

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3736	06-00086-00-RS	COOK	13	1
STA.	TO STA.			
FED. ROAD DIST. NO. 1 C-91-128-06	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83910



INDICATES LOCATION OF IMPROVEMENT

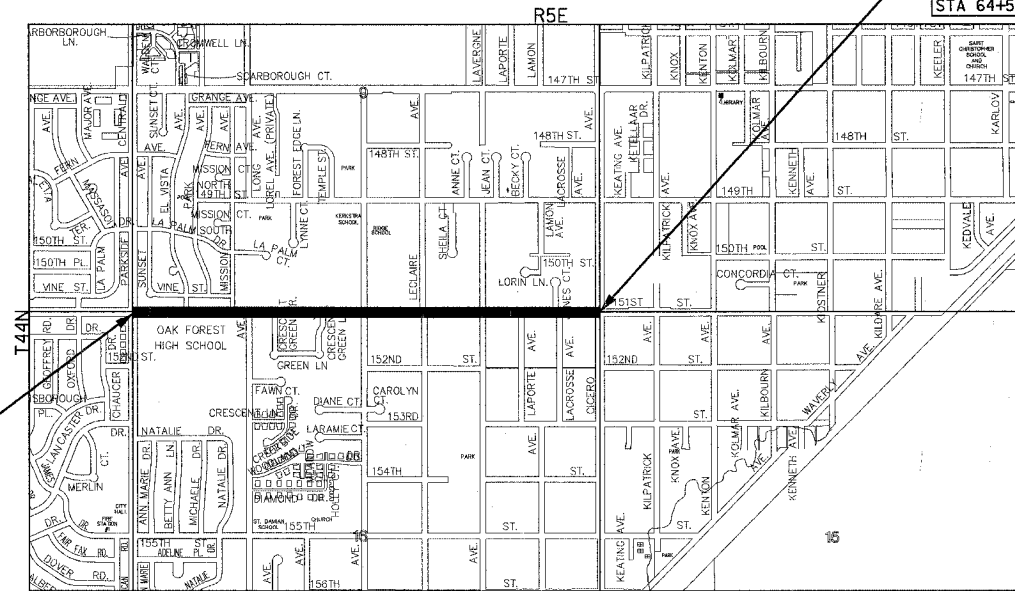
FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT LOCATED IN
THE CITY OF OAK FOREST

**PLANS FOR PROPOSED
FEDERAL AID HIGHWAY
FAU 3736 151st STREET
FAU 2795 CENTRAL AVENUE TO
FAP 350 ILLINOIS ROUTE 50 (CICERO AVENUE)
RESURFACING**

**PROJECT NO.: M-8003 (727)
SECTION: 06-00086-00-RS
JOB NO.: C-91-087-07
CITY OF OAK FOREST
COOK COUNTY**

LOCATION: F.A.U. 3736 151 ST STREET
PROJECT ENDS
STA 64+59



LOCATION: F.A.U. 3736 151 ST STREET
PROJECT BEGINS
STA 16+40

GROSS LENGTH OF IMPROVEMENT = 4,819 LIN. FT. OR 0.913 MILES
NET LENGTH OF IMPROVEMENTS = 4,819 LIN. FT. OR 0.913 MILES
BREMEN TOWNSHIP
BAXTER



Baxter & Woodman

Burlington, Wisconsin Crystal Lake, Illinois DeKalb, Illinois Itasca, Illinois Mokena, Illinois Grayslake, Illinois Rockford, Illinois (Plainfield, Illinois)

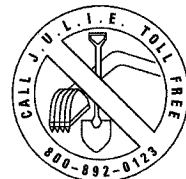
262.763.7834 815.459.1260 815.787.3111 630.773.1870 708.478.2090 847.223.5088 815.489.1551 815.609.7425

(OFFICE WHICH PREPARED PLANS)

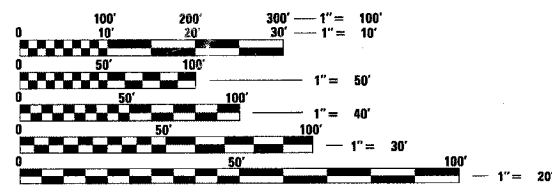
TRAFFIC DATA
POSTED & DESIGN SPEED LIMIT = 30 MPH
2006 ADT = 5,600 VPD

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

DESIGN DESIGNATION
COLLECTOR

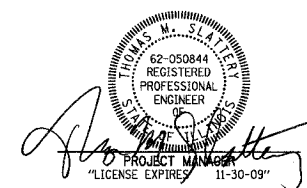


CALL 48 HOURS BEFORE YOU DIG



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.

CONTRACT: 83910



STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS	
APPROVED	<i>Dave Sellen</i> 3-4-08 DIRECTOR OF PUBLIC WORKS
PASSED	MARCH 31, 2008 <i>Christopher Hart</i> DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS
RELEASING FOR BID BASED ON LIMITED REVIEW	MARCH 31, 2008 <i>Dave M. O'Keefe</i> DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

PRINTED BY AUTHORITY OF THE STATE OF ILLINOIS PROJECT NO.: 060973

GENERAL NOTES

- THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS OR PROPERTY OR REFERENCE MARKERS UNTIL THE OWNER, HIS AGENT OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.
- ALL LOCATIONS OF PUBLIC AND PRIVATE UTILITIES SHOWN ON PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL EXISTING UTILITIES SO THAT THE UTILITIES AND THEIR APPURTENANCES MAY BE LOCATED AND ADJUSTED OR MOVED, IF NECESSARY, PRIOR TO THE START OF CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED IN THE STANDARD SPECIFICATIONS.
- 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 TO THE SATISFACTION OF THE ENGINEER OR THE OWNER OR REPLACED. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.
- ALL SAW CUTTING SHALL BE INCLUDED IN THE UNIT COST OF THE PAY ITEM INDICATED FOR REMOVAL.
- 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.
- NO STREET CLOSURES WILL BE ALLOWED.
- THE CONTRACTOR SHALL REPLACE ALL STREET SIGNS AND MAIL BOXES REMOVED DURING CONSTRUCTION AS NEAR AS POSSIBLE TO THEIR ORIGINAL LOCATION OR AS DETERMINED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE CONTRACT.
- ALL OPEN HOLE, BROKEN PAVEMENT AND TRENCHES RESULTING FROM STRUCTURE ADJUSTMENTS, OR CURB REPAIRS WORK SHALL BE BACKFILLED TO GRADE BY THE END OF THE DAY.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED)
- 10 FEET TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURB AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH THE UTILITY COMPANIES AND THE CITY OF OAK FOREST PUBLIC WORKS DEPARTMENT, BAXTER AND WOODMAN, INC.
- BARRICADE: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE I OR TYPE II BARRICADE USED - ONE (1) WEIGHTED SANDBAGS ACROSS EACH BOTTOM RAIL.
- 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.
- DRIVEWAYS SHALL REMAIN ACCESSIBLE DURING THE ENTIRE DURATION OF THE PROJECT.
- THE CONTRACTOR SHALL NOTIFY CITY PUBLIC WORKS AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK TO OBTAIN CITY UTILITY LOCATIONS AND SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER.
- MATERIALS RESULTING FROM THE REMOVAL OF PAVEMENT, DRIVEWAYS, CURB AND GUTTER, BITUMINOUS SURFACES, ETC. SHALL BE REMOVED AT THE END OF EACH DAY TO AN APPROVED SITE. IN THE JUDGMENT OF THE CITY, SHOULD IT BE NECESSARY TO REMOVE SUCH MATERIALS, THE CITY WILL HAVE THE MATERIAL REMOVED AND THE CONTRACTOR WILL BE BILLED (CHARGED) ACCORDINGLY.
- THE CONTRACTOR MAY OBTAIN MUNICIPAL WATER IN BULK, AT NO CHARGE, AS LONG AS THERE IS NOT A "WATERING" BAN IN EFFECT. THE INDISCRIMINATE USE OF FIRE HYDRANTS IS STRICTLY PROHIBITED. WATER FOR CONSTRUCTION SHALL BE METERED OR OTHERWISE ACCOUNTED FOR AND A DAILY LOG MAINTAINED. THE CONTRACTOR SHALL PROVIDE THE WATER TRUCK AND DRIVER REQUIRED TO OBTAIN AND TRANSPORT THIS WATER. THE CITY RESERVES THE RIGHT TO RESTRICT OR REFUSE THE USE OF CITY WATER IF DEEMED NECESSARY.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY RESIDENTS AND THE CITY WHEN ACCESS TO THEIR DRIVEWAYS WILL BE TEMPORARILY CLOSED DUE TO CURB AND GUTTER AND/OR DRIVEWAY REPLACEMENT. THE CONTRACTOR SHALL DISTRIBUTE NOTICES PROVIDED BY THE CITY TO RESIDENTS. EVERY EFFORT SHALL BE MADE TO ACCOMMODATE ACCESS TO THESE PROPERTIES INCLUDING KNOCKING ON DOORS WHEN DRIVEWAYS ARE ABOUT TO BE CLOSED.
- IN AREAS WHERE THE EXISTING DRIVEWAY OR SIDEWALK 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 PAY ITEM FOR DRIVEWAY PAVEMENT REMOVAL.
- STRIP REFLECTIVE CRACK CONTROL TREATMENT IS INTENDED FOR USE ON TRANSVERSE PAVEMENT CRACKING AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL LIMIT THE WORK TO ONE SIDE OF THE STREET UNLESS AS DIRECTED OTHERWISE BY THE ENGINEER.
- 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", THE "MANUAL OF TEST PROCEDURES FOR MATERIALS" AND THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS".

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3736	06-00086-00-RS	COOK	13	2
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 83910

INDEX OF SHEETS

SHEET NO.	TITLE
1	COVER SHEET
2	GENERAL NOTES, INDEX OF SHEETS, HIGHWAY STANDARDS, SUMMARY OF QUANTITIES
3	TYPICAL SECTIONS
4-8	PLAN SHEETS
9	TC-10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
10	TC-22 TEMPORARY INFORMATION SIGNING
11	BD-24 CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
12	BD-32 BUTT JOINT AND HMA TAPER DETAILS
13	TC-13 DISTRICT 1 TYPICAL PAVEMENT MARKINGS

HIGHWAY STANDARDS

000001-05	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
424001-05	CURB RAMPS FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
542301-01	PRECAST REINFORCED CONCRETE FLARED END SECTION
602011	CATCH BASIN, TYPE C
604001-02	FRAMES AND LIDS, TYPE 1
606001-03	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701501-04	URBAN LANE CLOSURE, 2L 2W UNDIVIDED
701801-03	LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901	TRAFFIC CONTROL DEVICES
886001	DETECTOR LOOP INSTALLATIONS
886006	TYPICAL LAYOUTS FOR DETECTION LOOPS

SUMMARY OF QUANTITIES

CODE NO.	PAY ITEM	UNIT	QUANTITY
20200100	EARTH EXCAVATION	CU YD	18
20800150	TRENCH BACKFILL	CU YD	8
28100105	STONE RIPRAP, CLASS A3	SQ YD	2
28200200	FILTER FABRIC	SQ YD	2
35101400	AGGREGATE BASE COURSE, TYPE B	TON	20
** 40600400	MIXTURE FOR CRACKS, JOINTS AND FLANGEWAYS	TON	2
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	620
40600895	CONSTRUCTING TEST STRIP	EACH	1
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1,030
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50	TON	90
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50	TON	1,235
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1,200
40603300	AGGREGATE (PRIME COAT)	TON	30
** 42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	325
** 42400800	DETECTABLE WARNINGS	SQ FT	48
** 44000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	900
44000600	SIDEWALK REMOVAL	SQ FT	100
** 44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	103
44201717	CLASS D PATCHES, TYPE II, 6"	SQ YD	24
44201721	CLASS D PATCHES, TYPE III, 6"	SQ YD	275
44201723	CLASS D PATCHES, TYPE IV, 6"	SQ YD	776
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	529
** 48101200	AGGREGATE SHOULDERS, TYPE B	TON	365
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTION, 12"	EACH	1
550A0050	STORM SEWER, CLASS A, TYPE 1, 12"	FOOT	65
60206905	CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID	EACH	1
** 60255500	MANHOLES TO BE ADJUSTED	EACH	6
** 60266600	VALVE BOXES TO BE ADJUSTED	EACH	4
** 60403600	GRATES, SPECIAL	EACH	4
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	5
67100100	MOBILIZATION	L SUM	1
** 70102620	TRAFFIC CONTROL & PROTECTION - STANDARD 701501	L SUM	1
** 70102640	TRAFFIC CONTROL & PROTECTION - STANDARD 701801	L SUM	1
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	48
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	15,400
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	185
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	468
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	109
** 88600600	DETECTABLE LOOP REPLACEMENT	FOOT	78
** X0321556	SANITARY MANHOLES TO BE ADJUSTED	EACH	2
** X0322256	TEMPORARY INFORMATIONAL SIGNING	SQ FT	51
** XX003435	PORTLAND CEMENT CONCRETE DRIVEWAY REMOVAL AND REPLACEMENT	SQ YD	65
** XX007272	PARKWAY RESTORATION	SQ YD	50
** XX007365	HOT-MIX ASPHALT SURFACE REMOVAL - DRIVEWAY BUTT JOINT	SQ YD	200
** XX007366	HOT-MIX ASPHALT SURFACE REMOVAL AND REPLACEMENT, 3"	SQ YD	2,450

* DENOTE SPECIALTY ITEM
 ** INDICATES NON-STANDARD ITEM COVERED BY SPECIAL PROVISION

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* REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS

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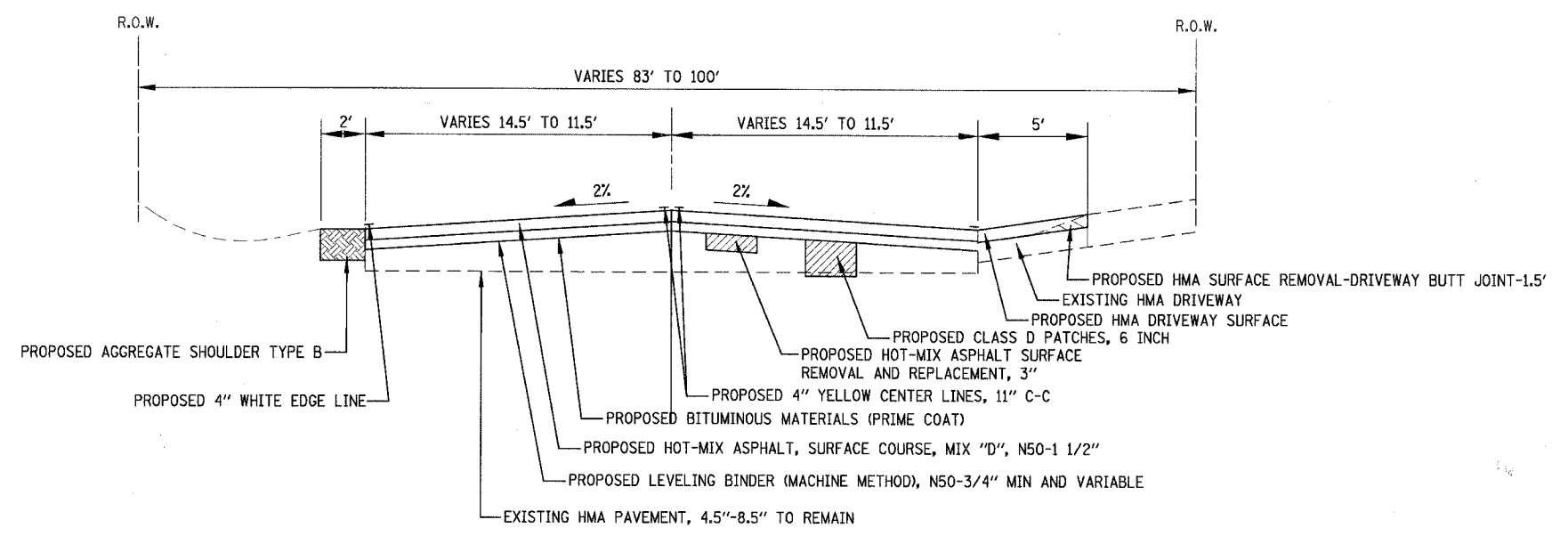
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 Rockford, Illinois 815.489.1551
 Plainfield, Illinois 815.809.7485

CITY OF OAK FOREST, ILLINOIS
 FAU 3736 151ST STREET (LAPP) RESURFACING
 SECTION 06-00086-00-RS

DESIGNED BY	SCALE
TMS	NONE
DRAWN BY	PROJECT NO.
BCD	060973
CHECKED BY	SHEET NO.
LDH	
DATE	
02/07/08	2 OF 13

**GENERAL NOTES, INDEX OF SHEETS,
 HIGHWAY STANDARDS,
 SUMMARY OF QUANTITIES**

CONTRACT NO. 83910



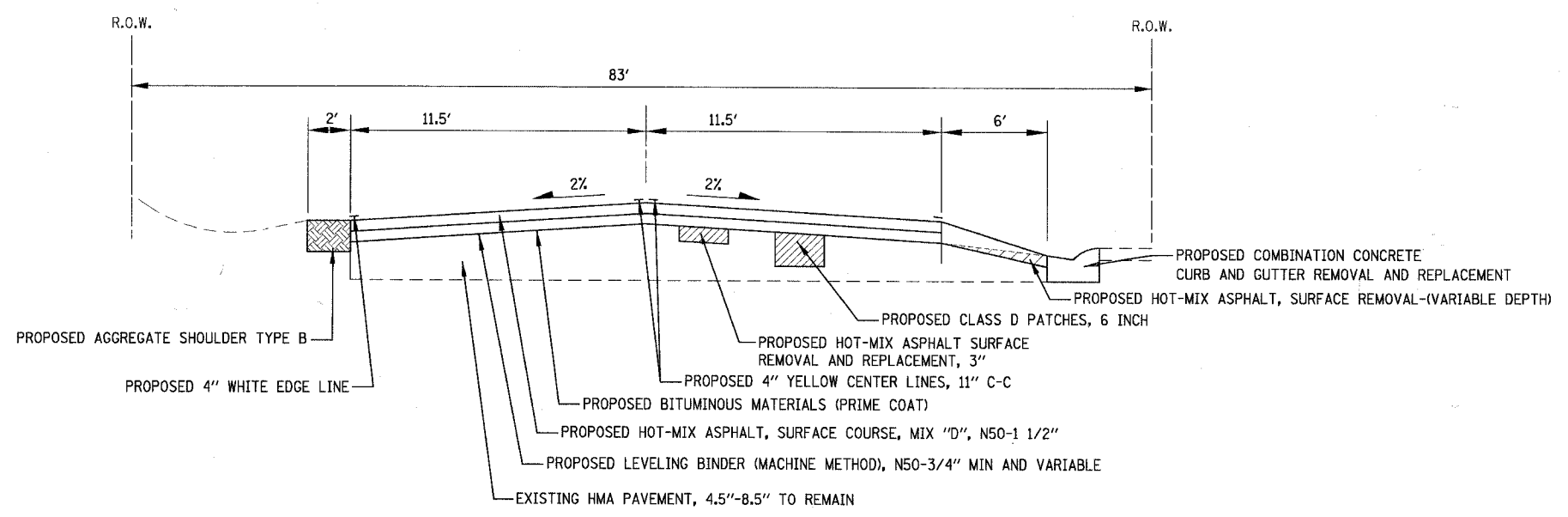
EXISTING AND PROPOSED TYPICAL SECTION
STATION 16+40 TO STATION 32+00
STATION 34+30 TO STATION 64+59
 (NOT TO SCALE)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

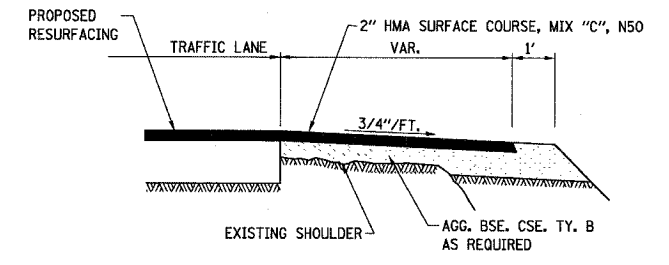
ITEM	AC TYPE	AIR VOIDS
PATCHING		
CLASS D PATCHES, 6" (HMA BINDER IL-19 mm)	PG 64-22*	4% @ 70 Gyr
HMA SURFACE REMOVAL AND REPLACEMENT 3" (HMA BINDER COURSE. IL-19.0, N50)	PG 64-22*	4% @ 50 Gyr
ROADWAY RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm)	PG 64-22	4% @ 50 Gyr
LEVELING BINDER (MACHINE METHOD), N50 (IL 9.5 mm)	PG 64-22*	4% @ 50 Gyr
DRIVEWAYS		
HMA SURFACE COURSE. MIX "C", N50 (IL 9.5 mm)	PG 64-22	4% @ 50 Gyr
THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACES IS 112 LBS/SQ YD/IN.		
* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG58-22.		

QC/QA HMA MIXTURES SCHEDULE

QC/QA HMA PAY ITEMS	TONS
CLASS D PATCHES	362
LEVELING BINDER (MACHINE METHOD), N50	620
HMA SURFACE COURSE, MIX "D" N50	1235
HMA SURFACE REMOVAL AND REPLACEMENT, 3"	412
HMA SURFACE COURSE, MIX "C", N50	90
TOTAL QC/QA HMA QUANTITY (TONS)	2719



EXISTING AND PROPOSED TYPICAL SECTION
STATION 32+00 TO STATION 34+30
 (NOT TO SCALE)



MAILBOX TURNOUT DETAIL

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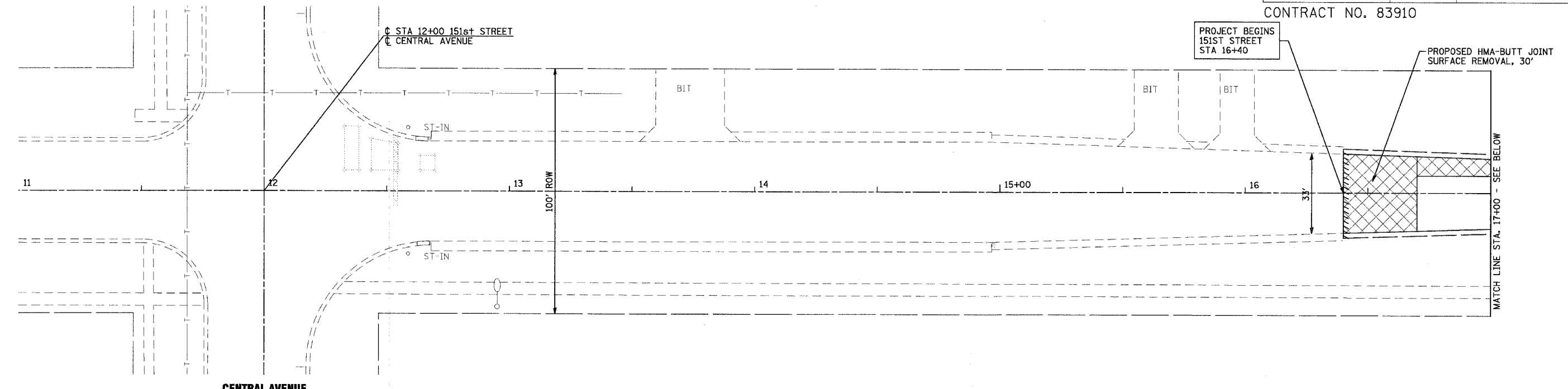
WOODMAN
 Consulting Engineers

CITY OF OAK FOREST, ILLINOIS
FAU 3736 151ST STREET (LAPP) RESURFACING
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02/07/08	3 OF 13

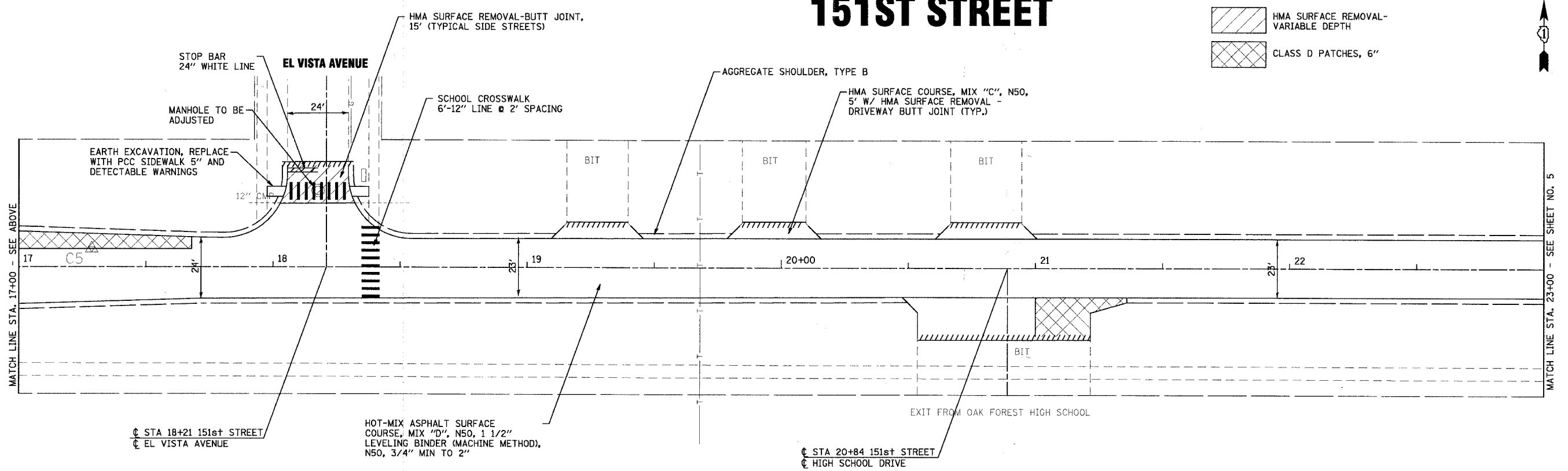
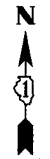
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STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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151ST STREET

- HMA SURFACE REMOVAL-VARIABLE DEPTH
- CLASS D PATCHES, 6"



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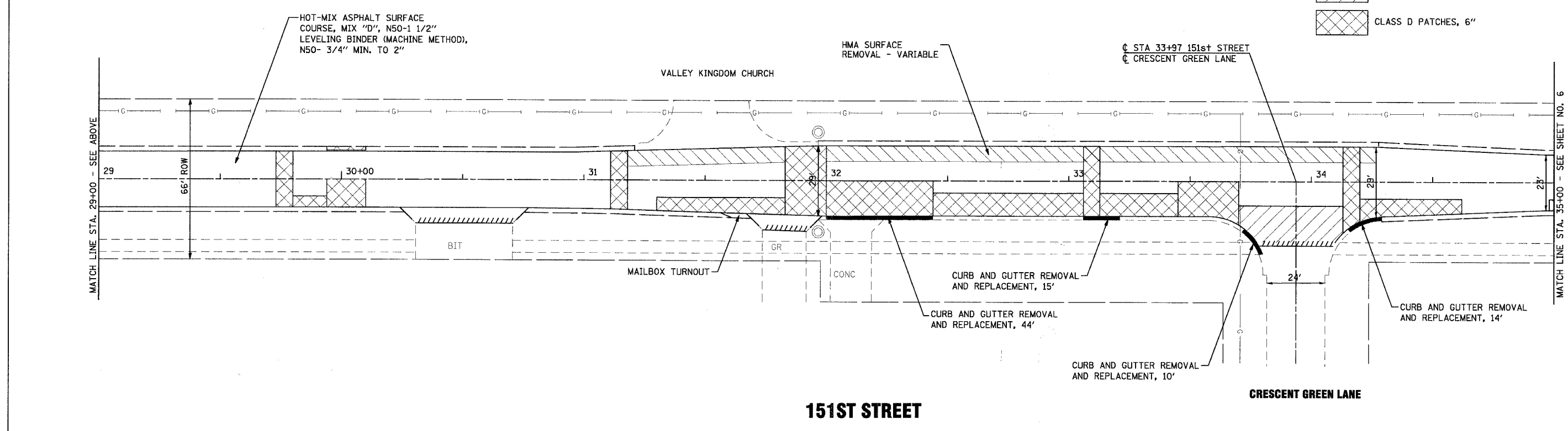
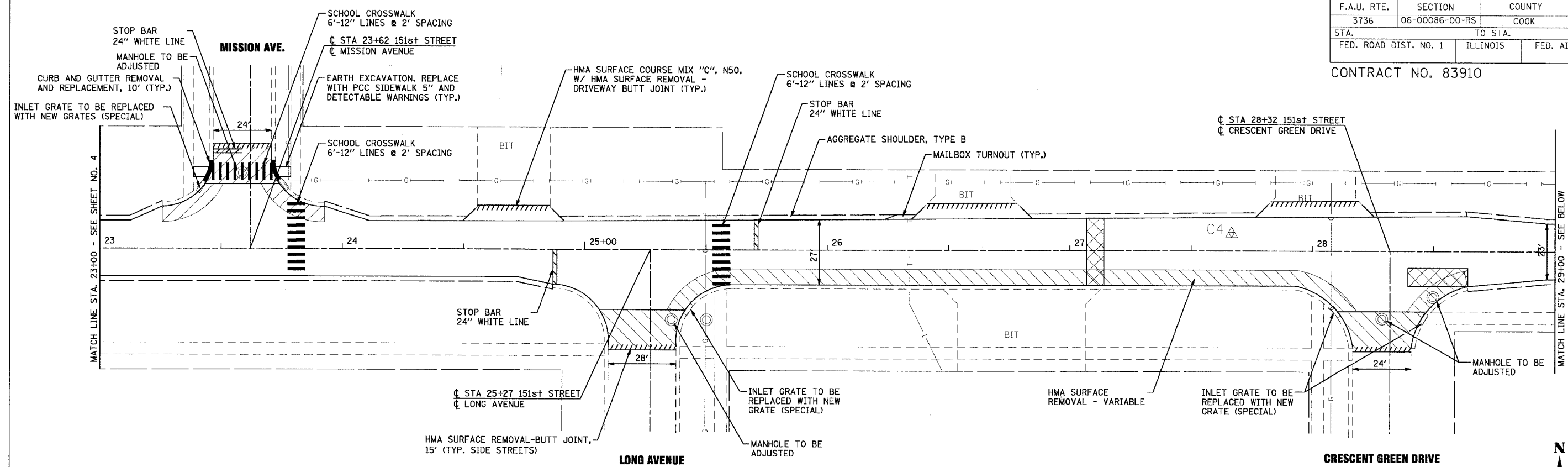
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CITY OF OAK FOREST, ILLINOIS
FAU 3736 151ST STREET (LAPP) RESURFACING
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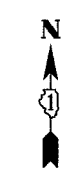
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CHECKED BY	LDH	SHEET NO.	
DATE	02/07/08		
			4 OF 13

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 83910



- HMA SURFACE REMOVAL - VARIABLE DEPTH
- CLASS D PATCHES, 6"



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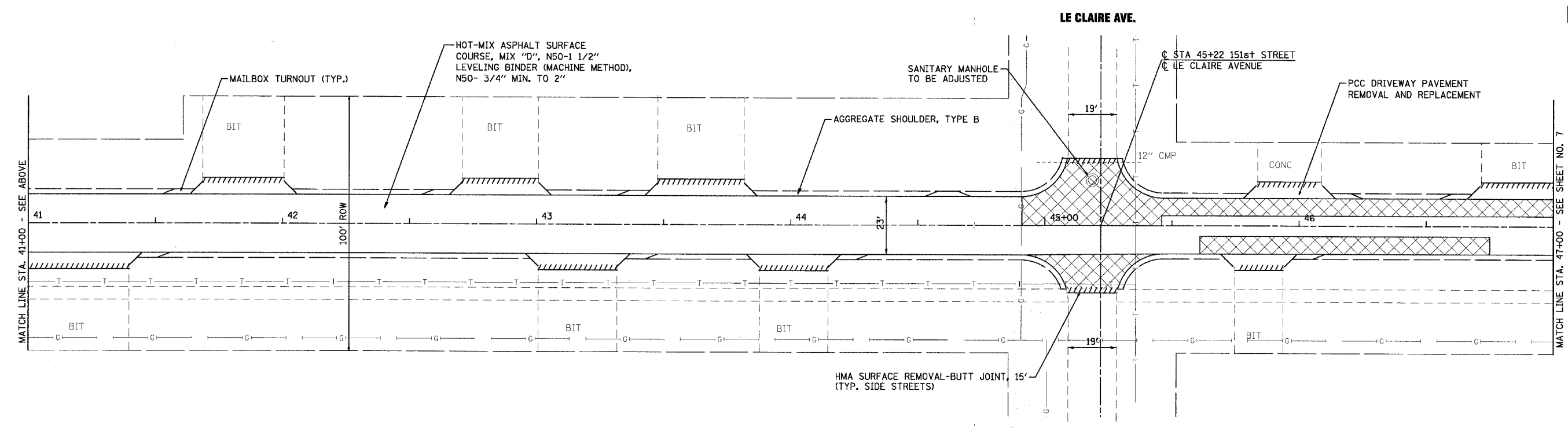
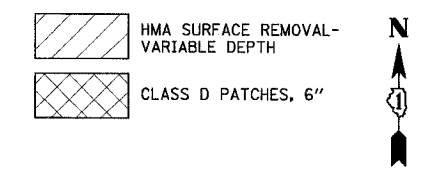
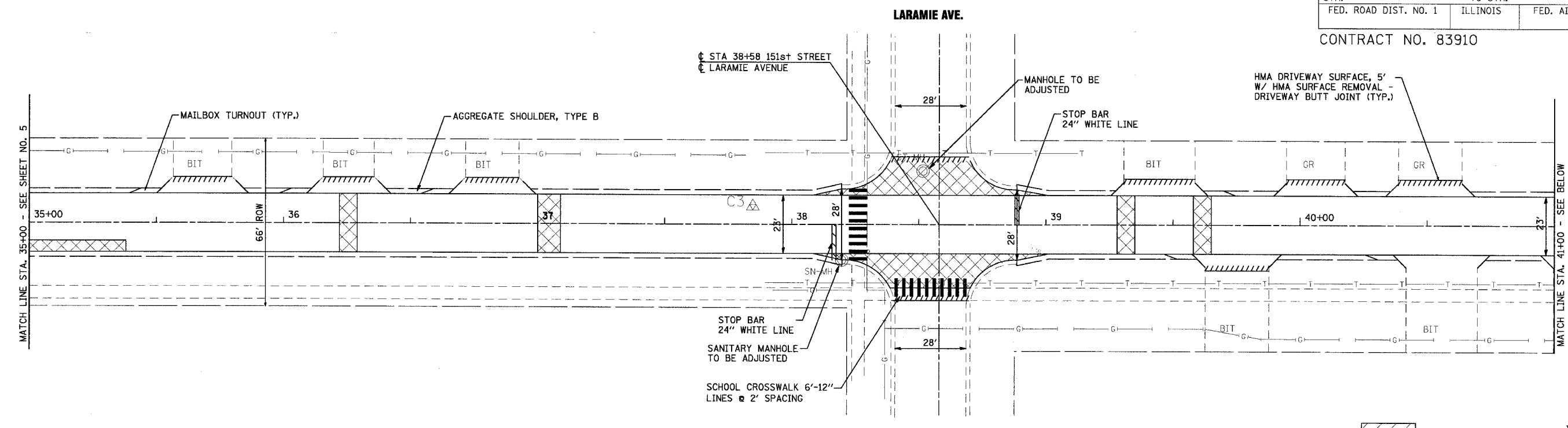
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 Plainfield, Illinois 815.808.7425

CITY OF OAK FOREST, ILLINOIS
FAU 3736 151ST STREET (LAPP) RESURFACING
SECTION 06-00086-00-RS

DESIGNED BY	SCALE
TMS	1" = 20'
DRAWN BY	PROJECT NO.
BCD	060973
CHECKED BY	SHEET NO.
LDH	5 OF 13
DATE	
02/07/08	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83910



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 566dcd © 2005, BY BAXTER & WOODMAN, INC.
 LICENSE NO. 184-00121 - EXPIRES 7/30/2007

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	2/6/08	PER IDOT REVIEW
	2	3/4/08	PER IDOT REVIEW

* REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS

DRAWING FILE: ...dgn\060973-Plan03.SHT

BAXTER & WOODMAN
 Consulting Engineers

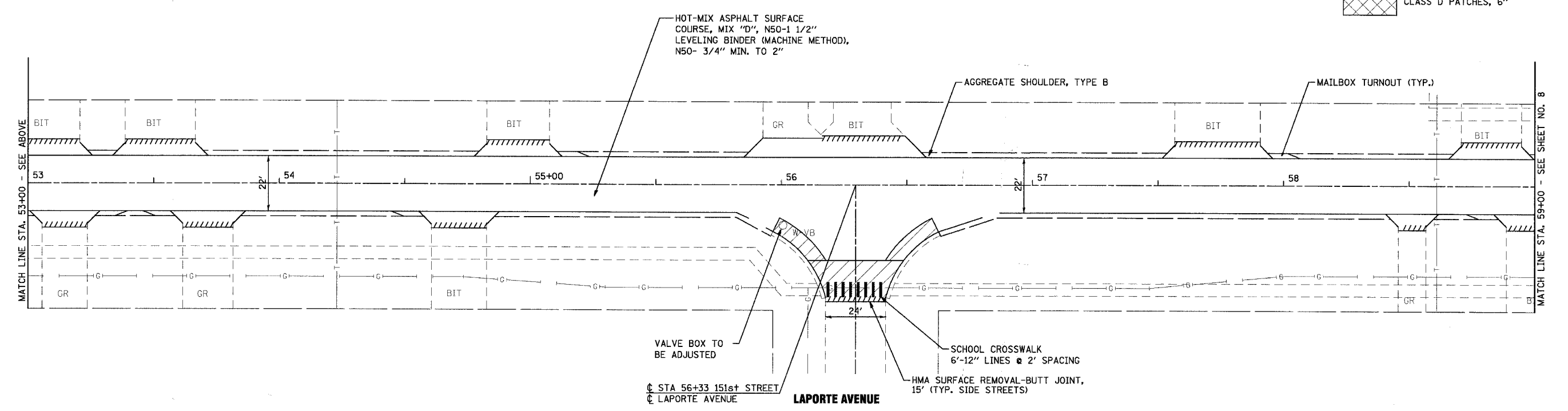
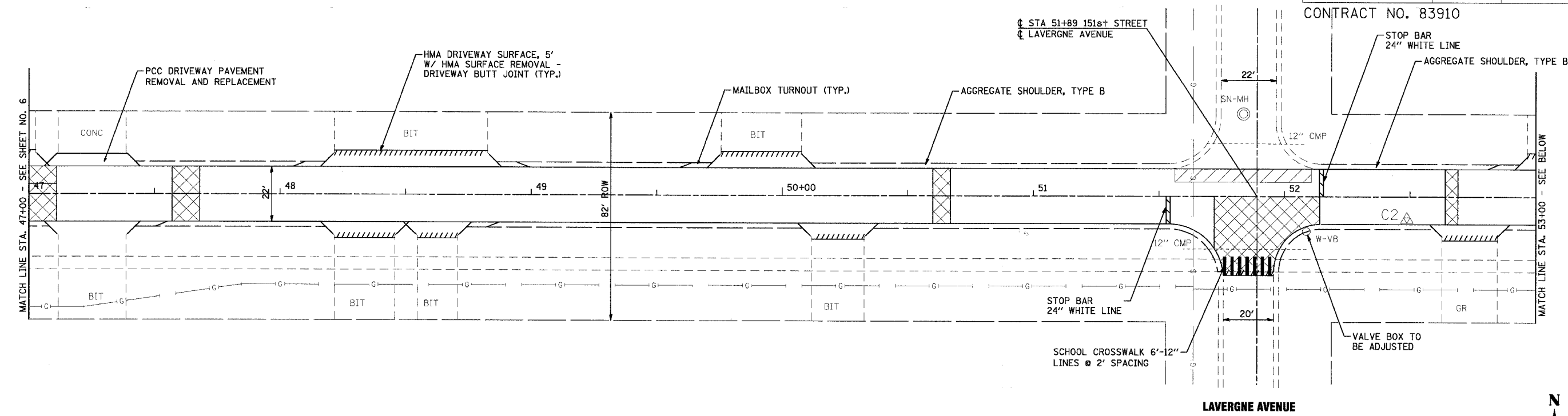
Baxter & Woodman
 Crystal Lake, Illinois 815.459.1260
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.787.8111
 Crystal Lake, Illinois 847.323.5068
 Rockford, Illinois 815.488.1551
 Plainfield, Illinois 815.609.7425

CITY OF OAK FOREST, ILLINOIS
FAU 3736 151ST STREET (LAPP) RESURFACING
SECTION 06-00086-00-RS

DESIGNED BY	TMS	SCALE	1" = 20'
DRAWN BY	BCD	PROJECT NO.	060973
CHECKED BY	LGH	SHEET NO.	6 OF 13
DATE	02/07/08		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3736	06-00086-00-RS	COOK	13	7
STA. 3736		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 83910



- HMA SURFACE REMOVAL - VARIABLE DEPTH
- CLASS D PATCHES, 6"

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 56b0cd
 2005 BY BAXTER & WOODMAN, INC.
 LICENSE NO. 184-00231 - EXPIRES 4/30/2007

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	2/6/08	PER IDOT REVIEW
	2	3/4/08	PER IDOT REVIEW

* REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS

DRAWING FILE: ...:\dwg\060973-Plan04.SHT

BAXTER & WOODMAN
 Consulting Engineers

Baxter & Woodman
 Crystal Lake, Illinois 815.459.1260
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.3090
 DeKalb, Illinois 815.787.3111
 Graylake, Illinois 847.222.5088
 Rockford, Illinois 815.489.1551
 Plainfield, Illinois 815.606.7425

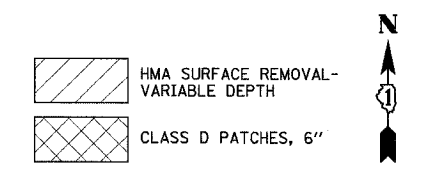
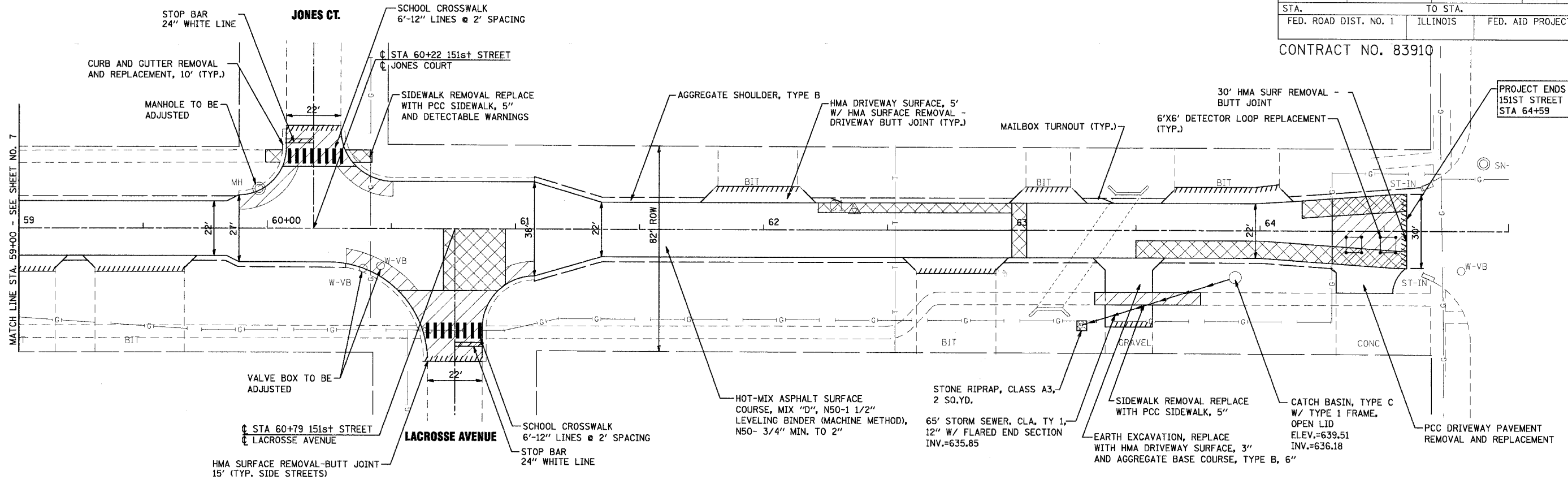
CITY OF OAK FOREST, ILLINOIS
FAU 3736 151ST STREET (LAPP) RESURFACING
SECTION 06-00086-00-RS

DESIGNED BY	TMS	SCALE	1" = 20'
DRAWN BY	BCD	PROJECT NO.	060973
CHECKED BY	LDH	SHEET NO.	7 OF 13
DATE	02/07/08		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3736	06-00086-00-RS	COOK	13	8
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS		FED. AID PROJECT	

CONTRACT NO. 83910

PROJECT ENDS
151ST STREET
STA 64+59



BENCHMARK:
RIM OF CATCH BASIN FRAME IN THE SOUTHWEST CORNER
OF CICERO AVENUE AND 151ST STREET.
ELEV.=640.77

3/25/2008 10:02:26 PM I:\work\060973-01s\kapp\dgn\060973-Plan05.SHT
 566bdc © 2006, BY BAXTER & WOODMAN, INC.
 LICENSE NO. 184-00321 - EXPIRES 4/30/2007

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	2/6/08	PER IDOT REVIEW
	2	3/4/08	PER IDOT REVIEW

* REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS

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BAXTER & WOODMAN
Consulting Engineers

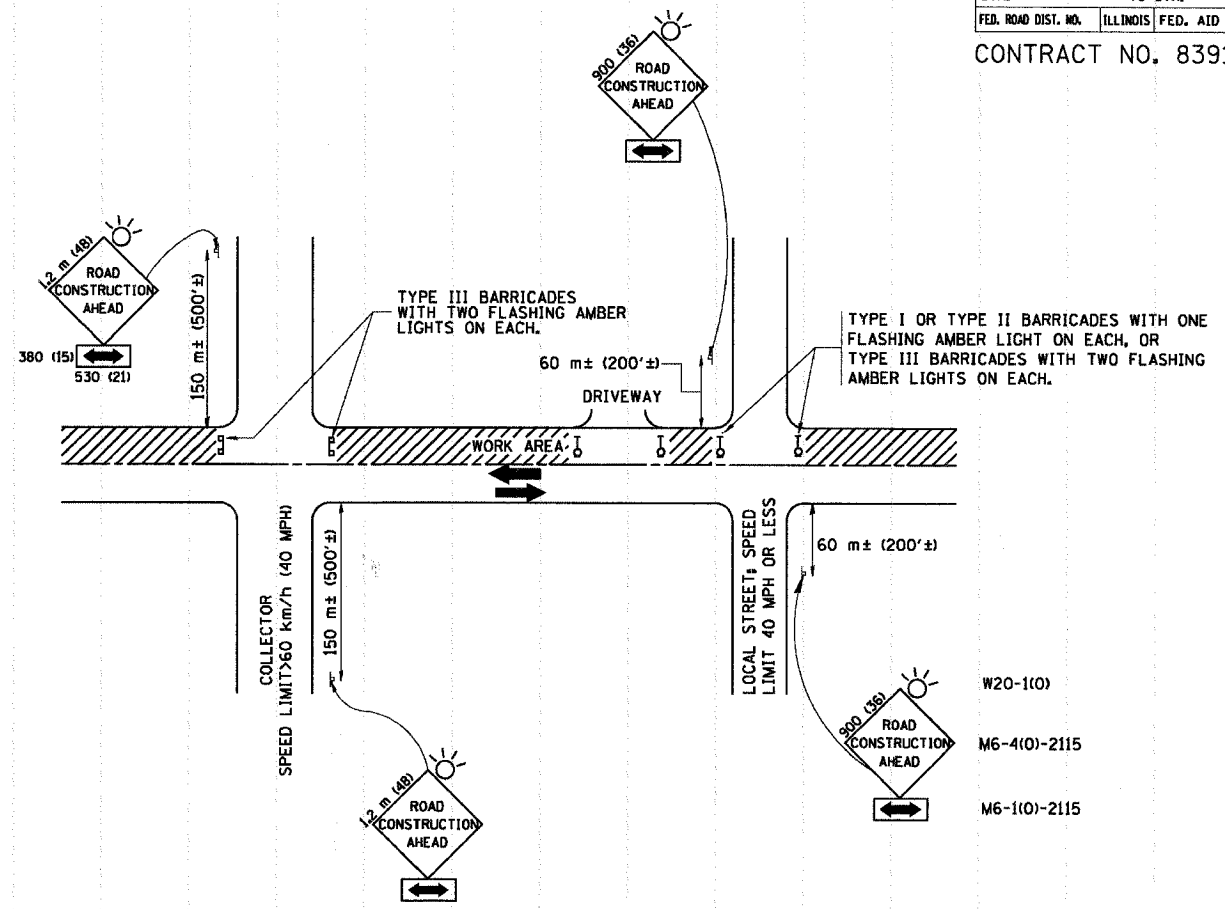
Baxter & Woodman
Crystal Lake, Illinois 815.459.1260
Burlington, Wisconsin 262.783.7834
Mokena, Illinois 708.478.2090
DeKalb, Illinois 815.787.8111
Grayslake, Illinois 847.322.5088
Rockford, Illinois 815.488.1551
Plainfield, Illinois 815.609.7495

CITY OF OAK FOREST, ILLINOIS
FAU 3736 151ST STREET (LAPP) RESURFACING
SECTION 06-00086-00-RS

DESIGNED BY	SCALE
TMS	1" = 20'
DRAWN BY	PROJECT NO.
BCD	060973
CHECKED BY	SHEET NO.
LDH	8 OF 13
DATE	
02/07/08	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3736	06-00086-00-RS	COOK	13	9
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 83910



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 60 km/h (40 MPH) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE ROAD CONSTRUCTION AHEAD SIGN 900x900 (36x36) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 60 m (200') 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 60 km/h (40 MPH) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE ROAD CONSTRUCTION AHEAD SIGN 1.2 m x 1.2 m (48x48) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 150 m (500') 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.
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.

REVISIONS	
NAME	DATE
LHA	6/89
T. RAMMACHER	09/08/94
J. OBERLE	10/18/95
A. HOUSEH	03/06/96
A. HOUSEH	10/15/96
T. RAMMACHER	01/06/00

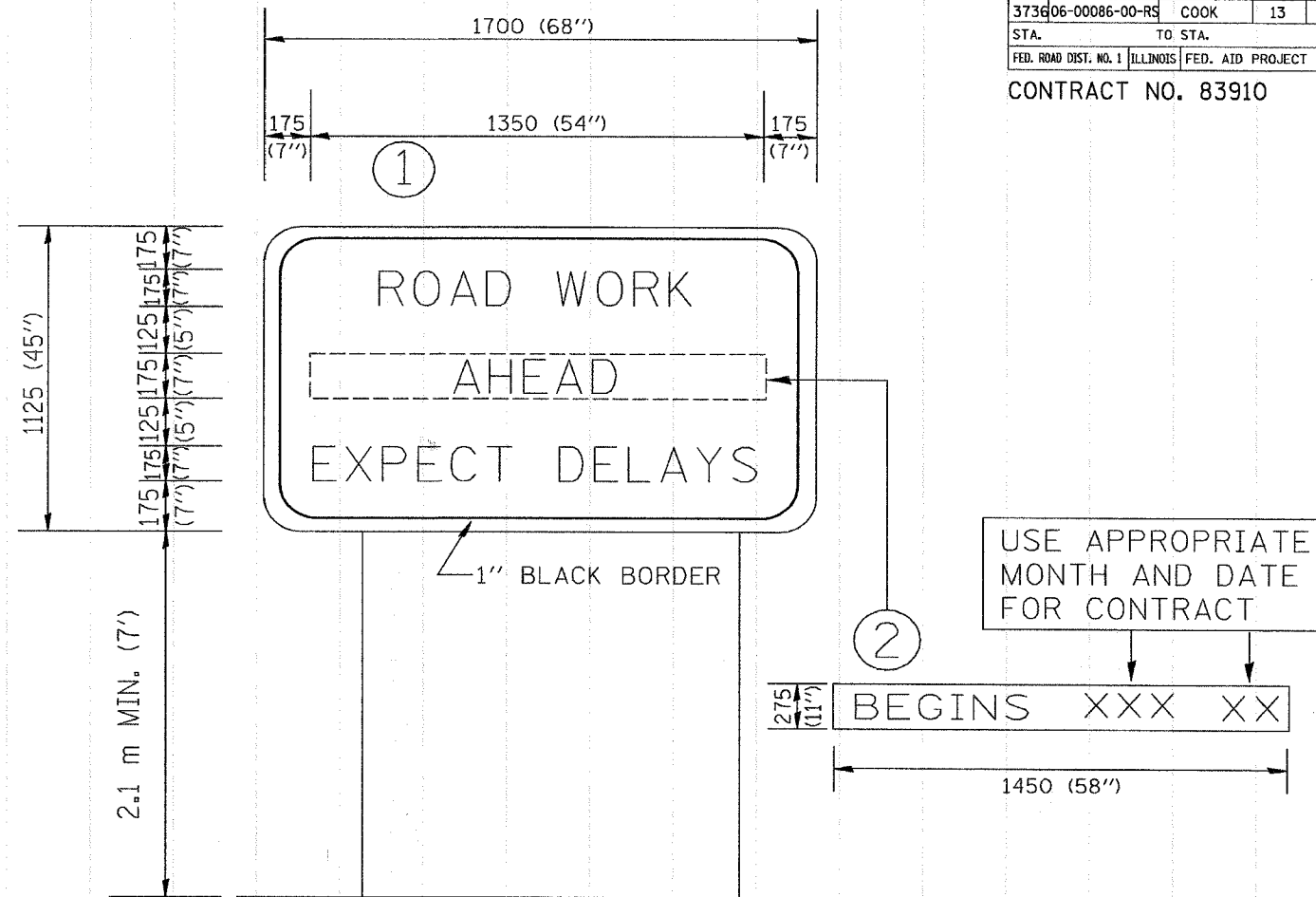
ILLINOIS DEPARTMENT OF TRANSPORTATION
 TRAFFIC CONTROL AND PROTECTION
 FOR
 SIDE ROADS, INTERSECTIONS, AND
 DRIVEWAYS

SCALE: DATE: 2/15/2006
 DRAWN BY: CHECKED BY: TC-10

REVISION DATE: 01/06/00

PLOT SCALE = 0.84880 / IN.
 USER NAME = greglanob

CONTRACT NO. 83910



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 2.3 SQ. M. (25.70 SQ. FT.)

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

REVISIONS	
NAME	DATE
R. MIRS	9-15-97
R. MIRS	12-11-97
T. RAMMACHER	2-2-99

ILLINOIS DEPARTMENT OF TRANSPORTATION
TEMPORARY INFORMATION SIGNING

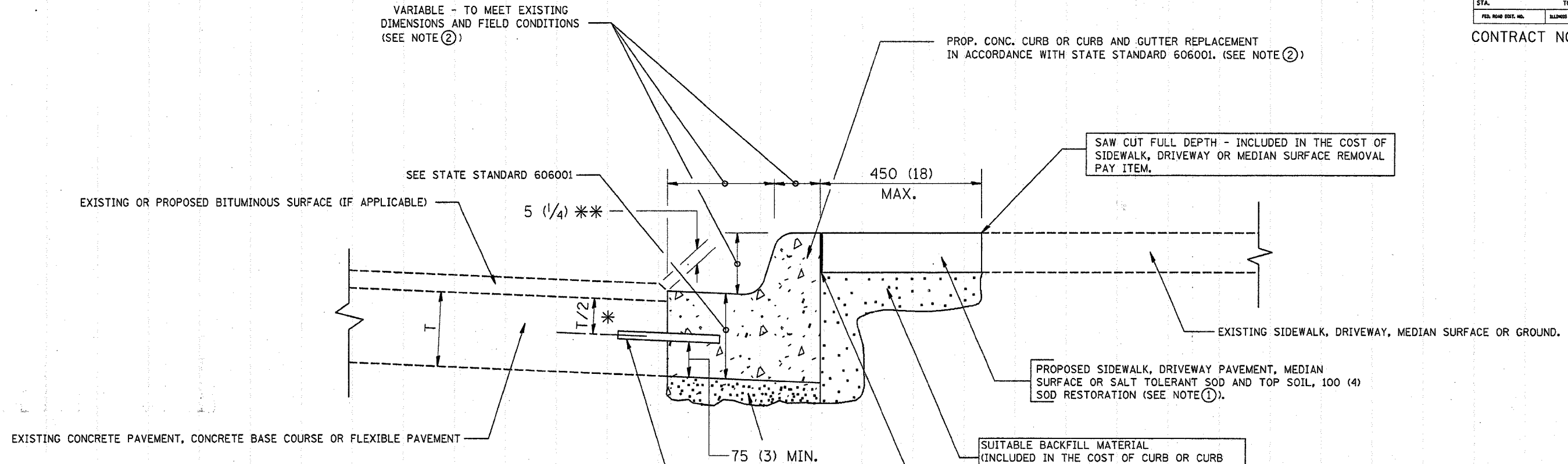
SCALE:
DATE 10/18/2002

DRAWN BY: BUR. OF DESIGN
CHECKED BY

TC22
REVISION DATE: 02/02/99

F. A. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3736	06-00086-00-RS	COOK	13	11
STA.	TO STA.			
FED. ROAD DIST. NO.	BILLING	FED. AID PROJECT		

CONTRACT NO. 83910



- * 75 (3) 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, 100 (4) 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 BITUMINOUS 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 100 (4) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

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

PROPOSED NO. 20 (NO. 6) EPOXY COATED TIE BARS 600 (24) LONG AT 600 (24) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

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

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

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

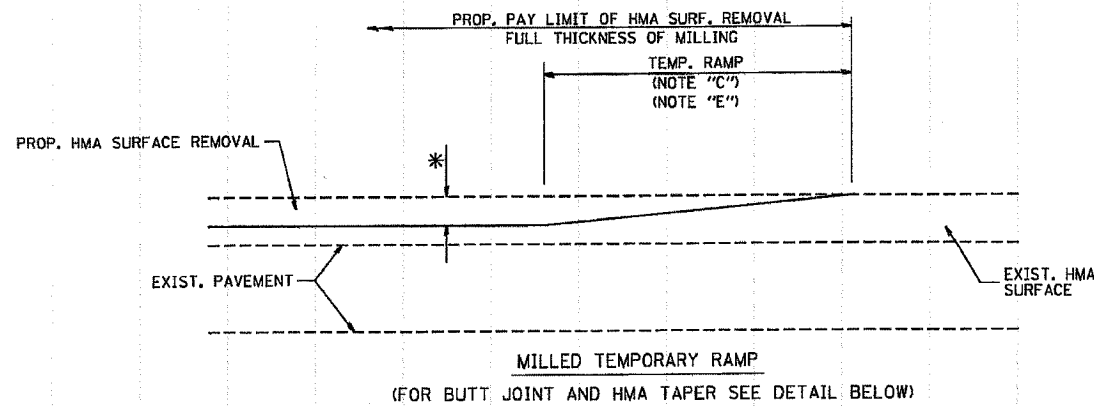
REVISIONS	
NAME	DATE
M. DE YONG	05/28/91
A. HOUSEH	03/11/94
R. SHAH	02/24/95
R. SHAH	03/02/95
R. SHAH	08/19/96
R. SHAH	09/12/96
R. SHAH	09/19/96
R. SHAH	10/03/96
A. ABBAS	03/21/97
M. GOMEZ	01/22/01

ILLINOIS DEPARTMENT OF TRANSPORTATION
**CURB OR
 CURB AND GUTTER
 REMOVAL AND REPLACEMENT**

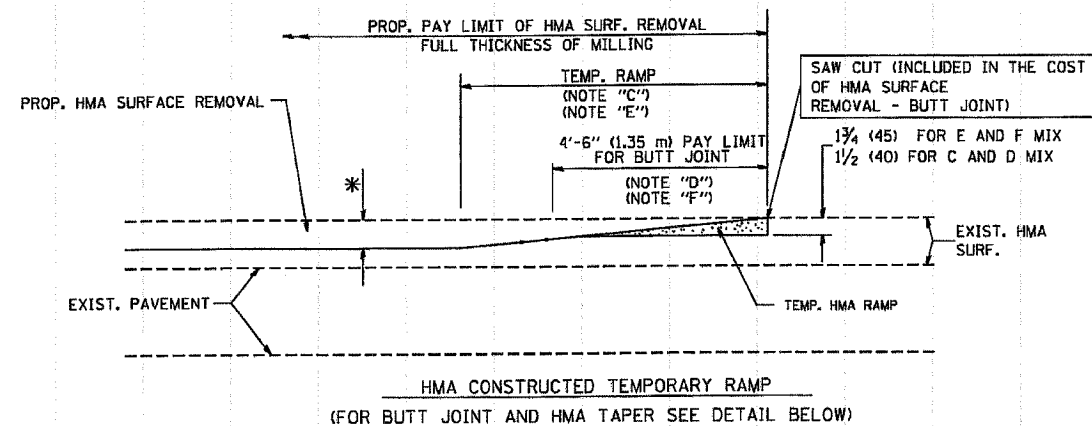
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 DRAWN BY
 CHECKED BY
 BD600-05 (BD-24)

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3736	06-00086-00-RS	COOK	13	12
STA.	TO STA.			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

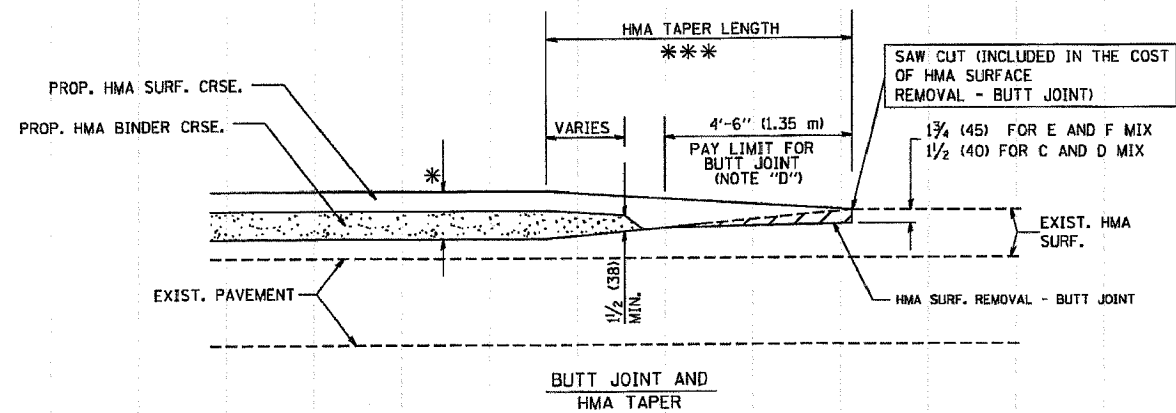
CONTRACT NO. 83910



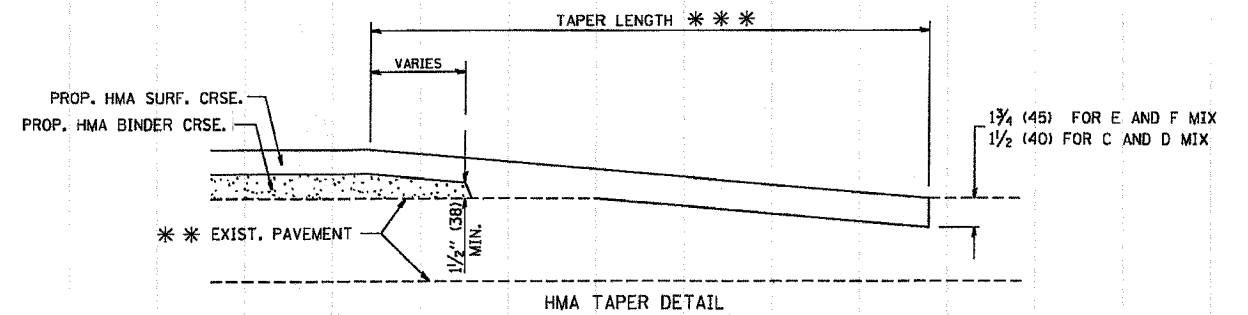
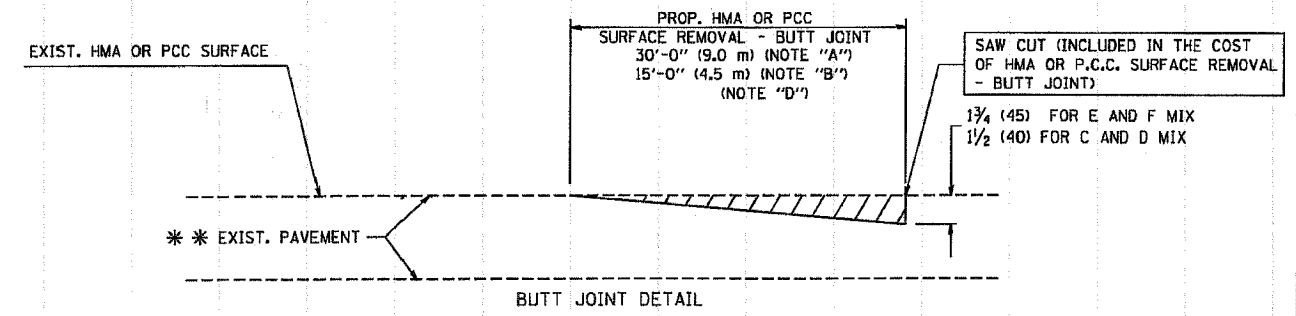
OPTION 1



OPTION 2
TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING



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")

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

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".

REVISIONS	
NAME	DATE
M. DE YONG	6-13-90
M. DE YONG	7-3-90
M. DE YONG	3-27-92
R. SHAH	09/09/94
R. SHAH	10/25/94
A. ABBAS	03/21/97
M. GOMEZ	04/06/01
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

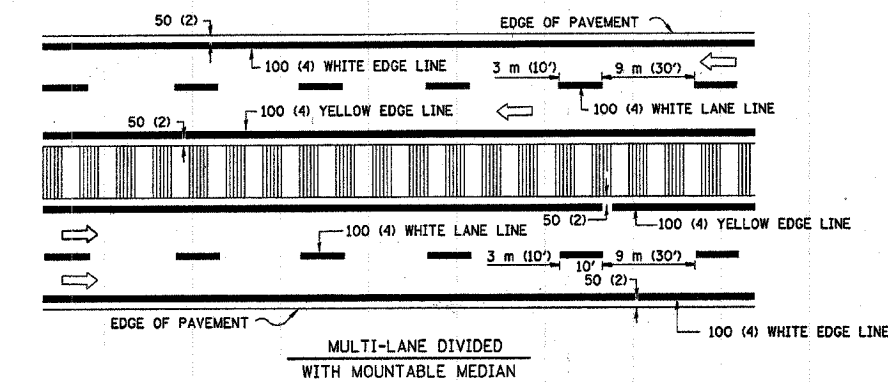
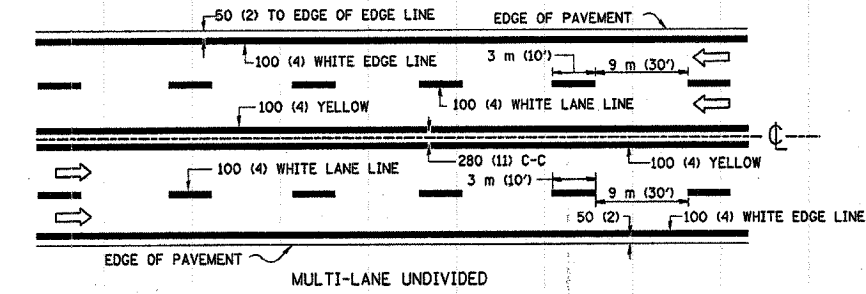
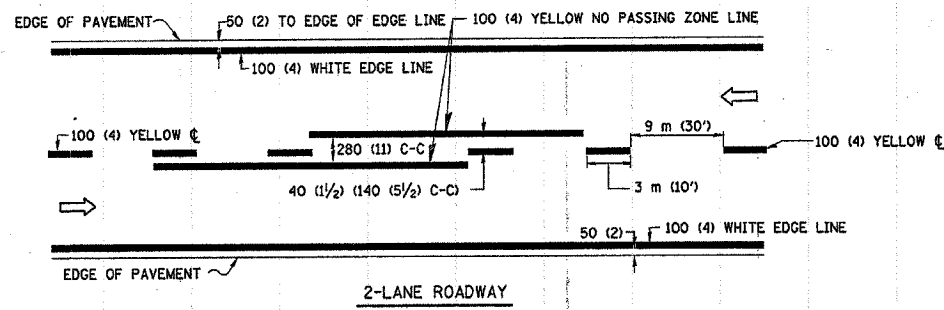
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HORIZ. NONE
PLOT DATE: 10/31/2006

DRAWN BY
CHECKED BY

BD400-05 (VI-BD32)
REVISION DATE: 01/01/07

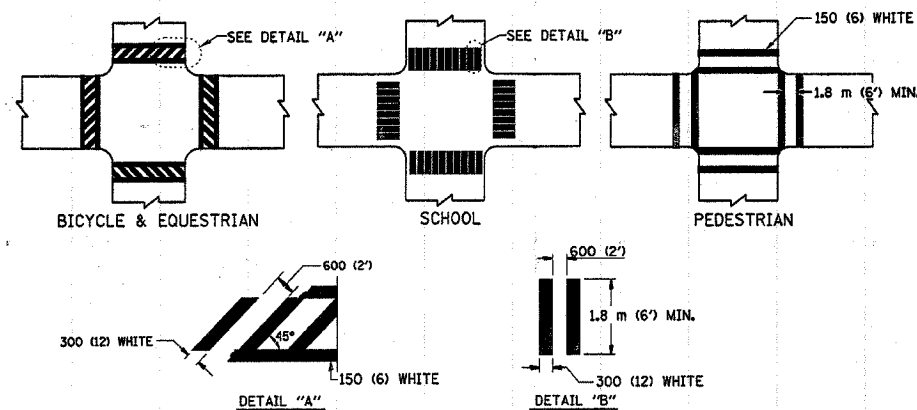
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CONTRACT NO. 83910

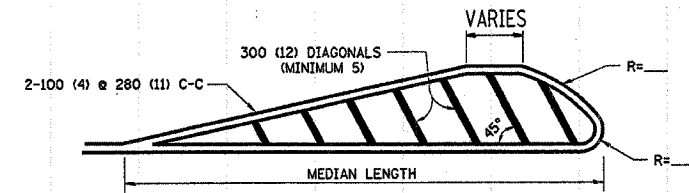
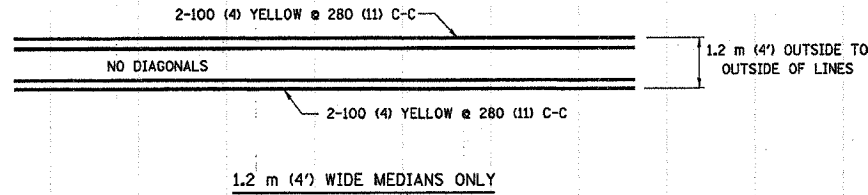


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

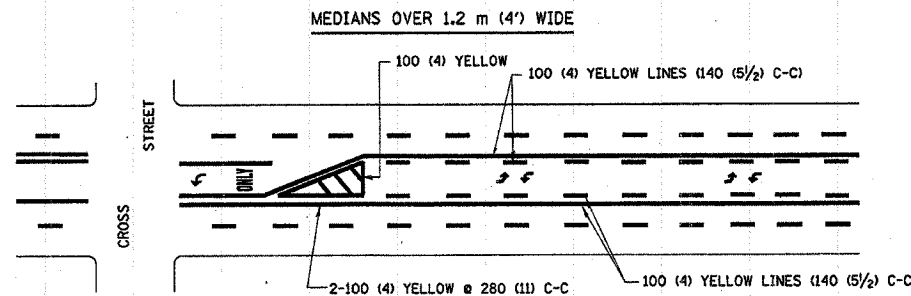
TYPICAL LANE AND EDGE LINE MARKING



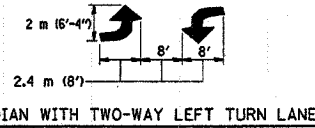
TYPICAL CROSSWALK MARKING



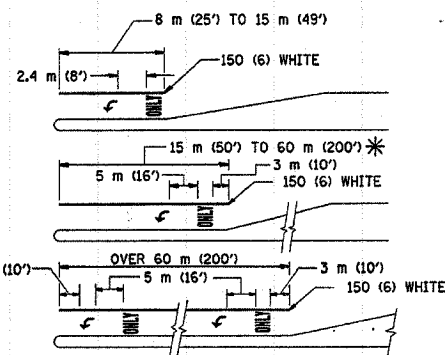
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.
 DIAGONAL LINE SPACING: 15 m (50') C-C (LESS THAN 50 km/h (30 MPH))
 25 m (75') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH))
 45 m (150') C-C (MORE THAN 70 km/h (45 MPH))



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



TYPICAL PAINTED MEDIAN MARKING

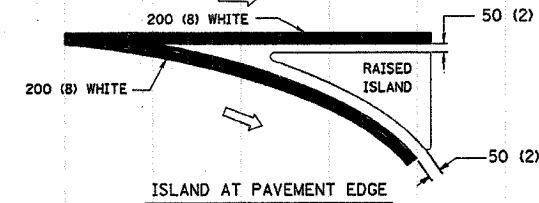
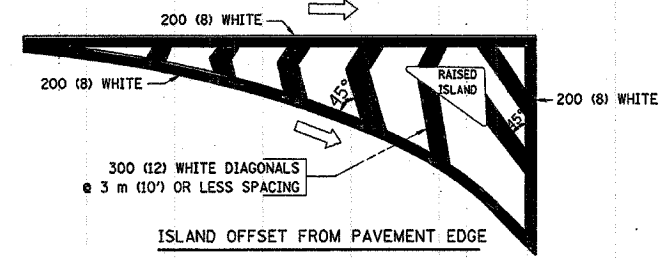


FULL SIZE LETTERS 2.4 m (8') AND ARROWS SHALL BE USED. AREA = 1.5 m² (15.6 SQ. FT.) ONLY AREA = 1.9 m² (20.8 SQ. FT.)

* TURN LANES IN EXCESS OF 120 m (400') 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	100 (4)	SKIP-DASH	YELLOW	3 m (10') LINE WITH 9 m (30') SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 100 (4)	SOLID	YELLOW	280 (11) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	100 (4) 2 @ 100 (4)	SOLID SOLID	YELLOW YELLOW	140 (5 1/2) C-C FROM SKIP-DASH CENTERLINE 280 (11) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	100 (4) 125 (5) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	3 m (10') LINE WITH 9 m (30') SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	600 (2') LINE WITH 1.8 m (6') SPACE
EDGE LINES	100 (4)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	150 (6) LINE; FULL SIZE LETTERS & SYMBOLS (2.4 m (8'))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 100 (4) EACH DIRECTION 2.4 m (8') LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	3 m (10') LINE WITH 9 m (30') SPACE FOR SKIP-DASH; 140 (5 1/2) 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 @ 150 (6) 300 (12) @ 45° 300 (12) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 1.8 m (6') APART 600 (2') APART 600 (2') APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	600 (24)	SOLID	WHITE	PLACE 1.2 m (4') IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 100 (4) WITH 300 (12) DIAGONALS @ 45° NO DIAGONALS USED FOR 1.2 m (4') WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	280 (11) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	200 (8) WITH 300 (12) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 4.5 m (15') C-C (LESS THAN 50 km/h (30 MPH)) 6 m (20') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH)) 9 m (30') C-C (OVER 70 km/h (45 MPH))
RAILROAD CROSSING	600 (24) TRANSVERSE LINES; "RR" IS 1.8 m (6') LETTERS; 400 (16) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=0.33m ² (3.6 SQ. FT.) EACH "X"=5.0 m ² (54.0 SQ. FT.)
SHOULDER DIAGONALS	300 (12) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	15 m (50') C-C (LESS THAN 50 km/h (30 MPH)) 25 m (75') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH)) 45 m (150') C-C (OVER 70 km/h (45 MPH))

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

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

**DISTRICT ONE
TYPICAL PAVEMENT
MARKINGS**

REVISIONS	
NAME	DATE
EVERS	03-19-90
T. RAMMACHER	10-27-94
ALEX HOUSEH	10-09-96
ALEX HOUSEH	10-17-96
T. RAMMACHER	01-06-00

SCALE: NONE
DATE 12/04/2002

DRAWN BY CADD

CHECKED BY

TC-13

REVISION DATE: 01/06/00