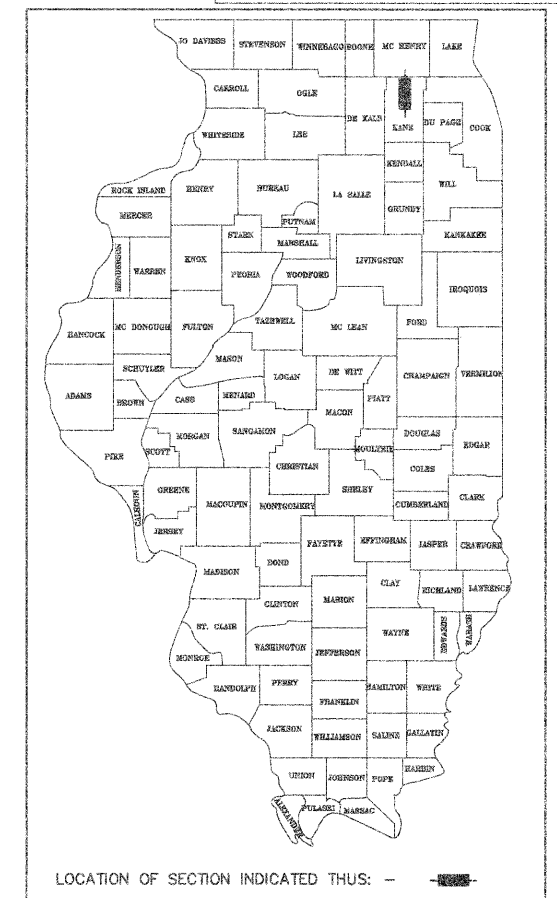


FOR INDEX OF SHEETS, SEE SHEET NO.2

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED
FEDERAL AID PROJECT
LAPP RESURFACING
STATE STREET (FAU 98)
FROM IL ROUTE 72 (FAP 557)
TO 450' NORTH OF KEYES AVENUE
PROJECT NO. ARA-9003 (318)
SECTION NO. 09-00017-00-RS
VILLAGE OF HAMPSHIRE
KANE COUNTY
JOB NO. C-91-625-09

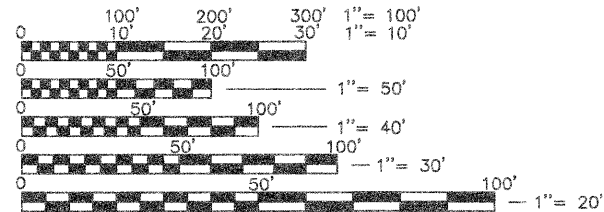
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
98	09-00017-00-RS	KANE	11	1
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT - LAPP		
CONTRACT NO. 63295				



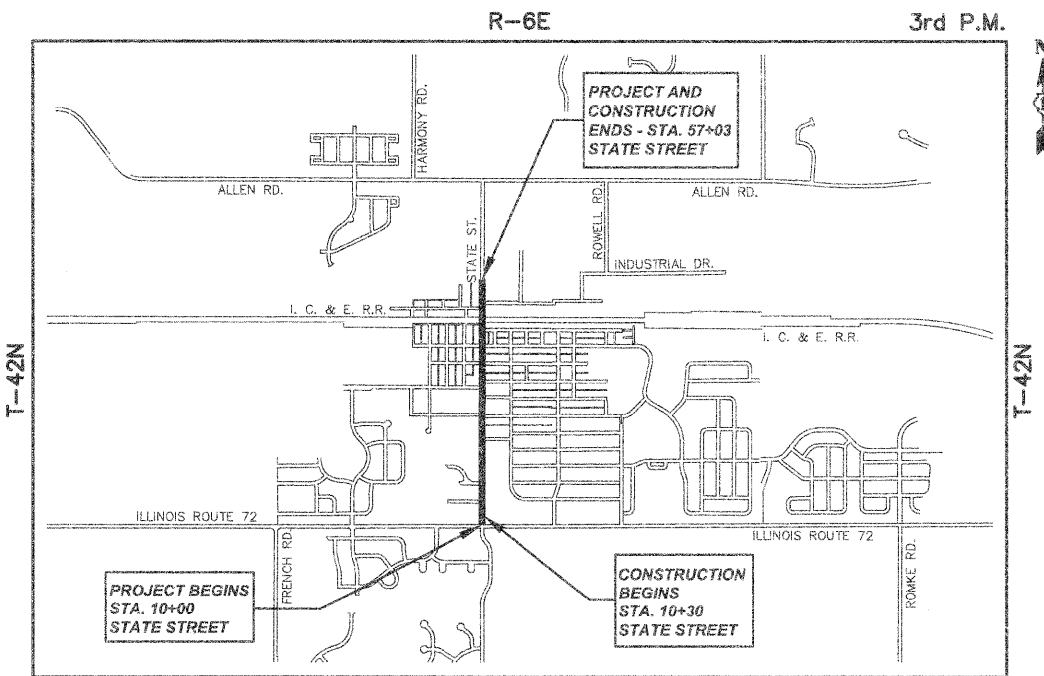
PROJECT LOCATED IN
VILLAGE OF HAMPSHIRE

DESIGN DESIGNATION

STATE STREET: MAJOR COLLECTOR
 DESIGN SPEED = 30 M.P.H.
 POSTED SPEED = 30 M.P.H.
 ADT(2008) = 5,950 VPD (AT MILL STREET)



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.



E 1/2, SE 1/4, SECTION 21 AND E 1/2, NE 1/4, SECTION 28
 HAMPSHIRE TOWNSHIP

LOCATION MAP
N.T.S.

NET LENGTH OF PROJECT = 4,673 FEET (0.89 MILES)
 GROSS LENGTH OF PROJECT = 4,703 FEET (0.89 MILES)

CONSULTING ENGINEER: ENGINEERING ENTERPRISES, INC.
 CONTACT: SCOT H. PRINDIVILLE (847)-683-3100

JULIE
 JOINT
 UTILITY
 LOCATION
 INFORMATION FOR
 EXCAVATION
 CALL 811

Know what's below.
 Call before you dig.

CONTRACT 63295

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS	
APPROVED	August 28, 2009 2009 <i>Jeffrey R. [Signature]</i> VILLAGE OF HAMPSHIRE, VILLAGE PRESIDENT
PASSED	SEPTEMBER 1, 2009 <i>C. [Signature]</i> DISTRICT #1 ENGINEER OF LOCAL ROADS & STREETS
RELEASING FOR BID BASED ON LIMITED REVIEW	SEPTEMBER 1, 2009 <i>Diana M. O'Keefe</i> DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

DATE: August 28, 2009

BY: *Scot H. Prindiville*
SCOT H. PRINDIVILLE

LICENSE EXPIRES: NOVEMBER 30, 2009

SEAL

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 CONSULTING ENGINEERS
 52 Wheeler Road
 Sugar Grove, Illinois 60554
 P: 630.466.6700 - W: www.eeiweb.com

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2324	09-00017-00-RS	KANE	11	2
CONTRACT NO. 63295				

GENERAL NOTES AND CONSTRUCTION SPECIFICATIONS

- THE CONTRACTOR SHALL OBTAIN, ERECT, MAINTAIN AND REMOVE ALL SIGNS, BARRICADES, FLAGGERS AND OTHER TRAFFIC CONTROL DEVICES AS MAY BE NECESSARY FOR THE PURPOSE OF REGULATING, WARNING OR GUIDING TRAFFIC. PLACEMENT AND MAINTENANCE OF ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE APPLICABLE PARTS OF ARTICLE 107.14 OF THE STANDARD SPECIFICATIONS AND THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.
- LOCATION OF UTILITIES SHOWN ON PLANS ARE APPROXIMATE ONLY, AND ARE NOT NECESSARILY COMPLETE. CONTRACTOR SHALL MAKE HIS OWN INVESTIGATIONS AS TO LOCATION OF ALL EXISTING UNDERGROUND STRUCTURES, CABLES AND PIPE LINES.
- ALL ELEVATIONS ARE BASED ON U.S.G.S. DATUM.
- ALL ROAD SIGNS, STREET SIGNS AND TRAFFIC SIGNS THAT NEED TO BE RELOCATED OR MOVED DUE TO CONSTRUCTION SHALL BE TAKEN DOWN AND STORED BY THE CONTRACTOR EXCEPT THOSE THAT ARE NECESSARY FOR PROPER TRAFFIC CONTROL AND SHALL BE TEMPORARILY RESET UNTIL COMPLETION OF CONSTRUCTION OPERATIONS. AFTER COMPLETION OF THE WORK, THE CONTRACTOR SHALL RESET ALL SAID SIGNS. THE WORK SHALL BE INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS, AND SHALL NOT BE PAID FOR SEPARATELY.
- ARTICLE 105.06 OF THE STANDARD SPECIFICATIONS REQUIRES THE CONTRACTOR TO HAVE A COMPETENT SUPERINTENDENT ON THE PROJECT SITE AT ALL TIMES, IRRESPECTIVE OF THE AMOUNT OF WORK SUBLET. THE SUPERINTENDENT SHALL BE CAPABLE OF READING AND UNDERSTANDING THE PLANS AND SPECIFICATIONS, SHALL HAVE FULL AUTHORITY TO EXECUTE ORDERS TO EXPEDITE THE PROJECT, SHALL BE RESPONSIBLE FOR SCHEDULING AND HAVE CONTROL OF ALL WORK AS THE AGENT OF THE CONTRACTOR. FAILURE TO COMPLY WITH THIS PROVISION WILL RESULT IN A SUSPENSION OF WORK AS PROVIDED IN ARTICLE 108.08.
- ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST STANDARD OF THE DEPARTMENT AS SHOWN ON THE PLANS.
- 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.
- THE UNIT PRICE FOR ALL REMOVAL PAY ITEMS SHALL INCLUDE ALL REQUIRED SAW CUTS.
- ALL WORK PERFORMED RELATIVE TO THIS IMPROVEMENT SHALL COMPLY WITH ALL APPLICABLE RULES AND REGULATIONS OF O.S.H.A.
- CONTRACTOR SHALL PROVIDE AND INSTALL TWO WEIGHTED SAND BAGS ON EACH TYPE I OR TYPE II BARRICADE USED. (ONE WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL) THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT THE COST SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE FOR THE CONSTRUCTION ITEMS INVOLVED AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- MIXTURE FOR CRACKS, JOINTS AND FLANGEWAYS: AN ESTIMATED QUANTITY BASED ON FIELD OBSERVATION HAS BEEN INCLUDED IN THE CONTRACT. THE LOCATION AND LIMITS OF ALL JOINT OR CRACK FILLING SHALL BE DETERMINED BY THE ENGINEER AT THE TIME OF CONSTRUCTION. IF THE MIXTURE FOR CRACKS, JOINTS AND FLANGEWAYS IS NOT REQUIRED, THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
- BEFORE STARTING EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED)
- 10 FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB & GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS & GUTTERS 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 UTILITY COMPANIES AND THE VILLAGE OF HAMPSHIRE.
- WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES (40 MM) WHERE THE SPEED LIMIT IS 45 MPH (80 KM/H) OR LESS AND 1 INCH (25 MM) WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH (80 KM/H). WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 MM) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE THE RESURFACING MEETS EXISTING PAVEMENT) IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

- WHENEVER, DURING CONSTRUCTION OPERATIONS LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT PAY ITEMS.
- EXISTING PUBLIC AND PRIVATE UTILITIES ARE SHOWN ON THE PLANS ACCORDING TO INFORMATION OBTAINED FROM UTILITY COMPANIES, MUNICIPALITIES, AND SURVEYS. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE LOCATION OF ALL UTILITIES AND STRUCTURES THAT MAY BE FOUND IN THE VICINITY OF THE CONSTRUCTION. HE WILL ALSO ASSUME RESPONSIBILITY FOR ALL UTILITIES WHETHER SHOWN OR NOT, AND MUST REALIZE THAT THE ACTUAL LOCATIONS AND/OR ELEVATIONS OF THE UTILITIES MAY BE DIFFERENT THAN INDICATED.

SHOULD ANY DAMAGES OCCUR DUE TO THE CONTRACTOR'S NEGLIGENCE, THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL MAKE REPAIRS IN A MANNER ACCEPTABLE TO THE ENGINEER. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES OF HIS CONSTRUCTION SCHEDULE AND COORDINATE CONSTRUCTION OPERATIONS WITH THE UTILITY COMPANIES SO THAT RELOCATION OF UTILITY LINES AND STRUCTURES MAY PROCEED IN AN ORDERLY MANNER.
- DURING CONSTRUCTION, IF THE CONTRACTOR ENCOUNTERS OR OTHERWISE BECOMES AWARE OF ANY SEWER, UNDERDRAINS OR FIELD DRAINS WITHIN THE RIGHT-OF-WAY OTHER THAN THOSE SHOWN ON THE PLANS, HE SHALL INFORM THE ENGINEER WHO SHALL DIRECT THE WORK NECESSARY TO MAINTAIN OR TO REPLACE THE FACILITIES IN SERVICE AND TO PROTECT THEM FROM DAMAGE DURING CONSTRUCTION IF TO BE MAINTAINED. EXISTING FACILITIES TO BE MAINTAINED THAT ARE DAMAGED BECAUSE OF NON-COMPLIANCE WITH THIS PROVISION SHALL BE REPLACED AT THE CONTRACTOR'S OWN EXPENSE.
- STATE STREET SHALL REMAIN OPEN TO TRAFFIC AT ALL TIMES. WHEN NECESSARY TO CLOSE ONE LANE OF STATE STREET DUE TO CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF ONE-WAY TRAFFIC DURING CONSTRUCTION HOURS WITH THE USE OF SIGNS AND FLAGMEN AS SHOWN ON THE TRAFFIC CONTROL STANDARDS. TWO LANES OF TRAFFIC SHALL BE MAINTAINED AT ALL OTHER TIMES WHEN NON-CROSSING WORK OR NO CONSTRUCTION ACTIVITIES ARE BEING CARRIED ON. ACCESS TO ALL ADJOINING PROPERTIES SHALL BE MAINTAINED AT ALL TIMES. ANY TEMPORARY ACCESS CLOSURES SHALL BE COORDINATED WITH THE AFFECTED PROPERTY OWNER.

INDEX OF SHEETS

SHEET NO.	SHEET DESCRIPTION
1.	COVER SHEET AND LOCATION MAP
2.	GENERAL NOTES, STATE STANDARDS, AND INDEX OF SHEETS
3.	SUMMARY OF QUANTITIES
4.	TYPICAL EXISTING CROSS SECTIONS AND REMOVAL WORK
5.	TYPICAL PROPOSED CROSS SECTIONS
6.	SCHEDULE OF QUANTITIES
7.	TERMINI AND INTERSECTION DETAILS
DISTRICT ONE CADD DETAILS	
8.	(TC-10) TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
9.	(TC-13) DISTRICT ONE - TYPICAL PAVEMENT MARKINGS
10.	(BD-24) CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
11.	(BD-32) BUTT JOINT AND HMA TAPER DETAILS

LEGEND

EXISTING	DESCRIPTION	PROPOSED
	SANITARY SEWER	
	STORM SEWER	
	END SECTION	
	WATER MAIN & SIZE	
	WATER SERVICE & BOX	
	CONTOUR	
	GAS MAIN	
	TELEPHONE CABLE	
	MANHOLE	
	CATCH BASIN	
	INLET	
	HYDRANT	
	VALVE VAULT	
	TREE	
	ELEVATION	
	STREET LIGHT	
	SIGNS	
	FOUND IRON PIPE	
	GUY WIRE	
	FLAG POLE	
	UTILITY POLE	
	UTILITY PEDESTAL	
	HANDHOLE	
	SIGNAL POST OR MAST ARM	
	CONTROLLER	
	HANDHOLE	

STATE STANDARDS

STD. NO.	DESCRIPTION
000001-05	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
424001-05	CURB RAMPS FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701501-05	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701801-04	LANE CLOSURE MULTILANE, 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS

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VILLAGE OF HAMPSHIRE
 KANE COUNTY, ILLINOIS

NO.	DATE	REVISIONS

STATE STREET
LAPP IMPROVEMENTS

GENERAL NOTES, STATE
STANDARDS, INDEX OF
SHEETS, AND LEGEND

DATE:	MAY 2009
PROJECT NO:	HA0871
FILE:	HA0871-CVR
SHEET	2 OF 11

Path: \\SASR001\HA0871\DWG\DWG_FINAL\ENG\HA0871-CVR

P.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2324	09-00017-00-RS	KANE	11	3
CONTRACT NO. 63295				

SUMMARY OF QUANTITIES

CODE NO.	PAY ITEM	UNIT	CONST. CODE 1000 TOTAL QUANTITY
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	11,322
40600300	AGGREGATE (PRIME COAT)	TON	55
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS	TON	60
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	1,270
40600895	CONSTRUCTING TEST STRIP	EACH	1
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	410
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	2,540
42400800	DETECTABLE WARNINGS	SQ FT	312
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	22,643
44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	337
44004610	SIDEWALK REMOVAL AND REPLACEMENT (SPECIAL)	SQ FT	4,156
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	10,530
60255500	MANHOLES TO BE ADJUSTED	EACH	18
60255700	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	1
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	15
60266600	VALVE BOXES TO BE ADJUSTED	EACH	21
67100100	MOBILIZATION	L SUM	1
70101800	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	300
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	3,568
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	100
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	213.8
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	10,439
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	3,524
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	158
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	133
X0321556	SANITARY MANHOLES TO BE ADJUSTED	EACH	11
X0321558	SANITARY MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	7
XX003435	PORTLAND CEMENT CONCRETE DRIVEWAY REMOVAL AND REPLACEMENT	SQ YD	70
XX006425	RESTORATION	SQ YD	155
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1

* INDICATES SPECIALTY ITEMS

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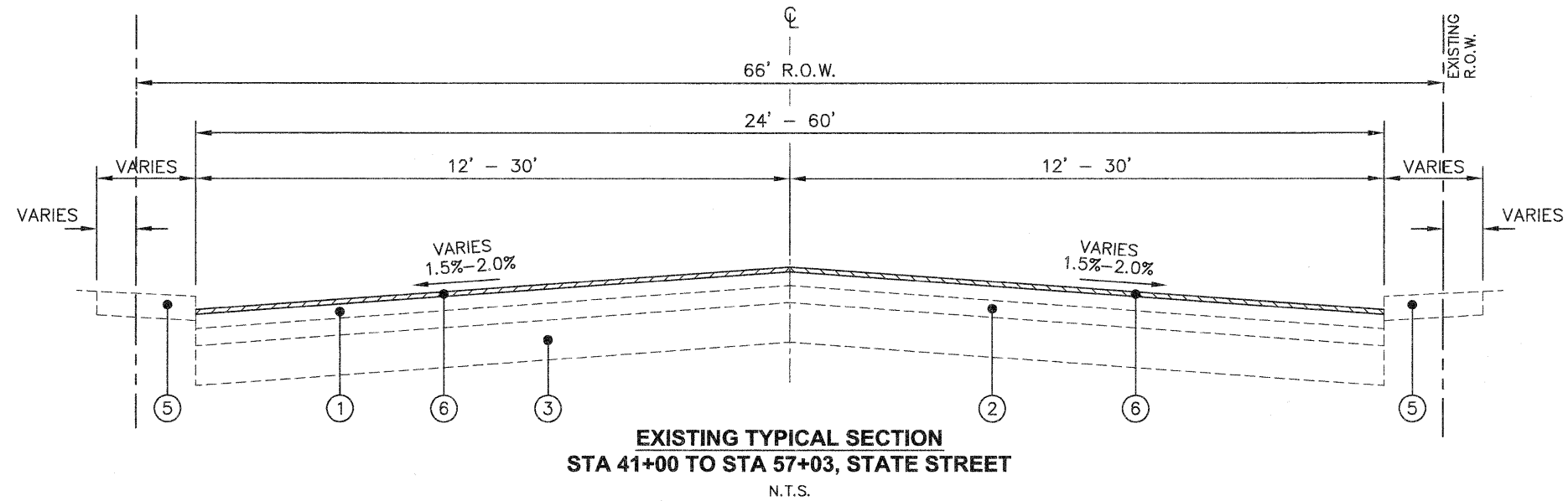
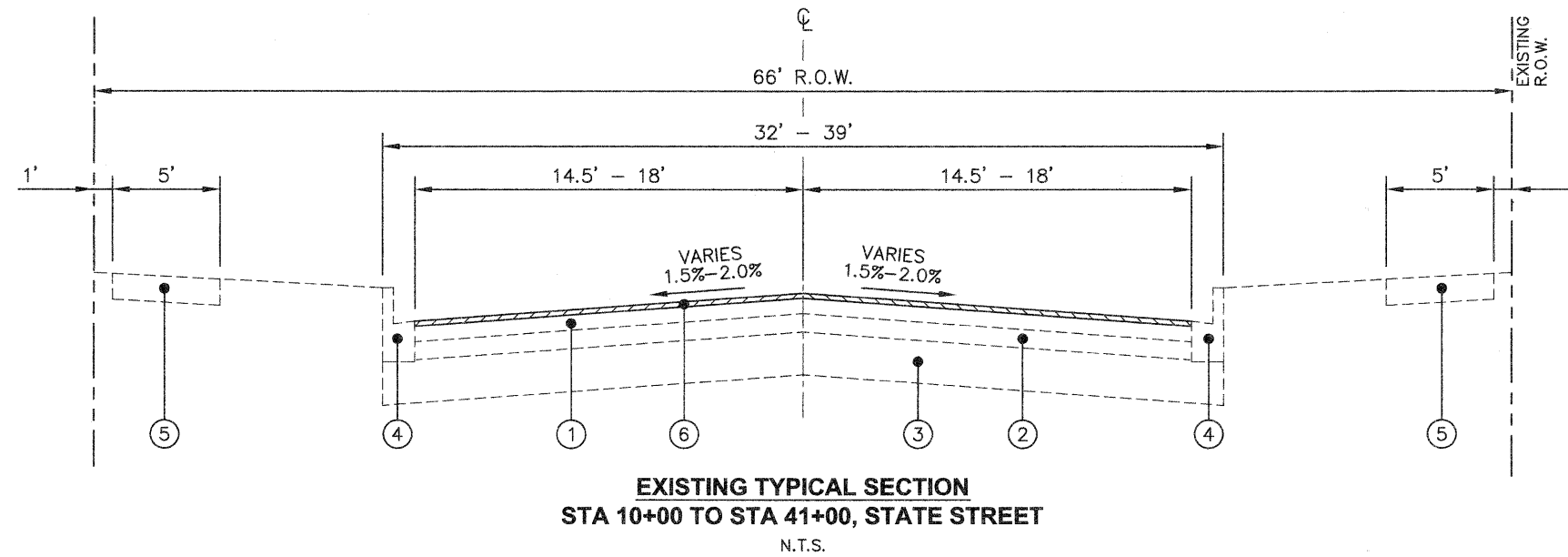
VILLAGE OF HAMPSHIRE
KANE COUNTY, ILLINOIS

NO.	DATE	REVISIONS

STATE STREET
LAPP IMPROVEMENTS

SUMMARY OF QUANTITIES

DATE:	MAY 2009
PROJECT NO:	HA0871
FILE:	HA0871-CVR
SHEET	3 OF 11



LEGEND	
①	EXISTING ASPHALT PAVEMENT, 3"-16.75"
②	EXISTING CONCRETE PAVEMENT, 0"-7.25"
③	EXISTING AGGREGATE CASE, 0"-18.75"
④	EXISTING B-6.12 COMBINATION CURB AND GUTTER
⑤	EXISTING PORTLAND CEMENT CONCRETE SIDEWALK, 5"
⑥	HOT-MIX ASPHALT SURFACE REMOVAL, 3"
⑦	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2.0"
⑧	LEVELING BINDER (MACHINE METHOD), N50, 1.0"
⑨	BITUMINOUS MATERIALS (PRIME COAT) AND AGGREGATE (PRIME COAT)
⑩	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (AT VARIOUS LOCATIONS)
⑪	PORTLAND CEMENT CONCRETE SIDEWALK REMOVAL AND REPLACEMENT (AT VARIOUS LOCATIONS)

OBSERVED PAVEMENT THICKNESS								
CORE NO.	1	2	3	4	5	6	7	8
ASPHALT THICKNESS (IN)	7.25	10.25	16.75	13.25	3.00	4.75	4.50	8.25
CONCRETE THICKNESS (IN)	7.00	0	0	0	7.25	0	0	0
AGGREGATE THICKNESS (IN)	0	5.75	9.25	18.75	0	0	0	8.00
APPROXIMATE STATION	10+85	17+42	23+94	30+56	37+13	43+70	50+27	56+84
APPROXIMATE OFFSET	8' RT	8' LT	8' RT	8' LT	8' RT	8' LT	8' RT	8' LT

AVERAGE ASPHALT THICKNESS = 8.50"
AVERAGE CONCRETE THICKNESS = 7.13"
AVERAGE AGGREGATE THICKNESS = 1.69"

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VILLAGE OF HAMPSHIRE
KANE COUNTY, ILLINOIS

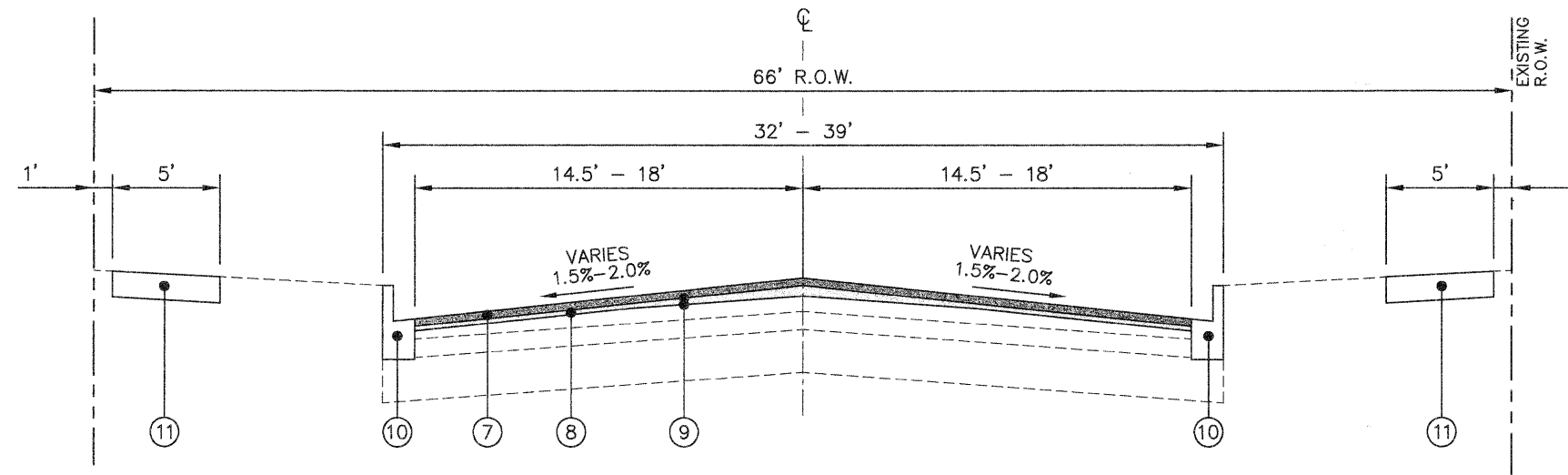
NO.	DATE	REVISIONS

STATE STREET
LAPP IMPROVEMENTS

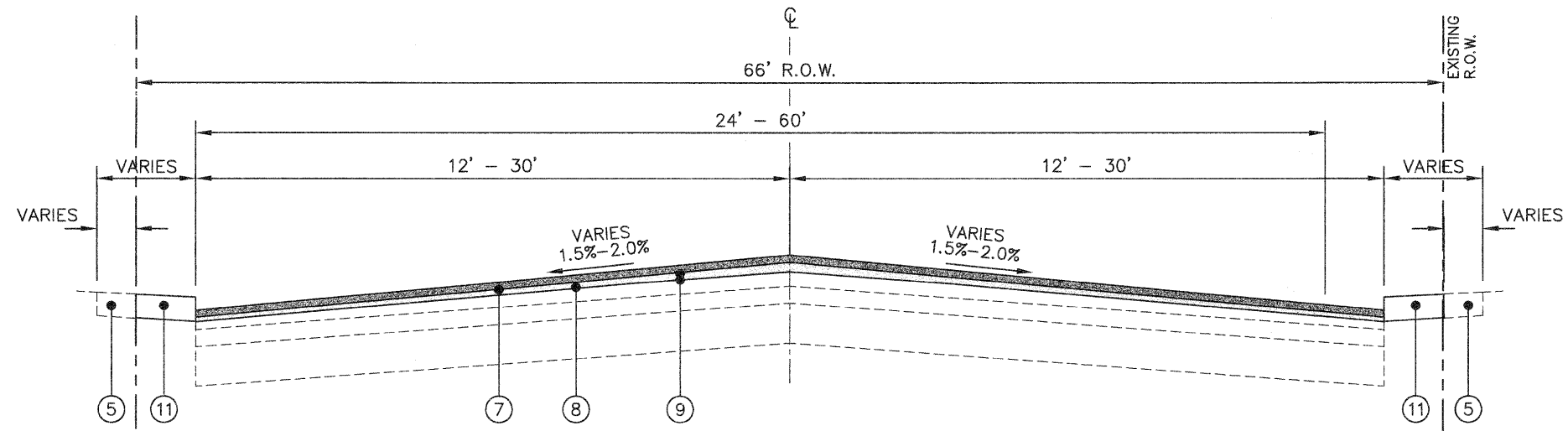
TYPICAL EXISTING
CROSS SECTIONS
AND REMOVAL WORK

DATE:	MAY 2009
PROJECT NO:	HA0871
FILE:	HA0871-CVR
SHEET	4 OF 11

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**PROPOSED TYPICAL SECTION
STA 10+00 TO STA 41+00, STATE STREET**
N.T.S.



**PROPOSED TYPICAL SECTION
STA 41+00 TO STA 57+03, STATE STREET**
N.T.S.

LEGEND

- | | |
|--|---|
| ① EXISTING ASPHALT PAVEMENT, 3"-16.75" | ⑦ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2.0" |
| ② EXISTING CONCRETE PAVEMENT, 0"-7.25" | ⑧ LEVELING BINDER (MACHINE METHOD), N50, 1.0" |
| ③ EXISTING AGGREGATE CASE, 0"-18.75" | ⑨ BITUMINOUS MATERIALS (PRIME COAT) AND AGGREGATE (PRIME COAT) |
| ④ EXISTING B-6.12 COMBINATION CURB AND GUTTER | ⑩ COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (AT VARIOUS LOCATIONS) |
| ⑤ EXISTING PORTLAND CEMENT CONCRETE SIDEWALK, 5" | ⑪ PORTLAND CEMENT CONCRETE SIDEWALK REMOVAL AND REPLACEMENT (AT VARIOUS LOCATIONS) |
| ⑥ HOT-MIX ASPHALT SURFACE REMOVAL, 3" | |

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndes
LEVELING BINDER (MACHINE METHOD), N50, 1.0" (IL-9.5mm)	4% @ 50 Gyr.
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2.0" (IL-9.5mm)	4% @ 50 Gyr.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
FOR "AC TYPE" AND "PERCENT RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

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VILLAGE OF HAMPSHIRE
KANE COUNTY, ILLINOIS

NO.	DATE	REVISIONS

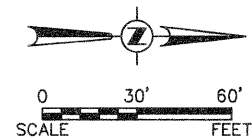
STATE STREET
LAPP IMPROVEMENTS

TYPICAL PROPOSED
CROSS SECTIONS

DATE:	MAY 2009
PROJECT NO:	HA0871
FILE:	HA0871-CVR
SHEET	5 OF 11

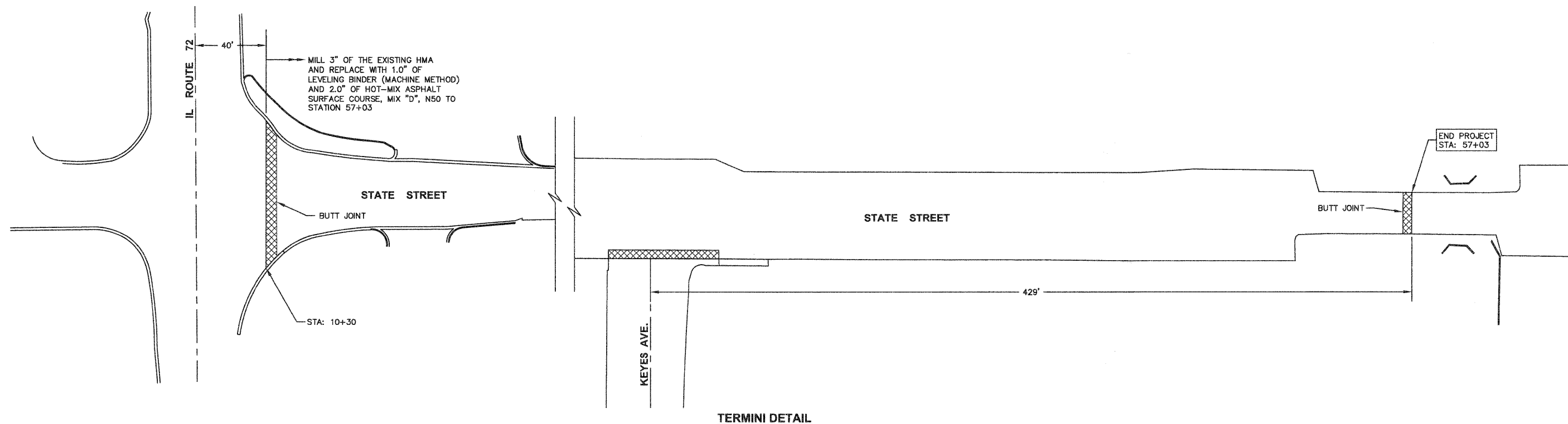
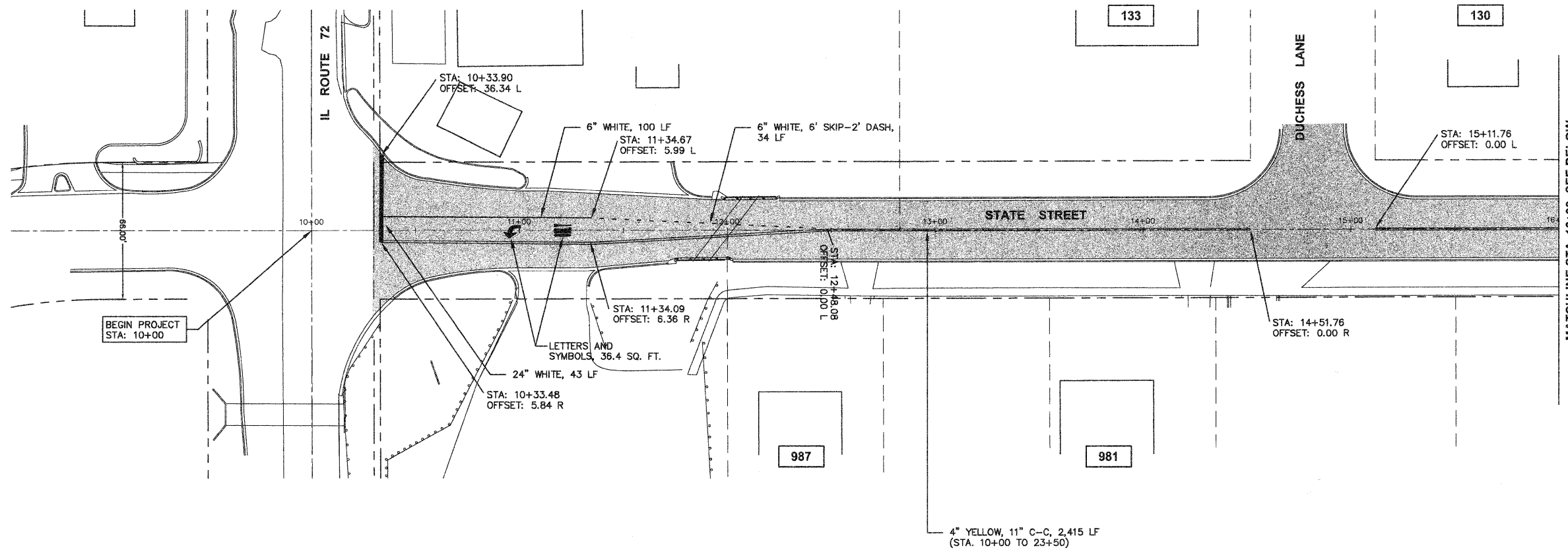
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2324	09-00017-00-RS	KANE	11	7
CONTRACT NO. 63296				



- 123 PROPERTY ADDRESS
- RESURFACING
- BUTT JOINT

NOTES:
 1. ALL PAVEMENT MARKINGS ARE TO BE THERMOPLASTIC.



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VILLAGE OF HAMPSHIRE
 KANE COUNTY, ILLINOIS

NO.	DATE	REVISIONS

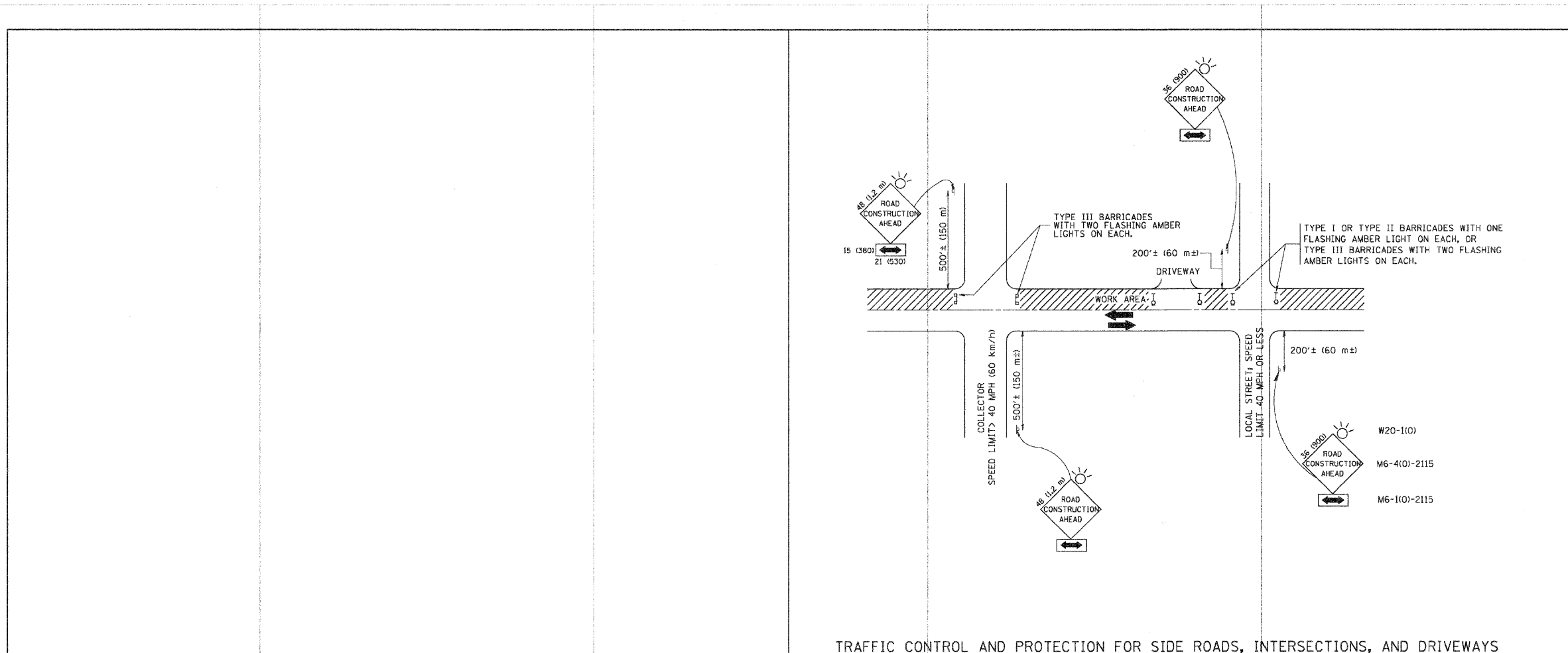
STATE STREET
LAPP IMPROVEMENTS

TERMINI AND INTERSECTION
DETAILS

DATE:	JULY 2009
PROJECT NO:	HA0871
FILE:	HA0871-INTER
SHEET	7 OF 11

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P.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2324	09-00017-00-RS	KANE	11	8
CONTRACT NO. 63295				



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 DRIVEWAYS:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701506 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:\dras\stdf\22x34\1.tcl8.dgn	USER NAME = gag1ernobts	DESIGNED - LHA	REVISIONS
		DRAWN - A. HOUSEH	REVISIONS
		CHECKED - A. HOUSEH	REVISIONS
		DATE - 06-89	REVISIONS
			REVISIONS

**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.

P.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-10			
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

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**VILLAGE OF HAMPSHIRE
KANE COUNTY, ILLINOIS**

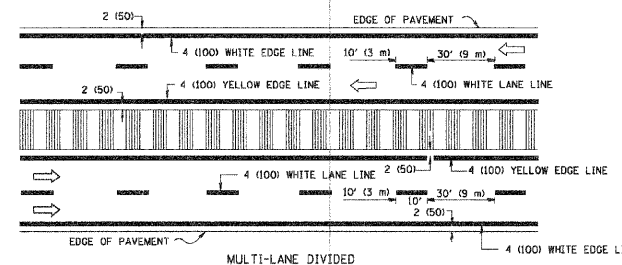
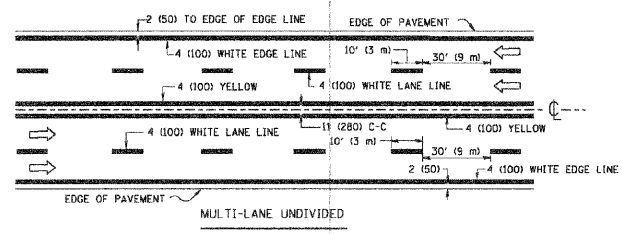
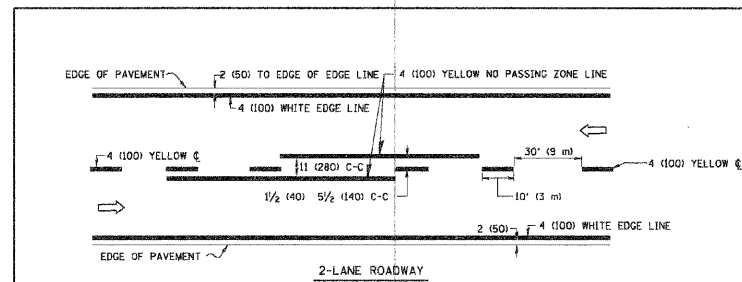
NO.	DATE	REVISIONS

**STATE STREET
LAPP IMPROVEMENTS**

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

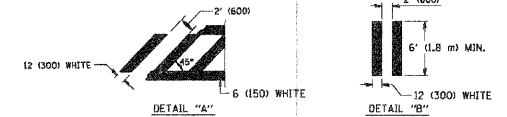
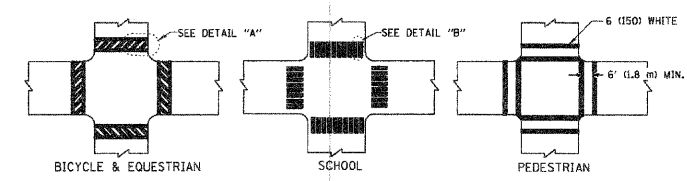
DATE: MAY 2009
PROJECT NO: HA0871
FILE: HA0871-CVR
SHEET **8** OF **11**

Point: USKSPROJ\HA0871\DWG\TIN\ENG\HA0871-CVR

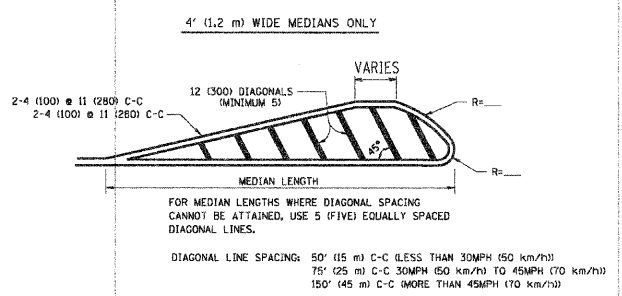
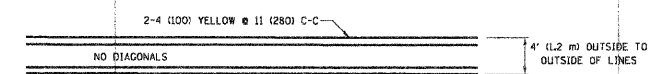


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE.

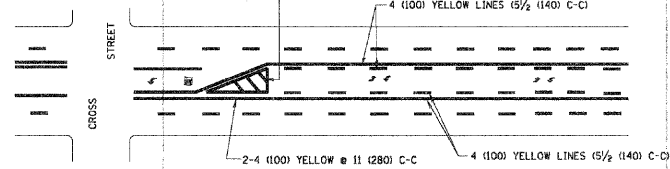
TYPICAL LANE AND EDGE LINE MARKING



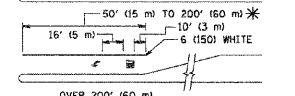
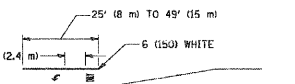
TYPICAL CROSSWALK MARKING



TYPICAL PAINTED MEDIAN MARKING



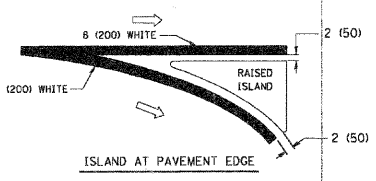
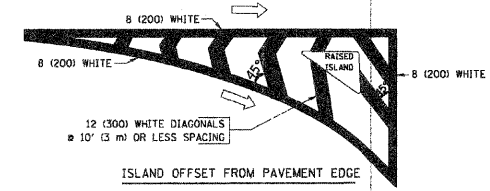
TYPICAL TURN LANE MARKING



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

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)	4 (100)	SKIP-DASH	WHITE	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.
CORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (22.5 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 =	USER NAME =	DESIGNED -	REVISED -
W:\dvs\std\22x34\1c13.dgn	gagl1emobts	EVERS	-T, RAMMACHER 10-27-94
		DRAWN -	REVISED -
			-A, HOUSEH 10-09-96
		CHECKED -	REVISED -
		-A, HOUSEH 10-17-96	
		DATE -	REVISED -
		03-19-90	-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.
	TC-13			
CONTRACT NO.				
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

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VILLAGE OF HAMPSHIRE
KANE COUNTY, ILLINOIS

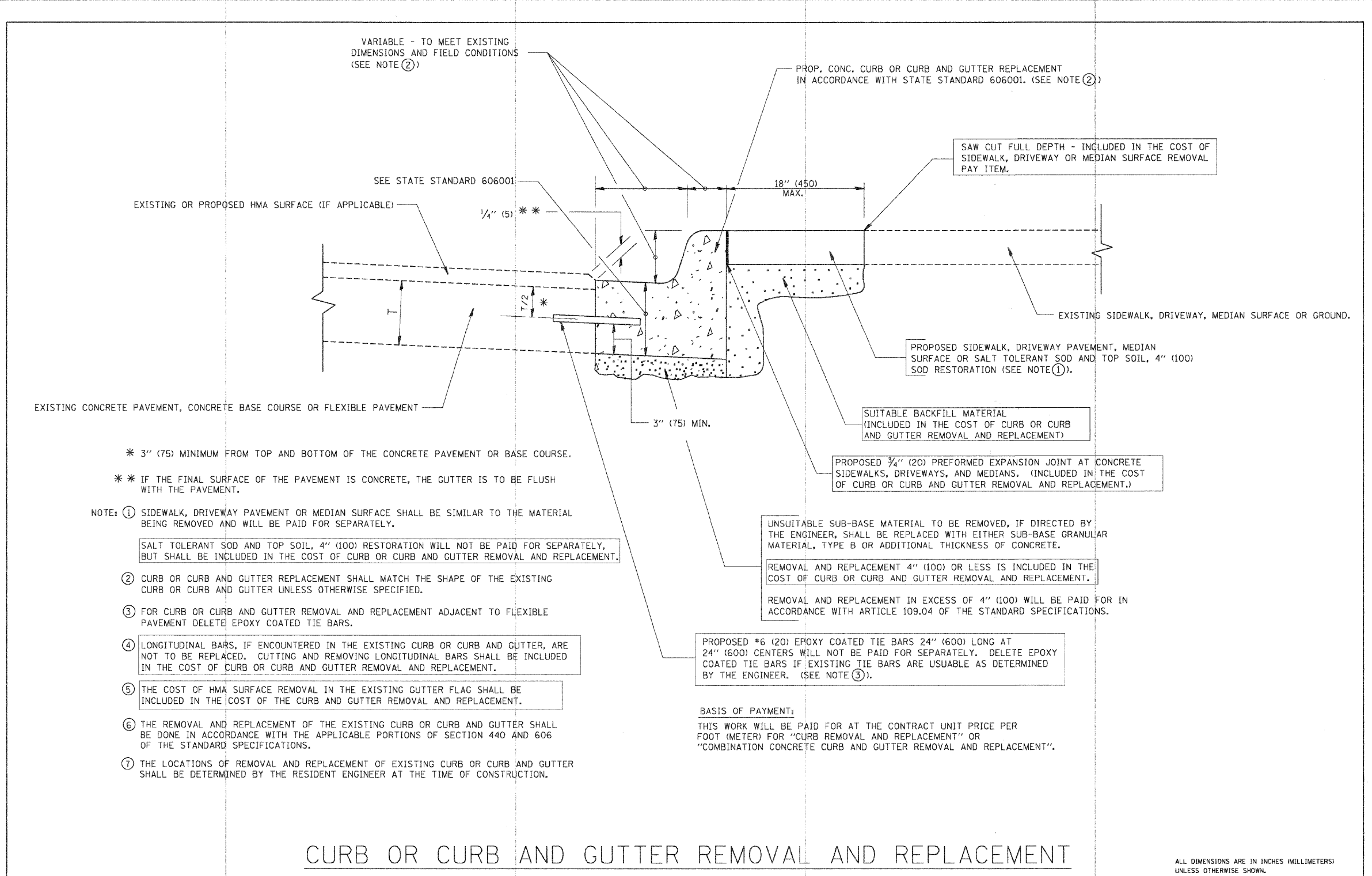
NO.	DATE	REVISIONS

STATE STREET
LAPP IMPROVEMENTS

DISTRICT ONE -
TYPICAL PAVEMENT MARKINGS

DATE:	MAY 2009
PROJECT NO:	HA0871
FILE:	HA0871-CVR
SHEET	9 OF 11

FOURTH FLOOR, 1100 N. WASHINGTON ST., CHICAGO, IL 60610



- * 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 ⑤).

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:\diststd\22x34\bd24.dgn	USER NAME = gng\lambt	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. RTE. =	SECTION =	COUNTY =	TOTAL SHEETS =	SHEET NO. =
		DRAWN -	REVISED - A. ABBAS 03-21-97							
		CHECKED -	REVISED - M. GOMEZ 01-22-01							
		DATE - 03-11-94	REVISED - R. BORO 01-01-07							
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.						BD600-06 (BD-24) CONTRACT NO. FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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VILLAGE OF HAMPSHIRE
KANE COUNTY, ILLINOIS

NO.	DATE	REVISIONS

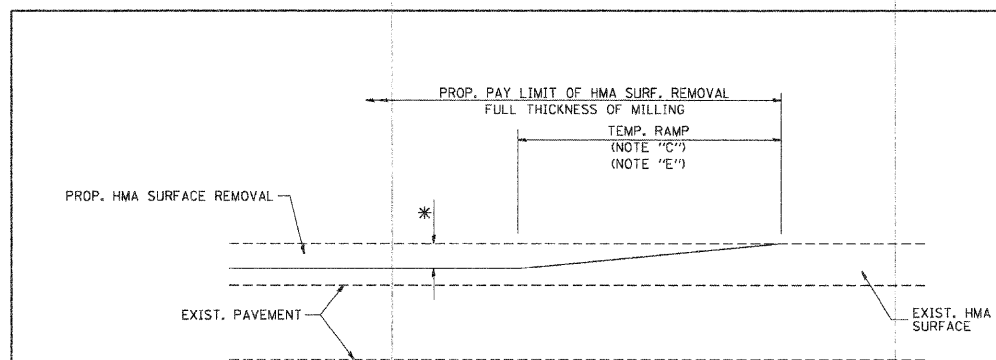
**STATE STREET
LAPP IMPROVEMENTS**

**CURB OR CURB AND GUTTER
REMOVAL AND REPLACEMENT**

DATE: MAY 2009
PROJECT NO: HA0871
FILE: HA0871-CVR
SHEET **10** OF **11**

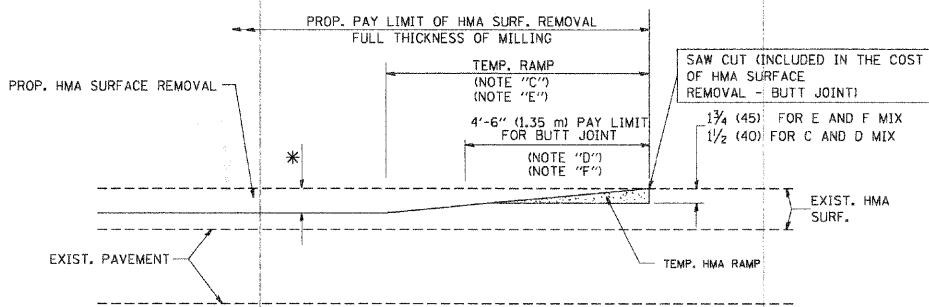
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2324	09-00017-00-B5	KANE	11	11
CONTRACT NO. 63295				



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

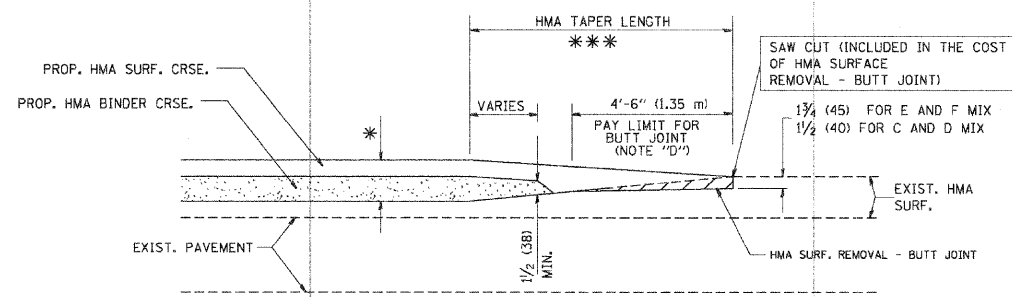
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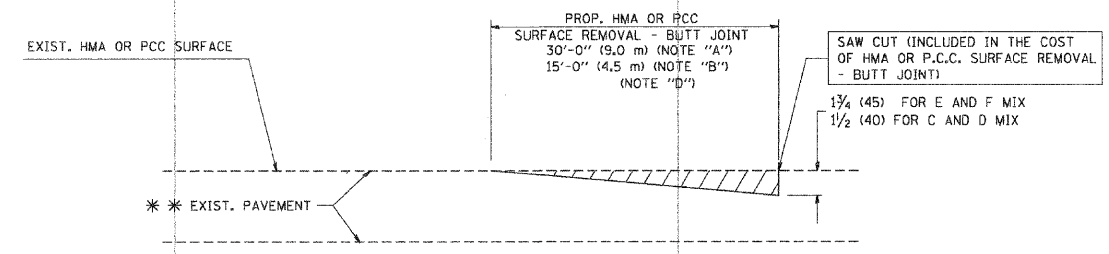
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

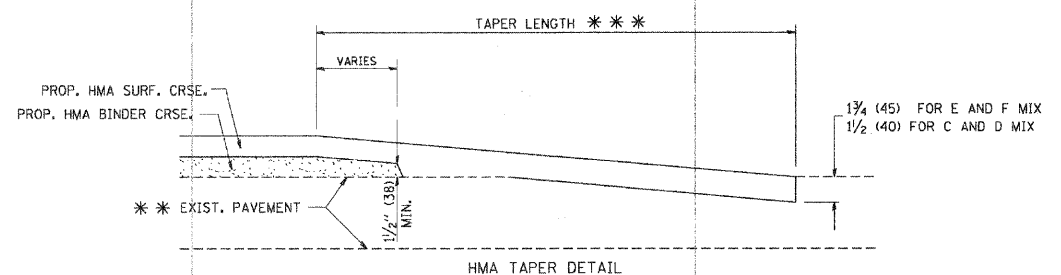
TYPICAL TEMPORARY RAMP



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 METERS) 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 = N:\s1\stand\22x34\bd32.dgn	USER NAME = gqglanobst	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.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			BD400-05	BD32	KANE	11	11
			CONTRACT NO. 63295				
			FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

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VILLAGE OF HAMPSHIRE
KANE COUNTY, ILLINOIS

NO.	DATE	REVISIONS

**STATE STREET
LAPP IMPROVEMENTS**

**BUTT JOINT AND
HMA TAPER DETAILS**

DATE:	MAY 2009
PROJECT NO.:	HA0871
FILE:	HA0871-CVR
SHEET	11 OF 11