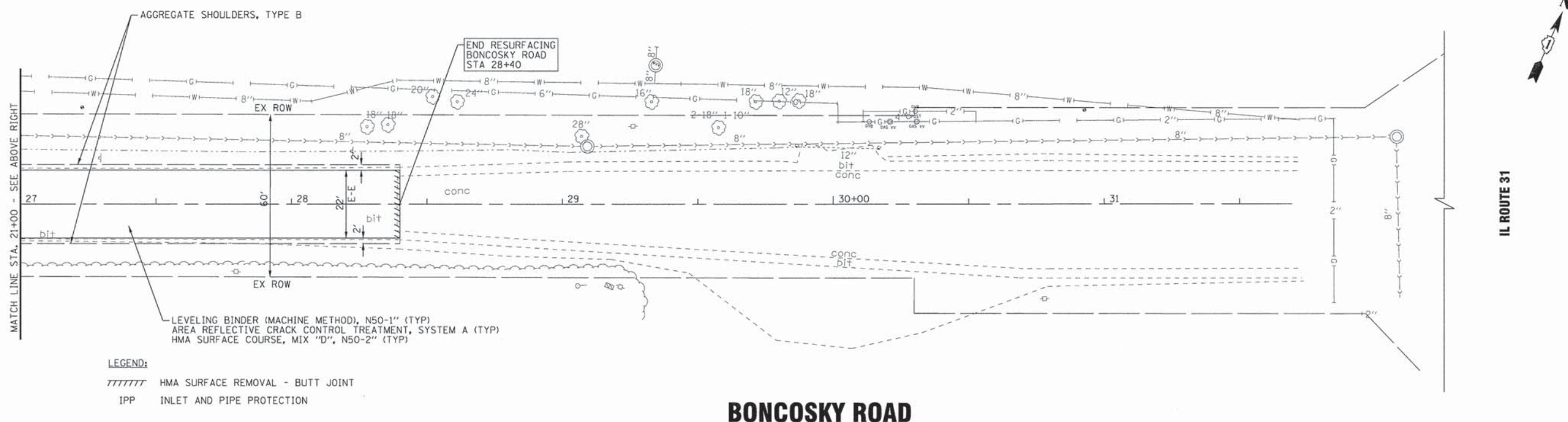
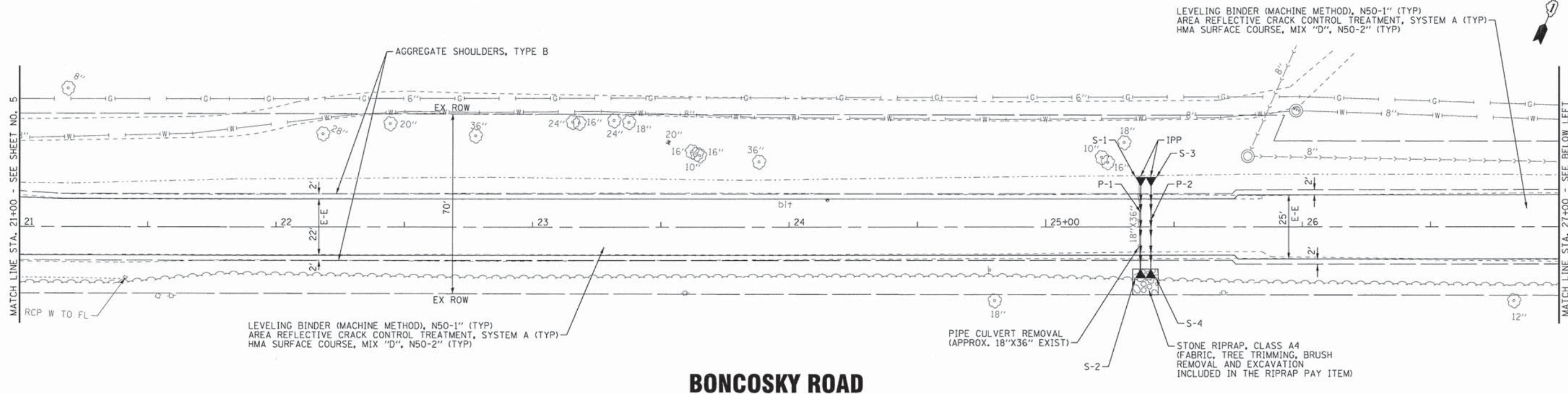
**VILLAGE OF WEST DUNDEE, ILLINOIS
 FAU 2326 BONCOSKY ROAD**

RESURFACING PLAN
 SCALE: 1"=20'
 STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2326	09-00055-00-RS	KANE	13	5
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 63389				

END SECTIONS				
NO.	STATION	OFFSET	TYPE	INVERT
S-1	25+37	16' LT	STEEL END SECTIONS 18"	728.38 18" SE
S-2	25+37	16' RT	STEEL END SECTIONS 18"	728.14 18" NW
S-3	25+41	16' LT	STEEL END SECTIONS 18"	728.38 18" SE
S-4	25+41	16' RT	STEEL END SECTIONS 18"	728.14 18" NW

PIPES					
NO.	TYPE	LENGTH (LF)	DIA (IN)	SLOPE	TBF (CY)
P-1	PIPE CULVERTS, CLASS D, TYPE 1 18"	33	18	0.73%	7
P-2	PIPE CULVERTS, CLASS D, TYPE 1 18"	33	18	0.73%	7



LEGEND:
 //////// HMA SURFACE REMOVAL - BUTT JOINT
 IPP INLET AND PIPE PROTECTION

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 ILLINOIS PROFESSIONAL ENGINEERING BOARD
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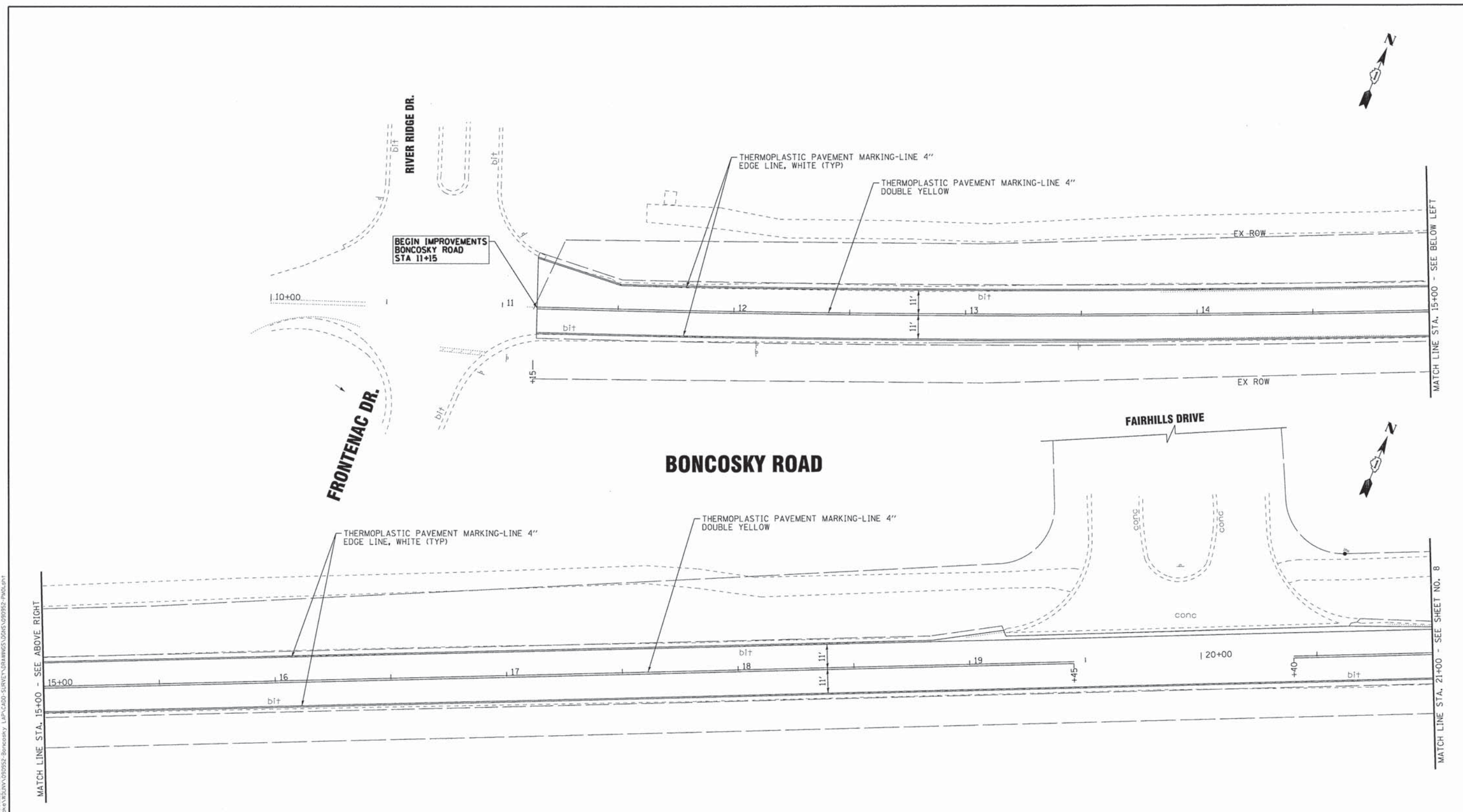
BAXTER & WOODMAN Consulting Engineers	DESIGNED - NCP	REVISED -
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	DATE - 03-14-16	FILE - 090952-Plan02.shx

**VILLAGE OF WEST DUNDEE, ILLINOIS
FAU 2326 BONCOSKY ROAD**

RESURFACING PLAN

SCALE: 1"=20'
STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2326	09-00055-00-RS	KANE	13	6
CONTRACT NO. 63389				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



NOTE:

1. PROPOSED PAVEMENT MARKING REPLACES EXISTING CONFIGURATION AND SHALL BE IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" DETAIL, (TC-13).

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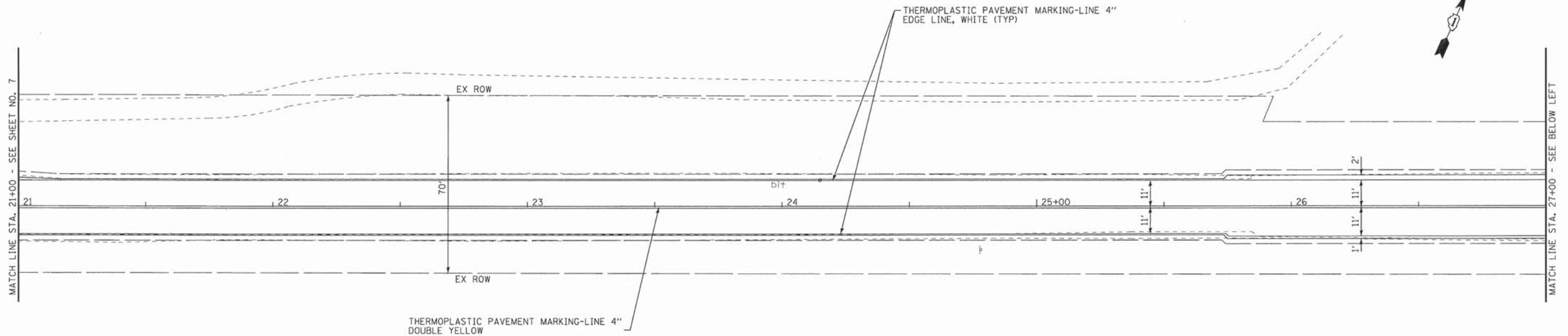
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VILLAGE OF WEST DUNDEE, ILLINOIS
 FAU 2326 BONCOSKY ROAD

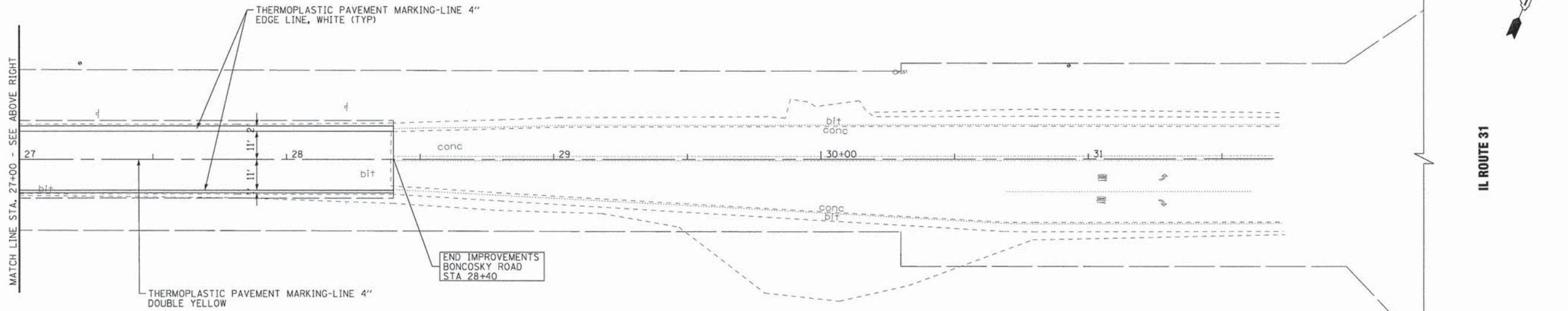
PAVEMENT MARKING PLAN

SCALE: 1"=20' STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2326	09-00055-00-RS	KANE	13	7
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63389	



BONCOSKY ROAD



BONCOSKY ROAD

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 2300 S
 IN CHARGE: LARRY WOODMAN, P.E.
 PROJECT: VILLAGE OF WEST DUNDEE, ILLINOIS - BONCOSKY ROAD IMPROVEMENTS
 DRAWING: PAVEMENT MARKING PLAN - PM02

BAXTER & WOODMAN
Consulting Engineers

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CHECKED - DTH	REVISED -
DATE - 03-14-16	FILE - 090952-PM02.shx

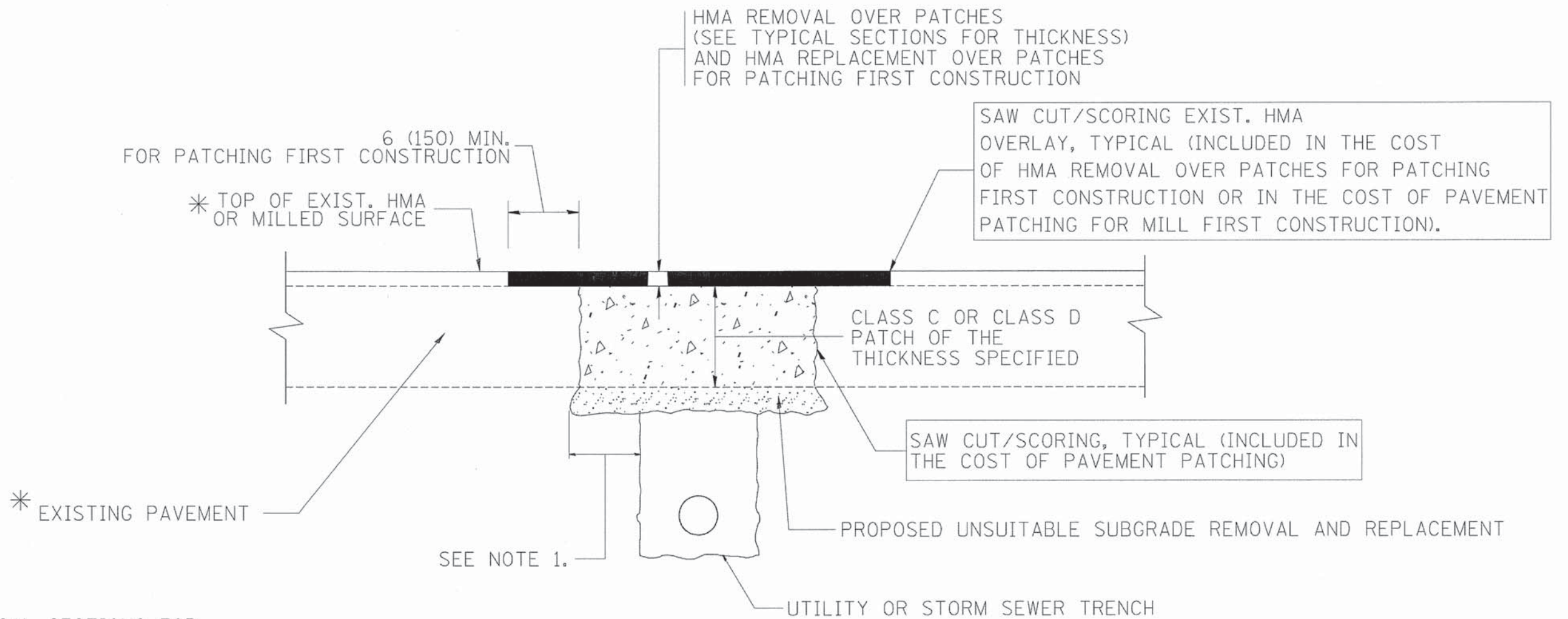
**VILLAGE OF WEST DUNDEE, ILLINOIS
FAU 2326 BONCOSKY ROAD**

PAVEMENT MARKING PLAN

SCALE: 1"=20'

STA. TO STA.

F.A. RTE. 2326	SECTION 09-00055-00-RS	COUNTY KANE	TOTAL SHEETS 13	SHEET NO. 8
CONTRACT NO. 63389				
ILLINOIS FED. AID PROJECT				



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

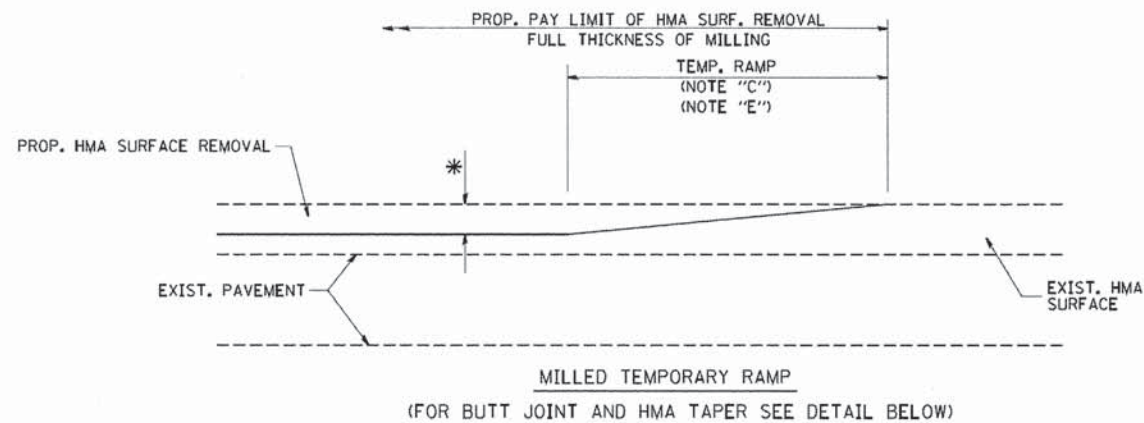
SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

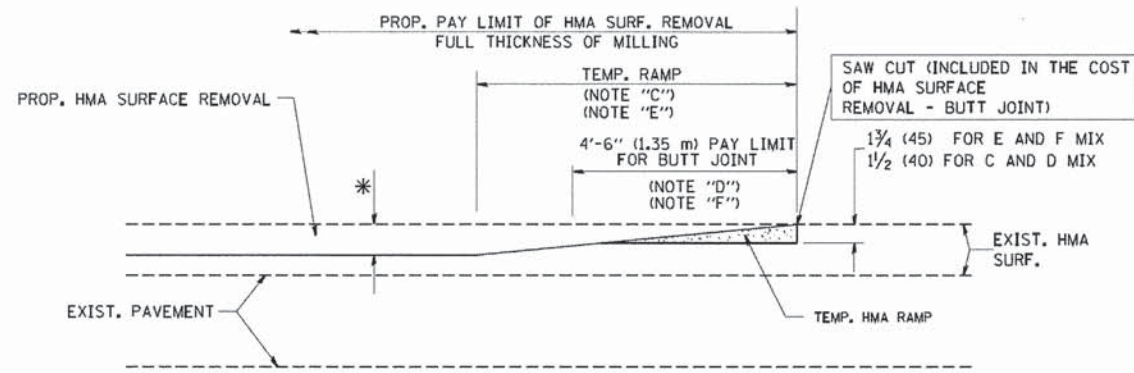
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 230 S. MONROE STREET, SUITE 200, CHICAGO, IL 60604
 DATE: 8/20/04
 FILE NAME = ...:\projects\diststd22x34\bd22.dgn
 USER NAME = bauerdl
 DESIGNED - R. SHAH
 DRAWN -
 PLOT SCALE = 50.000' / IN.
 CHECKED -
 PLOT DATE = 10/27/2008
 REVISIONS:
 REVISED - A. ABBAS 04-27-98
 REVISED - R. BORO 01-01-07
 REVISED - R. BORO 09-04-07
 REVISED - K. ENG 10-27-08

FILE NAME = m:\projects\diststd22x34\bd22.dgn	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT			F.A. RTE. #FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. BORO 01-01-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	09-000-55-00-RS	KANE	13	9
		CHECKED -	REVISED - R. BORO 09-04-07		BD400-04 (BD-22)							
		DATE - 10-25-94	REVISED - K. ENG 10-27-08		CONTRACT NO. 63389							



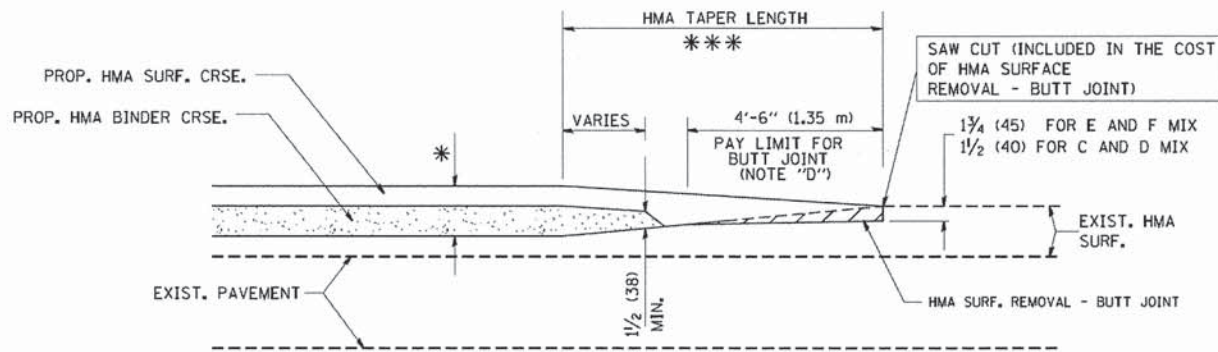
MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

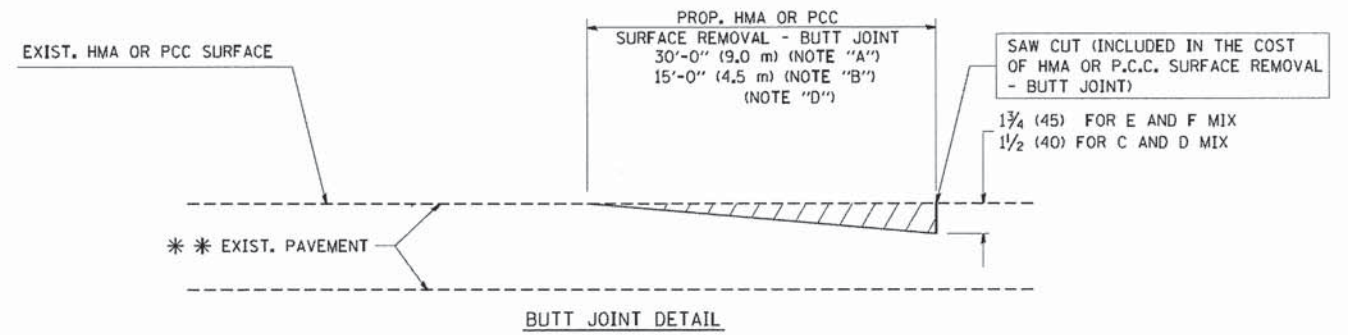


HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

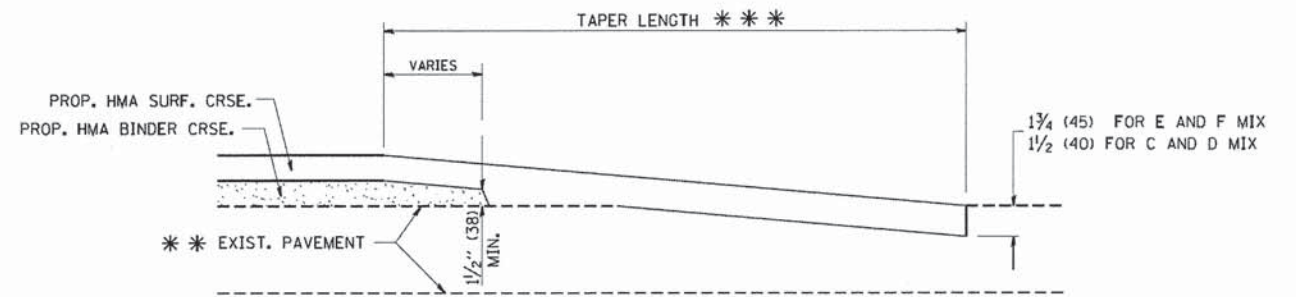
OPTION 2
TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER
FOR RESURFACING ONLY

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

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".

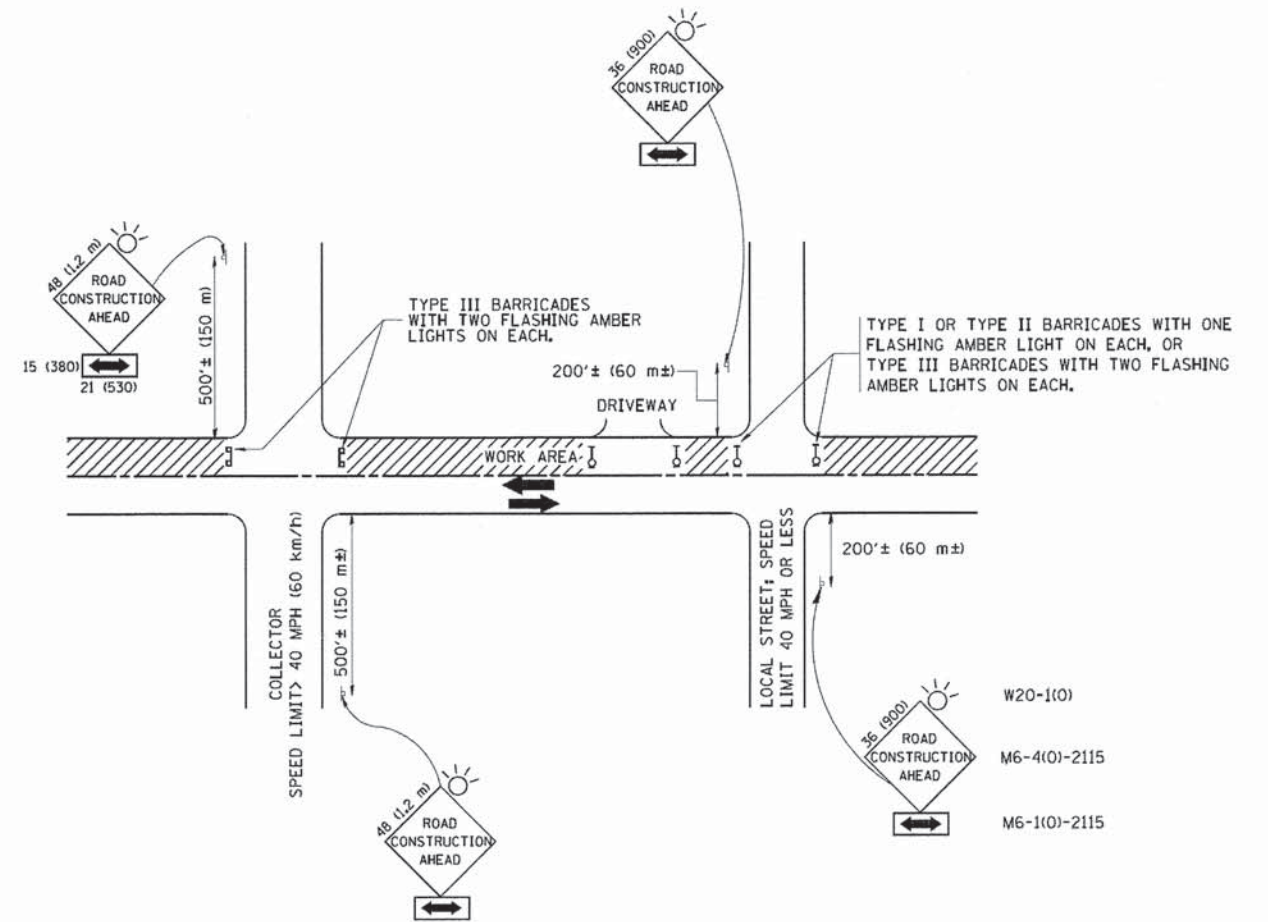
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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 LICENSE NO. 011-001143
 PROJECT NO. 01-01-07
 DATE: 1/4/2008

FILE NAME = W:\distata\22x34\bd32.dgn	USER NAME = gaglienobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
		DRAWN -	REVISED - A. ABBAS 03-21-97
		PLOT SCALE = 50.0000 "/ IN.	REVISED - M. GOMEZ 04-06-01
		PLOT DATE = 1/4/2008	REVISED - R. BORO 01-01-07
		CHECKED -	
		DATE - 06-13-90	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: NONE		#FAU	09-000-55-00-RS	KANE	13	10
SHEET NO. 1 OF 1 SHEETS		BD400-05 BD32		CONTRACT NO. 63389		
STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS**
- 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:
 - 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.
 - 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.
 - SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - 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.
 - 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.
- 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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 LICENSE NO. 184-000211 - EXPIRES 4/30/2005
 23540
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 USER NAME = gajlianobt
 DESIGNED - LHA
 DRAWN -
 CHECKED -
 DATE - 06-89
 REVISED - J. OBERLE 10-18-95
 REVISED - A. HOUSEH 03-06-96
 REVISED - A. HOUSEH 10-15-96
 REVISED - T. RAMMACHER 01-06-00

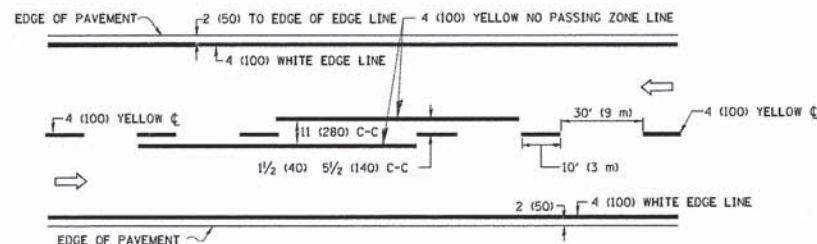
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	PLOT SCALE = 50.000 "/ IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

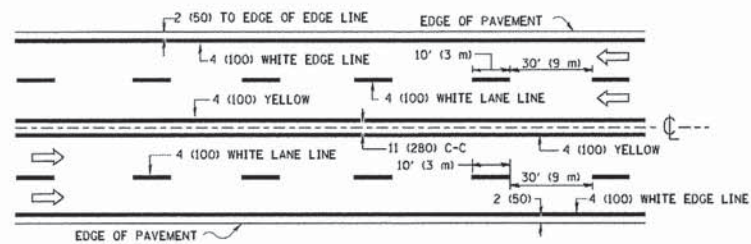
TRAFFIC CONTROL AND PROTECTION FOR
 SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

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

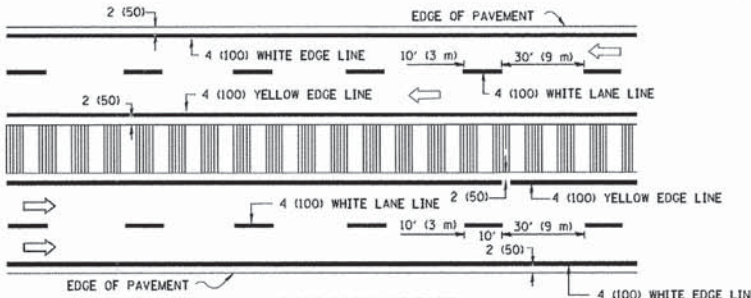
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FAU	09-000-55-00-RS	KANE	13	11
TC-10			CONTRACT NO. 63389	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

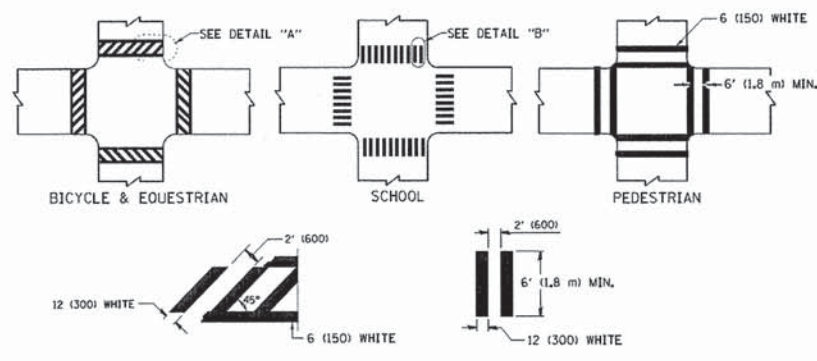


MULTI-LANE UNDIVIDED



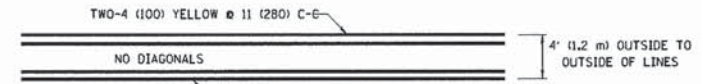
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

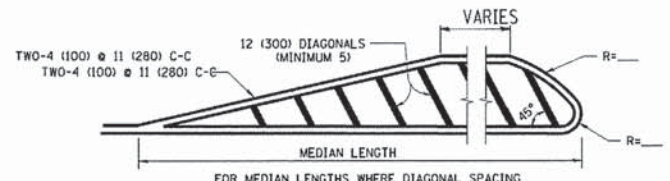


TYPICAL CROSSWALK MARKING

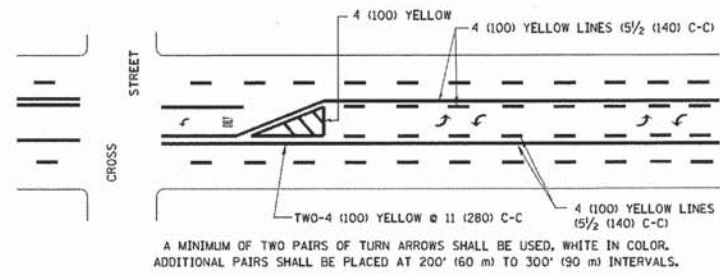
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



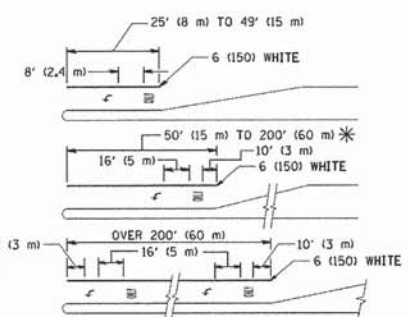
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE



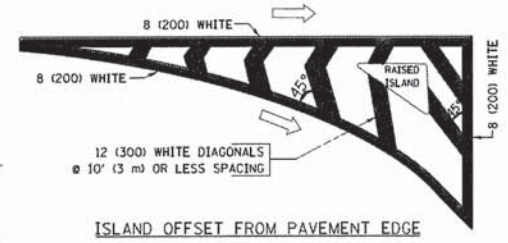
**MEDIAN WITH TWO-WAY LEFT TURN LANE
TYPICAL PAINTED MEDIAN MARKING**



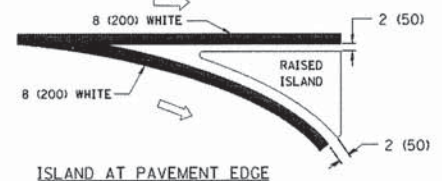
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

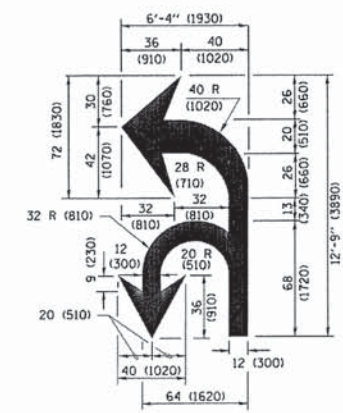
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²); ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



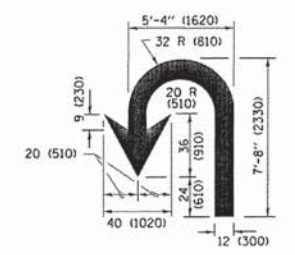
ISLAND OFFSET FROM PAVEMENT EDGE



**ISLAND AT PAVEMENT EDGE
TYPICAL ISLAND MARKING**



COMBINATION LEFT AND U-TURN



U-TURN

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

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	4 (100)	SOLID	YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE
NO PASSING ZONE LINES FOR BOTH DIRECTIONS	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100)	SKIP-DASH	WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
LANE LINES	5 (125)	SKIP-DASH	WHITE	ON FREEWAYS
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 MEDIANS IN YELLOW
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	SKIP-DASH AND SOLID IN PAIRS	YELLOW	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
TWO WAY LEFT TURN MARKING	8' (2.4m) LEFT ARROW		WHITE	SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN)	2 @ 6 (150)	SOLID	WHITE	NOT LESS THAN 6' (1.8 m) APART
CROSSWALK LINES (BIKE & EQUESTRIAN)	12 (300) @ 45°	SOLID	WHITE	2' (600) APART
CROSSWALK LINES (LONGITUDINAL BARS (SCHOOL))	12 (300) @ 90°	SOLID	WHITE	2' (600) APART
STOP LINES	24 (600)	SOLID	WHITE	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°	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45°	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS
GORE 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" 15' 6" (4.8 m) AREA OF LETTERS: 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	AREA OF "RR"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (23 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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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 TEL: 312.467.1000 FAX: 312.467.1001
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FILE NAME =	USER NAME = Iszekr-f	DESIGNED - EVERS	REVISED - T. RAMMACHER 10-27-94
PROJECT =	PROJECT =	CHECKED -	REVISED - C. JUCIUS 09-09-09
PLOT SCALE = 50,000' / 1" =	DATE = 03-19-90	REVISED - C. JUCIUS 07-01-13	REVISED - C. JUCIUS 12-21-15

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS		09-000-55-00-RS		KANE	13	12
SCALE: NONE		SHEET 1 OF 1 SHEETS		STA. TO STA.	ILLINOIS FEDERAL AID PROJECT	
				CONTRACT NO. 63389		

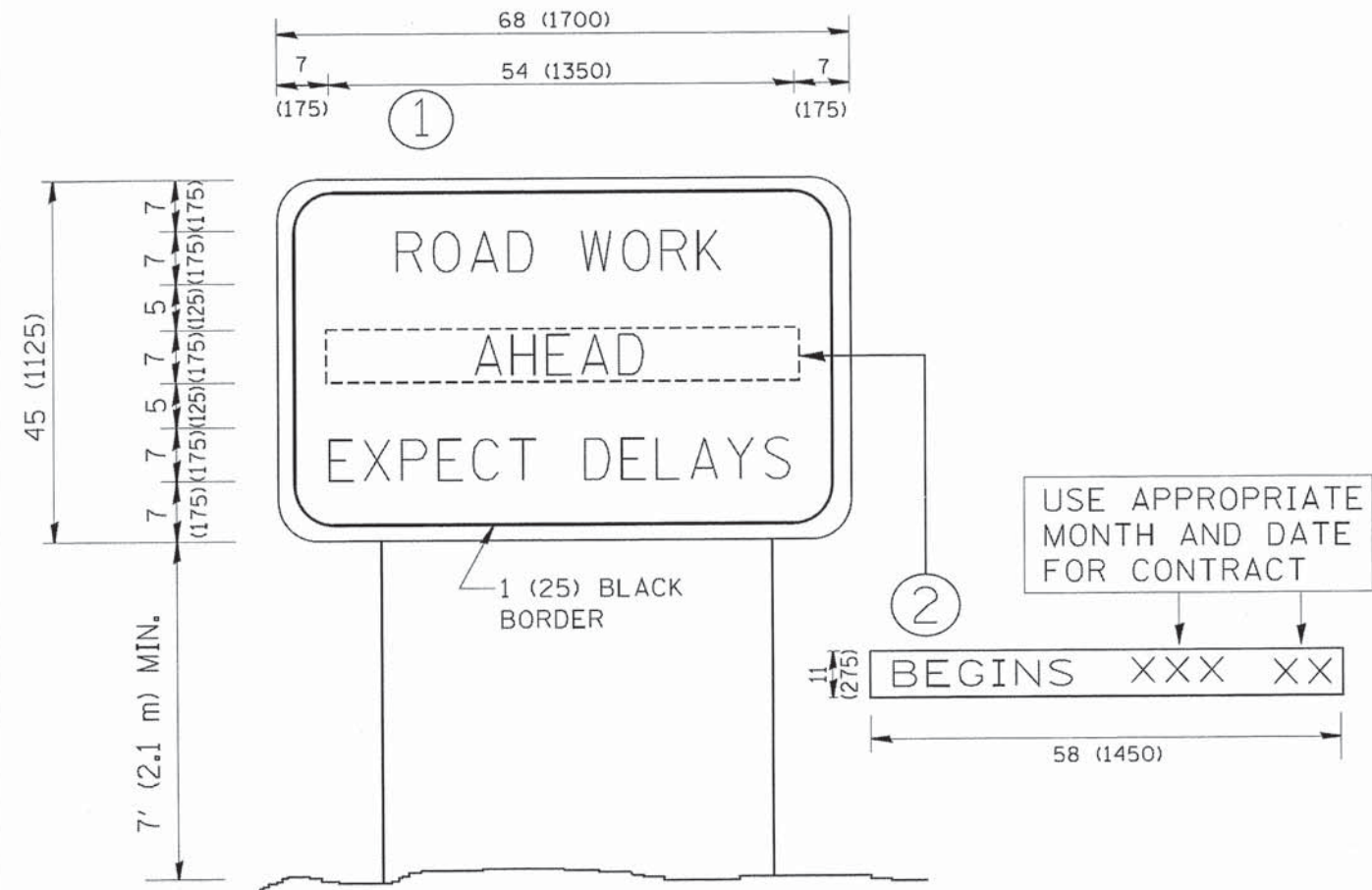
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FILE NAME = V:\distatd\22x34\to22.dgn	USER NAME = gaglianobt	DESIGNED - DRAWN -	REVISED - REVISED -
PLOT SCALE = 50.000 "/ IN.	CHECKED -	REVISED - REVISED -	R. MIRS 09-15-97 R. MIRS 12-11-97 T. RAMMACHER 02-02-99 C. JUCIUS 01-31-07
PLOT DATE = 1/4/2008	DATE -		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ARTERIAL ROAD INFORMATION SIGN			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE. \$FAU	SECTION 09-000-55-00-RS	COUNTY KANE	TOTAL SHEETS 13	SHEET NO. 13
TC-22			CONTRACT NO. 63389	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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.

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