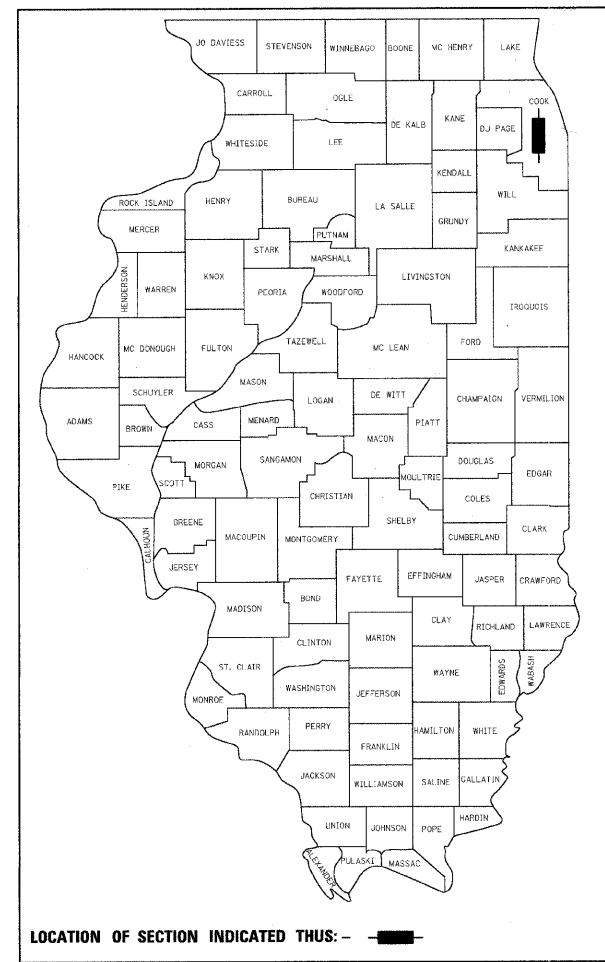


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1678	07-00064-00-RS	COOK	17	1

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT  
**CONTRACT NO. 63009**



**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**  
**PLANS FOR PROPOSED**  
**FEDERAL AID HIGHWAY**  
**LEMOYNE STREET**  
**FROM WOLF ROAD TO 43rd AVENUE**  
**Section No.: 07-00064-00-RS**  
**LEMOYNE STREET RESURFACING**  
**Project No.: M-8003 (914)**  
**CITY OF NORTHLAKE**  
**COOK COUNTY**  
**JOB NO.: C-91-130-08**

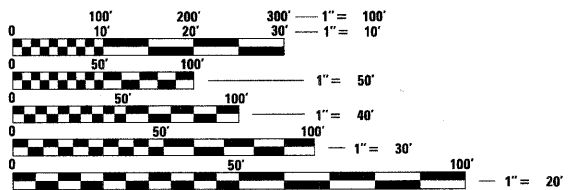
**INDEX OF SHEETS**

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	GENERAL NOTES AND IDOT STANDARDS
3	SUMMARY OF QUANTITIES
4	TYPICAL SECTIONS
5 - 9	PROPOSED PLAN - LEMOYNE STREET
10	PROPOSED PLAN - DODD AVENUE
11	PROPOSED PLAN - HAROLD AVENUE
12	DETOUR PLAN
13	CONSTRUCTION DETAILS
14	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
15	BUTT JOINT AND HMA TAPER DETAILS
16	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
17	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

**CHRISTOPHER B. BURKE** ENGINEERING LTD.  
 9575 West Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500

**MARILYN SOLOMON**  
 FIELD ENGINEER  
 201 W. CENTER COURT  
 SCHAUMBURG, ILLINOIS 60196-1096  
 (847) 705-4407

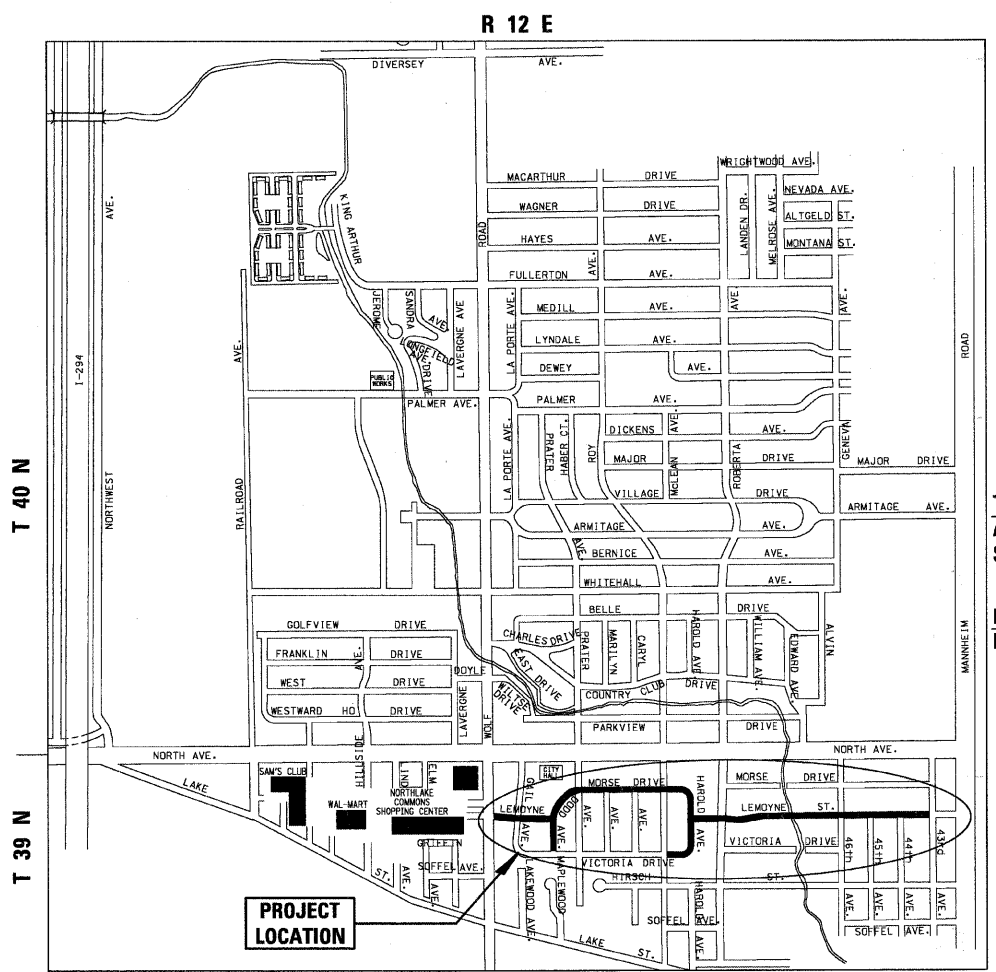
**THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION/DIRECTION AND MEANS/METHODS OF CONSTRUCTION.**



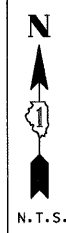
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

**J.U.L.I.E.**  
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
 1-800-892-0123

**CONTRACT NO. 63009**



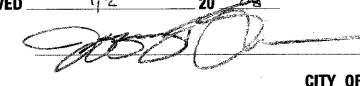
**LOCATION MAP - PROVISO TOWNSHIP**  
 GROSS LENGTH OF PROJECT = 6,422 LINEAL FEET (1.22 MI.)  
 NET LENGTH OF PROJECT = 6,422 LINEAL FEET (1.22 MI.)

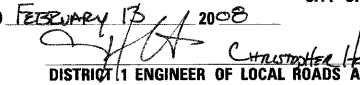


**TRAFFIC DATA**  
 ADT (YEAR) = 600 (2006)  
 SPEED LIMIT = 25 MPH

**DESIGN DESIGNATION**  
 RESIDENTIAL COLLECTOR STREET

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


APPROVED 1/2 2008  
  
 MAYOR  
 CITY OF NORTHLAKE

PASSED FEBRUARY 13 2008  
  
 DISTRICT ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR  
 BID BASED ON  
 LIMITED REVIEW FEBRUARY 13, 2008

Diana M. O'Keefe  
 DEPUTY DIRECTOR OF HIGHWAYS  
 REGION ONE ENGINEER



12/31 2007  
  
**JASON G. SOUDEN**  
 ILLINOIS REGISTRATION No. 062-050850 ENGINEER  
 EXPIRATION DATE: 11/30/09

**GENERAL NOTES**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1678	07-00064-00-RS	COOK	17	2
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

**CONTRACT NO. 63009**

**SPECIFICATIONS, STANDARDS AND SPECIAL PROVISIONS**

ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2007; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2008; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", IMUTCD, "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" MAY 1996 FIFTH EDITION, THE "DETAILS" IN THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS.

**UTILITIES**

THE CONTRACTOR SHALL COOPERATE WITH THE CITY IN ANY UNDERGROUND UTILITY CONSTRUCTION WHICH THE CITY MAY WANT TO PLACE DURING THE CONTRACTOR'S OPERATIONS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL EXISTING FACILITIES 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 FOR IN THE STANDARD SPECIFICATIONS.

THE LOCATIONS OF EXISTING DRAINAGE STRUCTURES, STORM AND SANITARY SEWERS, WATER SERVICE LINES AND OTHER UTILITY LINES ARE APPROXIMATE, AND THE CITY DOES NOT GUARANTEE THEIR ACCURACY. THEIR EXACT HORIZONTAL AND VERTICAL LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR AT HIS OWN EXPENSE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER OR THE CITY. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.

COORDINATION OF ALL UTILITY WORK INVOLVED IN THE CONSTRUCTION AREA WILL BE DISCUSSED AT THE PRECONSTRUCTION CONFERENCE.

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS AND CABLE TELEVISION FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED.)

**STAKING**

THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS OR PROPERTY OR REFERENCE MARKERS UNTIL THE CITY, HIS AGENT OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.

ALL RADII FOR PROPOSED CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED, AND SHALL BE AS INDICATED ON THE PLANS, ELEVATIONS SHOWN AT POINT OF CURVE, ETC. IS EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

**WATER, STORM SEWER AND SANITARY SEWER**

WHENEVER DURING CONSTRUCTION OPERATIONS ANY 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 UTILITY STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCIDENTAL TO THE CONTRACT.

ANY EXISTING OR PROPOSED STORM SEWER DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER.

THE CONTRACTOR SHALL NOT OPEN OR SHUT ANY WATER VALVES OR FIRE HYDRANTS WITHOUT PRIOR AUTHORIZATION FROM THE CITY WATER DEPARTMENT. UNAUTHORIZED USE SHALL SUBJECT THE OFFENDER TO ARREST AND PROSECUTION.

**MISCELLANEOUS**

ACCESS: THE CONTRACTOR SHALL PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT, EXCEPT FOR PERIODS OF SHORT DURATION. THE COST TO PROVIDE ACCESS SHALL BE PAID FOR AND INCLUDED IN THE ITEM AGGREGATE FOR TEMPORARY ACCESS.

DIMENSIONS: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.

ALL SAWCUTTING SHALL BE INCIDENTAL TO REMOVAL ITEMS AND SHALL BE PERFORMED PRIOR TO BEGINNING REMOVAL. ANY ITEMS OF WORK REMOVED PRIOR TO SAWCUTTING WILL NOT BE MEASURED FOR PAYMENT.

COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT, DRIVEWAY PAVEMENT REMOVAL, PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH, PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH AND 7 INCH, AND CLASS C AND D PATCHES 6" (SPECIAL) ARE NOT SHOWN ON THE PLANS BUT WILL BE DETERMINED BY THE ENGINEER IN THE FIELD AND WILL NOT EXCEED THE PLAN QUANTITY.

THE THICKNESSES OF HOT-MIX ASPHALT MIXTURES SHOWN IN THE PLANS ARE NOMINAL. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE SURFACES OR BASIS ON WHICH THEY ARE TO BE PLACED. PLAN THICKNESSES SHOULD BE CONSIDERED THE MINIMUM THICKNESS PERMITTED.

DETECTABLE WARNINGS MEETING ADA REQUIREMENTS SHALL BE INSTALLED AT ALL INTERSECTING STREETS, COMMERCIAL DRIVEWAYS, AND ALLEYS AS DIRECTED BY THE ENGINEER (SEE IDOT STD. 424001-05 INCLUDED IN THE SPECIFICATIONS). CONTRACTOR SHALL VERIFY THAT ALL SLOPES MEET ADA REQUIREMENTS PRIOR TO INSTALLING DETECTABLE WARNINGS.

PAVEMENT GRADES: THE ELEVATIONS INDICATED ON THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT OR SURFACE COURSE, UNLESS OTHERWISE INDICATED.

RELOCATING EXISTING SIGNS: EXISTING SIGNS WHICH ARE IN CONFLICT WITH PROPOSED IMPROVEMENTS SHALL BE REMOVED AND REINSTALLED UPON COMPLETION OF CONFLICTING IMPROVEMENTS IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" AND THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION". STOP SIGNS, SPEED LIMIT SIGNS, AND STREET NAME SIGNS SHALL BE UP AND VISIBLE AT ALL TIMES. THIS WORK SHALL BE INCLUDED TO THE PAY ITEM TRAFFIC CONTROL AND PROTECTION.

MAILBOXES WHICH ARE IN CONFLICT WITH PROPOSED IMPROVEMENTS SHALL BE REMOVED, TEMPORARILY RELOCATED, AND REPLACED UPON COMPLETION OF THE PROPOSED IMPROVEMENTS AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCLUDED TO THE PAY ITEM TRAFFIC CONTROL AND PROTECTION.

PROPOSED CONCRETE CURB AND GUTTER SHALL BE TRANSITIONED TO EXISTING CURB AND GUTTER OVER A LENGTH OF 5 FEET. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT.

ALL UNDERGROUND, DRIVEWAY, CONCRETE, AND LANDSCAPE RESTORATION WORK IS TO BE COMPLETED BEFORE THE SURFACE COURSE IS INSTALLED.

**HIGHWAY STANDARDS**

000001-05	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
424001-05	CURB RAMPS FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
602011	CATCH BASIN TYPE C
604001-02	FRAME AND LIDS TYPE 1
606001-03	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701301-02	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701501-04	URBAN LANE CLOSURE, 2L, 2W UNDIVIDED
701801-03	LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901	TRAFFIC CONTROL DEVICES
780001-01	TYPICAL PAVEMENT MARKINGS
886001	DETECTOR LOOP INSTALLATIONS
BLR 17-3	TRAFFIC CONTROL DEVICES - DAY LABOR CONSTRUCTION
BLR 18-4	TRAFFIC CONTROL DEVICES - DAY LABOR MAINTENANCE

DATE	BY	REVISIONS

CHRISTOPHER B. BURKE ENGINEERING LTD.  
 9575 West Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500



DATE	BY	REVISIONS

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION  GENERAL NOTES AND IDOT STANDARDS  CITY OF NORTHLAKE LEMOYNE SREET  SCALE N.T.S. DRAWN BY EDT DATE 12/27/2007 CHECKED BY MW
NAME	DATE	

P.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1678	07-00064-00-RS	COOK	17	3
STA.	---	TO STA.	---	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

**CONTRACT NO. 63009**

**SUMMARY OF QUANTITIES**

LOCATION OF WORK				STP - LAPP		
				LEMOYNE ST. 80% FED. 20% LOCAL	DODD AVE. 100% LOCAL	HAROLD AVE. 100% LOCAL
FUNDING SOURCE				STP	LOCAL	LOCAL
SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE		
ITEM #	ITEM	UNIT	TOTAL QUANTITIES	1000-2A	1000-2A	1000-2A
28000510	INLET FILTERS	EACH	71	66	0	5
31101100	SUB-BASE GRANULAR MATERIAL, TYPE B	CU YD	50	30	10	10
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	350	250	50	50
35800200	AGGREGATE BASE REPAIR	TON	50	50	0	0
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	300	200	50	50
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GAL	2255	1945	110	200
40600300	AGGREGATE (PRIME COAT)	TON	48	40	3	5
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	2265	1955	110	200
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	305	240	30	35
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	1945	1675	100	170
42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	SQ YD	100	50	25	25
42400200	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	SQ FT	3500	2500	500	500
42400400	PORTLAND CEMENT CONCRETE SIDEWALK, 7 INCH	SQ FT	1000	600	200	200
42400800	DETECTABLE WARNINGS	SQ FT	104	64	20	20
44000162	HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4"	SQ YD	21460	18540	1045	1875
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	450	300	75	75
44000600	SIDEWALK REMOVAL	SQ FT	4500	3100	700	700
44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	3800	3350	200	250
44300100	AREA REFLECTIVE CRACK CONTROL TREATMENT	SQ YD	21460	18540	1045	1875
58100200	WATERPROOFING MEMBRANE SYSTEM	SQ YD	210	210	0	0
60206905	CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID	EACH	6	6	0	0
60250400	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	19	17	0	2
60250500	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	3	3	0	0
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	1	1	0	0
60266800	VALVE BOXES TO BE REPLACED	EACH	1	1	0	0
67100100	MOBILIZATION	L. SUM	1	1	0	0
70102550	TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR	EACH	1	1	0	0
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L. SUM	1	1	0	0
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L. SUM	1	1	0	0
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L. SUM	1	1	0	0
*78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2255	2125	65	65
*78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	575	575	0	0
*78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	465	435	15	15
*88600600	DETECTOR LOOP REPLACEMENT	FOOT	212	212	0	0
X0323426	SEDIMENT CONTROL, DRAINAGE STRUCTURE INLET FILTER CLEANING	EACH	71	66	0	5
XX006392	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	585	445	50	90
Z0013798	CONSTRUCTION LAYOUT	L. SUM	1	1	0	0
Z0018100	DRAINAGE STRUCTURE ADJUSTMENT (SPECIAL)	EACH	14	13	0	1
Z0018400	DRAINAGE STRUCTURES TO BE ADJUSTED	EACH	29	27	0	2
Z0018700	DRAINAGE STRUCTURES TO BE REMOVED	EACH	8	8	0	0
XX006940	CLASS C PATCHES, 6" (SPECIAL)	SQ YD	585	445	50	90

\* INDICATES SPECIALTY ITEM

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 ALLOWED: \_\_\_\_\_  
 PLAN NO.: \_\_\_\_\_

CHRISTOPHER B. BURKE ENGINEERING LTD.  
 9575 West Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500



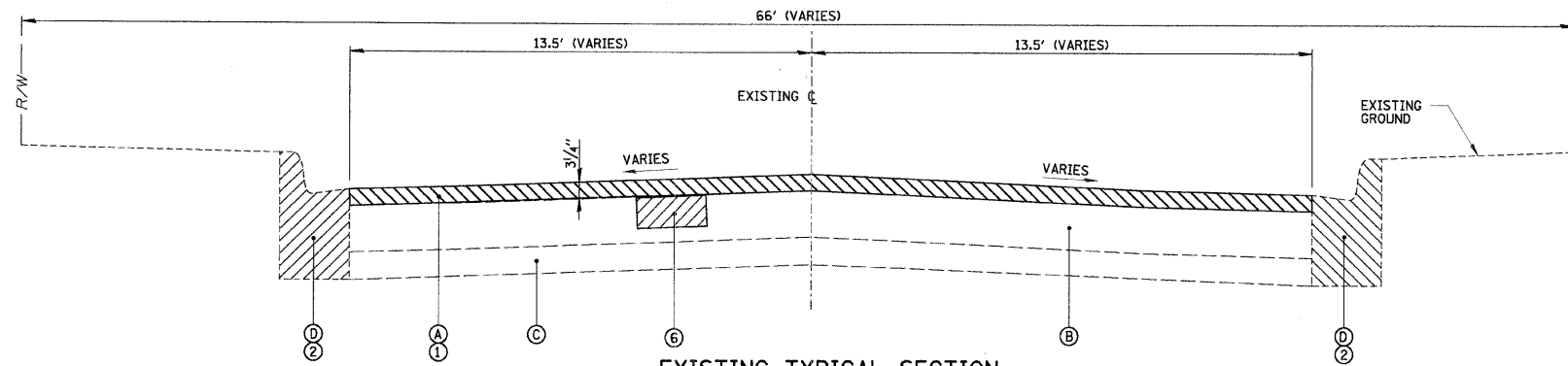
DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 ALLOWED: \_\_\_\_\_  
 PROFILE NO.: \_\_\_\_\_

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 SUMMARY OF QUANTITIES  
 CITY OF NORTHLAKE  
 LEMOYNE SREET  
 SCALE N.T.S.  
 DATE 1/2/2008  
 DRAWN BY EDT  
 CHECKED BY MW

P.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1678	07-00064-00-RS	COOK	17	4
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

**CONTRACT NO. 63009**

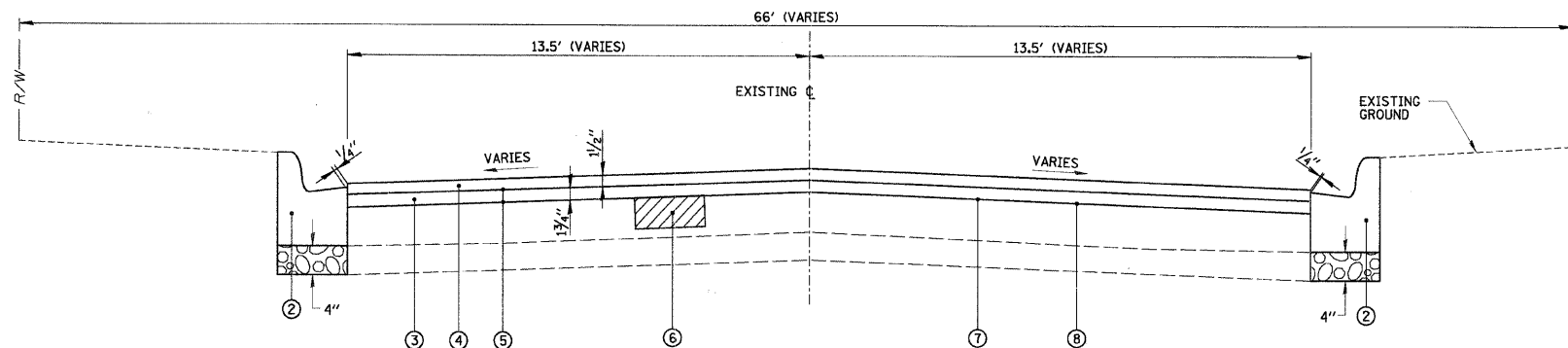


**EXISTING TYPICAL SECTION**

NOT TO SCALE  
**LEMOYNE STREET**  
 STA. 10+49.06 TO STA. 64+98.99  
**DODD AVENUE**  
 STA. 70+11.90 TO STA. 73+44.76  
**HAROLD AVENUE**  
 STA. 81+13.63 TO STA. 86+87.00

**LEGEND**

- (A) EXISTING ASPHALT PAVEMENT (+/- 2.4" TO 7.9")
- (B) EXISTING P. C. C. BASE (+/- 4" TO 7")
- (C) EXISTING AGGREGATE BASE (+/- 0" TO 7")
- (D) EXISTING COMBINATION CURB AND GUTTER; TYPE M-3.12
- (1) HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4"
- (2) COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (AS DIRECTED BY ENGINEER) (SEE DETAIL SHEET 14)
- (3) LEVELING BINDER (MACHINE METHOD), N50 - 1-3/4" MIN.
- (4) HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 - 1 1/2"
- (5) BITUMINOUS MATERIALS (PRIME COAT)
- (6) CLASS C OR D PATCHES, 6" (SPECIAL)
- (7) AGGREGATE (PRIME COAT)
- (8) AREA REFLECTIVE CRACK CONTROL TREATMENT



**PROPOSED TYPICAL SECTION**

NOT TO SCALE  
**LEMOYNE STREET**  
 STA. 10+49.06 TO STA. 64+98.99  
**DODD AVENUE**  
 STA. 70+11.90 TO STA. 73+44.76  
**HAROLD AVENUE**  
 STA. 81+13.63 TO STA. 86+87.00

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

ITEM	AC-TYPE	VOIDS
<b>ROADWAYS</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", 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
CLASS D PATCHES, (HMA BINDER IL-19 MM) 6" (SPECIAL)	PG 64-22*	4% @ 70 GYR
<b>DRIVEWAYS</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL-9.5 MM)	PG 64-22	4% @ 50 GYR

**NOTE:**

1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SY/IN.
2. \*WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.

BY: \_\_\_\_\_ DATE: \_\_\_\_\_

PLAN

SURVEYED: \_\_\_\_\_

RT. OF WAY CHECKED: \_\_\_\_\_

NOTE BOOK NO. \_\_\_\_\_

FILE NAME: \_\_\_\_\_

**CHRISTOPHER B. BURKE ENGINEERING LTD.**  
 9575 West Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500



PROFILE

SURVEYED: \_\_\_\_\_

GRADES CHECKED: \_\_\_\_\_

NOTE BOOK NO. \_\_\_\_\_

FILE NAME: \_\_\_\_\_

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		TYPICAL SECTIONS  CITY OF NORTHLAKE LEMOYNE SREET  SCALE N.T.S. DATE 12/27/2007

DRAWN BY EDT  
CHECKED BY MW

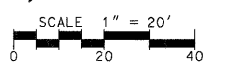
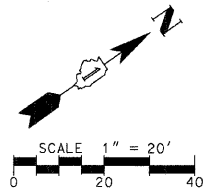
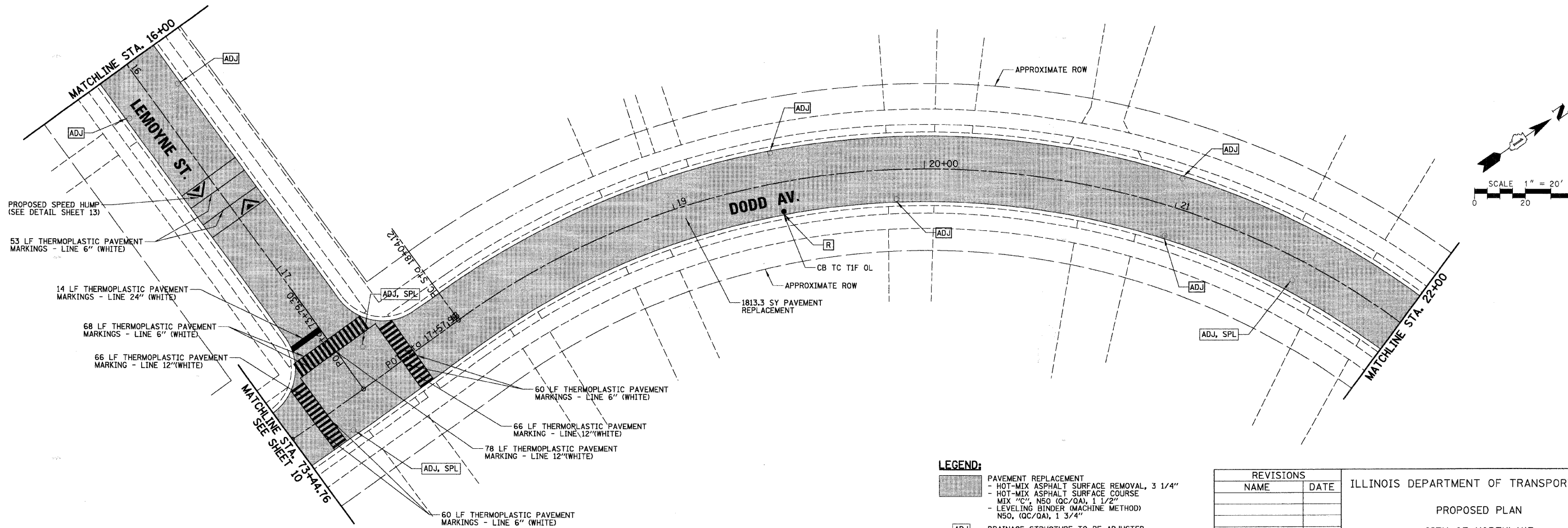
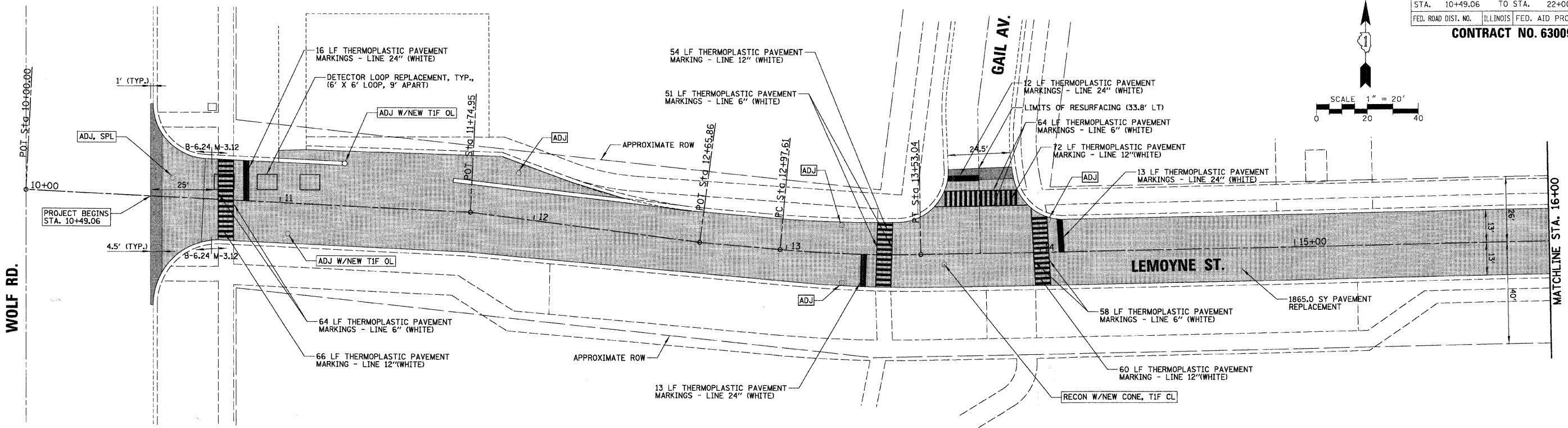
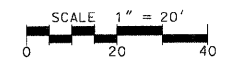
DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 ALIGNED: \_\_\_\_\_  
 R.O.F. WAY CHECKED: \_\_\_\_\_  
 ADJ. FILE NAME: \_\_\_\_\_

PLAN  
 NOTE BOOK NO. \_\_\_\_\_  
**CHRISTOPHER B. BURKE**  
 ENGINEERING LTD.  
 9575 West Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 923-0500

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 STRIPED: \_\_\_\_\_  
 GRADES CHECKED: \_\_\_\_\_  
 I.M. NOTED: \_\_\_\_\_  
 STRUCTURE NOTATIONS OK'D: \_\_\_\_\_

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1678	07-00064-00-RS	COOK	17	5
STA. 10+49.06		TO STA. 22+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

**CONTRACT NO. 63009**



- LEGEND:**
- PAVEMENT REPLACEMENT
    - HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4"
    - HOT-MIX ASPHALT SURFACE COURSE
    - MIX "C", NSO (QC/QA), 1 1/2"
    - LEVELING BINDER (MACHINE METHOD) NSO, (QC/QA), 1 3/4"
  - DRAINAGE STRUCTURE TO BE ADJUSTED
  - DRAINAGE STRUCTURE ADJUSTMENT (SPECIAL)
  - DRAINAGE STRUCTURE TO BE REMOVED
  - HMA SURFACE REMOVAL - BUTT JOINT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 PROPOSED PLAN  
 CITY OF NORTHLAKE  
 LEMOYNE SREET  
 SCALE 1" = 20'  
 DATE 1/2/2008  
 DRAWN BY EDT  
 CHECKED BY MW



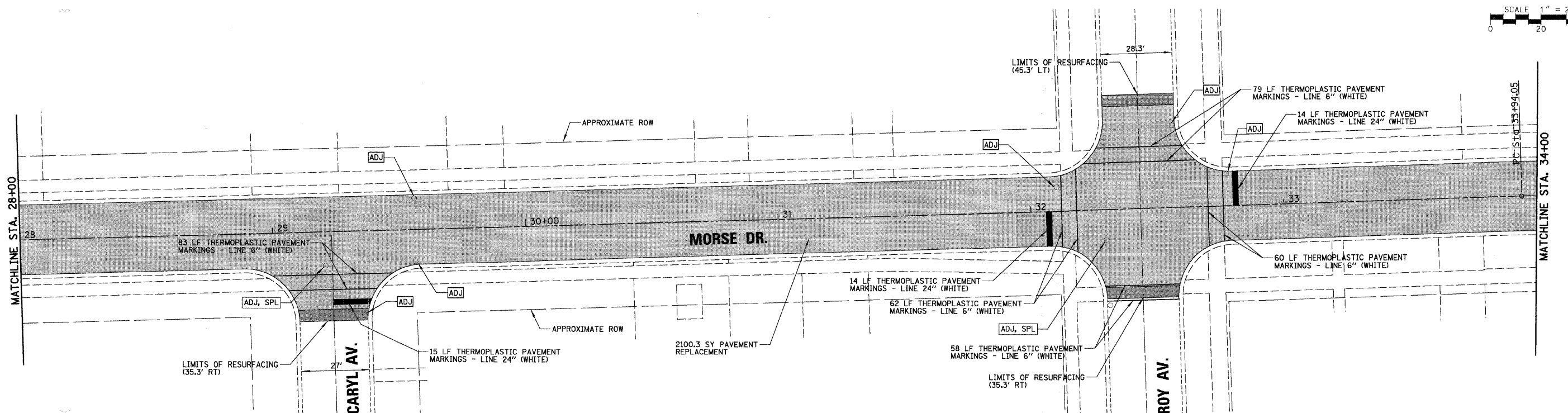
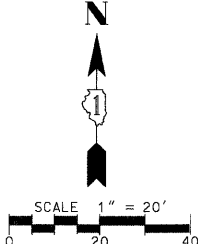
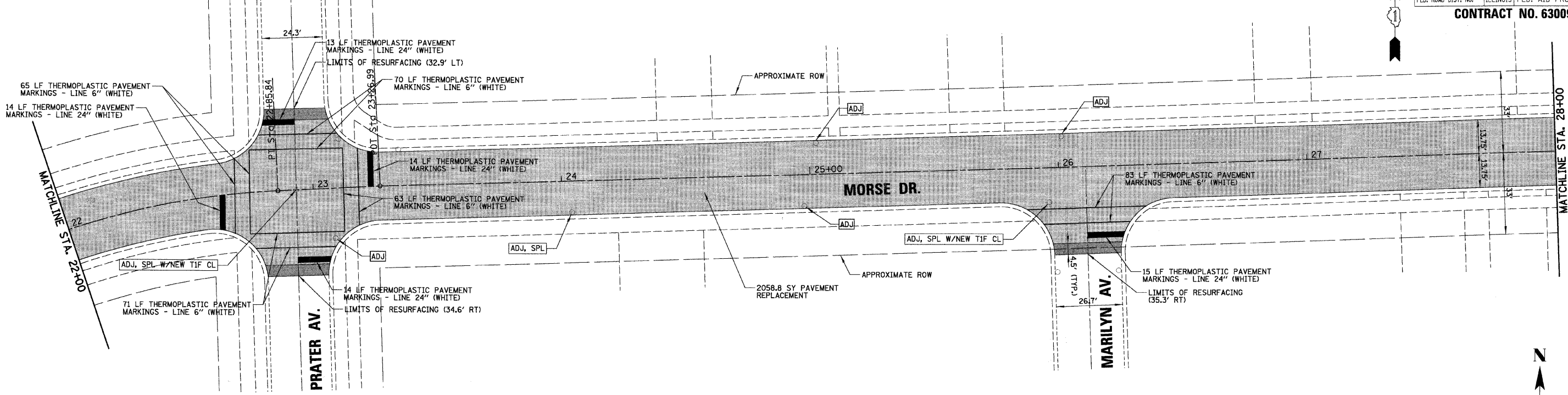
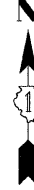
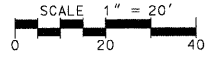
SURVEYED  
 ALIGNMENT CHECKED  
 R.T. OF WAY CHECKER  
 DATE FILE NAME  
 PLAN  
 NOTE BOOK  
 NO.

CHRISTOPHER B. BURKE  
 ENGINEERING LTD.  
 9575 West Higgins Road,  
 Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0800

DATE  
 BY  
 SURVEYED  
 GRADES CHECKED  
 B.M. NOTED  
 STRUCTURE NOTATIONS CHFD  
 PROFILE  
 NOTE BOOK  
 NO.

P.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1678	07-00064-00-RS	COOK	17	6
STA. 22+00.00		TO STA. 34+00.00		
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT

CONTRACT NO. 63009



- LEGEND:**
- PAVEMENT REPLACEMENT
  - HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4"
  - HOT-MIX ASPHALT SURFACE COURSE
  - MIX "C", NSO (QC/QA), 1 1/2"
  - LEVELING BINDER (MACHINE METHOD)
  - NSO, (QC/QA), 1 3/4"
  - DRAINAGE STRUCTURE TO BE ADJUSTED
  - DRAINAGE STRUCTURE ADJUSTMENT (SPECIAL)
  - DRAINAGE STRUCTURE TO BE REMOVED
  - HMA SURFACE REMOVAL - BUTT JOINT

REVISIONS	
NAME	DATE

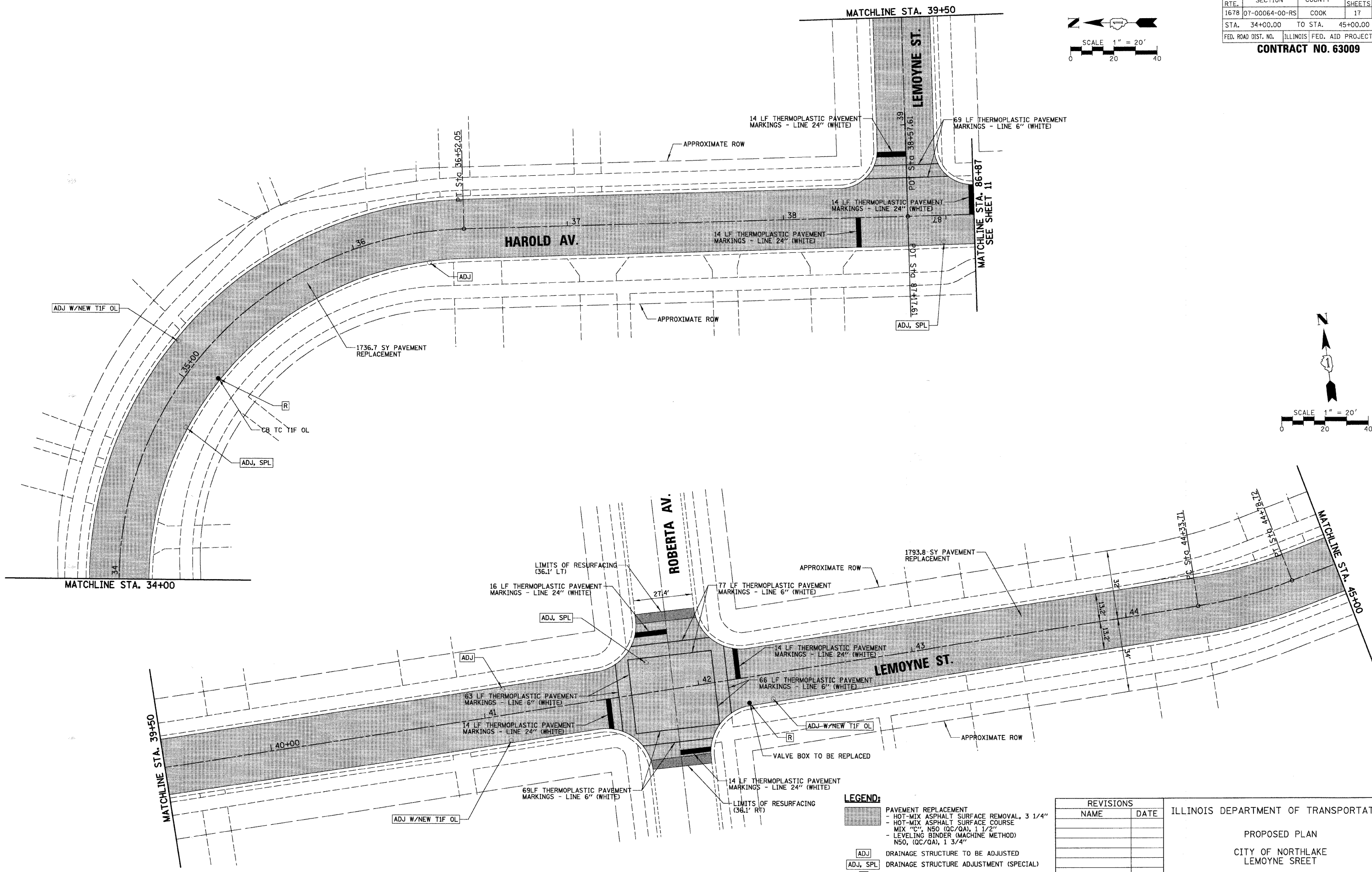
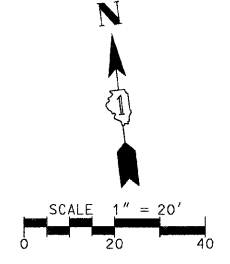
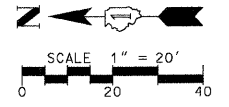
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 PROPOSED PLAN  
 CITY OF NORTHLAKE  
 LEMOYNE SREET  
 SCALE 1" = 20'  
 DATE 1/2/2008  
 DRAWN BY EDT  
 CHECKED BY MW

DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 GRADES CHECKED: \_\_\_\_\_  
 B.M. NOTED: \_\_\_\_\_  
 NO. \_\_\_\_\_  
 PROFILE: \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_  
 NO. \_\_\_\_\_

CHRISTOPHER B. BURKE ENGINEERING LTD.  
 9575 West Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500

DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 GRADES CHECKED: \_\_\_\_\_  
 B.M. NOTED: \_\_\_\_\_  
 NO. \_\_\_\_\_  
 PROFILE: \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_  
 NO. \_\_\_\_\_

P.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1678	07-00064-00-RS	COOK	17	7
STA. 34+00.00		TO STA. 45+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
<b>CONTRACT NO. 63009</b>				



- LEGEND:**
- PAVEMENT REPLACEMENT
    - HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4"
    - HOT-MIX ASPHALT SURFACE COURSE
    - MIX "C", N50 (QC/QA), 1 1/2"
    - LEVELING BINDER (MACHINE METHOD)
    - N50, (QC/QA), 1 3/4"
  - DRAINAGE STRUCTURE TO BE ADJUSTED
  - DRAINAGE STRUCTURE ADJUSTMENT (SPECIAL)
  - DRAINAGE STRUCTURE TO BE REMOVED
  - HMA SURFACE REMOVAL - BUTT JOINT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 PROPOSED PLAN  
 CITY OF NORTHLAKE  
 LEMOYNE SREET  
 SCALE 1" = 20'  
 DATE 1/2/2008  
 DRAWN BY EDT  
 CHECKED BY MW

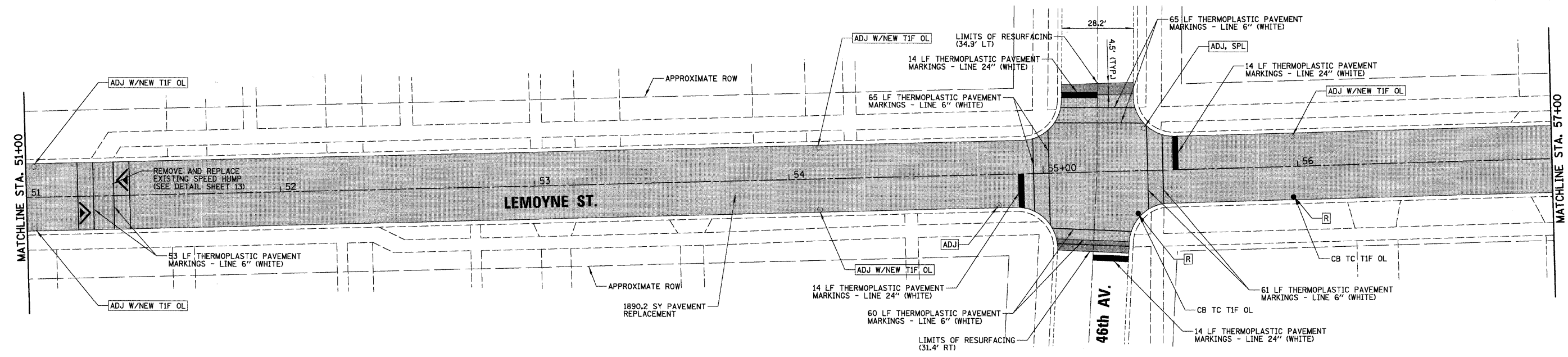
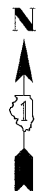
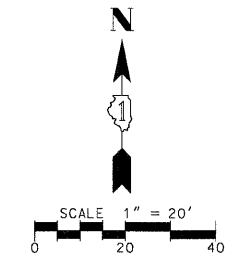
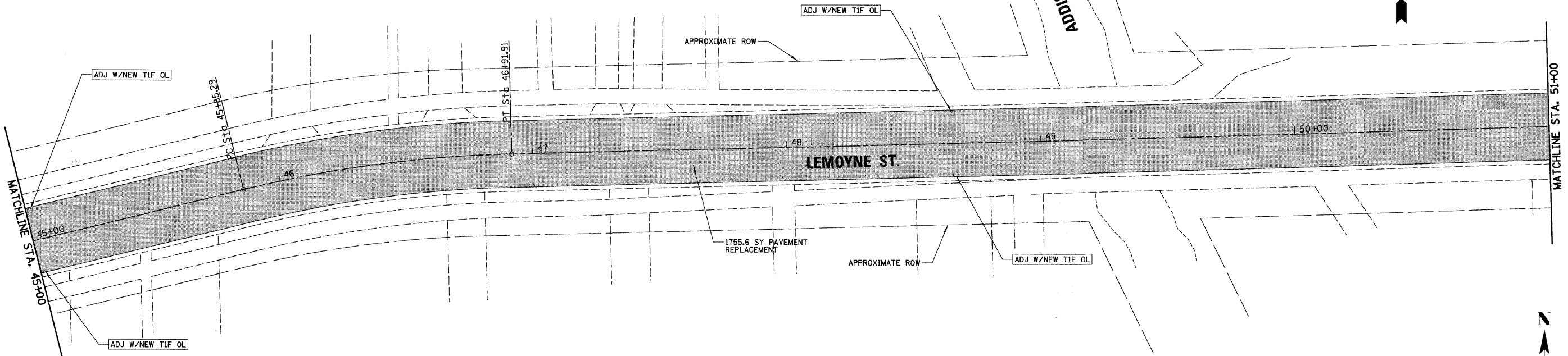
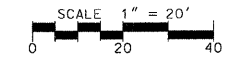
DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 PLAN: \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_  
 NO.: \_\_\_\_\_

CHRISTOPHER B. BURKE ENGINEERING LTD.  
 9575 West Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 923-0500

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 PROFILE: \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_  
 NO.: \_\_\_\_\_

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1678	07-00064-00-RS	COOK	17	8
STA. 45+00.00		TO STA. 57+00.00		
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT

CONTRACT NO. 63009



- LEGEND:**
- PAVEMENT REPLACEMENT
    - HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4"
    - HOT-MIX ASPHALT SURFACE COURSE
    - MIX "C", N50 (OC/QA), 1 1/2"
    - LEVELING BINDER (MACHINE METHOD) N50, (OC/QA), 1 3/4"
  - DRAINAGE STRUCTURE TO BE ADJUSTED
  - DRAINAGE STRUCTURE ADJUSTMENT (SPECIAL)
  - DRAINAGE STRUCTURE TO BE REMOVED
  - HMA SURFACE REMOVAL - BUTT JOINT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED PLAN  
 CITY OF NORTHLAKE  
 LEMOYNE STREET

SCALE 1" = 20'  
 DATE 1/2/2008

DRAWN BY EDT  
 CHECKED BY MW



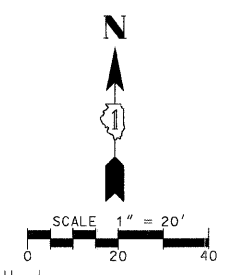
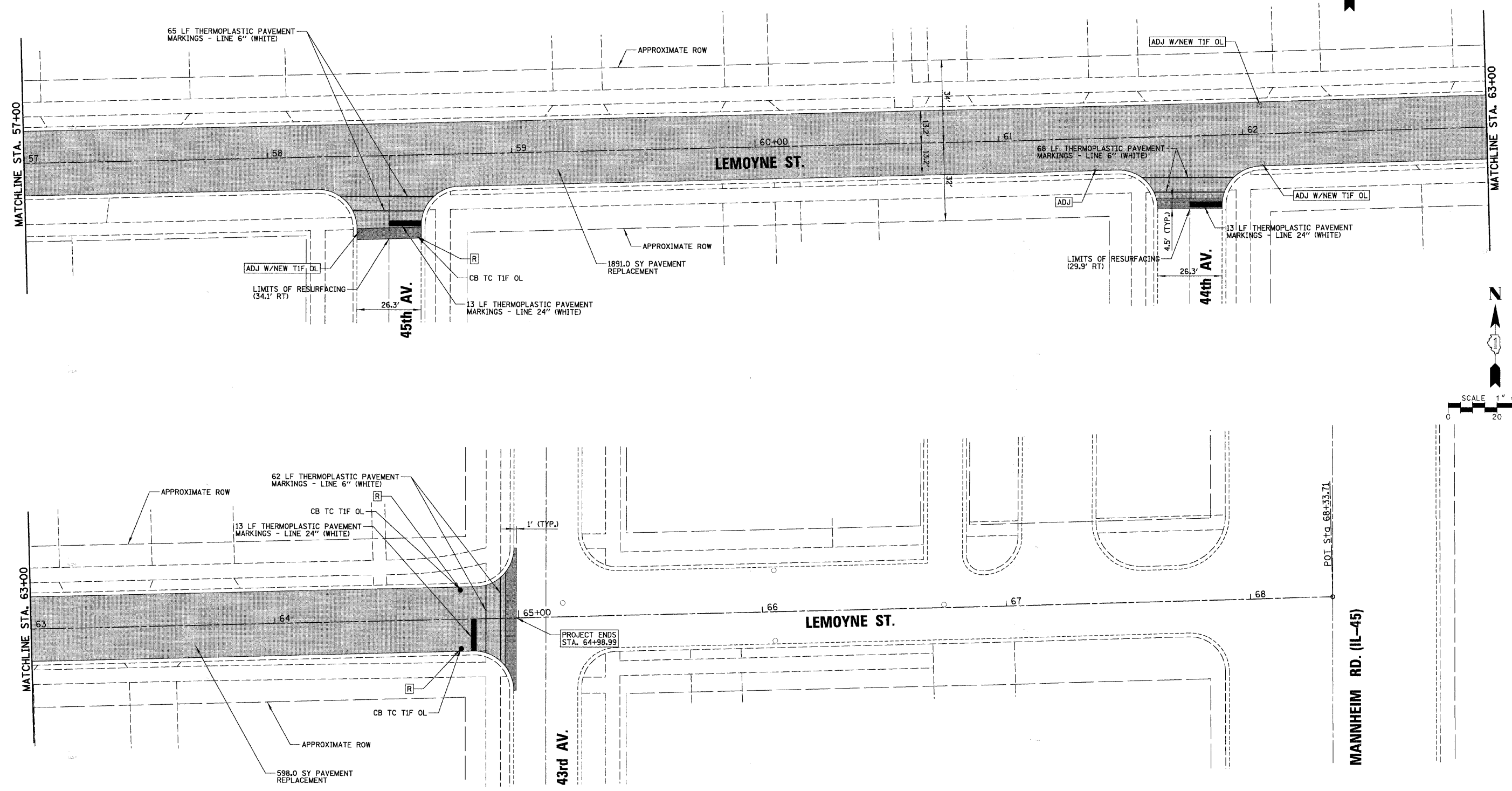
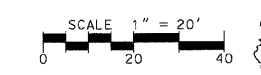
DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 PLAN: \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_  
 NO.: \_\_\_\_\_

CHRISTOPHER B. BURKE ENGINEERING LTD.  
 9575 West Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 PLAN: \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_  
 NO.: \_\_\_\_\_

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1678	07-00064-00-RS	COOK	17	9
STA. 57+00.00		TO STA. 64+98.99		
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT

CONTRACT NO. 63009



- LEGEND:**
- PAVEMENT REPLACEMENT
    - HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4"
    - HOT-MIX ASPHALT SURFACE COURSE
    - MIX "C", NSO (QC/QA), 1 1/2"
    - LEVELING BINDER (MACHINE METHOD)
    - NSO, (QC/QA), 1 3/4"
  - DRAINAGE STRUCTURE TO BE ADJUSTED
  - DRAINAGE STRUCTURE ADJUSTMENT (SPECIAL)
  - DRAINAGE STRUCTURE TO BE REMOVED
  - HMA SURFACE REMOVAL - BUTT JOINT

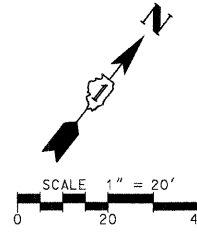
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 PROPOSED PLAN  
 CITY OF NORTHLAKE  
 LEMOYNE SREET  
 SCALE 1" = 20'  
 DATE 1/2/2008  
 DRAWN BY EDT  
 CHECKED BY MW



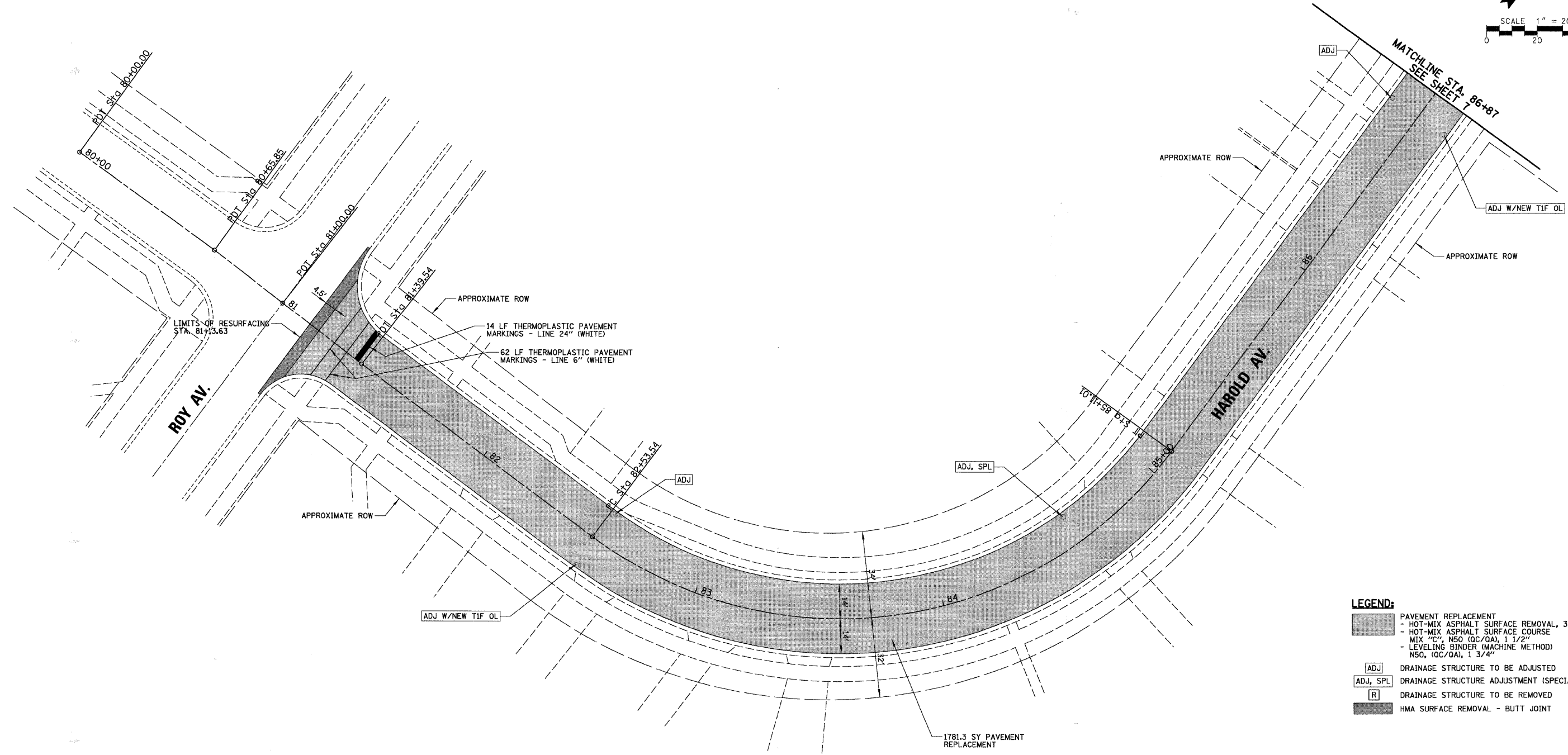
P.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1678	07-00064-00-RS	COOK	17	11
STA.	81+13.63	TO STA.	86+87.00	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

**CONTRACT NO. 63009**



DATE	BY	DATE	BY
DATE	BY	DATE	BY

**CHRISTOPHER B. BURKE ENGINEERING LTD.**  
 9575 West Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500



**LEGEND:**

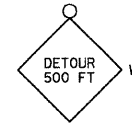






	PAVEMENT REPLACEMENT
	- HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4"
	- HOT-MIX ASPHALT SURFACE COURSE
	MIX "C", N50 (QC/QA), 1 1/2"
	- LEVELING BINDER (MACHINE METHOD)
	N50, (QC/QA), 1 3/4"
	DRAINAGE STRUCTURE TO BE ADJUSTED
	DRAINAGE STRUCTURE ADJUSTMENT (SPECIAL)
	DRAINAGE STRUCTURE TO BE REMOVED
	HMA SURFACE REMOVAL - BUTT JOINT

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		PROPOSED PLAN CITY OF NORTHLAKE HAROLD AVENUE  SCALE 1" = 20' DATE 1/2/2008 DRAWN BY EDT CHECKED BY MW







F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1678	07-00064-00-RS	COOK	17	12
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

**CONTRACT NO. 63009**

**SCHEDULE OF SIGNS**

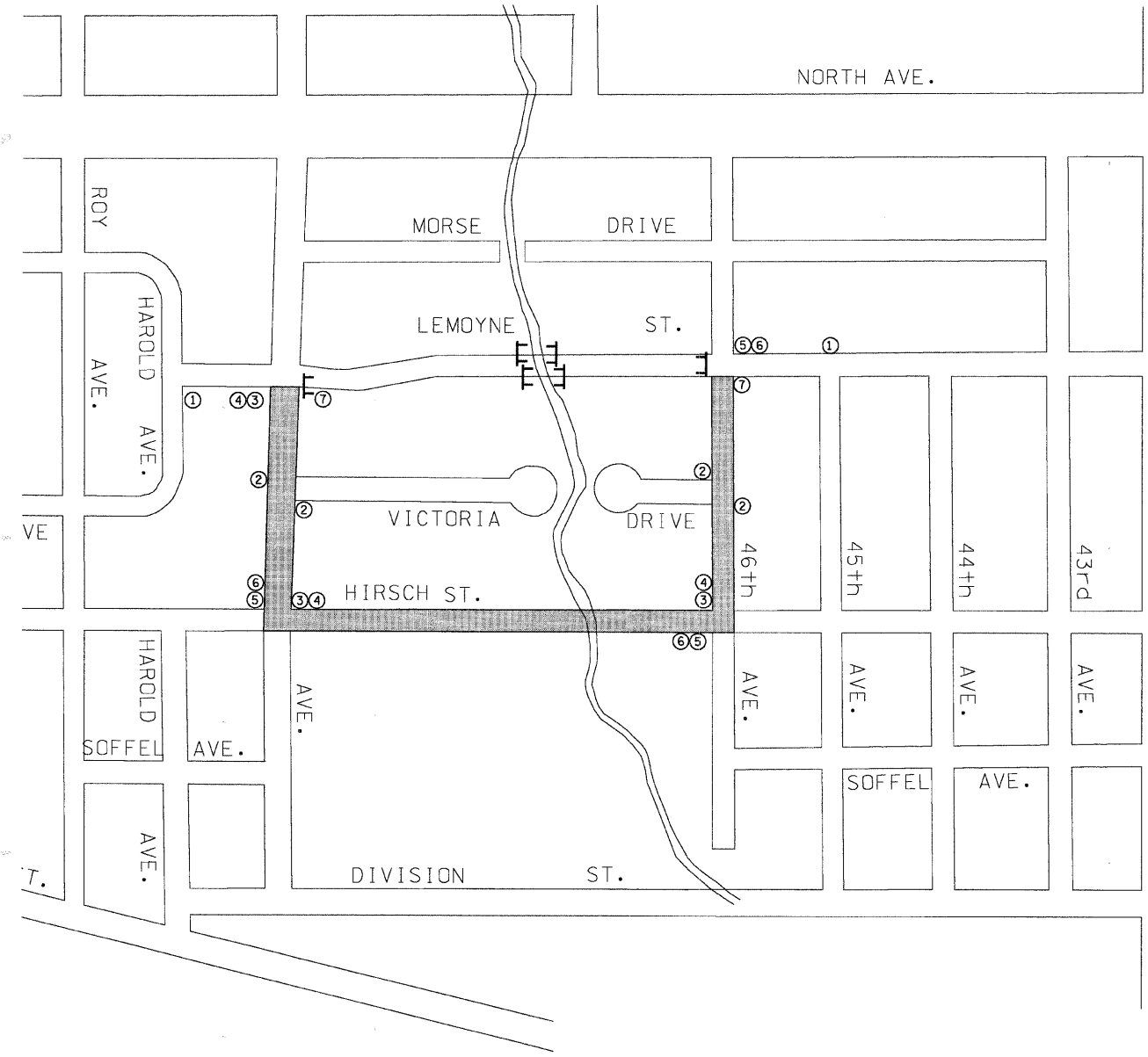
SIGN NO.	SIGN TYPE	QUANTITY
1	 W20-2 (0) 48	2
2	 M4-9 (0) 30 21	4
3	 M4-9 R (0) 30 21	3
4	 M4-9 R (0) 30 21	3
5	 M4-9 L (0) 30 21	3
6	 M4-9 L (0) 30 21	3
7	 M4-8a (0) 24 18	2

**LEGEND**

-  SIGNALIZED INTERSECTION
-  48" x 48" CONSTRUCTION WARNING SIGN WITH AMBER FLASHING LIGHT NUMBER DENOTES TYPE.
-  M4-9 SERIES DETOUR SIGN WITH ROAD NAME AND CARDINAL DIRECTION PLATE. NUMBER DENOTES TYPE.
-  OTHER DETOUR SIGNS. NUMBER DENOTES TYPE.
-  TYPE III BARRICADE WITH AMBER FLASHING LIGHTS.
-  DETOUR ROUTE

PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	
	BEAM NOTED	
	STRUCTURE NOTATIONS CHECKED	
PLAN	SURVEYED	DATE
NOTE BOOK	ALIGNMENT CHECKED	
	RT. OF WAY CHECKED	
	CADD FILE NAME	

**CHRISTOPHER B. BURKE ENGINEERING LTD.**  
 9575 West Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500



**NOTE:**  
 LEMOYNE STREET SHALL BE CLOSED FOR THE APPLICATION OF THE WATERPROOFING MEMBRANE SYSTEM ONLY AND SHALL BE CLOSED FOR A MAXIMUM OF 3 DAYS.

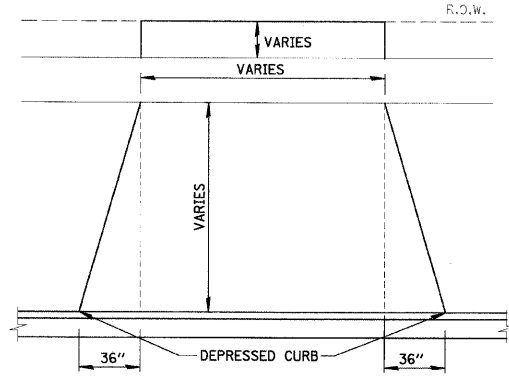
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION DETOUR PLAN CITY OF NORTHLAKE LEMOYNE SREET
NAME	DATE	

SCALE N.T.S. DRAWN BY EDT  
 DATE 1/2/2008 CHECKED BY MW



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1678	07-00064-00-RS	COOK	17	13
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

**CONTRACT NO. 63009**

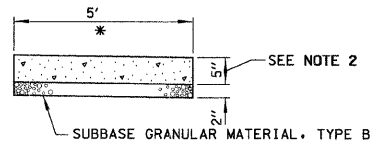


**DETAIL OF DRIVEWAY**

THIS TYPICAL DRIVE LAYOUT IS FOR BOTH CONCRETE AND ASPHALT DRIVES

- P.C.C. DRIVE - 7" P.C.C. DRIVEWAY PAVEMENT
- 2" SUB-BASE GRANULAR MATERIAL, TYPE B
- ASPHALT DRIVE - 2" HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (QC/QA)
- 6" AGGREGATE BASE COURSE, TYPE B

NOTE: PROPOSED SIDEWALK THROUGH DRIVEWAY SHALL BE 7 INCHES OF PORTLAND CEMENT CONCRETE ON 2 INCH SUB-BASE GRANULAR MATERIAL, TYPE B.

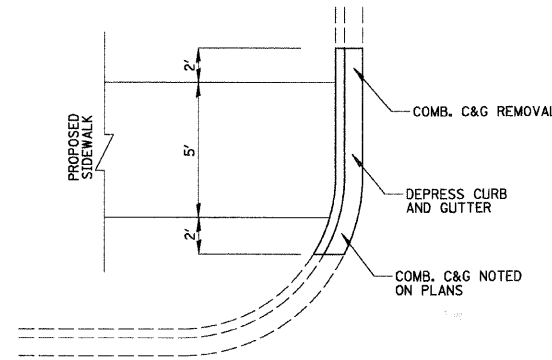


\* CROSS SLOPE 2%

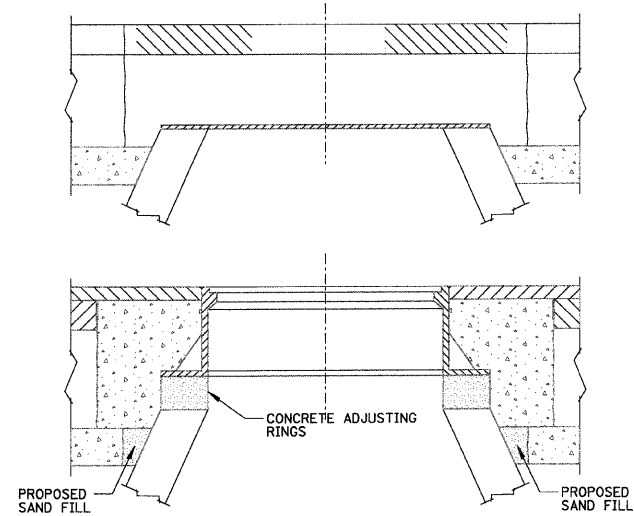
**NOTES:**

- ALL REQUIRED EARTH EXCAVATION TO CONSTRUCT P.C.C. SIDEWALK SHALL BE INCLUDED IN THE COST FOR P.C.C. SIDEWALK.
- WHEN FORMS ARE REMOVED FROM THE SIDEWALK EITHER THE SIDEWALK SHALL BE BARRICADED OR BACKFILLED WITHIN 24 HOURS.
- ALL LANDSCAPE RESTORATION (TOPSOIL, SEEDING CLASS 1 AND SUPPLEMENTAL WATERING) SHALL BE INCLUDED IN THE COST FOR P.C.C. SIDEWALK.

**P.C.C. SIDEWALK DETAIL**



**PROPOSED DEPRESSED CURB & GUTTER  
EXISTING CURB & GUTTER NOT DEPRESSED  
NOT TO SCALE**



**CONSTRUCTION PROCEDURES**

**STAGE I (BEFORE PAVEMENT MILLING)**

- REMOVE A MINIMUM OF 12" OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- COVER THE STRUCTURE OPENING WITH A 36" DIAMETER METAL PLATE.
- BACKFILL WITH CRUSHED STONE AND A MINIMUM 1 1/2" THICK BITUMINOUS MATERIAL APPROVED BY THE ENGINEER.

**STAGE II (AFTER PAVEMENT MILLING)**

- REMOVE THE BITUMINOUS MATERIAL AND CRUSHED STONE.
- INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS SI CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE.

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

**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.

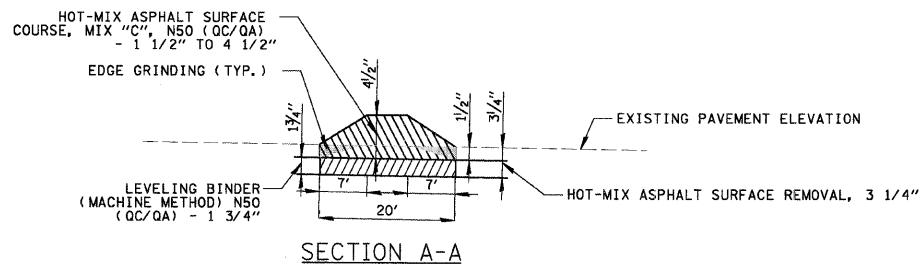
**BASIS OF PAYMENT**

DRAINAGE STRUCTURE ADJUSTMENT (SPECIAL).

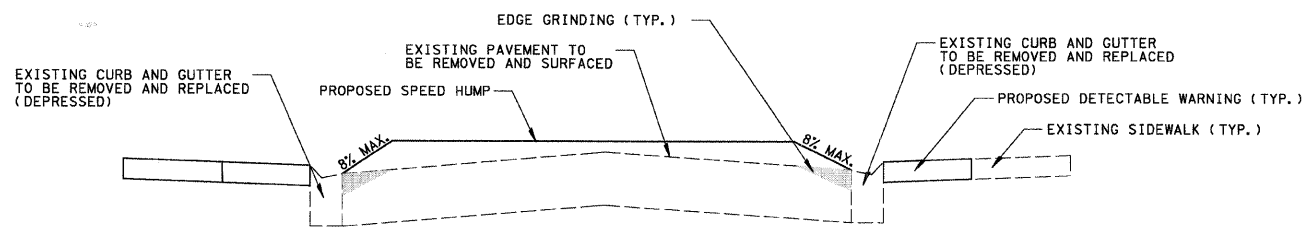
**NOTES**

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

**DRAINAGE STRUCTURE ADJUSTMENT (SPECIAL)**



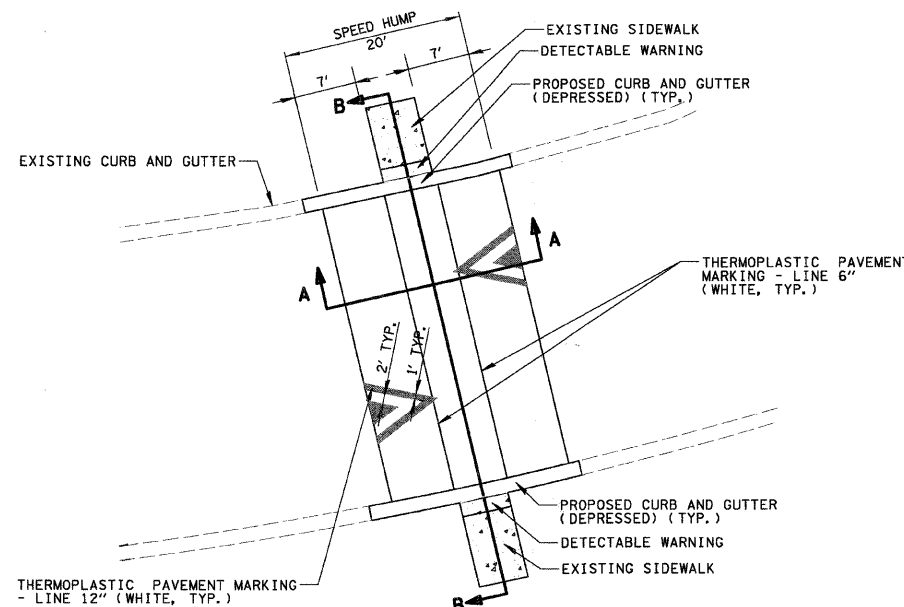
**SECTION A-A**



**SECTION B-B**

**SPEED HUMP - PROFILES**

NOT TO SCALE



**SPEED HUMP - PLAN**

NOT TO SCALE

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION CONSTRUCTION DETAILS CITY OF NORTHLAKE LEMOYNE SREET
NAME	DATE	
		SCALE N.T.S. DATE 12/27/2007 DRAWN BY EDT CHECKED BY MW

DATE	BY
DATE	BY
DATE	BY

CHRISTOPHER B. BURKE  
ENGINEERING LTD.  
9575 West Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

DATE	BY
DATE	BY
DATE	BY

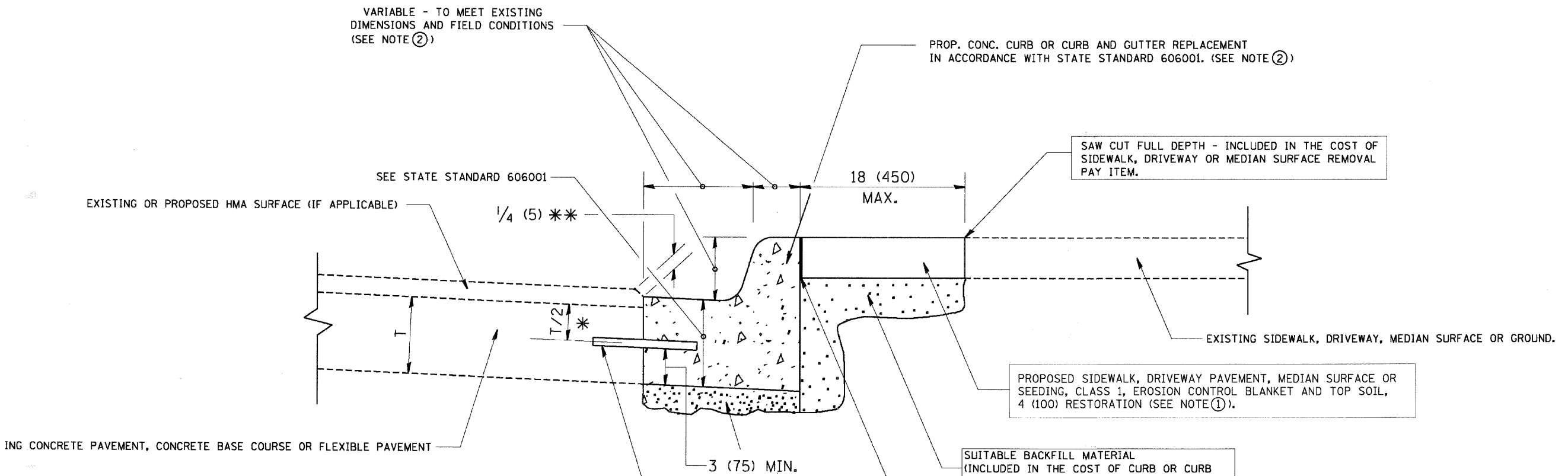
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1678	07-00064-00-RS	COOK	17	14
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 63009

SURVEYED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 ALIGNED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 RT. OF WAY CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 ADJUSTED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 PLAN NO.: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 FILE NAME: K:\Projects\63009\63009.dwg

CHRISTOPHER B. BURKE ENGINEERING LTD.  
 9575 West Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500

PROFILE SURVEYED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 GRADES CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 NOTE BOOK NO.: \_\_\_\_\_  
 STRUCTURE NOTATIONS: CHFD



- \* 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.
  - 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".

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

## CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

REVISIONS	
NAME	DATE
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
R. BORO	01/01/07

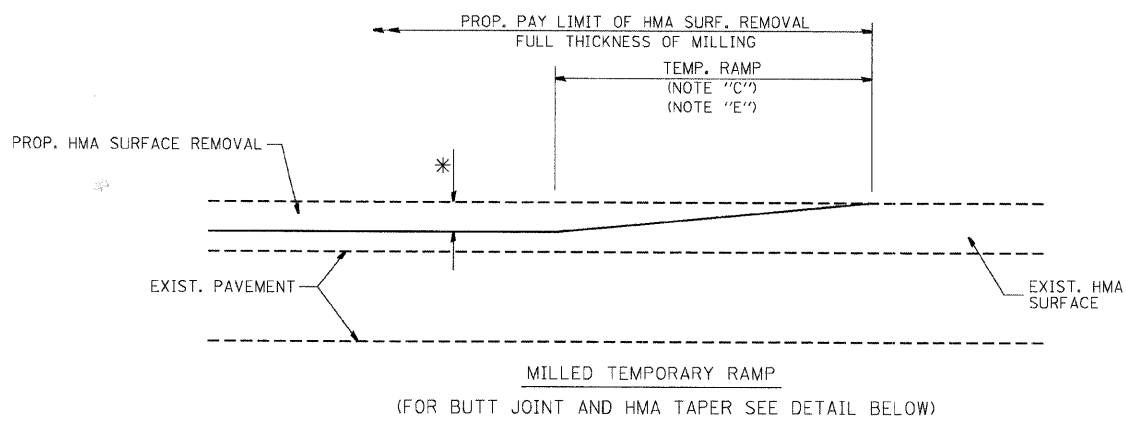
ILLINOIS DEPARTMENT OF TRANSPORTATION

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

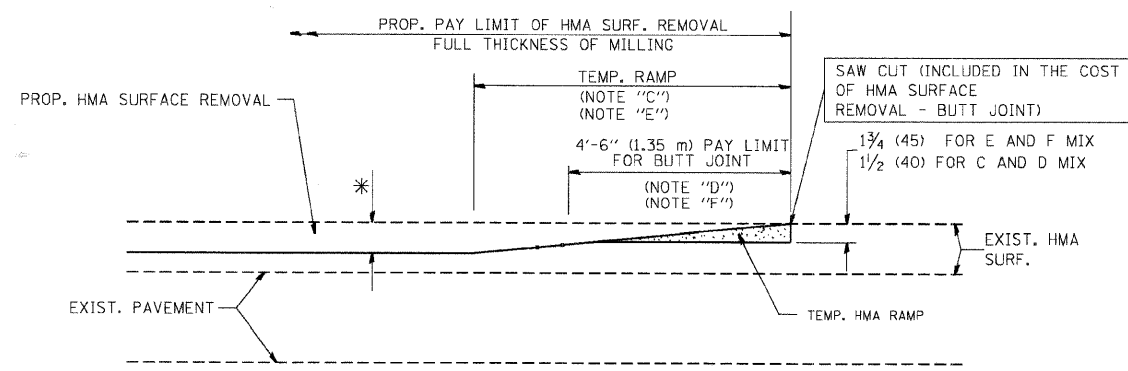
SCALE: VERT. NONE  
 HORIZ. 1" = 10'  
 PLOT DATE: 10/31/2006  
 DRAWN BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1678	07-00064-00-RS	COOK	17	15
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

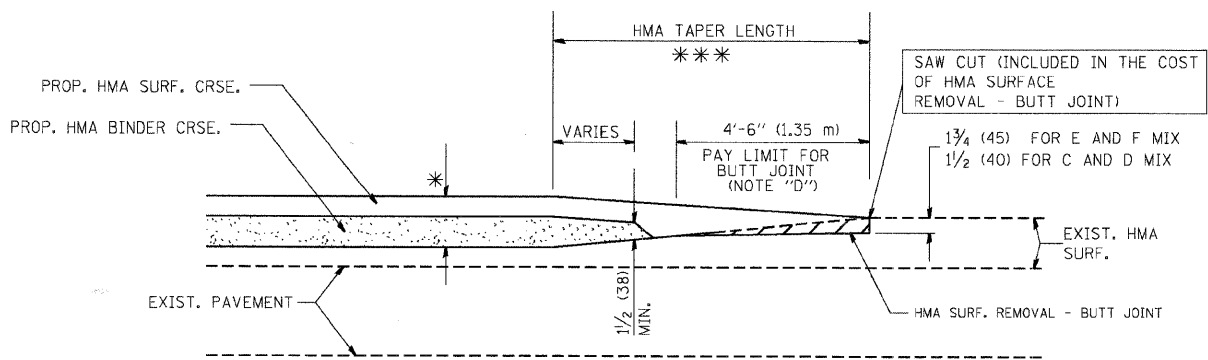
**CONTRACT NO. 63009**



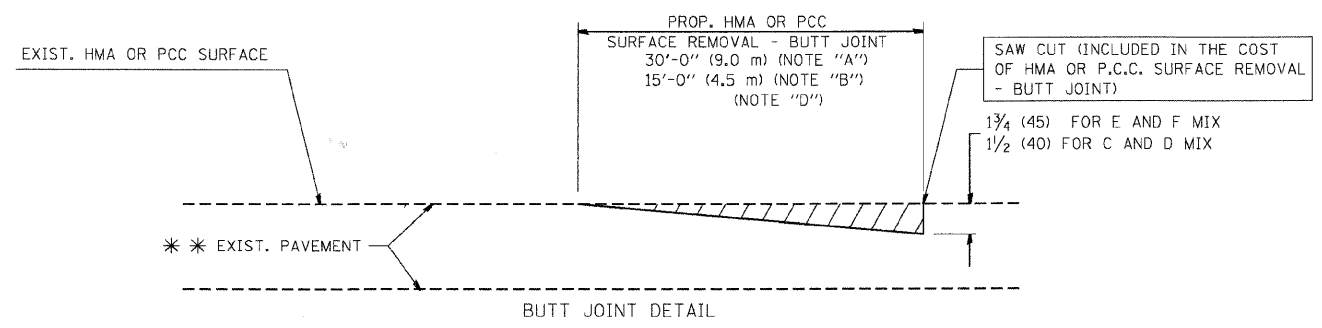
**OPTION 1**



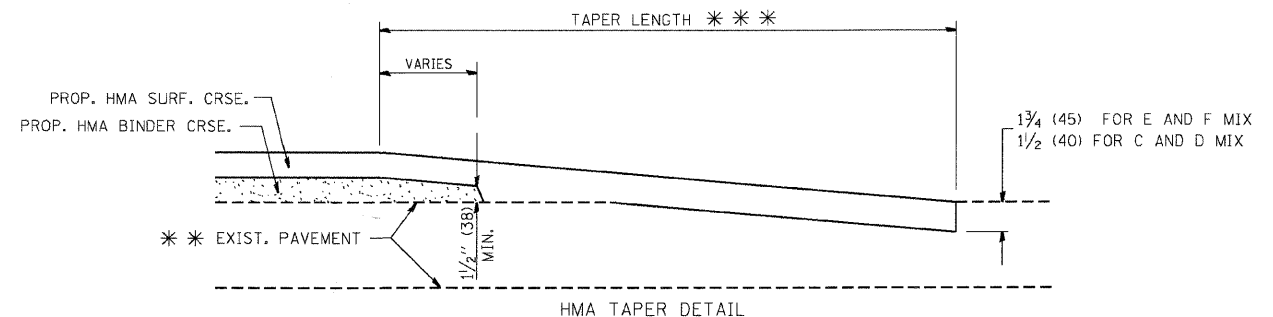
**OPTION 2**  
**TYPICAL TEMPORARY RAMP**



**TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING**



**BUTT JOINT DETAIL**



**HMA TAPER DETAIL**

**TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY**

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

**NOTES**

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

\*\*\* 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")  
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

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**

SCALE: VERT. NONE  
HORIZ. 1" = 10'  
PLOT DATE: 10/31/2006

DRAWN BY  
CHECKED BY

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

DATE	BY

CHRISTOPHER B. BURKE ENGINEERING LTD.  
9575 West Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500



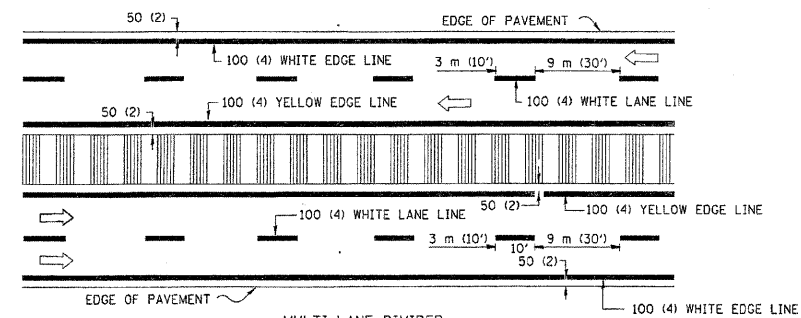
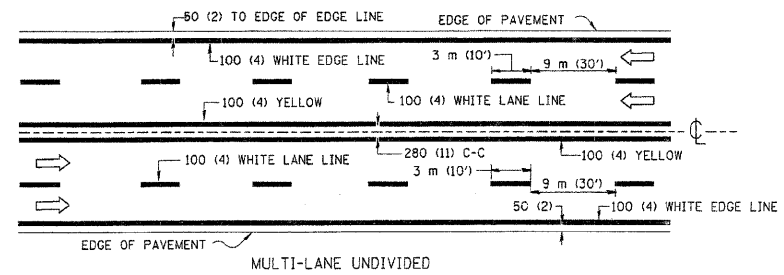
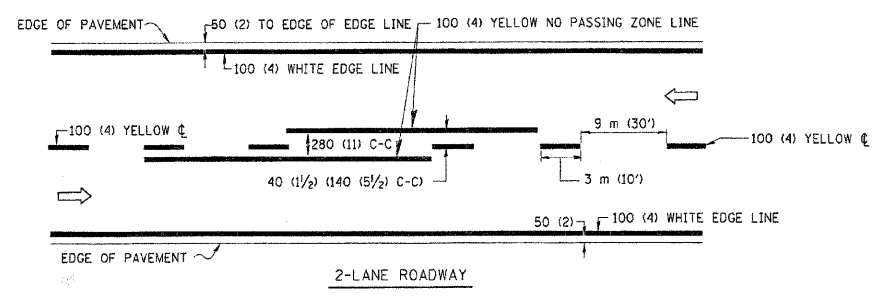
DATE	BY

FILE NAME: K:\data\04032.dgn  
PLOT DATE: 10/31/2006  
PLOT TIME: 10:31:06 AM

CONTRACT NO. 63009

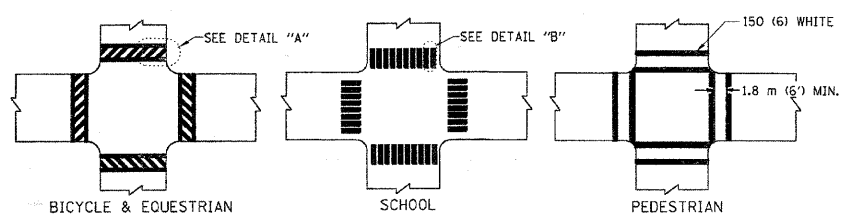
SURVEYED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 PLAN NO.: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 SURVEYED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 PLAN NO.: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

CHRISTOPHER B. BURKE ENGINEERING LTD.  
 5975 West Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500

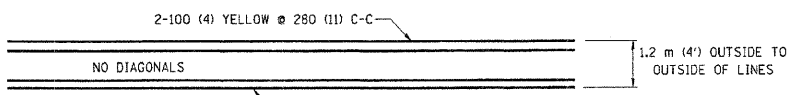


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

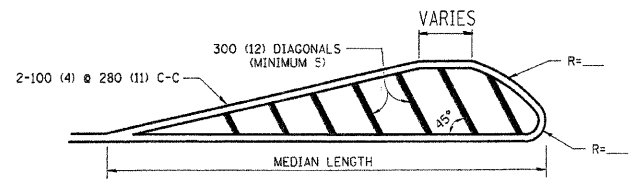
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING



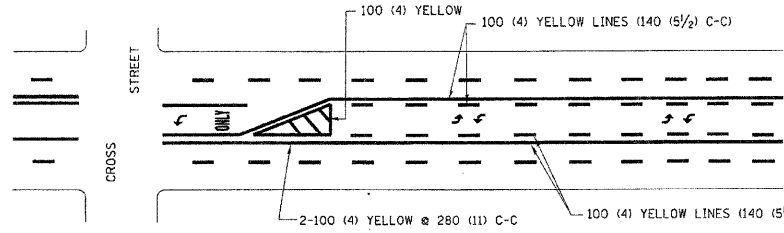
1.2 m (4') WIDE MEDIANS ONLY



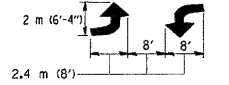
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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))

MEDIANS OVER 1.2 m (4') WIDE

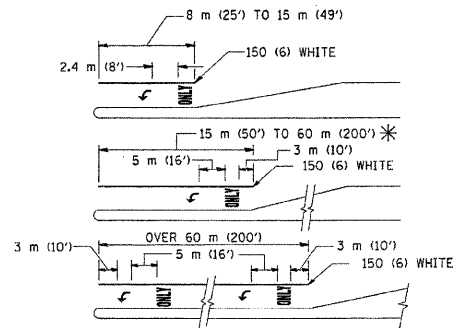


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 60 m (200') TO 90 m (300') INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

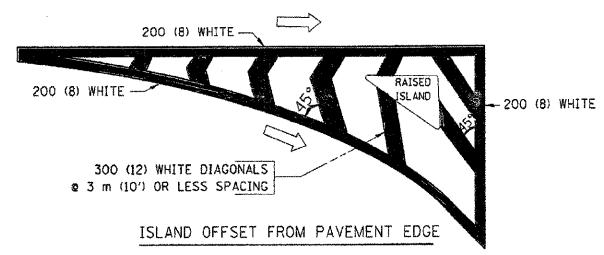


FULL SIZE LETTERS 2.4 m (8') AND ARROWS SHALL BE USED.  
 AREA = 1.5 m<sup>2</sup> (15.6 SQ. FT.) ONLY AREA = 1.9 m<sup>2</sup> (20.8 SQ. FT.)

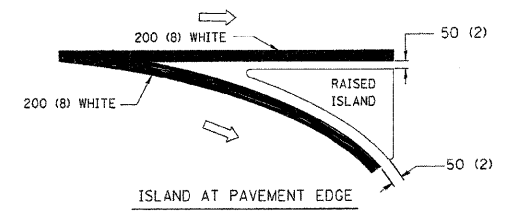
\* TURN LANES IN EXCESS OF 120 m (400') IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

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 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 <sup>2</sup> (3.6 SQ. FT.) EACH "X" = 5.0 m <sup>2</sup> (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 07/25/05  
 DRAWN BY CADD  
 CHECKED BY



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1678	07-00064-00-RS	COOK	17	17
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

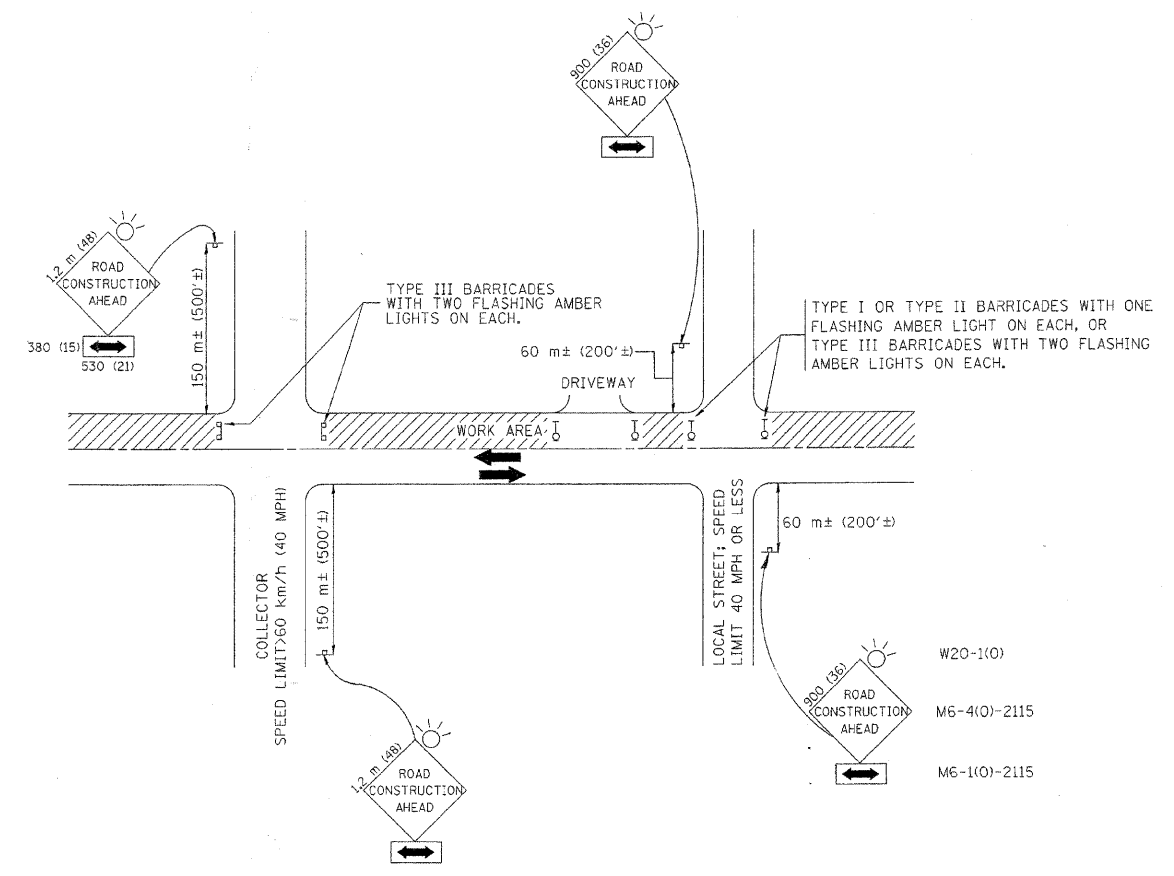
CONTRACT NO. 63009

DATE	BY
PROFIT: F	
NO.	
NO.	
NO.	
NO.	
NO.	

CHRISTOPHER B. BURKE ENGINEERING LTD.  
 9575 West Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500



DATE	BY
PROFIT: F	
NO.	
NO.	
NO.	
NO.	
NO.	



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.
  - 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.

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

SCALE: NONE DRAWN BY: \_\_\_\_\_  
 DATE: 07/25/05 CHECKED BY: \_\_\_\_\_

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