

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT LOCATED IN THE VILLAGE OF SOUTH ELGIN

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

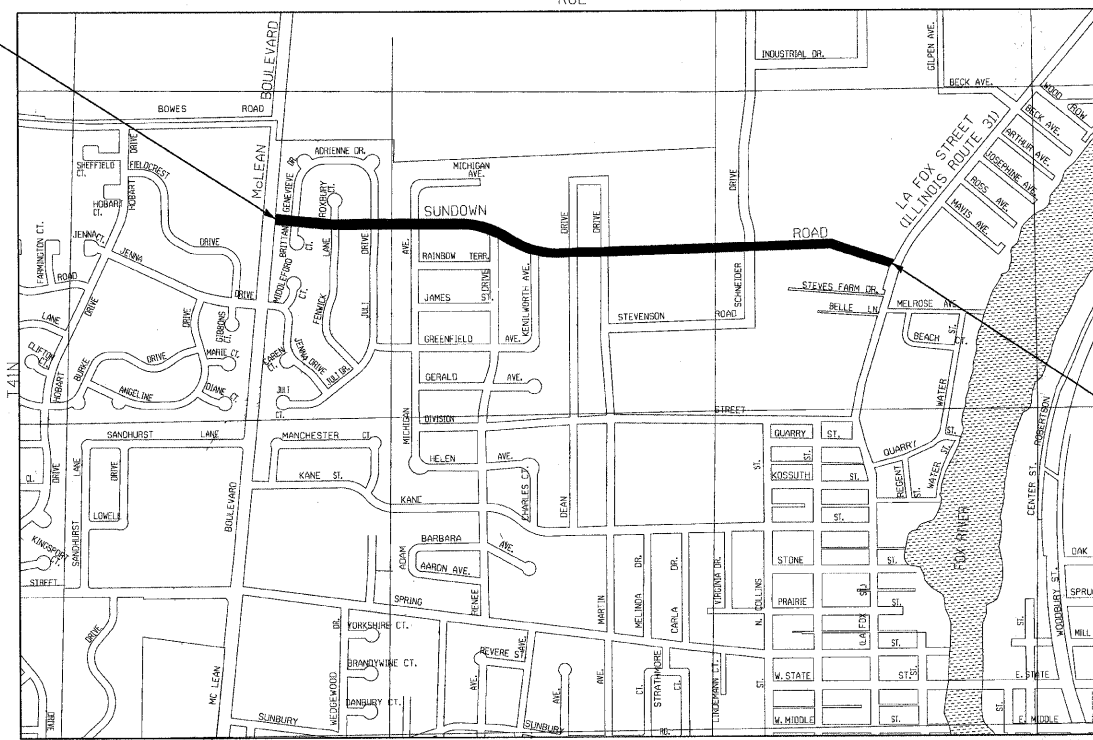
F.A.U. ROUTE 1338 SUNDOWN ROAD
FROM McLEAN BOULEVARD (FAU 2509) TO LA FOX STREET (IL ROUTE 31-FAU 3887)

LAPP RESURFACING
PROJECT No.: ARA-9003 (306)
SECTION No.: 09-00034-00-RS
JOB No: C-91-589-09
VILLAGE OF SOUTH ELGIN
KANE COUNTY

LOCATION MAP
(NOT TO SCALE)

R8E

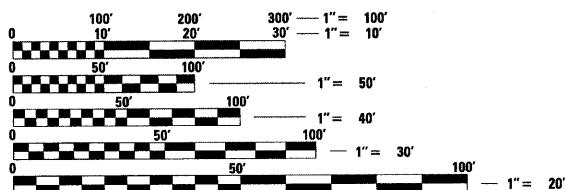
PROJECT NUMBER: ARA-9003 (306)
F.A.U. ROUTE 1338
SUNDOWN ROAD
BEGIN RESURFACING
STA 10+54



PROJECT NUMBER: ARA-9003 (306)
F.A.U. ROUTE 1338
SUNDOWN ROAD
END RESURFACING
STA 61+80

COPYRIGHT 2009, BY BAXTER & WOODMAN, INC.
STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2011

TRAFFIC DATA
SUNDOWN ROAD
POSTED & DESIGN SPEED LIMIT = 30 MPH
2008 ADT = 7,400 VPD
COLLECTOR



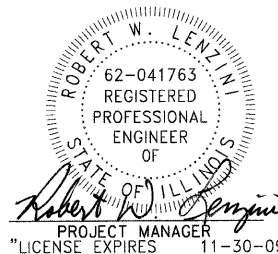
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

JULI.E. DESIGN STAGE REQUEST
DIG. No. X1040644



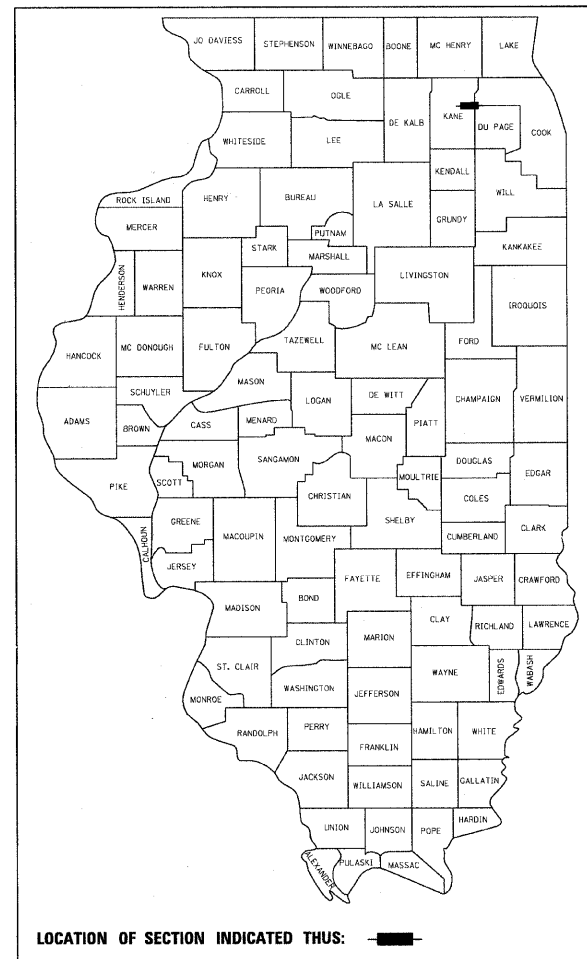
CONTACT JULIE AT 811 OR 800-892-0123
WITH THE FOLLOWING:
COUNTY = KANE
CITY-TWNSHP. = SOUTH ELGIN - ELGIN
SEC. & 1/4 SEC. NO. = SEC. 26 SW 1/4 AND SEC. 27 SW 1/4, SE 1/4, T41N, R8E
48 HOURS (2 working days) BEFORE YOU DIG

ELGIN TOWNSHIP
GROSS LENGTH OF IMPROVEMENT = 5,126 LF OR 0.971 MILES
NET LENGTH OF IMPROVEMENT = 5,126 LF OR 0.971 MILES



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	09-00034-00-RS	KANE	28	1
STA.	10+54	TO STA.	61+80	
FED. ROAD DIST. NO.	ILLINOIS	FED AID PROJECT	C-91-589-09 ARA-9003 (306)	

CONTRACT No: 63292



LOCATION OF SECTION INDICATED THIS: [Symbol]

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED August 13, 2009
Chris B...
VILLAGE OF SOUTH ELGIN, REPRESENTATIVE

PASSED SEPTEMBER 1, 2009
Christopher Holt
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID
BASED ON LIMITED
REVIEW SEPTEMBER 1, 2009
Diane M. O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

CONTRACT NO. 63292

Burlington, Wisconsin (Crystal Lake, Illinois) DeKalb, Illinois Itasca, Illinois Mokena, Illinois Grayslake, Illinois Plainfield, Illinois Madison, Wisconsin Chicago, Illinois
262.763.7834 815.459.1260 815.787.3111 630.773.1870 708.560.7070 847.223.5088 815.609.7425 608.347.1542 312.578.0050

B&W PROJECT NO.: 081332 DATE: 08-11-09

COPYRIGHT © 2009 BY BAXTER & WOODMAN, INC.
KANE COUNTY, ILLINOIS
KANE COUNTY SURVEYING & ENGINEERING, INC.
1101 S. WASHINGTON ST., SUITE 200, SOUTH ELGIN, IL 60120
TEL: 815.383.3333 FAX: 815.383.3334
FIELD ENGINEER: (MARLIN SOLOMON, P.E./847-705-4407) SCHAUMBURG, IL

SUMMARY OF QUANTITIES

CODE NO.	PAY ITEM	UNIT	CONSTRUCTION CODE I000
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	793
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	16
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	4,961
40600300	AGGREGATE (PRIME COAT)	TON	105
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	5
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	1,501
40600895	CONSTRUCTING TEST STRIP	EACH	2
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1,394
40603305	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	2
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	2,214
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	24
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	56
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	3,835
42400430	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SQ FT	233
42400800	DETECTABLE WARNINGS	SQ FT	386
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	24,805
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	96
44000600	SIDEWALK REMOVAL	SQ FT	3,858
44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	1,451
44004700	SIDEWALK REMOVAL (SPECIAL)	SQ FT	153
44201713	CLASS D PATCHES, TYPE I, 6 INCH	SQ YD	111
44201717	CLASS D PATCHES, TYPE II, 6 INCH	SQ YD	370
44201721	CLASS D PATCHES, TYPE III, 6 INCH	SQ YD	323
44201723	CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	86
44300100	AREA REFLECTIVE CRACK CONTROL TREATMENT	SQ YD	24,805
60250200	CATCH BASINS TO BE ADJUSTED	EACH	1

* INDICATES SPECIALTY ITEM

CODE NO.	PAY ITEM	UNIT	CONSTRUCTION CODE I000
60250400	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	3
60300310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	47
67100100	MOBILIZATION	L SUM	1
70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	12,571
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1,607
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	148
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	19,390
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,391
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	110
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	30
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	386
X0321556	SANITARY MANHOLES TO BE ADJUSTED	EACH	1
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	468
X4420450	CLASS D PATCHES, TYPE I, 4 INCH	SQ YD	123
X4420452	CLASS D PATCHES, TYPE II, 4 INCH	SQ YD	470
X4420454	CLASS D PATCHES, TYPE III, 4 INCH	SQ YD	455
X4420456	CLASS D PATCHES, TYPE IV, 4 INCH	SQ YD	197

* INDICATES SPECIALTY ITEM

CONSULTANT: BAXTER & WOODMAN, INC.
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 084-00024 - EXPIRES 4/30/2011
 8/4/2009
 PROJECT: 081332-SUNDOWN ROAD IMPROVEMENTS
 DRAWING: 081332-SUM



DESIGNED - DSH	REVISED - IDOT REVIEW 08-11-09
DRAWN - KAR	REVISED -
CHECKED - RWL	REVISED -
DATE - 05-15-09	FILE - 081332-S00.shd

**VILLAGE OF SOUTH ELGIN, ILLINOIS
SUNDOWN ROAD ARRA (LAPP)
IMPROVEMENTS**

SUMMARY OF QUANTITIES

SCALE: NONE

STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	09-00034-00-RS	KANE	28	3
FED. ROAD DIST. NO. C-91-589-09		CONTRACT NO. 63292		
ILLINOIS FED. AID PROJECT ARA-9003 (306)				

SCHEDULE OF QUANTITIES

HOT-MIX ASPHALT SURFACE REMOVAL – BUTT JOINT

LOCATION	AREA (SQ YD)
SUNDOWN ROAD (STA 10+54)	96
GENEVIEVE DRIVE (STA 12+01 LT)	63
BRITTANY COURT (STA 12+01 RT)	63
ROXBURY COURT (STA 15+29 LT)	63
FENWICK LANE (STA 15+29 RT)	63
JULI DRIVE (STA 18+54 LT)	63
JULI DRIVE (STA 18+54 RT)	63
MICHIGAN AVENUE (STA 21+72 LT)	67
MICHIGAN AVENUE (STA 21+72 RT)	78
RENEE DRIVE (STA 28+34 RT)	78
KENILWORTH AVENUE (STA 31+92 RT)	78
DEAN STREET (STA 35+12 LT)	78
DEAN STREET (STA 35+12 RT)	78
MARTIN DRIVE (STA 37+69 LT)	78
MARTIN DRIVE (STA 37+69 RT)	78
SCHNEIDER DRIVE (STA 49+63 LT)	112
SCHNEIDER DRIVE (STA 49+63 RT)	50
SUNDOWN ROAD (STA 61+80)	145
TOTAL	1,394

COPYRIGHT © 2009 BY BAXTER & WOODMAN, INC.
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 84-00121 - EXPIRES 7/20/2011
 PROJECT - 081332-ARRA
 8/12/2009
 ...\\server\proj\2009\081332\081332-SCHEDULE.sht
 ...\\server\proj\2009\081332\081332-SCHEDULE.sht
 ...\\server\proj\2009\081332\081332-SCHEDULE.sht



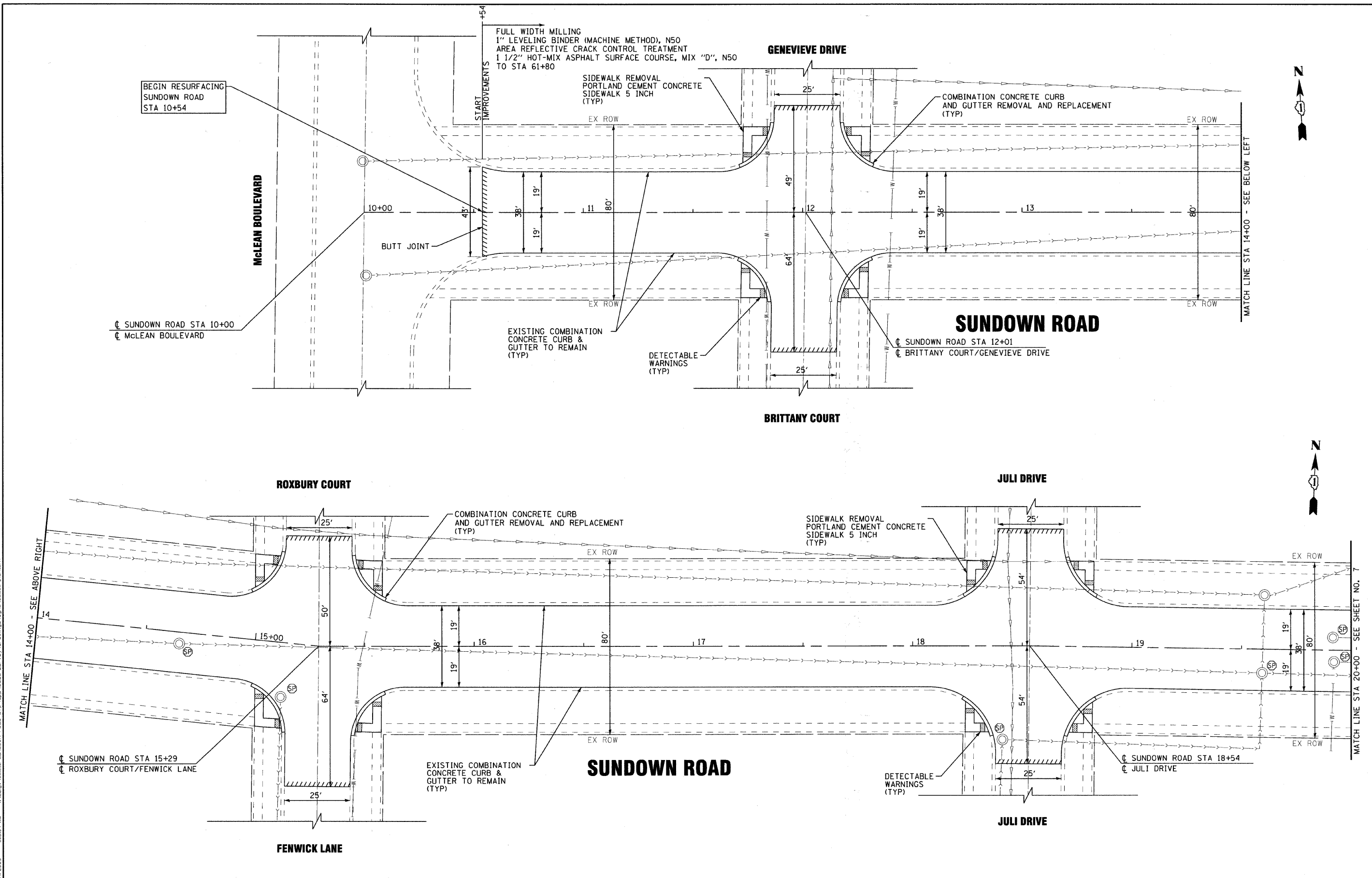
DESIGNED - DSH	REVISED - IDOT REVIEW 08-11-09
DRAWN - KAR	REVISED -
CHECKED - RWL	REVISED -
DATE - 05-15-09	FILE - 081332-SCHEDULE.sht

**VILLAGE OF SOUTH ELGIN, ILLINOIS
SUNDOWN ROAD ARRA (LAPP)
IMPROVEMENTS**

SCHEDULE OF QUANTITIES	
SCALE: NONE	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	09-00034-00-RS	KANE	28	5
FED. ROAD DIST. NO. C-91-589-09		CONTRACT NO. 63292		
ILLINOIS FED. AID PROJECT ARA-9003 (306)				

COPYRIGHT © 2009 BY BAXTER & WOODMAN, INC.
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. 384-00021 - EXPIRES 4/30/2011
 11.0010\081332-sundown_plan.dwg
 2/2/2009 8:55:34 AM



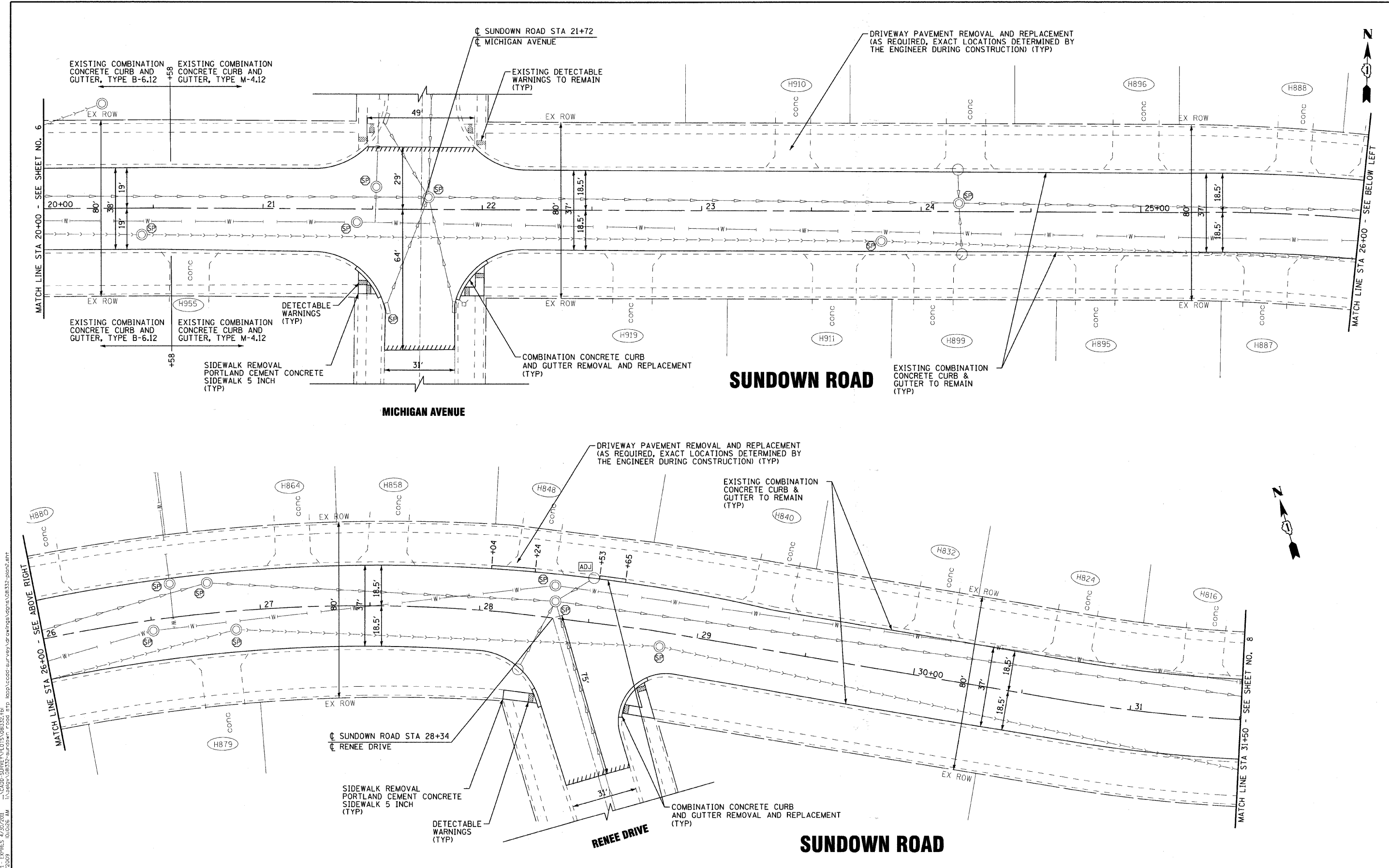
DESIGNED - DSH	REVISED - 100T REVIEW 08-11-09
DRAWN - KAR	REVISED -
CHECKED - RWL	REVISED -
DATE - 05-15-09	FILE - 081332-plan1.sht

VILLAGE OF SOUTH ELGIN, ILLINOIS
SUNDOWN ROAD ARRA (LAPP)
IMPROVEMENTS

PLAN - SUNDOWN ROAD
 SCALE: 1" = 20'
 STA. 10+00 TO STA. 20+00

F.A.U. RTE. 1338	SECTION 09-00034-00-RS	COUNTY KANE	TOTAL SHEETS 28	SHEET NO. 6
FED. ROAD DIST. NO. C-91-589-09		CONTRACT NO. 63292		
ILLINOIS FED. AID PROJECT ARA-9003 (306)				

COPYRIGHT © 2009 BY BAXTER & WOODMAN, INC.
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 081-00121 - EXPIRES 4/30/2011
 2/12/2009 10:52:26 AM
 I:\s\081332-arrows\road\p1p_081332-arrows\survey\arrows\081332-plan2.dwg
 ...:\081332-arrows\survey\arrows\081332-plan2.dwg



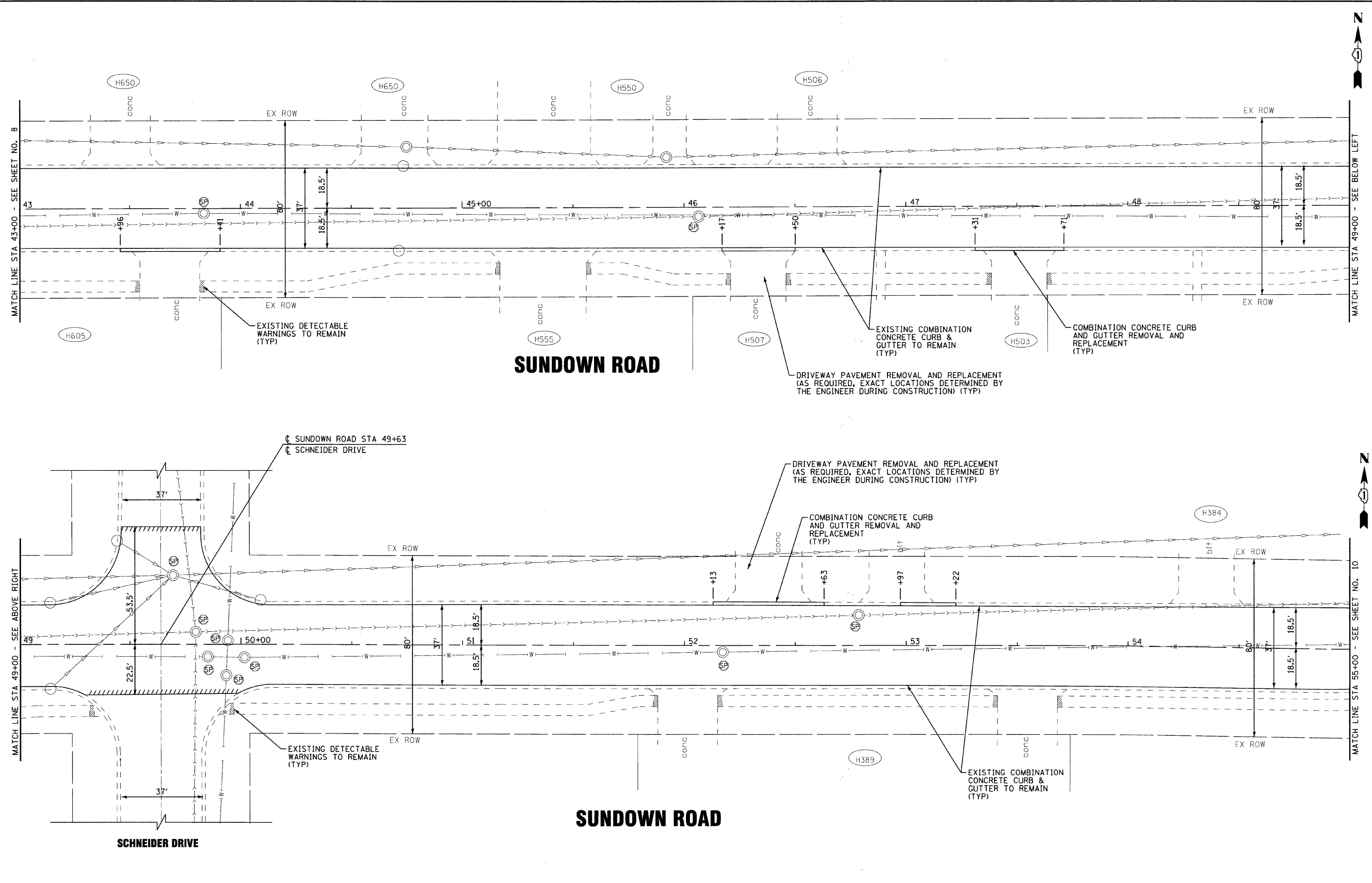
	DESIGNED - DSH	REVISED - IDOT REVIEW 08-11-09
	DRAWN - KAR	REVISED -
	CHECKED - RWL	REVISED -
	DATE - 05-15-09	FILE - 081332-plan2.sht

VILLAGE OF SOUTH ELGIN, ILLINOIS
SUNDOWN ROAD ARRA (LAPP)
IMPROVEMENTS

PLAN - SUNDOWN ROAD
 SCALE: 1" = 20'
 STA. 20+00 TO STA. 31+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	09-00034-00-RS	KANE	28	7
FED. ROAD DIST. NO. C-91-589-09			CONTRACT NO. 63292	
ILLINOIS FED. AID PROJECT ARA-9003 (306)				

COPYRIGHT © 2009 BY BAXTER & WOODMAN, INC.
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 184-00121 - EXPIRES 4/30/2011
 5/22/2009 10:03:11 AM
 I:\projects\081332-sundown\road\115\081332-plan4.dwg
 P:\cadd\surveys\1015\081332-1.dwg
 P:\cadd\surveys\1015\081332-sundown\road\115\081332-plan4.dwg



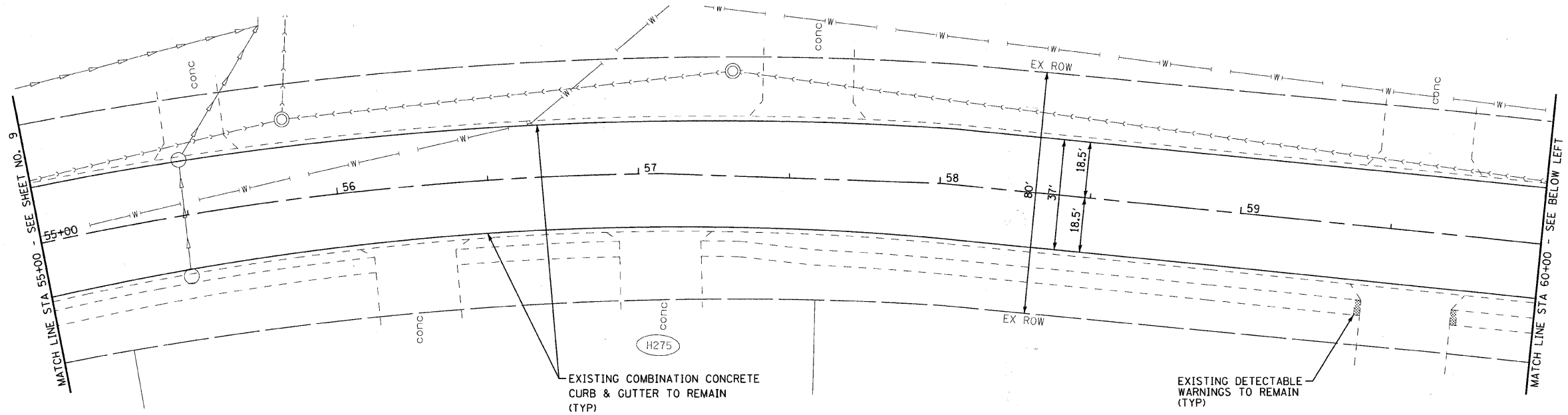
DESIGNED - DSH	REVISED - IDOT REVIEW 08-11-09
DRAWN - KAR	REVISED -
CHECKED - RWL	REVISED -
DATE - 05-15-09	FILE - 081332-plan4.shp

VILLAGE OF SOUTH ELGIN, ILLINOIS
SUNDOWN ROAD ARRA (LAPP)
IMPROVEMENTS

PLAN - SUNDOWN ROAD

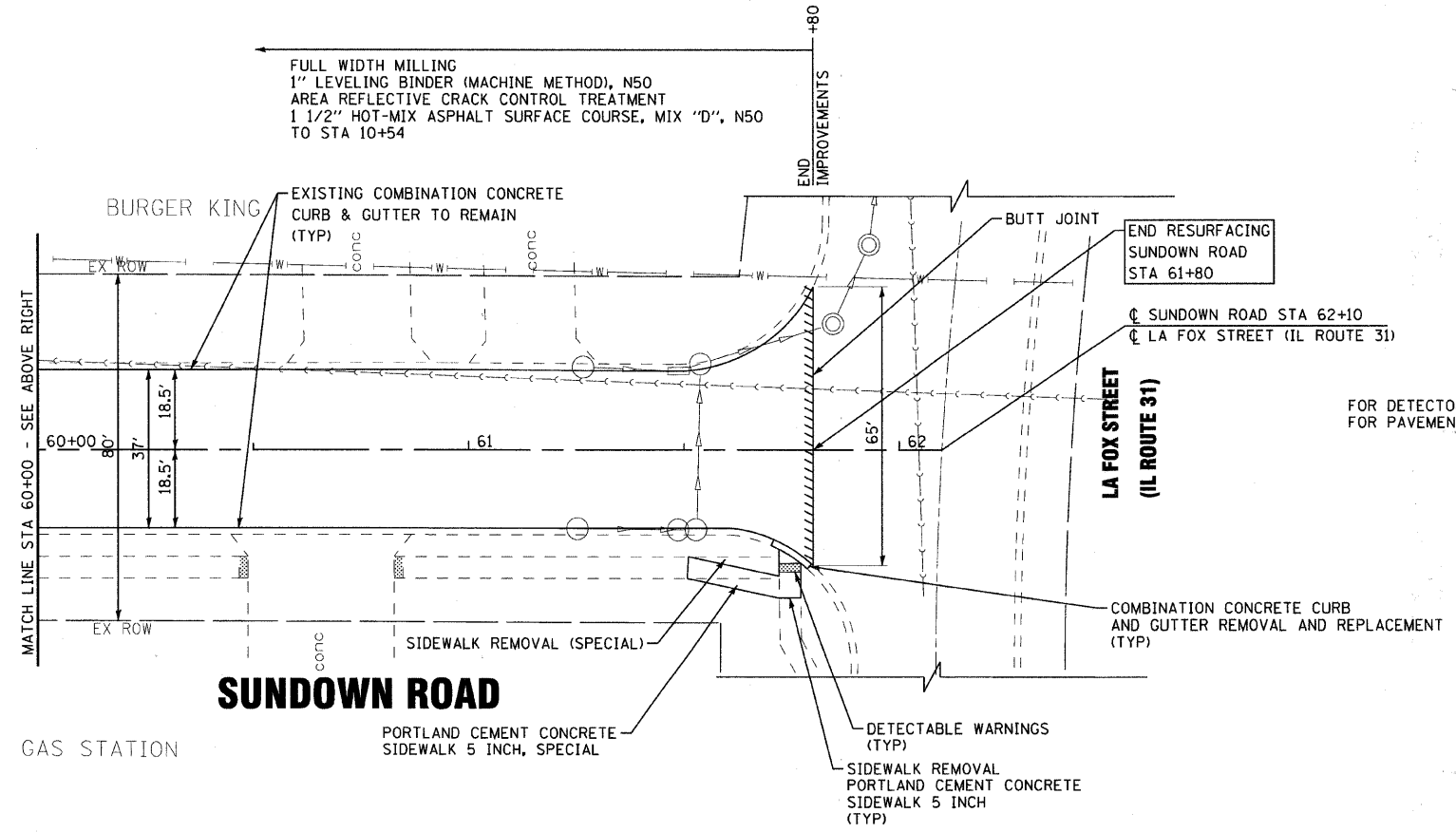
SCALE: 1" = 20' STA. 43+00 TO STA. 55+00

F.A.U. RTE. 1338	SECTION 09-00034-00-RS	COUNTY KANE	TOTAL SHEETS 28	SHEET NO. 9
FED. ROAD DIST. NO. C-91-589-09			CONTRACT NO. 63292	
ILLINOIS FED. AID PROJECT ARA-9003 (306)				



SUNDOWN ROAD

FULL WIDTH MILLING
 1" LEVELING BINDER (MACHINE METHOD), N50
 AREA REFLECTIVE CRACK CONTROL TREATMENT
 1 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50
 TO STA 10+54



SUNDOWN ROAD

FOR DETECTOR LOOP REPLACEMENT SEE SHEET 16
 FOR PAVEMENT MARKINGS SEE SHEET 15

COPYRIGHT © 2009 BY BAXTER & WOODMAN, INC.
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - BR-00121 - EXPIRES 4/30/2011
 5000 E. WOODSTOCK AVENUE, SUITE 200, CHICAGO, IL 60614
 TEL: 773.226.8800 FAX: 773.226.8801



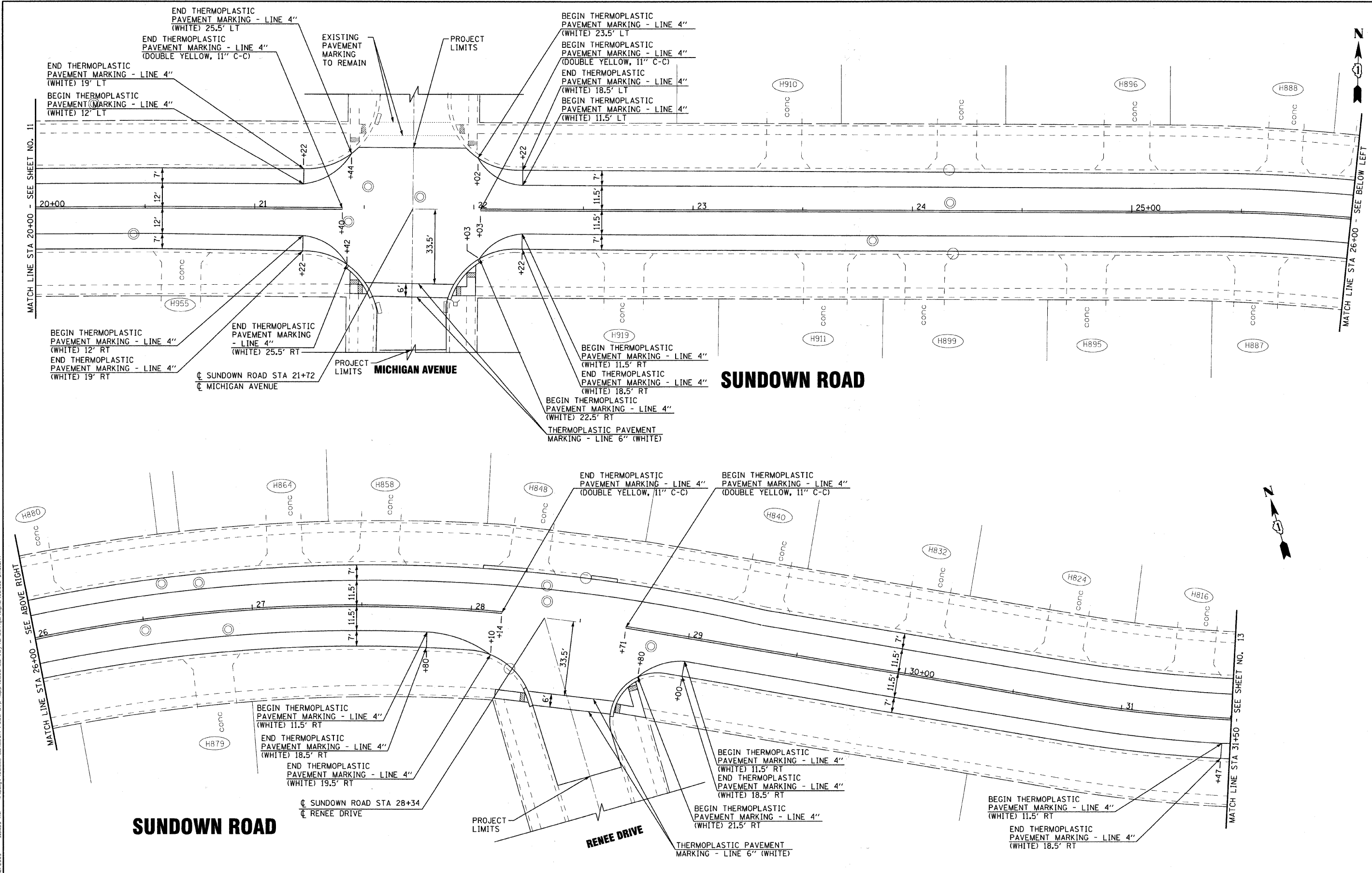
DESIGNED - DSH	REVISED - IDOT REVIEW 08-11-09
DRAWN - KAR	REVISED -
CHECKED - RWL	REVISED -
DATE - 05-15-09	FILE - 081332-plan5.sht

**VILLAGE OF SOUTH ELGIN, ILLINOIS
 SUNDOWN ROAD ARRA (LAPP)
 IMPROVEMENTS**

PLAN - SUNDOWN ROAD

SCALE: 1" = 20'
 STA. 55+00 TO STA. 62+10

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	09-00034-00-RS	KANE	28	10
FED. ROAD DIST. NO. C-91-589-09		CONTRACT NO. 63292		
ILLINOIS FED. AID PROJECT ARA-9003 (306)				



COPYRIGHT © 2009 BY BAXTER & WOODMAN, INC.
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 184-00017 - EXPIRES 4/30/2011
 PROJECT: 081332-sundown Road IMP. 081332-pm2.dwg
 DATE: 8/22/2009 9:50:03 AM



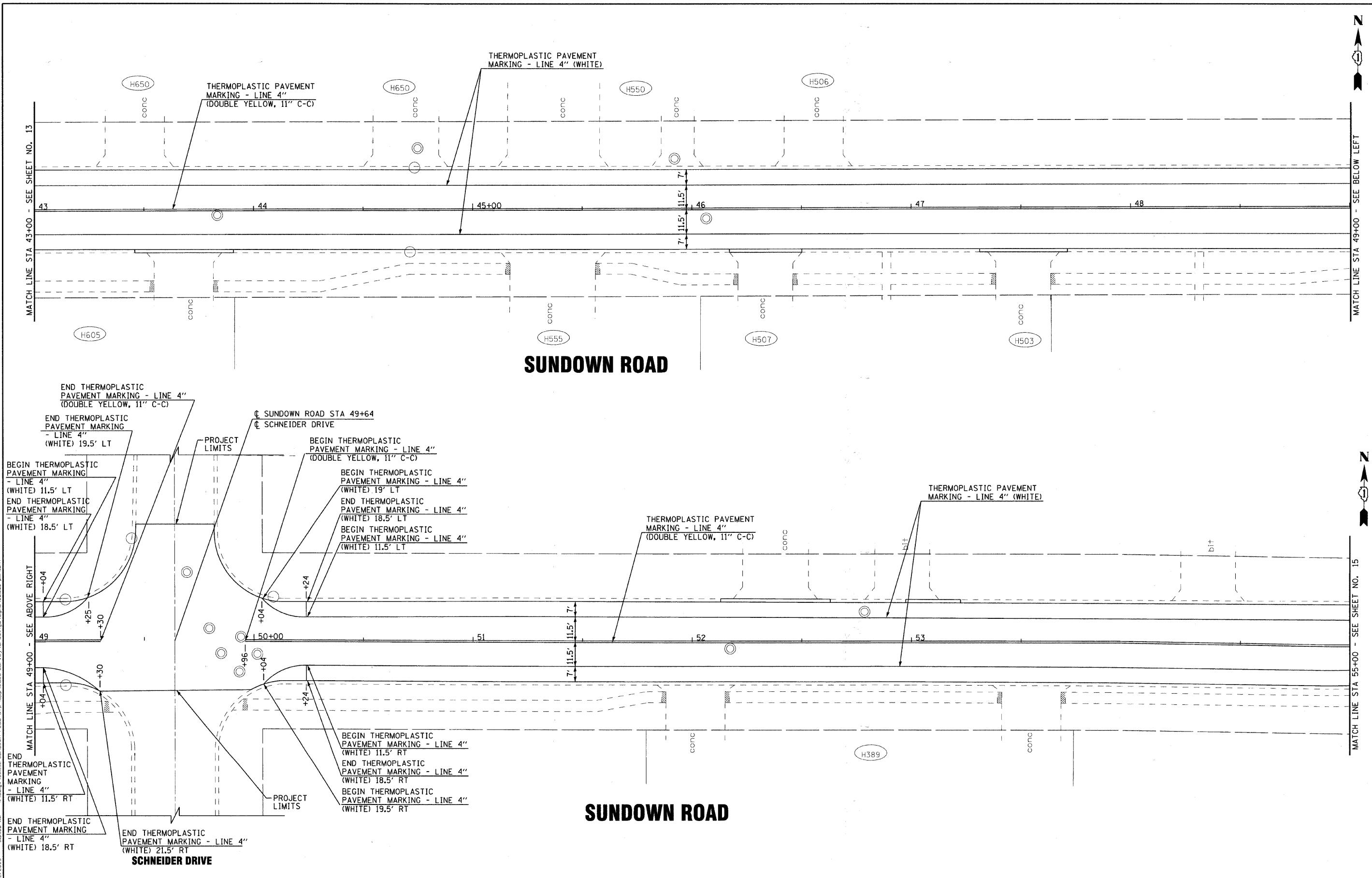
DESIGNED - DSH	REVISED - 1007 REVIEW 08-11-09
DRAWN - KAR	REVISED -
CHECKED - RWL	REVISED -
DATE - 05-15-09	FILE - 081332-pm2.shx

VILLAGE OF SOUTH ELGIN, ILLINOIS
SUNDOWN ROAD ARRA (LAPP)
IMPROVEMENTS

PAVEMENT MARKING - SUNDOWN ROAD

SCALE: 1" = 20'
 STA. 20+00 TO STA. 31+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	09-00034-00-RS	KANE	28	12
FED. ROAD DIST. NO. C-91-589-09			CONTRACT NO. 63292	
ILLINOIS FED. AID PROJECT ARA-9003 (306)				



COPYRIGHT © 2009 BY BAXTER & WOODMAN, INC.
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - BR4-00121 - EXPIRES 4/30/2011
 9/22/2009 9:30:08 AM
 ...:\cadd\surveys\p1015\081332.tbl
 ...:\cadd\p1015\081332\surround\road.dwg
 ...:\cadd\p1015\081332\surround\road.dwg



DESIGNED - DSH	REVISED - IDOT REVIEW 08-11-09
DRAWN - KAR	REVISED -
CHECKED - RWL	REVISED -
DATE - 05-15-09	FILE - 081332-pm4.sh1

VILLAGE OF SOUTH ELGIN, ILLINOIS
SUNDOWN ROAD ARRA (LAPP)
IMPROVEMENTS

PAVEMENT MARKING - SUNDOWN ROAD

SCALE: 1" = 20' STA. 43+00 TO STA. 55+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
133B	09-00034-00-RS	KANE	28	14
FED. ROAD DIST. NO. C-91-589-09		CONTRACT NO. 63292		
ILLINOIS FED. AID PROJECT ARA-9003 (306)				

COPYRIGHT © 2009 BY BAXTER & WOODMAN, INC.
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 184-00027 - EXPIRES 4/30/2011
 PROJECT: 081332-ARRA - SUNDOWN ROAD IMPROVEMENTS
 FILE: 081332-ARRA-PM5.SHT



DESIGNED - DSH	REVISED - IDOT REVIEW 08-11-09
DRAWN - KAR	REVISED -
CHECKED - RWL	REVISED -
DATE - 05-15-09	FILE - 081332-pm5.sht

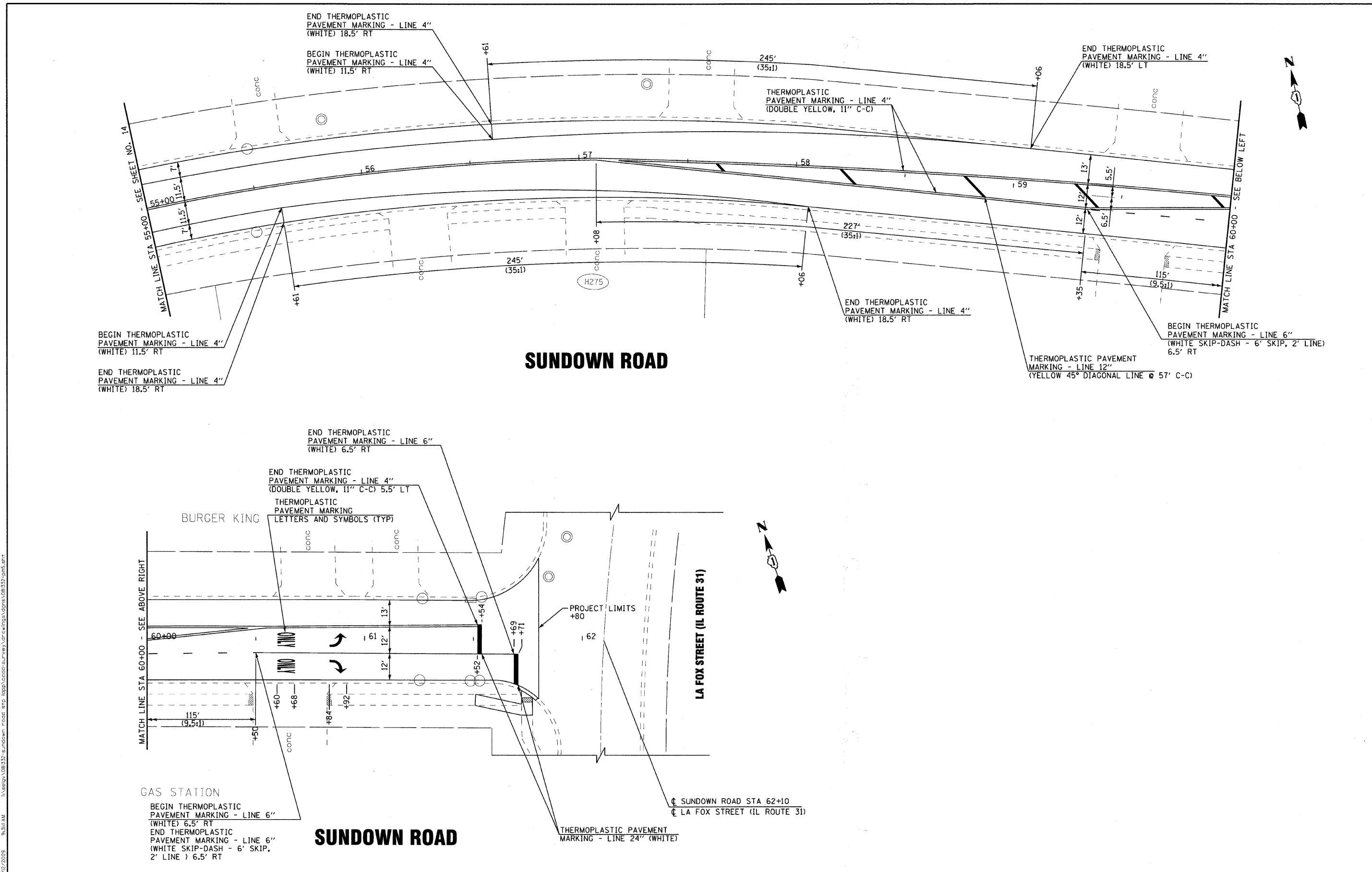
VILLAGE OF SOUTH ELGIN, ILLINOIS
SUNDOWN ROAD ARRA (LAPP)
IMPROVEMENTS

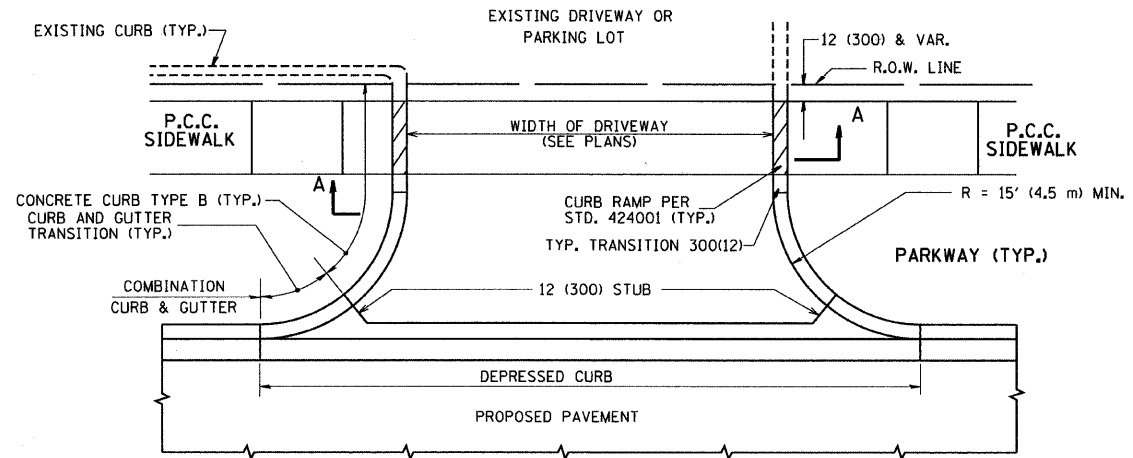
PAVEMENT MARKING - SUNDOWN ROAD

SCALE: 1" = 20'

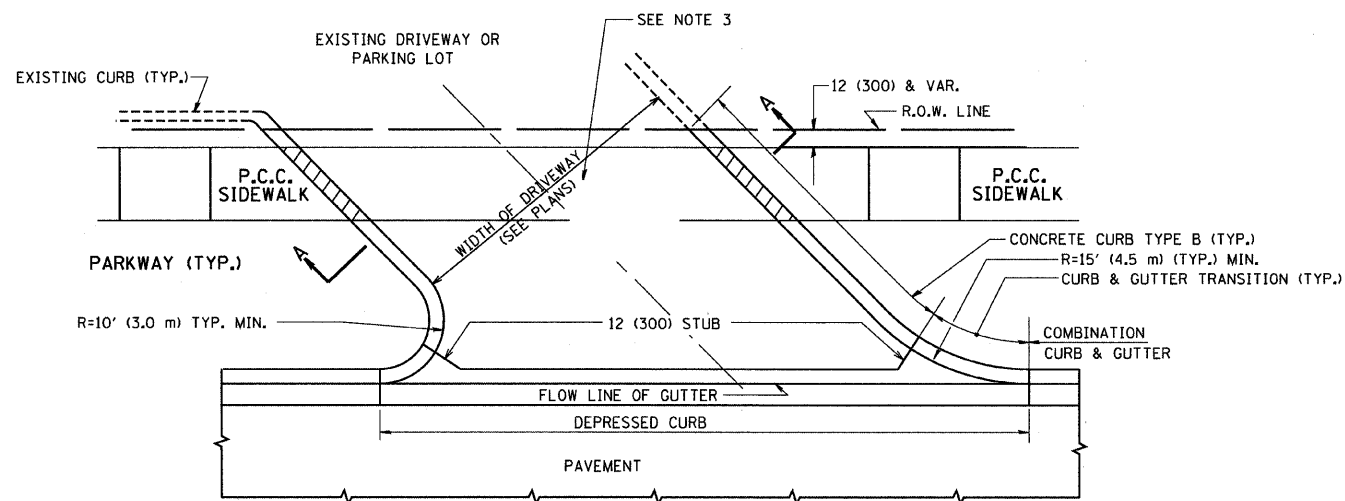
STA. 55+00 TO STA. 62+10

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	09-00034-00-RS	KANE	28	15
FED. ROAD DIST. NO. C-91-589-09			CONTRACT NO. 63292	
ILLINOIS FED. AID PROJECT ARA-9003 (306)				

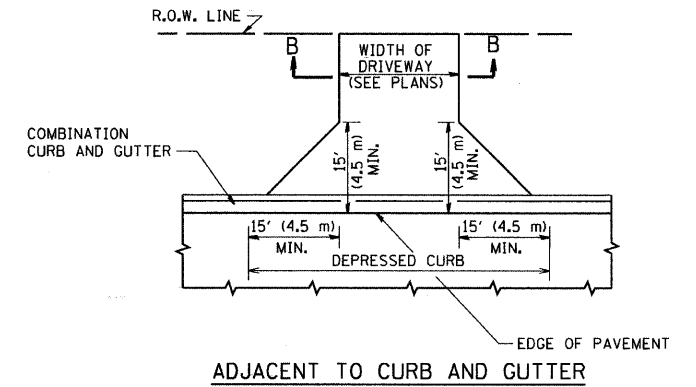
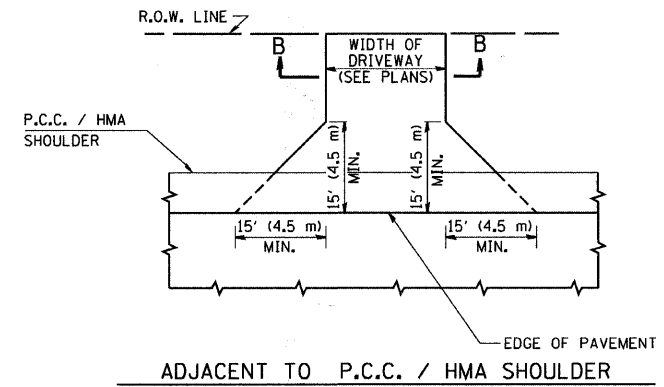
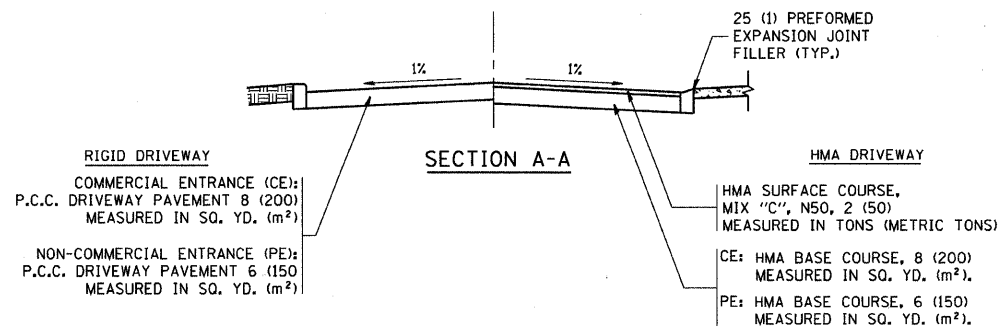




WITH CONCRETE CURB, TYPE B



WITH CONCRETE CURB, TYPE B



GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

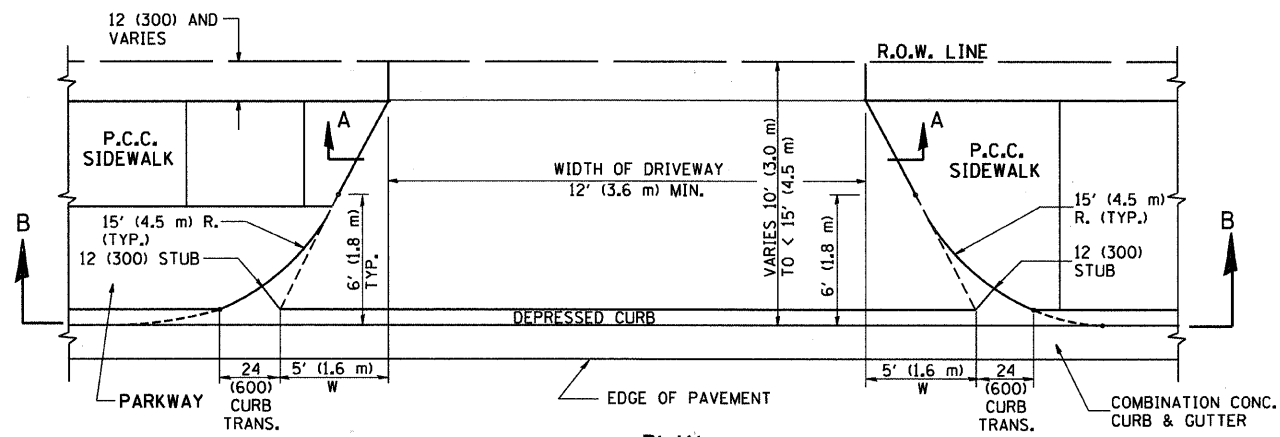
WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

FILE NAME = c:\projects\diststd22x34\bd01.dgn	USER NAME = bauer-dl	DESIGNED - R. SHAH	REVISED - M. GOMEZ 04-06-01
		DRAWN -	REVISED - P. LOFLUER 04-15-03
	PLOT SCALE = 49.9999 1/16 IN.	CHECKED -	REVISED - R. BORO 01-01-07
	PLOT DATE = 6/12/2008	DATE - 11-04-95	REVISED - R. BORO 06-11-08

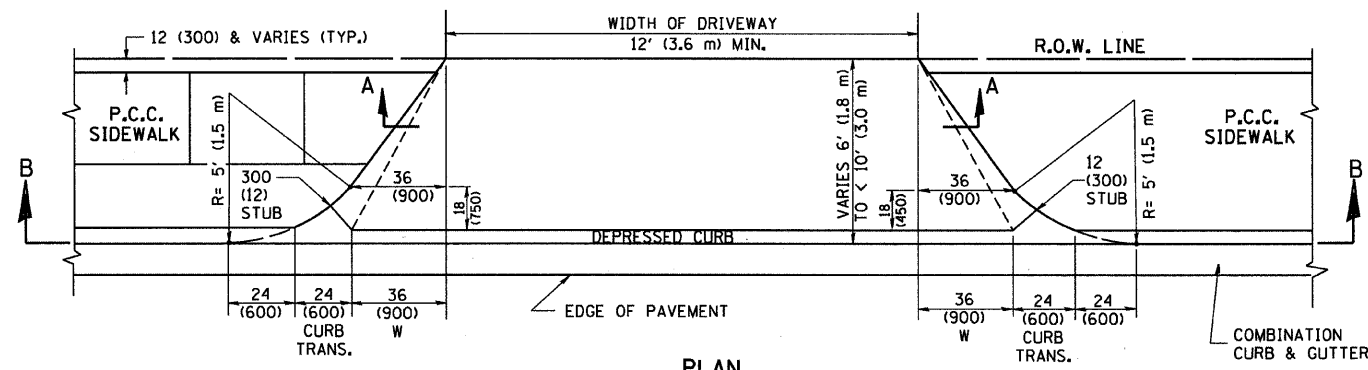
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

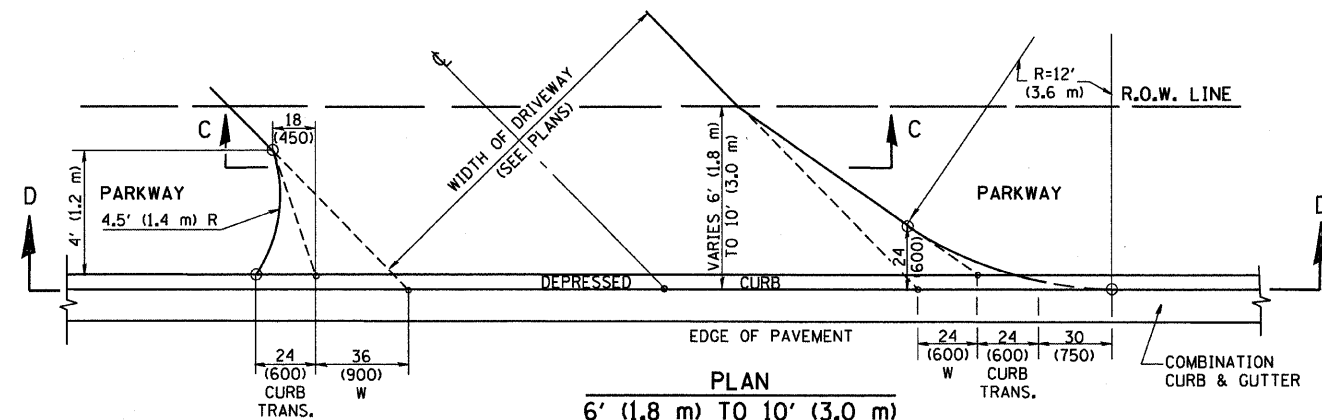
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	09-00034-00-RS	KANE	26	17
BD0156-07 (BD-01)			CONTRACT NO. 63292	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-9003 (306)				



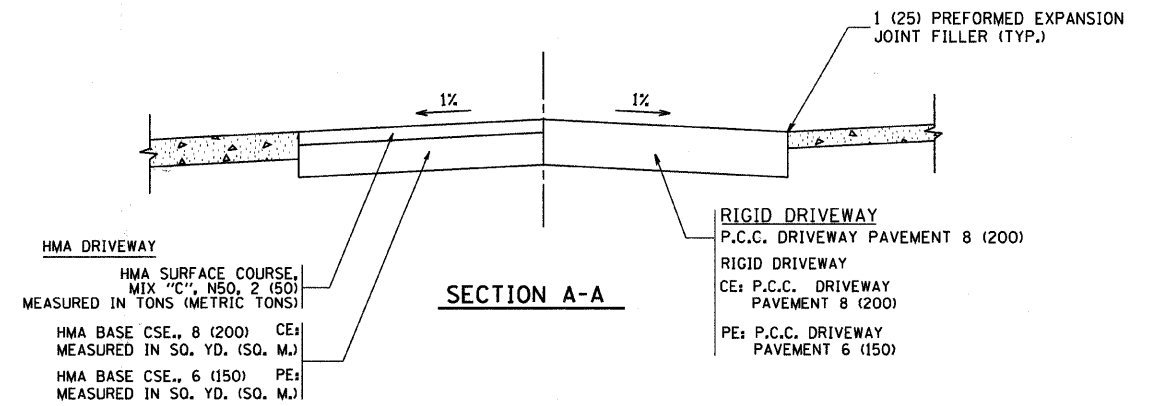
PLAN
10' (3.0 m) TO < 15' (4.5 m)



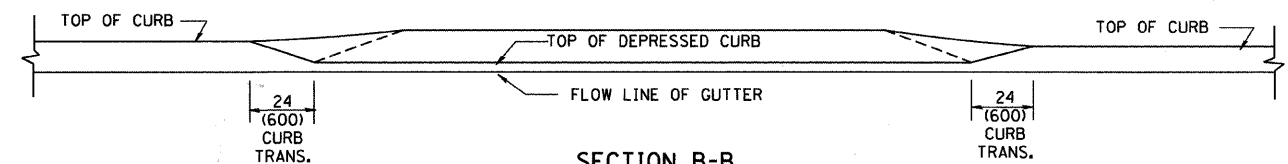
PLAN
6' (1.8 m) TO < 10' (3.0 m)



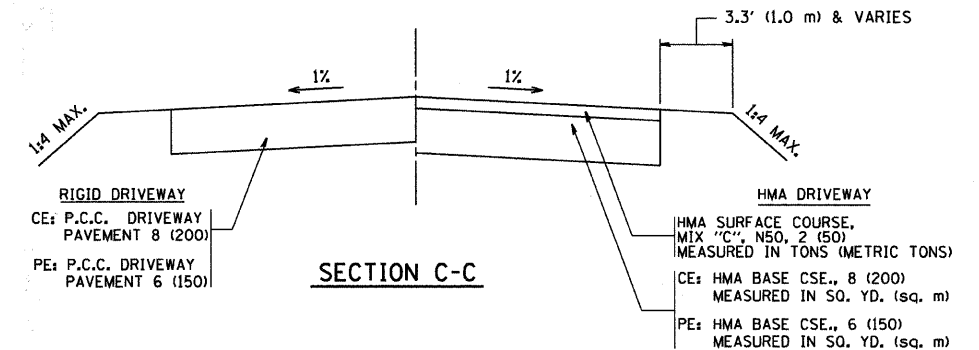
PLAN
6' (1.8 m) TO 10' (3.0 m)



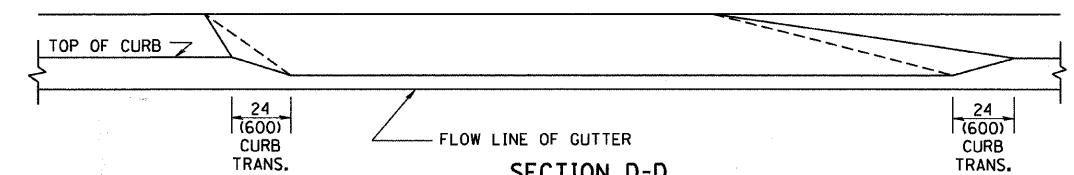
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

THE 1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

FILE NAME =
W:\diststd\22x34\bd02.dgn

USER NAME = geglionob
PLOT SCALE = 50.0000" / IN.
PLOT DATE = 1/4/2008

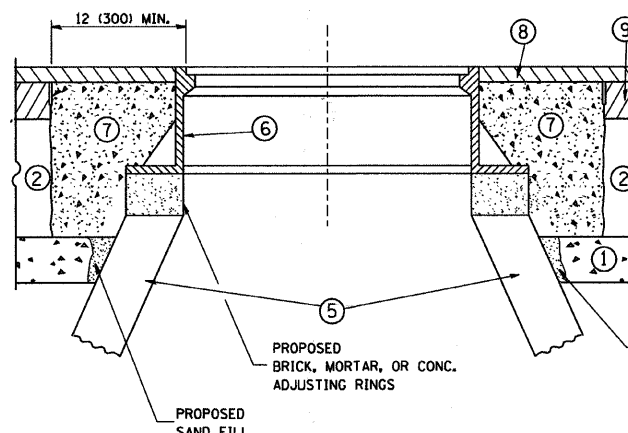
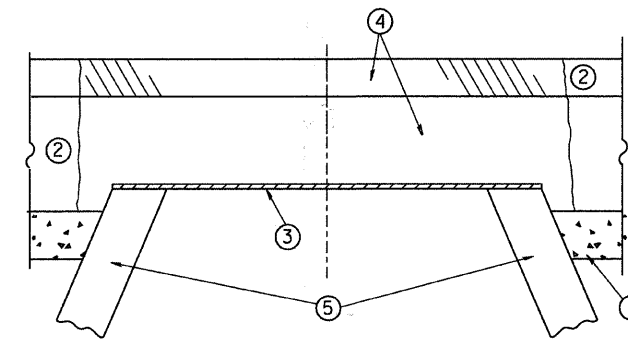
DESIGNED - R. SHAH
DRAWN -
CHECKED -
DATE - 11-06-95

REVISED - T. HOLTZ 04-08-97
REVISED - M. GOMEZ 04-06-01
REVISED - P. LOFLEUR 04-15-03
REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS	
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	09-00034-00-RS	KANE	28	18
BD400-02 (BD-02)			CONTRACT NO. 63292	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-9003 (306)				
C-91-589-09				



CONSTRUCTION PROCEDURES

- STAGE 1 (BEFORE PAVEMENT MILLING)**
- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
 - B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
 - C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
 - D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.
- STAGE 2 (AFTER PAVEMENT MILLING)**
- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
 - B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
 - C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS S1 CONCRETE, OR HMA SURFACE COURSE OR HMA BINDER COURSE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS.

LEGEND

- ① SUB-BASE GRANULAR MATERIAL
- ⑥ FRAME AND LID (SEE NOTES)
- ② EXISTING PAVEMENT
- ⑦ CLASS S1 CONCRETE, HMA SURFACE COURSE OR HMA BINDER COURSE
- ③ 36 (900) DIAMETER METAL PLATE
- ⑧ PROPOSED HMA SURFACE COURSE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑨ PROPOSED HMA BINDER COURSE
- ⑤ EXISTING STRUCTURE

NOTES:

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

LOCATION OF STRUCTURES:

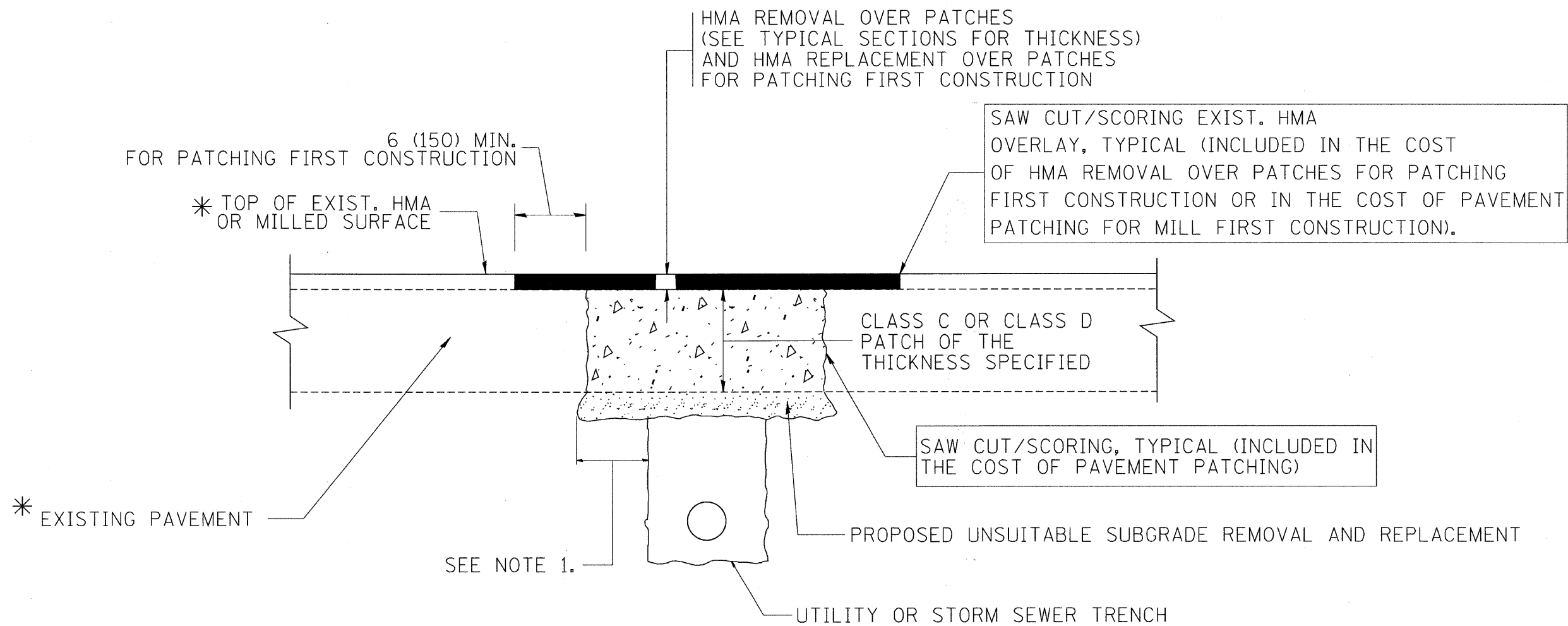
THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT: THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "FRAMES AND LIDS TO BE ADJUSTED, SPECIAL" NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME = W:\dststd\22x34\bd88.dgn	USER NAME = goglionob	DESIGNED - R. SHAH	REVISED - R. SHAH 03-10-95	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING		F.A.U. RTE. 1338	SECTION 09-00034-00-RS	COUNTY KANE	TOTAL SHEETS 28	SHEET NO. 19	
		DRAWN -	REVISED - A. ABBAS 03-21-97		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	BD600-03 (BD-8)		CONTRACT NO. 63292	
		CHECKED -	REVISED - R. WIEDEMAN 05-14-04		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-9003 (306)							
		DATE - 10-25-94	REVISED - R. BORO 01-01-07		C-91-589-09							



* 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)

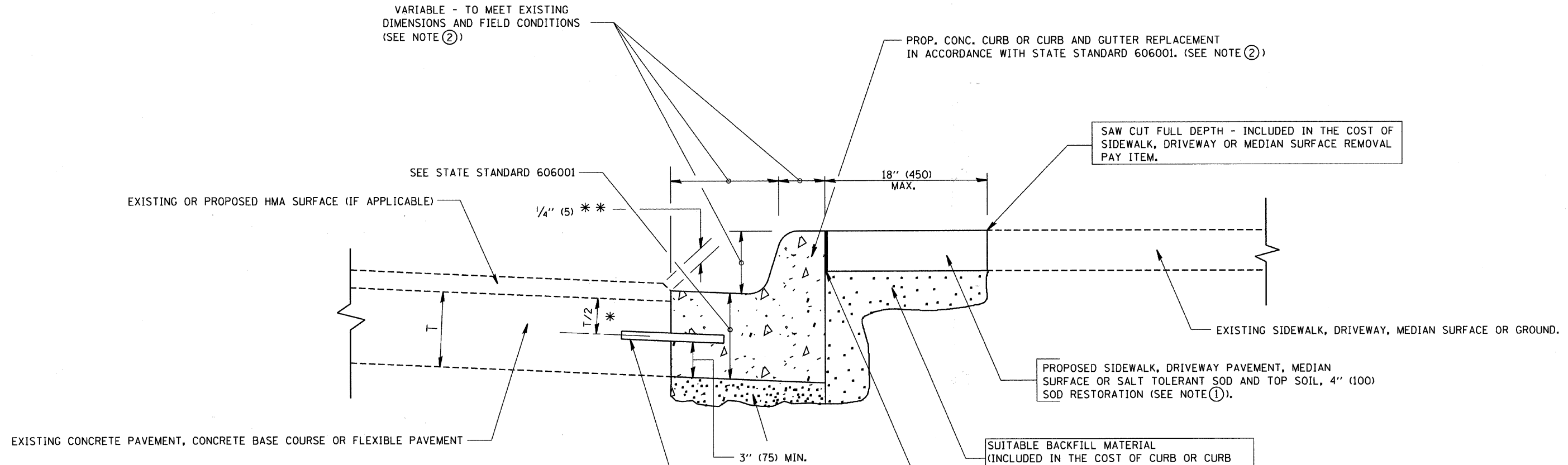
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

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.

FILE NAME = c:\projects\diststd22x34\bd22.dgn	USER NAME = bouardl	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT		F.A.U. RTE. 1338	SECTION 09-00034-00-RS	COUNTY KANE	TOTAL SHEETS 28	SHEET NO. 20
	PLOT SCALE = 50.000' = 1" IN.	DRAWN -	REVISED - R. BORO 01-01-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	BD400-04 (BD-22)		CONTRACT NO. 63292
	PLOT DATE = 10/27/2008	CHECKED -	REVISED - R. BORO 09-04-07						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-9003 (306)		
		DATE - 10-25-94	REVISED - K. ENG 10-27-08								



- * 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- ** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

SALT TOLERANT SOD AND TOP SOIL, 4" (100) RESTORATION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

② CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

③ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

④ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑤ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑥ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

⑦ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

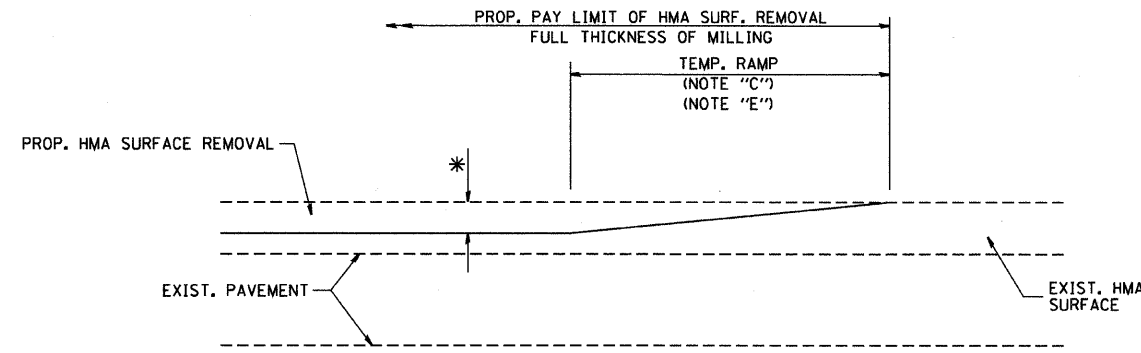
BASIS OF PAYMENT:

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

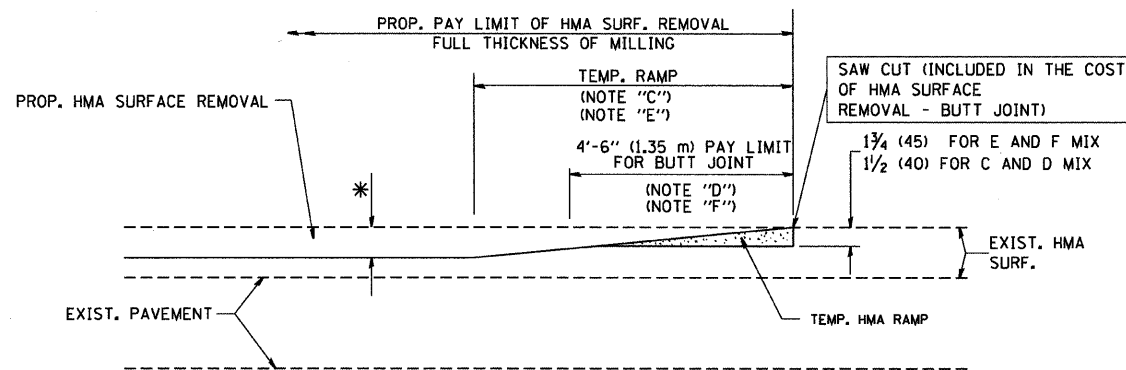
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\statesd\22x34\bd24.dgn	USER NAME = geglionobt	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT		F.A.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - A. ABBAS 03-21-97		1338	09-00034-00-RS	KANE	28	21		
PLOT DATE = 1/4/2008	DATE - 03-11-94	REVISED - M. GOMEZ 01-22-01	REVISED - R. BORO 01-01-07	SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	BD600-06 (BD-24)		CONTRACT NO. 63292		
							FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-9003 (306)				



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

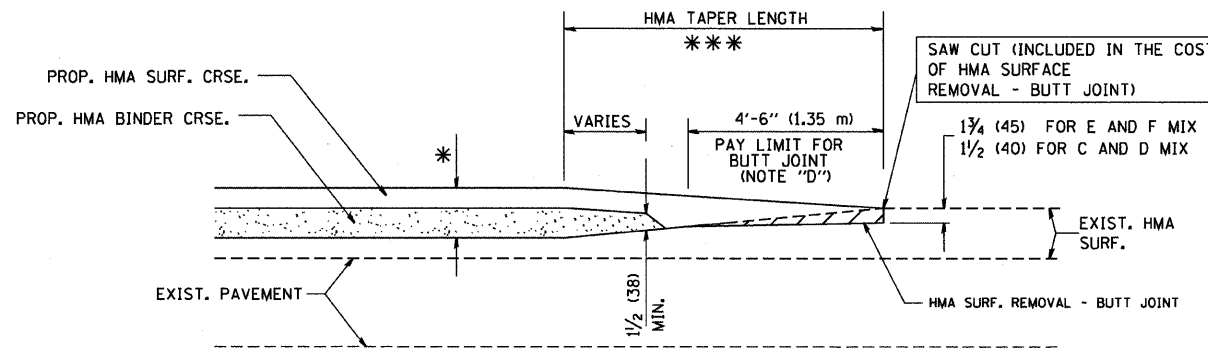
OPTION 1



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

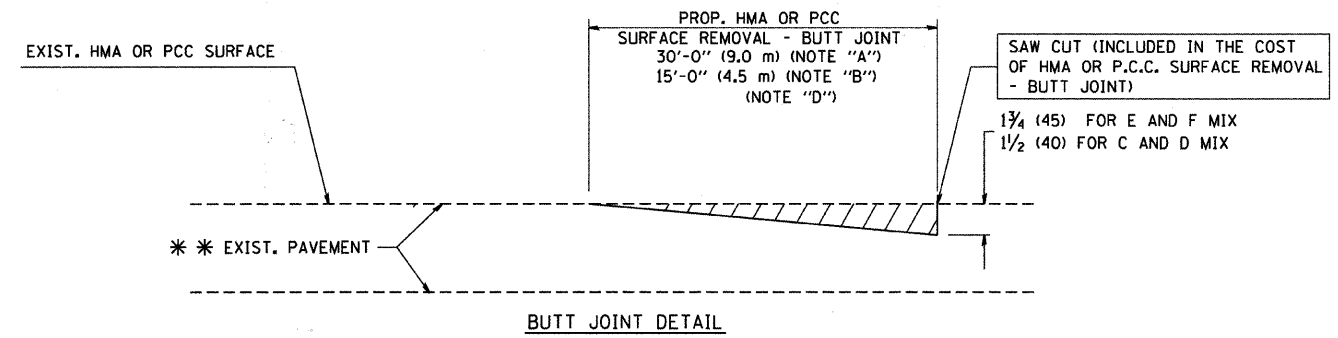
OPTION 2

TYPICAL TEMPORARY RAMP

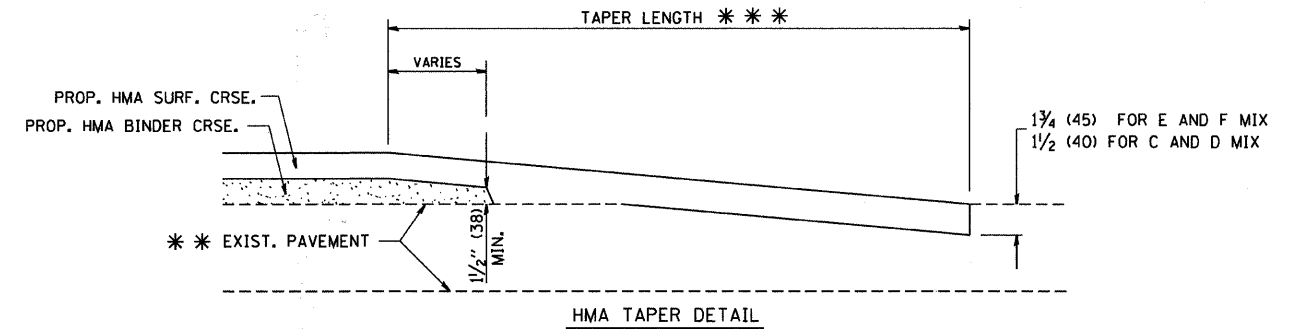


BUTT JOINT AND HMA TAPER

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".

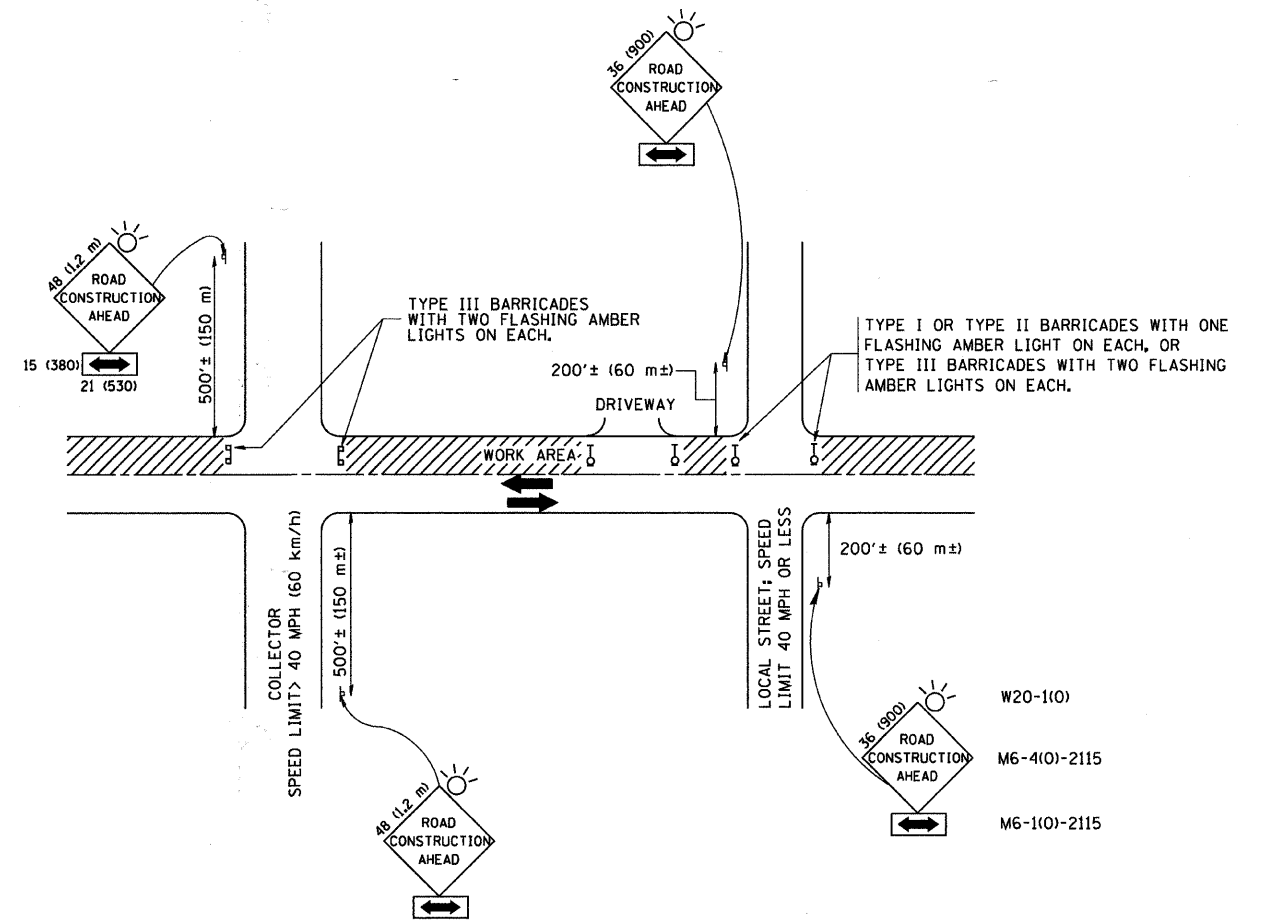
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\data\22x34\bd32.dgn	USER NAME = gegl1enobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/4/2008	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.U. RTE. 1338	SECTION 09-00034-00-RS	COUNTY KANE	TOTAL SHEETS 28	SHEET NO. 22
BD400-05 BD32			CONTRACT NO. 63292	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-9003 (306)				



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. 70150L, 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.

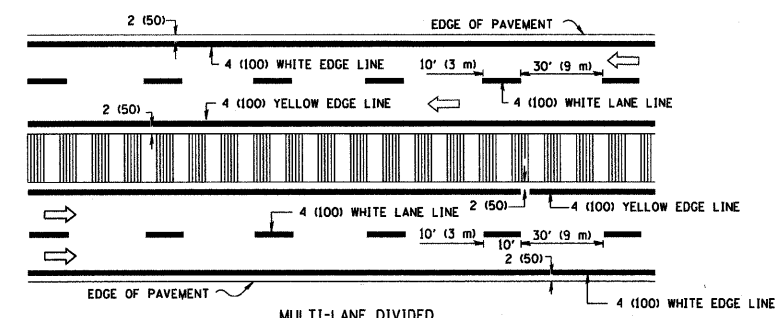
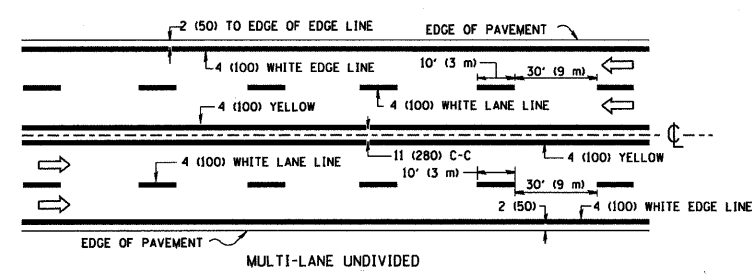
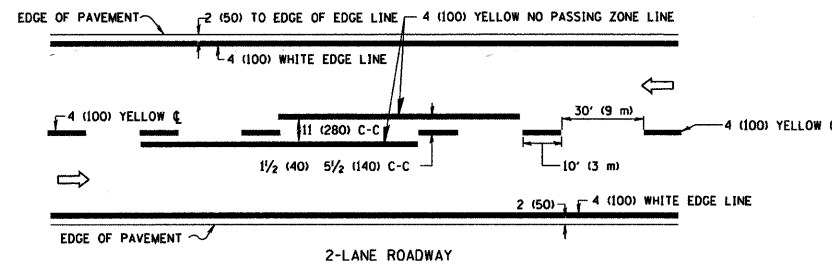
All dimensions are in millimeters (inches) unless otherwise shown.

FILE NAME = W:\diststd\22x34\to18.dgn	USER NAME = goglionob	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 50,000 / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/4/2000	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

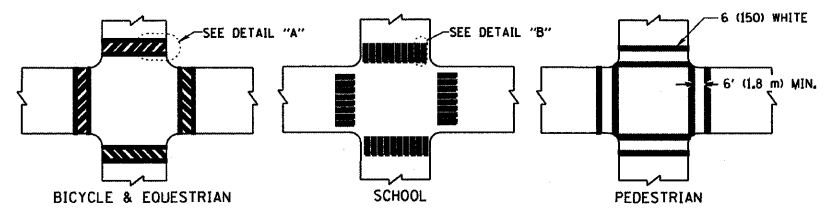
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.U. RTE. 1338	SECTION 09-00034-00-RS	COUNTY KANE	TOTAL SHEETS 28	SHEET NO. 23
TC-10			CONTRACT NO. 63292	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-9003 (306)				

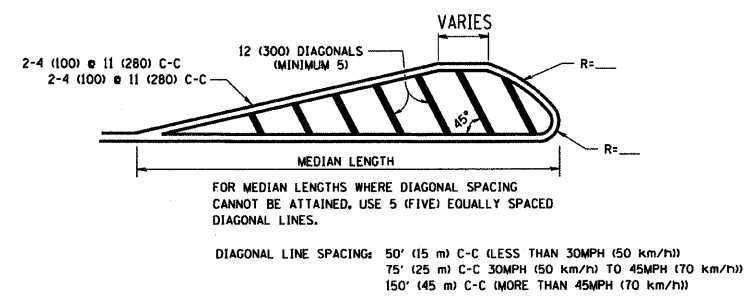
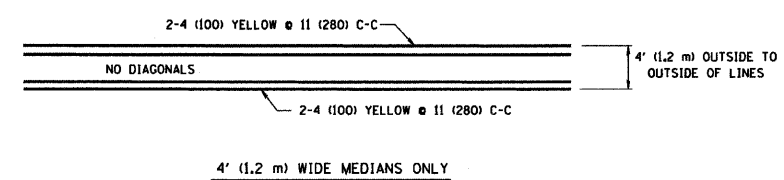


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

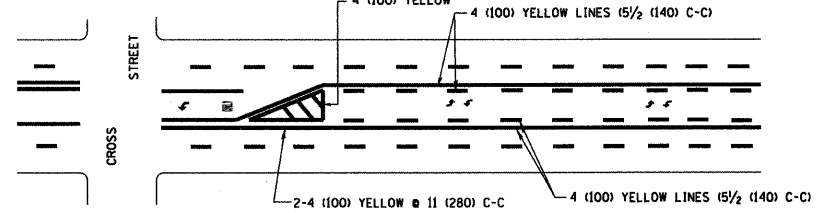
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING



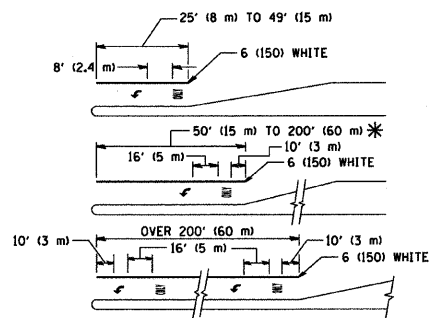
MEDIANS OVER 4' (1.2 m) WIDE



A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.

MEDIAN WITH TWO-WAY LEFT TURN LANE

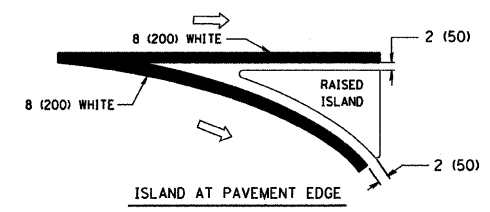
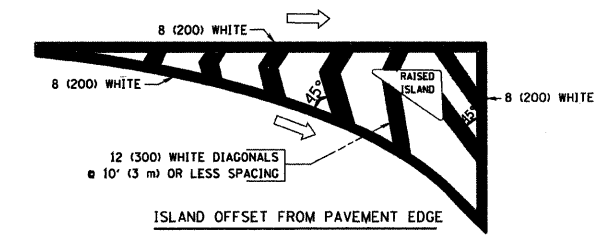
TYPICAL PAINTED MEDIAN MARKING



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
 * 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	5/2 (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; 5/2 (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 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.
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' (4.8 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.

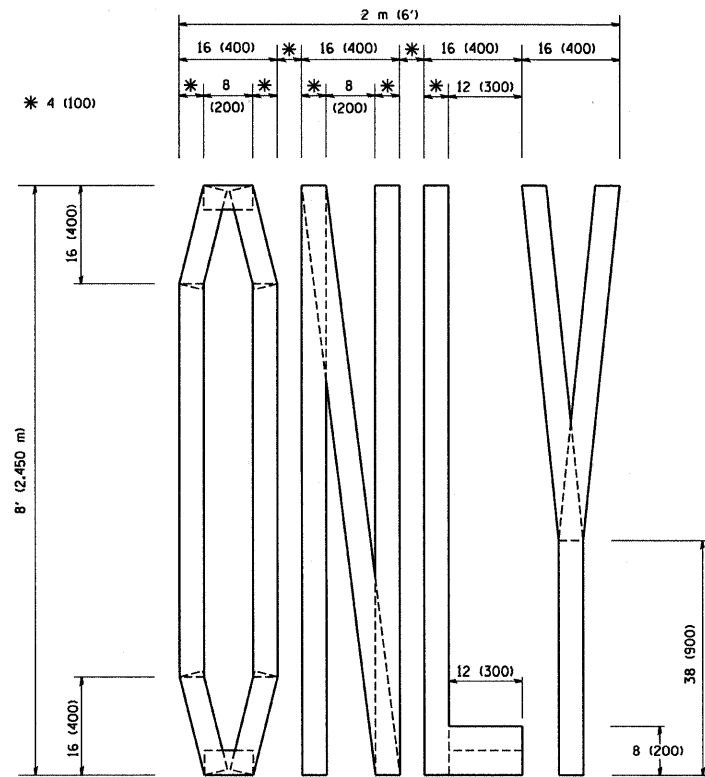
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME = W:\dststd\22x34\vol13.dgn	USER NAME = geglienobt	DESIGNED - EVERS	REVISED -T. RAMMACHER 10-27-94
		DRAWN -	REVISED -A. HOUSEH 10-09-96
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED -A. HOUSEH 10-17-96
	PLOT DATE = 1/4/2008	DATE - 03-19-90	REVISED -T. RAMMACHER 01-06-00

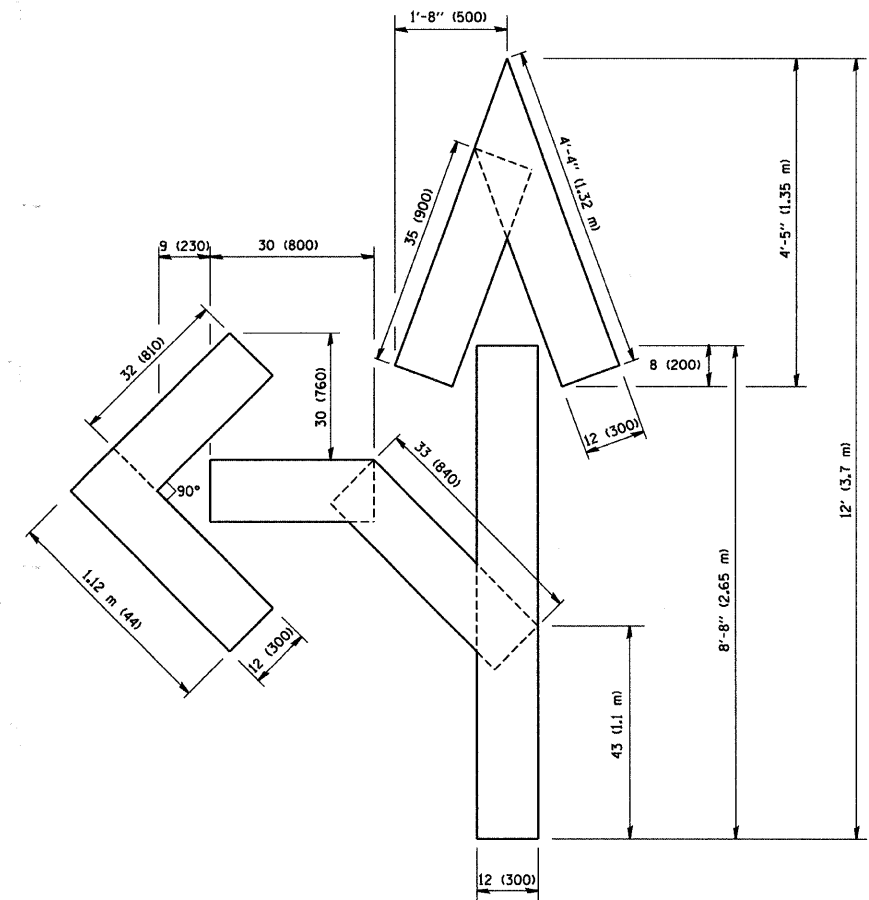
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

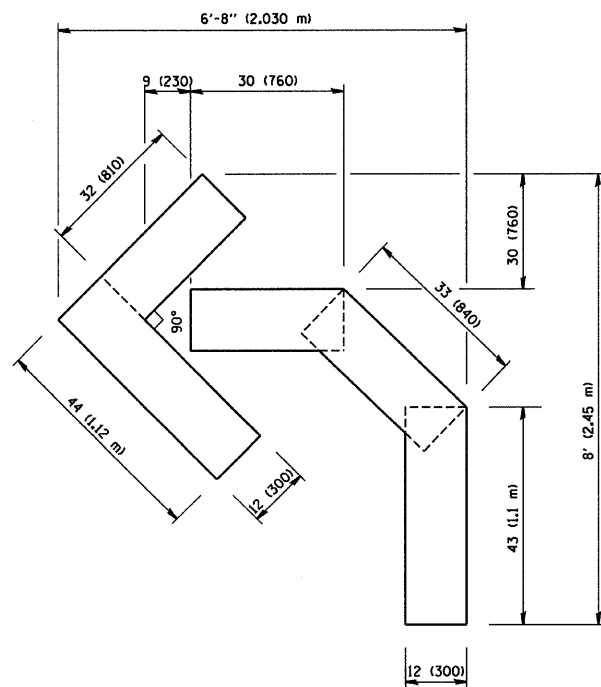
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	09-00034-00-RS	KANE	28	24
TC-13			CONTRACT NO. 63292	
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT ARA-9003 (306)				



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.

FILE NAME = W:\dststd\22x34\tbl6.dgn	USER NAME = geglionob	DESIGNED -	REVISED -T. RAMMACHER 06-05-96
		DRAWN -	REVISED -T. RAMMACHER 11-04-97
	PLOT SCALE = 50,0000 / IN.	CHECKED -	REVISED -T. RAMMACHER 03-02-98
	PLOT DATE = 1/4/2000	DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

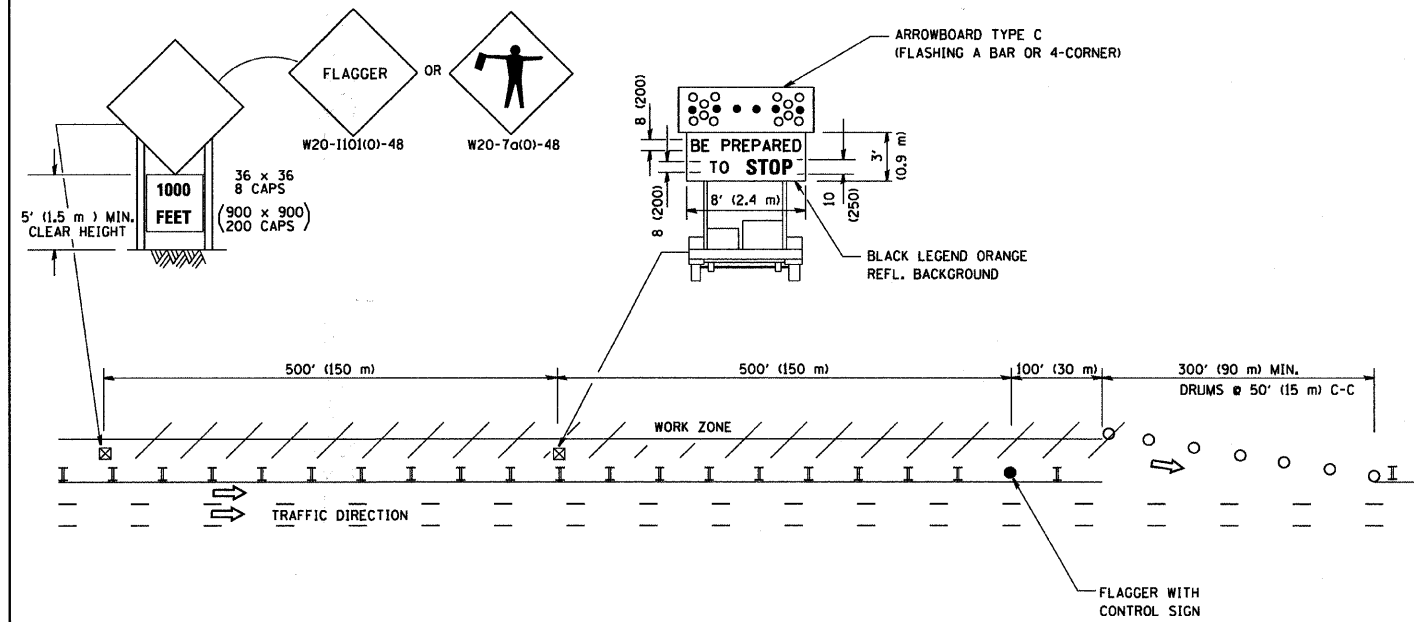
PAVEMENT MARKING LETTERS AND SYMBOLS
FOR TRAFFIC STAGING

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

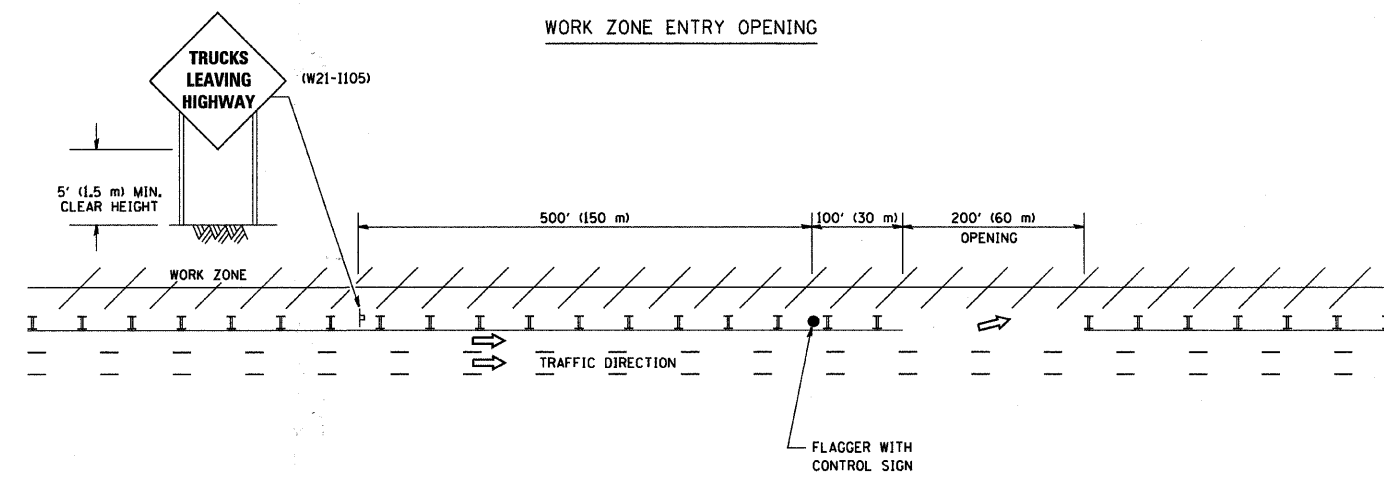
F.A.U. RTE. 1338	SECTION 09-00034-00-RS	COUNTY KANE	TOTAL SHEETS 28	SHEET NO. 25
TC-16			CONTRACT NO. 63292	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-9003 (306)				

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING



NOTES:

1. The Arrowboard, the Flagger Ahead trailer mounted sign, and the Trucks Leaving Highway sign shall be removed or turned away from traffic and the exit and entry openings shall be closed when the flagging operation ceases.
2. Work Zone Exit Openings should be a minimum of one half mile apart.
3. Exiting the work zone at any place other than at a Work Zone Exit Opening will be prohibited.
4. All vehicles shall enter the work zone at entry openings, using their turn signals to warn motorists

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

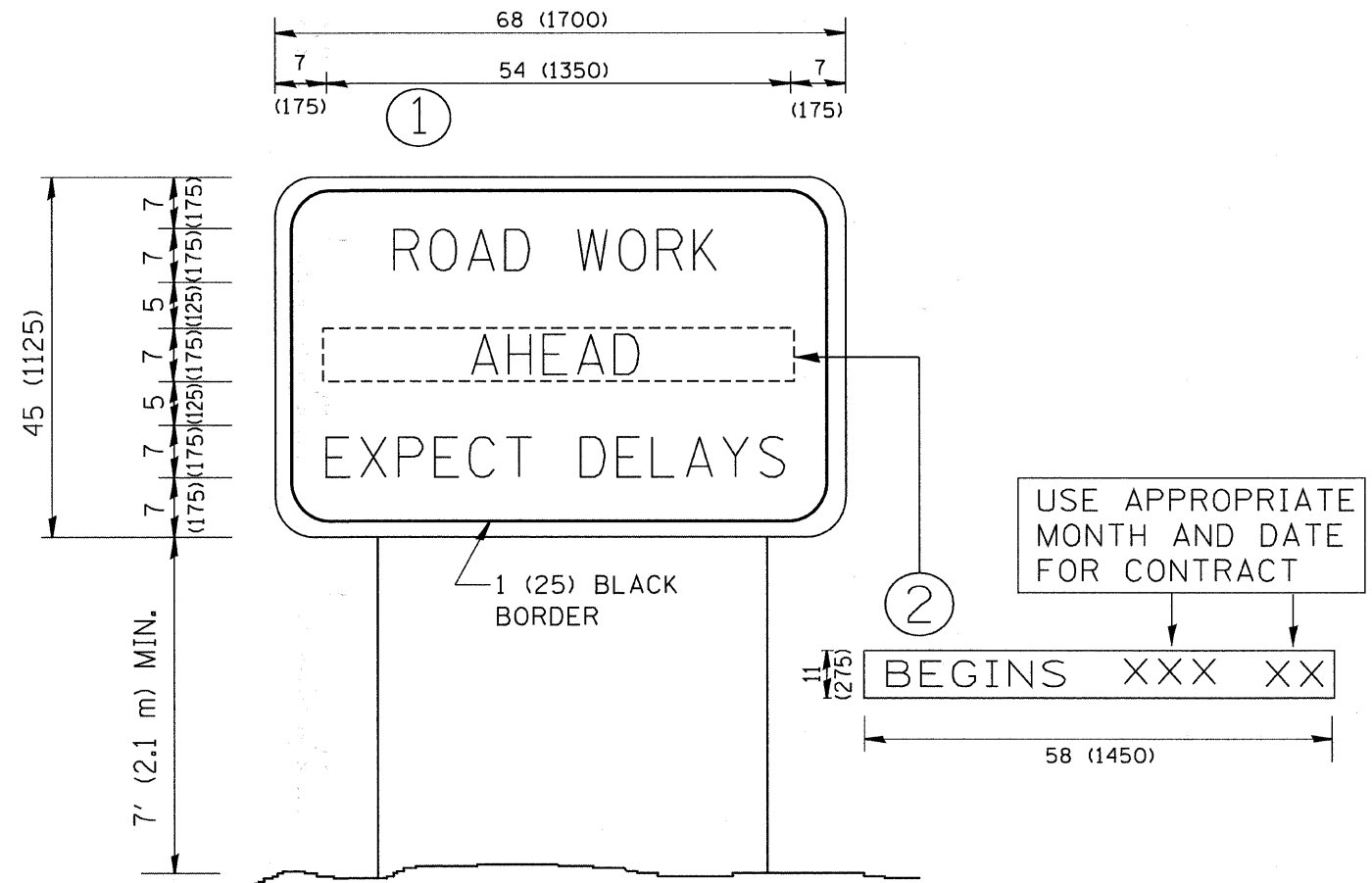
FILE NAME = W:\dststd\22x34\td18.dgn	USER NAME = geglionbt	DESIGNED -	REVISED - D.W.S. 08-98
		DRAWN -	REVISED - J.A.F. 04-03
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - J.A.F. 02-06
	PLOT DATE = 1/4/2006	DATE -	REVISED - S.P.B. 01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING FOR FLAGGING OPERATIONS
AT WORK ZONE OPENINGS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	09-00034-00-RS	KANE	28	26
TC-18			CONTRACT NO. 93292	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-9003 (306)				



NOTES:

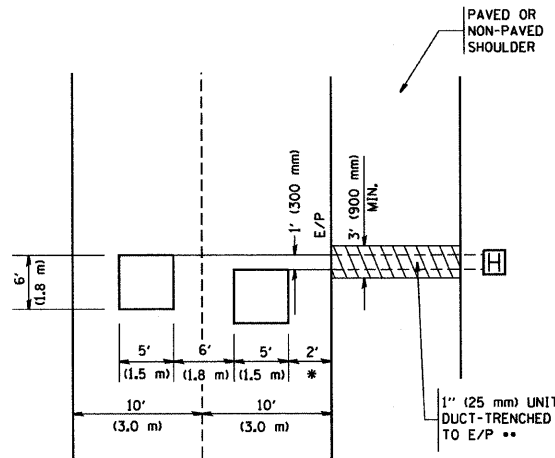
1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
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.

FILE NAME = W:\diststd\22x34\to22.dgn	USER NAME = geglionobt	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN			F.A.O. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99		1338	09-00034-00-RS	KANE	28	27			
PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07		SCALE: NONE	SHEET NO. 1	OF 1	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-9003 (306) CONTRACT NO. 63292		

LOOPS NEXT TO SHOULDERS

PROVIDE A PAVEMENT REPLACEMENT
NOTE WHICH SHOULD EQUAL
3' (900 mm) X WIDTH OF
PAVED SHOULDER.



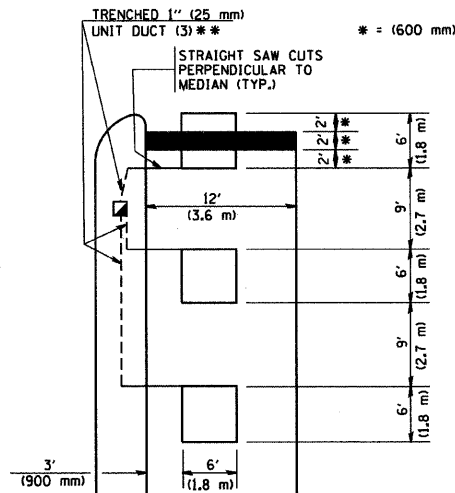
* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS
BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

**LEFT TURN LANES WITH MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH**

(PROTECTED / PERMITTED LEFT TURN PHASING)

HANDHOLE LOCATION MAY
VARY DEPENDING ON GEOMETRICS
AND DESIGN OF TRAFFIC SIGNALS.
HEAVY-DUTY HANDHOLES TO BE
USED WHEN THE MEDIAN IS
MOUNTABLE. REFER TO STANDARD
S14001 TO ENSURE THAT HANDHOLE
FITS IN MEDIAN.



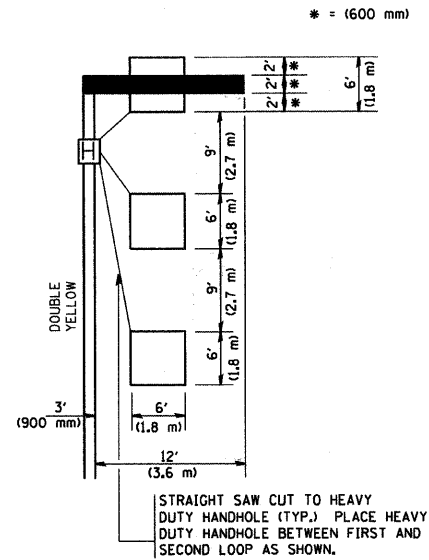
* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS
BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO
PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH**

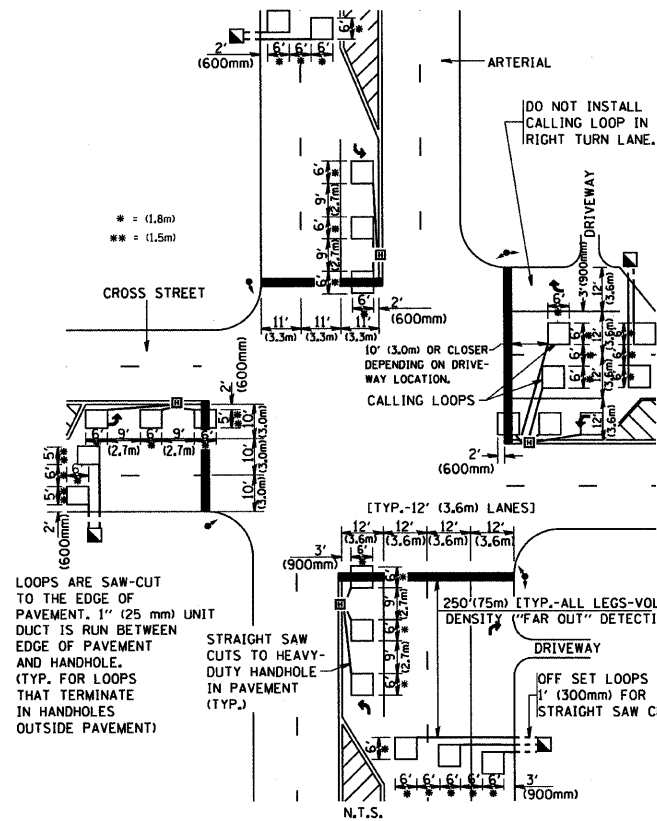
(PROTECTED / PERMITTED LEFT TURN PHASING)



* = (600 mm)

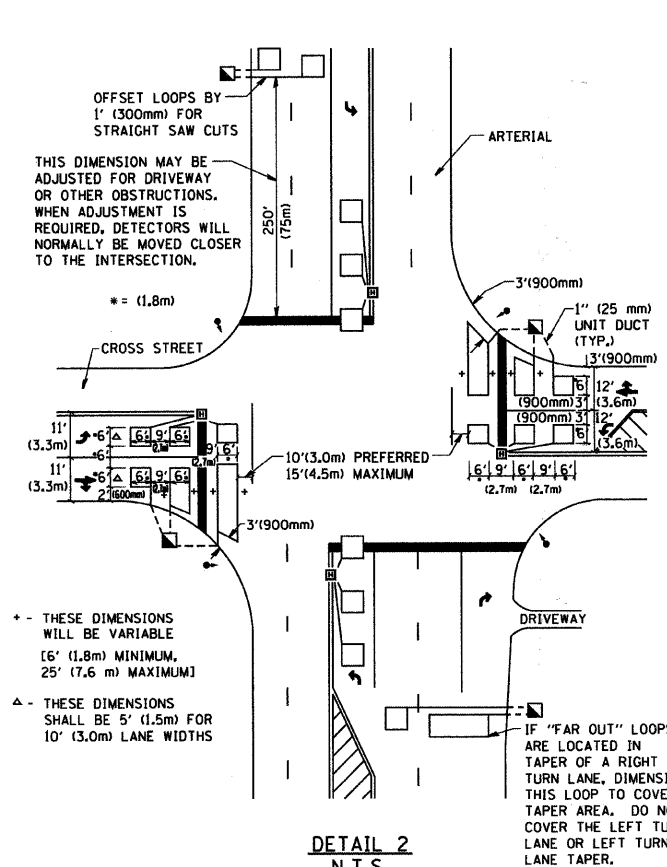
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO
PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)**



DETAIL 1
N.T.S.

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)**



DETAIL 2
N.T.S.

NOTES:

VEHICLES LOOP DETECTORS

- * ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATELY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- * ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- * EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- * WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- * WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DIMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

FILE NAME = W:\dststd\22x34\ta07.dgn	USER NAME = geglionobt	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING				F.A.O. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -		1338	09-00034-00-RS	KANE	28	28				
		CHECKED - R.K.F.	REVISED -		TS-07				CONTRACT NO. 63292				
		DATE -	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-9003 (306)								
				SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.						