

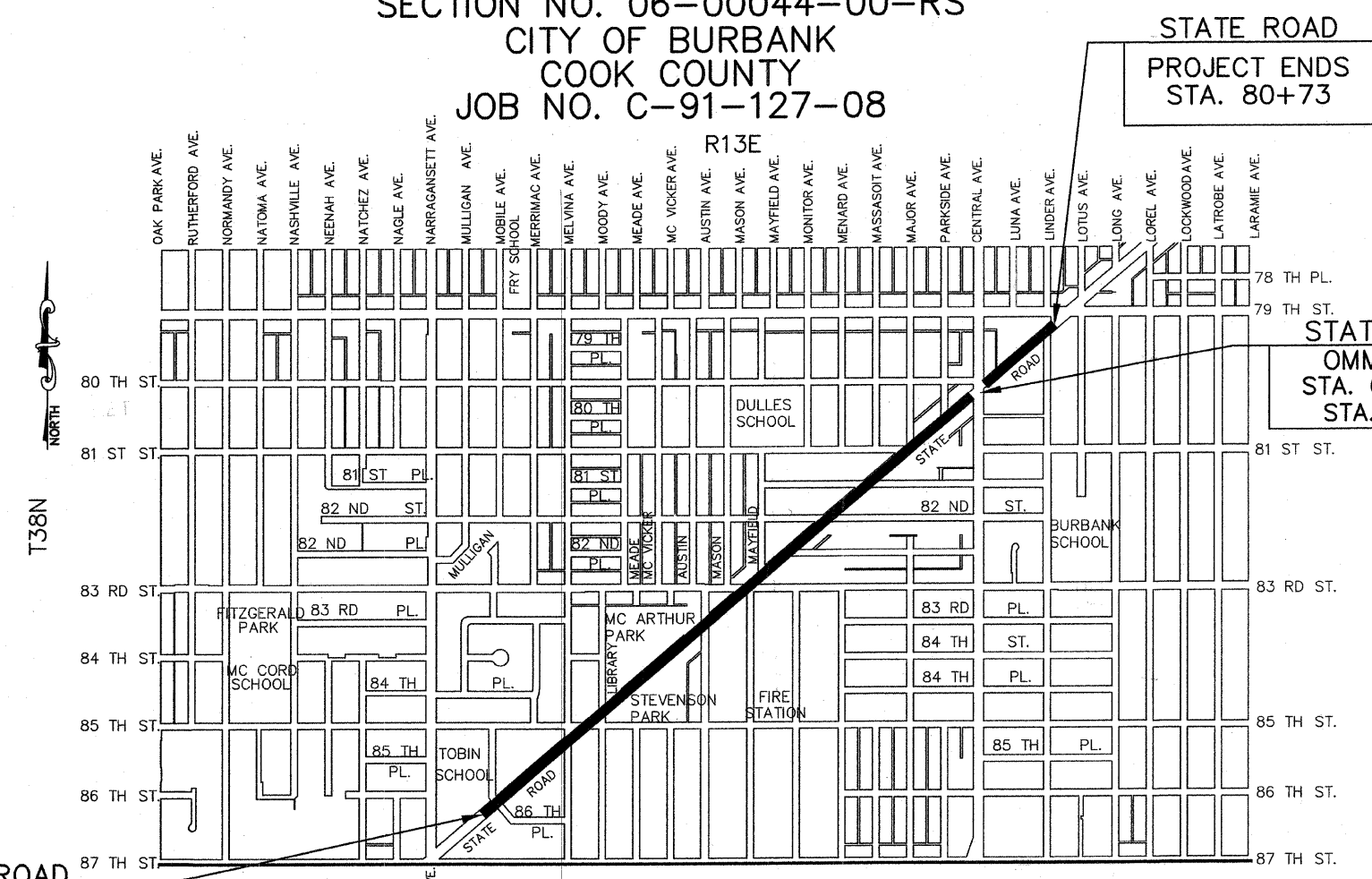
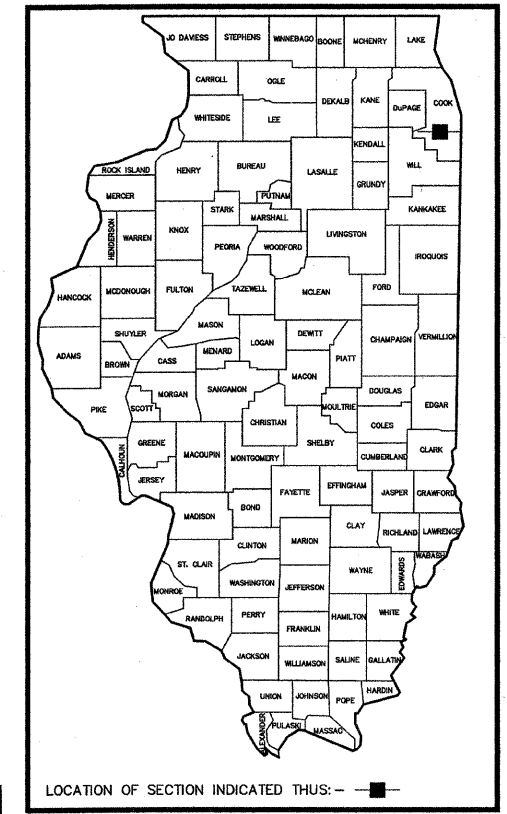
FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3577	06-00044-00-RS	COOK	16	1
F. HW. A. REG.	ILLINOIS PROJECT	M-8003(911)		

CONTRACT NO. 63010

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED
FEDERAL AID PROJECT

F.A.U. RTE. 3577 (STATE ROAD)
FROM 87TH ST. TO 79TH ST.
LAPP RESURFACING
FEDERAL PROJECT M-8003(911)
SECTION NO. 06-00044-00-RS
CITY OF BURBANK
COOK COUNTY
JOB NO. C-91-127-08

FOR INDEX OF SHEETS AND INDEX OF STATE
STANDARDS, SEE SHEET NO. 2



STATE ROAD
OMMISSION
STA. 69+23 to
STA. 71+42

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

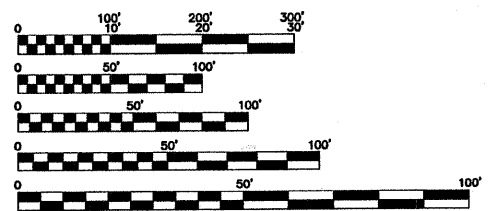
APPROVED JANUARY 4 2008

CITY MAYOR Harry Klein

PASSED FEBRUARY 14 2008
CHRISTOPHER BUR
DISTRICT #1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
BASED ON LIMITED
REVIEW FEBRUARY 14 2008
Dianna M. O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS, REGION #1 ENGINEER

FIELD ENGINEER: MELCHOR MANGOBA (847) 705-4408
CONSULTANT: FRANK NOVOTNY AND ASSOCIATES, INC. (630) 887-8640



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 NO. 63010

REVISIONS		
NO.	BY	DATE
1	BAH	12/07

DESIGN DESIGNATION:
14000(08) MAJOR COLLECTOR
3.50 (PCC-20)

— DENOTES LOCATION OF IMPROVEMENT

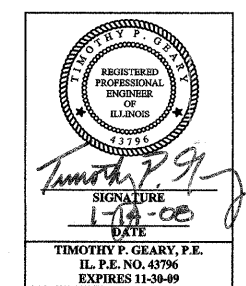
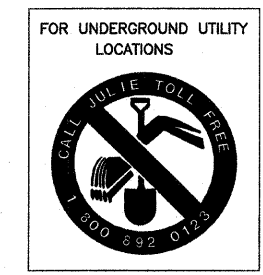
LOCATION MAP

LENGTH OF PROJECT

GROSS LENGTH OF PROJECT 7,198 FEET (1.3633 MILES)
NET LENGTH OF PROJECT 6,979 FEET (1.3218 MILES)

STATE ROAD ADT (2008) = 14,000
POSTED SPEED LIMIT = 35 MPH
DESIGN SPEED LIMIT = 35 MPH

PROJECT LOCATED IN THE
CITY OF BURBANK
STICKNEY TOWNSHIP
NORTHWEST 1/4 SECTION 32
NORTHEAST 1/4 SECTION 32
SOUTHWEST 1/4 SECTION 32
SOUTHEAST 1/4 SECTION 32
NORTHWEST 1/4 SECTION 33



PRINTED BY THE AUTHORITY OF THE
STATE OF ILLINOIS

INDEX TO SHEETS

- 1.) COVER SHEET, LOCATION MAP
- 2.) INDEX OF SHEETS, INDEX OF STATE STANDARDS, SUMMARY OF QUANTITIES
- 3.) GENERAL NOTES, HOT-MIX ASPHALT MIXTURE REQUIREMENTS
- 4.) TYPICAL CROSS SECTIONS
- 5.-6.) PLAN: STATE ROAD (PAVING)
- 7.-8.) PLAN: STATE ROAD (PAVEMENT MARKING)
- 9.) DISTRICT ONE TYPICAL PAVEMENT MARKINGS
- 10.) PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
- 11.) TRAFFIC CONTROL AND PROTECTION FOR SIDEROADS, INTERSECTIONS, AND DRIVEWAYS
- 12.) SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS
- 13.) CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
- 14.) DETAILS FOR FRAMES AND LIDS ADJUSTMENTS WITH MILLING
- 15.) BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS
- 16.) PAVEMENT PATCHING FOR HOT-MIX ASPHALT SURFACED PAVEMENT

STATE STANDARDS

- 000001-05 STANDARDS SYMBOLS, ABBREVIATIONS, AND PATTERNS
- 424001-05 CURB RAMPS FOR SIDEWALKS
- 442201-03 CLASS C AND D PATCHES
- 604001-02 FRAME & LIDS, TYPE 1
- 606001-03 CONCRETE CURB AND COMBINATION CONCRETE CURB & GUTTER
- 701501-04 URBAN LANE CLOSURE, 2 L, 2 W UNDIVIDED
- 701502-02 URBAN LANE CLOSURE, 2 L, 2 W BIDIRECTIONAL LEFT TURN LANE
- 701701-05 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 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
- 886006 TYPICAL LAYOUTS FOR DETECTOR LOOPS

SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	CONSTRUCTION CODE 1000-2A	QUANTITY
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU. YD.		50
20700220	POROUS GRANULAR EMBANKMENT	CU. YD.		50
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD		1,840
35800100	PREPARATION OF BASE	SQ YD		50
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GAL.		3,178
40600300	AGGREGATE (PRIME COAT)	TON		34
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD		282
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON		5
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON		232
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON		308
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON		2,517
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON		9
42400200	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	SQ FT		220
42400800	DETECTABLE WARNINGS	SQ FT		10
44000100	PAVEMENT REMOVAL	SQ YD		1,840
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD		31,781
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD		50
44000600	SIDEWALK REMOVAL	SQ FT		220
* 44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT		636
44002204	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 1"	SQ YD		87
44201749	CLASS D PATCHES, TYPE I, 9 INCH	SQ YD		12
44201753	CLASS D PATCHES, TYPE II, 9 INCH	SQ YD		25
44201757	CLASS D PATCHES, TYPE III, 9 INCH	SQ YD		40
* 60249400	VALVE BOXES 6"	EACH		7
60250200	CATCH BASINS TO BE ADJUSTED	EACH		17
* 60266610	VALVE BOXES TO BE ADJUSTED (SPECIAL)	EACH		6
* 60300305	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH		24
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH		10
67100100	MOBILIZATION	L SUM		1
* 70101700	TRAFFIC CONTROL AND PROTECTION	L SUM		1
70106800	CHANGEABLE MESSAGE SIGN	CAL MON		3
70300100	SHORT TERM PAVEMENT MARKING	FOOT		1,625
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT		1,634
70300220	TEMPORARY PAVEMENT MARKING - LINE, 4"	FOOT		32,450
70300240	TEMPORARY PAVEMENT MARKING - LINE, 6"	FOOT		11,660
70300260	TEMPORARY PAVEMENT MARKING - LINE, 12"	FOOT		740
70300280	TEMPORARY PAVEMENT MARKING - LINE, 24"	FOOT		1,292
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT		540
△ 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT		817
△ 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE, 4"	FOOT		16,225
△ 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE, 6"	FOOT		5,830
△ 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE, 12"	FOOT		370
△ 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE, 24"	FOOT		646
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT		1,280
* X4067107	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON		1,349

* DENOTES SPECIAL PROVISION

△ DENOTES SPECIALITY ITEM



Frank Novotny & Associates, Inc.

Civil Engineers/ Municipal Consultants 825 Midway Drive ♦ Willowbrook, IL ♦ 60527 ♦ Telephone: (630) 887-8640 ♦ Fax: (630) 887-0132 Illinois Professional Design Firm No. 184-000928

PROJECT

CITY OF BURBANK, ILLINOIS
STATE ROAD LAPP RESURFACING
87th STREET to 79th STREET
MFT SECTION NO. 06-00044-00-RS

R E V I S I O N S			
NO.	BY	DATE	DESCRIPTION
1	BAH	12/07	PER IDOT REVIEW
2	TPG	1/23/08	PER IDOT REVIEW

INDEX TO SHEETS
STATE STANDARDS
SUMMARY OF QUANTITIES

PROJECT NO. 05480	SCALE AS NOTED	SHEET 2 OF 16 SHEETS
DRAWN/DESIGNED JFP/TPG	DATE OCT., 2007	
CHECKED/APPROVED TPG	FIELD BOOK NO. FILE	

GENERAL CONSTRUCTION NOTES

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3577	06-00044-00-RS	COOK	16	3
F. HW. A. REG.		ILLINOIS	PROJECT	M-8003(911)

CONTRACT NO. 63010

1. SPECIFICATIONS

THE LATEST EDITIONS OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", PREPARED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" SHALL GOVERN ALL WORK ASSOCIATED WITH THIS PROJECT. THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" MAY GOVERN OTHER WORK ON THIS PROJECT AS INDICATED BY REFERENCE.

2. CARE IN EXCAVATION

CARE SHALL BE EXERCISED BY THE CONTRACTOR IN CARRYING OUT EARTH AND/OR TRENCHING OPERATIONS SO THAT LOCAL SERVICES, WATER VALVES, MANHOLES, CATCH BASINS, INLETS, BUFFALO BOXES, AND OTHER STRUCTURES ARE NOT DAMAGED OR REMOVED. ANY DAMAGE DONE BY THE CONTRACTOR, WHETHER THE STRUCTURE OR SERVICE IS VISIBLE AT THE GROUND SURFACE OR NOT, SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AS REQUIRED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

3. NOTIFICATION OF PUBLIC UTILITIES

PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE OFFICIALS OF THE PUBLIC WORKS DEPARTMENT OF THE LOCAL MUNICIPALITY, J.U.L.I.E. AT 1-800-892-0123, AND OTHER PUBLIC AND PRIVATE UTILITIES SO THAT ARRANGEMENTS CAN BE MADE TO LOCATE THEIR VARIOUS FACILITIES WITHIN THE LIMITS OF CONSTRUCTION UNDER THIS CONTRACT, AS WELL AS TO PROVIDE ADEQUATE PROTECTION AND INSPECTION THERETO. IT SHALL BE THIS CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES IN THE FIELD.

4. TRAFFIC CONTROL DEVICES

BARRICADES AND WARNING SIGNS SHALL BE PROVIDED IN ACCORDANCE WITH ARTICLE 107.14 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION". ADEQUATE LIGHTING SHALL BE MAINTAINED FROM DUSK TO DAWN AT ALL LOCATIONS WHERE CONSTRUCTION OPERATIONS WARRANT, OR AS DESIGNATED BY THE ENGINEER.

5. PROTECTION OF SIGNS AND PROPERTY

ALL TRAFFIC SIGNS, STREET SIGNS, ETC., THAT INTERFERE WITH THE CONSTRUCTION OPERATIONS SHALL BE REMOVED AND PLACED AT NEW LOCATIONS AS DESIGNATED BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. IN ADDITION, ALL MAIL BOXES THAT INTERFERE WITH CONSTRUCTION SHALL BE SIMILARLY RELOCATED AT NO ADDITIONAL COST IN ACCORDANCE WITH ARTICLES 107.20 AND 107.21 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

6. SUPERINTENDENCE

SPECIAL ATTENTION IS DRAWN TO ARTICLE 105.06 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" WHICH 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 AND SHALL BE RESPONSIBLE FOR SCHEDULING AND HAVING CONTROL OF ALL THE WORK AS THE AGENT OF THE GENERAL CONTRACTOR. FAILURE TO COMPLY WITH THIS PROVISION WILL RESULT IN A SUSPENSION OF WORK AS PROVIDED IN ARTICLE 108.07.

7. SAWING EXISTING IMPROVEMENTS

ALL PERMANENT TYPE PAVEMENTS OR OTHER PERMANENT IMPROVEMENTS WHICH ABUT THE PROPOSED IMPROVEMENT AND MUST BE REMOVED, SHALL BE SAWED AS DIRECTED PRIOR TO REMOVAL. ALL ITEMS SO REMOVED SHALL BE REPLACED WITH SIMILAR CONSTRUCTION MATERIALS TO THEIR ORIGINAL CONDITION OR BETTER. PAYMENT FOR SAWING SHALL BE INCLUDED IN THE COST FOR THE REMOVAL OF EACH ITEM, AND REPLACEMENT WILL BE PAID FOR UNDER THE RESPECTIVE ITEMS IN THE CONTRACT UNLESS OTHERWISE INDICATED.

8. CONSTRUCTION LAYOUT STAKES

THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH WOODEN STAKES OR OTHER LAYOUT MATERIALS FOR LAYOUT OF THE LINES AND GRADES OF THE PROJECT. FAILURE TO PROVIDE STAKES IN A TIMELY MANNER WILL RESULT IN A DELAY IN TAKEOUT WHICH WILL BE APPLICABLE AGAINST THE TIME LIMIT FOR COMPLETION SHOWN IN THE PROJECT SPECIFICATIONS. LINE AND GRADE WILL BE ESTABLISHED BY THE ENGINEER AT REGULAR INTERVALS ON PERMANENTLY PAVED SURFACES, SIDEWALKS OR STAKES AT THE ENGINEER'S OPTION, ALL WITHIN THE PUBLIC RIGHT-OF-WAY AND SHALL BE TRANSFERRED BY THE CONTRACTOR TO THE ACTUAL LINE OF CONSTRUCTION.

9. PROJECT SAFETY

BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SAND BAGS ON EACH TYPE I OR TYPE II BARRICADE USED ONE (1) WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1-1/2 INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH. WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES 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 RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED. THE CONTRACTOR SHALL COMPLY WITH AND OBSERVE THE RULES AND REGULATIONS OF O.S.H.A. AND APPROPRIATE AUTHORITIES REGARDING SAFETY PROVISIONS. THE CONTRACTOR, ENGINEER, AND OWNER SHALL EACH BE RESPONSIBLE FOR THEIR OWN RESPECTIVE AGENTS AND EMPLOYEES. THE ENGINEER AND OWNER ARE NOT RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, TIME OF PERFORMANCE, PROGRAMS, OR FOR ANY SAFETY PRECAUTIONS USED BY THE CONTRACTOR. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXECUTION OF HIS WORK IN ACCORDANCE WITH THE DOCUMENTS AND SPECIFICATIONS.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

ITEM	AC TYPE	VOIDS
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1-1/2" THICKNESS (IL-9.5mm)	PG 64-22	4% @ 70 GYR
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1-1/2" THICKNESS (IL-9.5mm)	PG 64-22	4% @ 50 GYR
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4" THICKNESS	SBS/SBR PG 76-28/-22	4% @ 50 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2-1/4" THICKNESS	*PG 64-22	4% @ 50 GYR
DRIVEWAY: INCIDENTAL HOT-MIX ASPHALT SURFACING		
BASE: HOT-MIX ASPHALT SURFACE COURSE, MIX "C", IL-9.5mm, N50, 1-1/2" THICKNESS	PG 64-22	4% @ 50 GYR
SURFACE: HOT-MIX ASPHALT SURFACE COURSE, MIX "C", IL-9.5mm, N50, 1-1/2" THICKNESS	PG 64-22	4% @ 50 GYR
HOT-MIX ASPHALT BASE COURSE, 6" THICKNESS	*PG 64-22/58-22	2% @ 50 GYR
CLASS D PATCHES, TYPE I-III, 9" THICKNESS, (BINDER IL-19mm)	*PG 64-22	4% @ 70 GYR
HOT-MIX ASPHALT REPLACEMENT OVER PATCHES (BINDER IL-19mm)	*PG 64-22	4% @ 70 GYR

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

Frank Novotny & Associates, Inc.

Civil Engineers/
Municipal Consultants

825 Midway Drive ♦ Willowbrook, IL ♦ 60527 ♦ Telephone: (630) 887-8640 ♦ Fax: (630) 887-0132
Illinois Professional Design Firm No. 184-000928

PROJECT

CITY OF BURBANK, ILLINOIS

STATE ROAD LAPP RESURFACING

87th STREET to 79th STREET
MFT SECTION NO. 06-00044-00-RS

R E V I S I O N S			
NO.	BY	DATE	DESCRIPTION
1	BAH	12/07	PER IDOT REVIEW

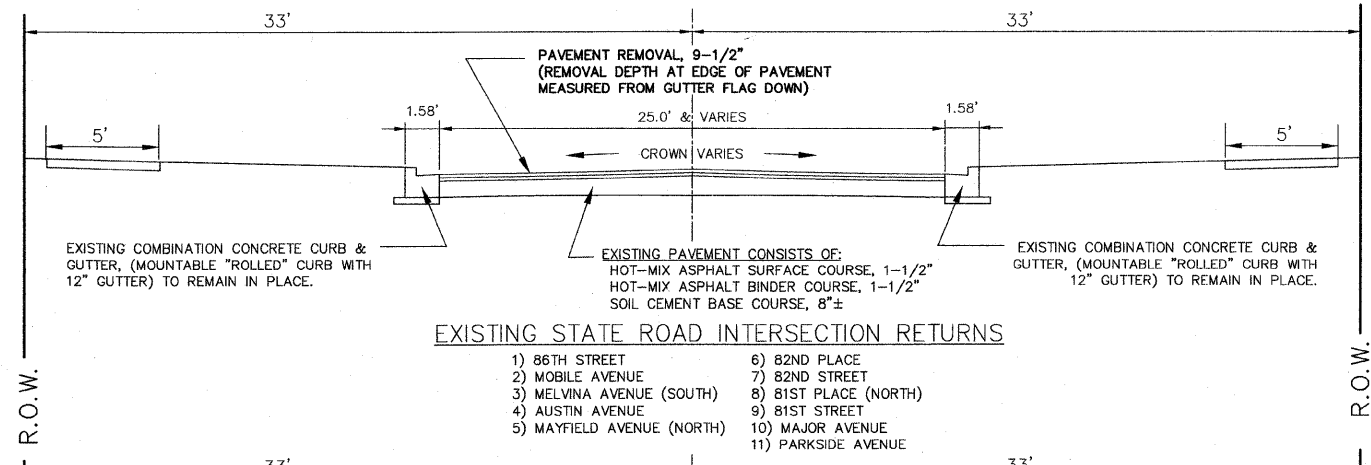
GENERAL NOTES

HOT-MIX ASPHALT MIX REQUIREMENTS

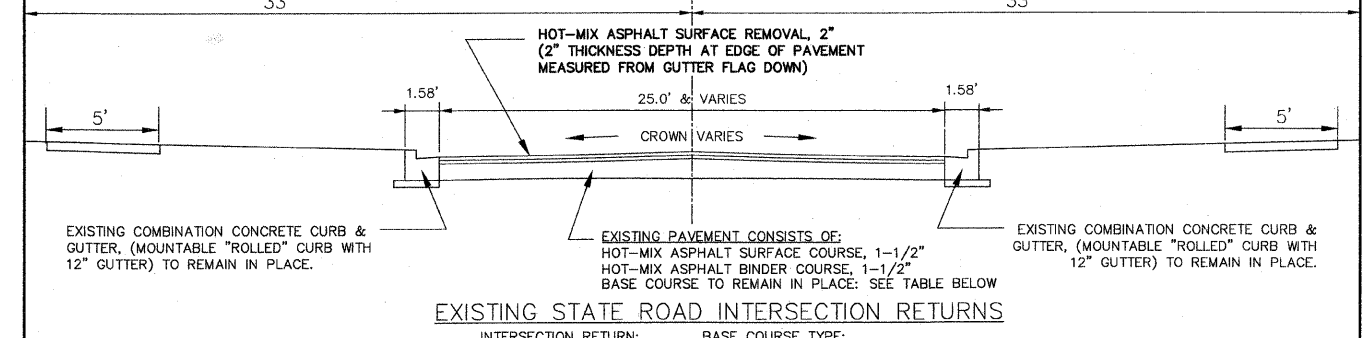
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DRAWN/DESIGNED JFP/TPG	DATE OCT, 2007	OF 16
CHECKED/APPROVED TPG	FIELD BOOK NO. FILE	SHEETS

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3577	06-00044-00-RS	COOK	16	4
F. HW. A. REG.	ILLINOIS PROJECT	M-8003(911)		

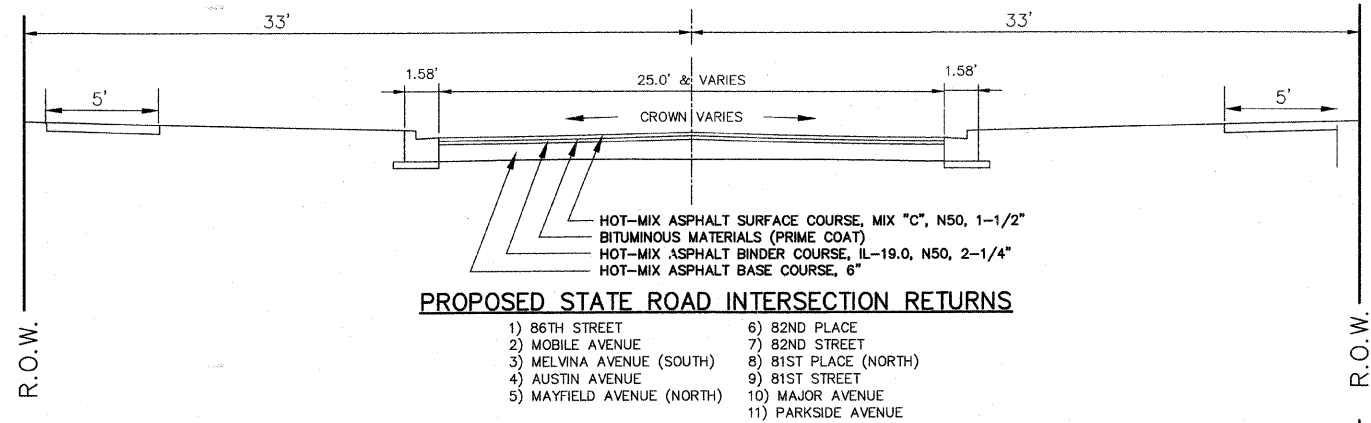
CONTRACT NO. 63010



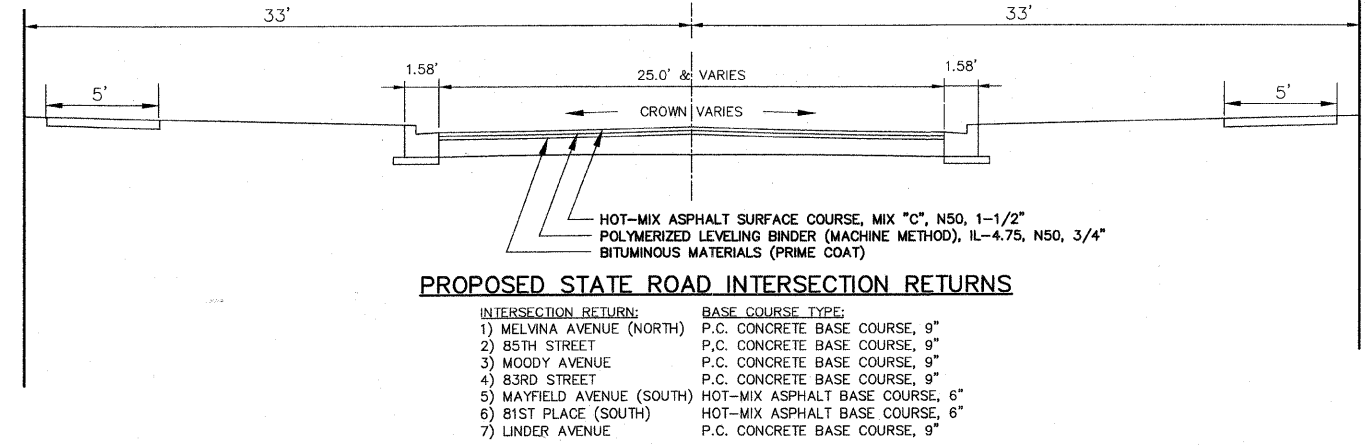
- EXISTING STATE ROAD INTERSECTION RETURNS**
- | | |
|----------------------------|-----------------------|
| 1) 86TH STREET | 6) 82ND PLACE |
| 2) MOBILE AVENUE | 7) 82ND STREET |
| 3) MELVINA AVENUE (SOUTH) | 8) 81ST PLACE (NORTH) |
| 4) AUSTIN AVENUE | 9) 81ST STREET |
| 5) MAYFIELD AVENUE (NORTH) | 10) MAJOR AVENUE |
| | 11) PARKSIDE AVENUE |



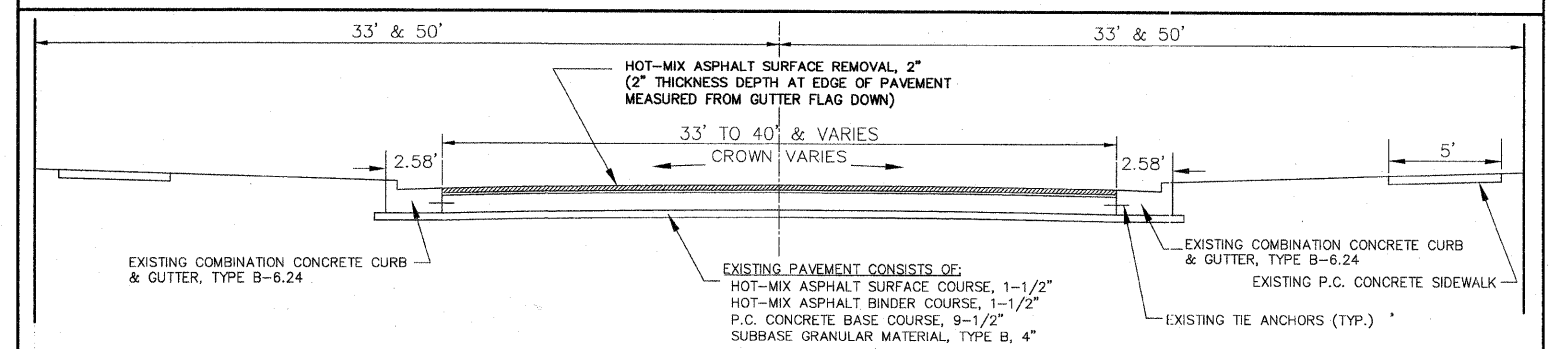
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|-----------------------------|---------------------------------|
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| 2) 85TH STREET | P.C. CONCRETE BASE COURSE, 9" |
| 3) MOODY AVENUE | P.C. CONCRETE BASE COURSE, 9" |
| 4) 83RD STREET | P.C. CONCRETE BASE COURSE, 9" |
| 5) MAYFIELD AVENUE (SOUTH) | HOT-MIX ASPHALT BASE COURSE, 6" |
| 6) 81ST PLACE (SOUTH) | HOT-MIX ASPHALT BASE COURSE, 6" |
| 7) LINDER AVENUE | P.C. CONCRETE BASE COURSE, 9" |



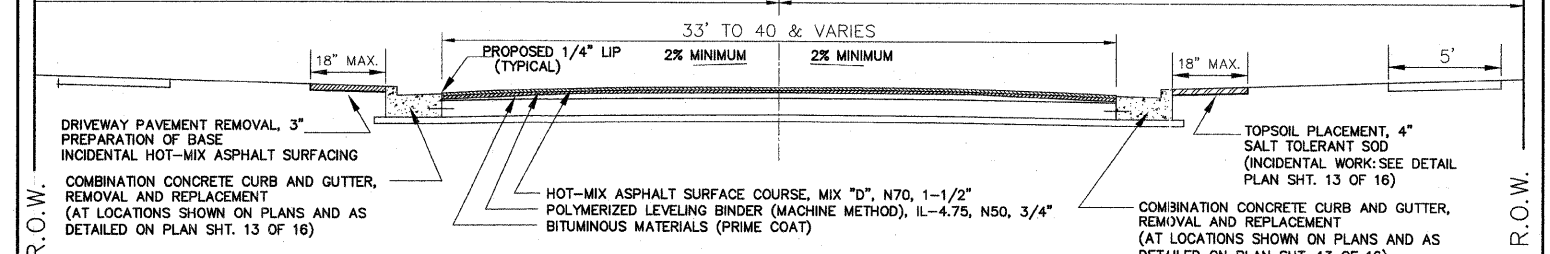
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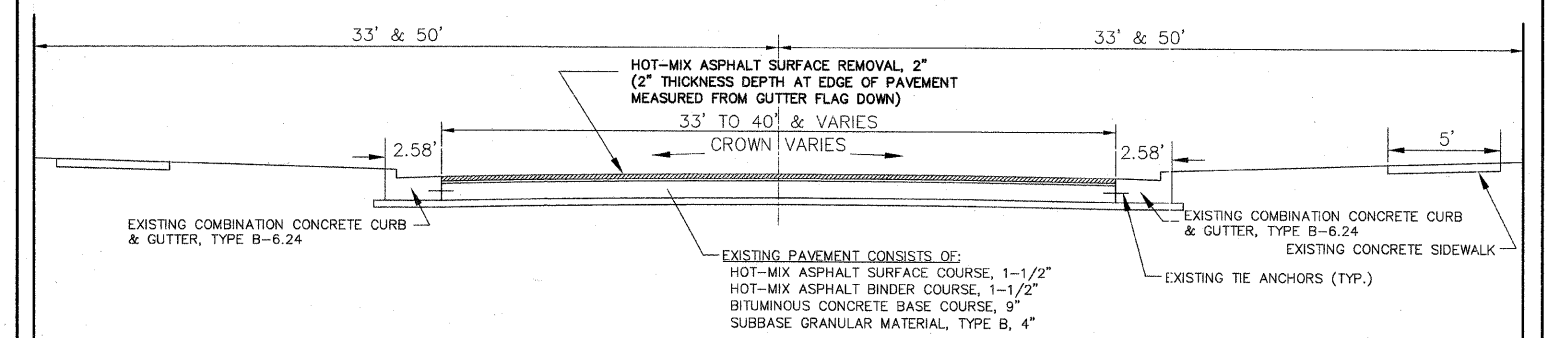
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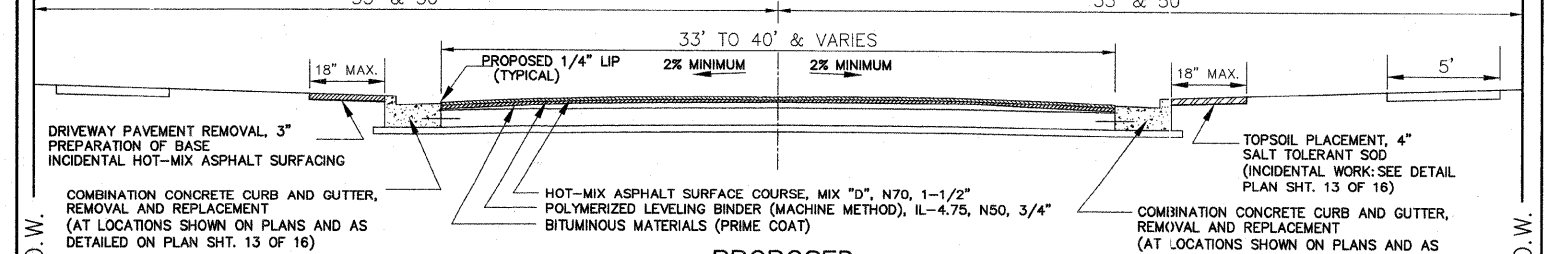
EXISTING STATE ROAD
STA. 8+75 to STA. 60+00



PROPOSED STATE ROAD
STA. 8+75 to STA. 60+00



EXISTING STATE ROAD
STA. 60+00 to STA. 69+23
STA. 71+42 to STA. 80+73



PROPOSED STATE ROAD
STA. 60+00 to STA. 69+23
STA. 71+42 to STA. 80+73

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Civil Engineers/Municipal Consultants
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Illinois Professional Design Firm No. 184-000928

PROJECT CITY OF BURBANK, ILLINOIS
STATE ROAD LAPP RESURFACING
87th STREET to 79th STREET
MFT SECTION NO. 06-00044-00-RS

REVISIONS			
NO.	BY	DATE	DESCRIPTION
1	BAH	12/07	PER IDOT REVIEW

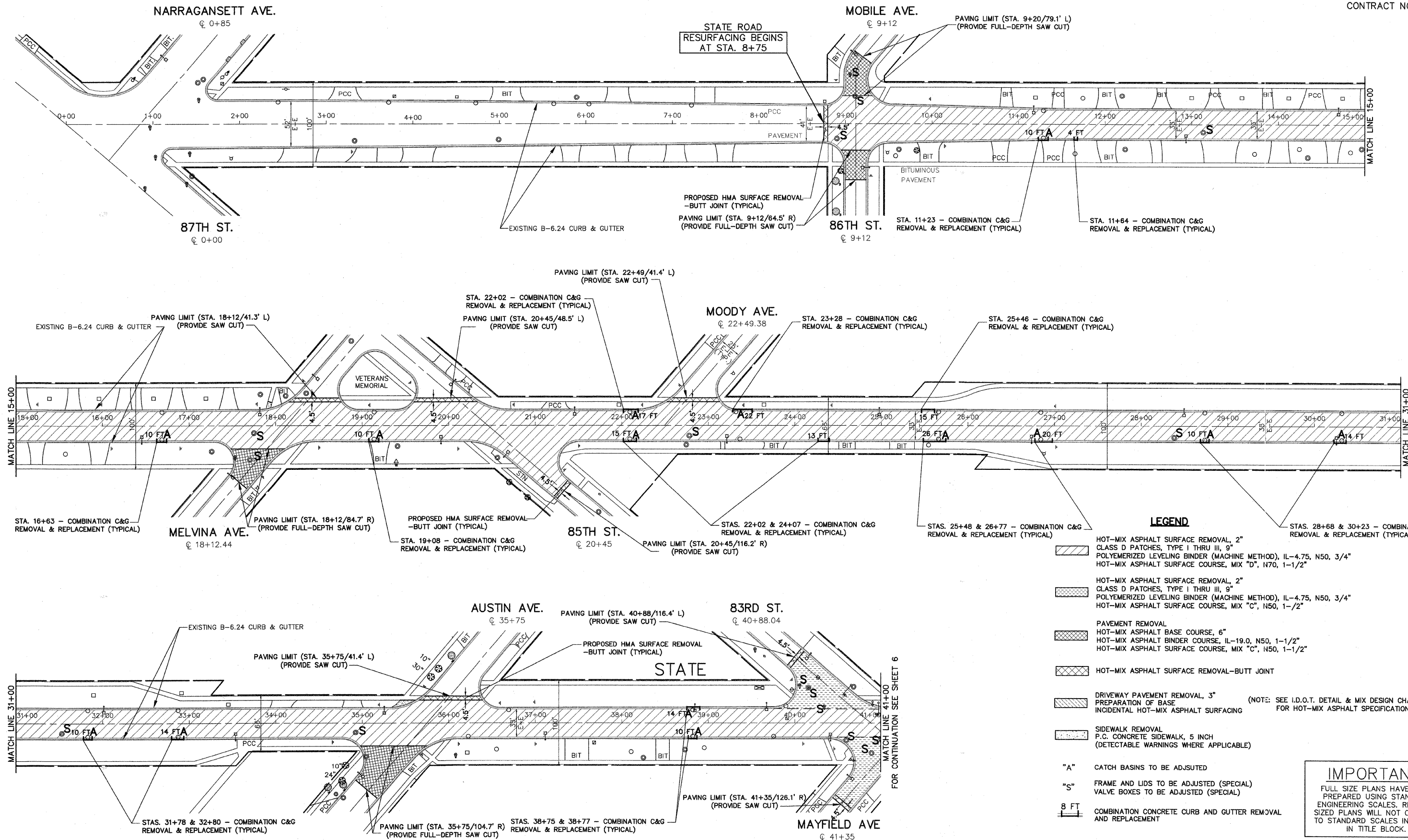
TYPICAL CROSS SECTIONS

PROJECT NO. 05480	SCALE AS NOTED	SHEET 4
DRAWN/DESIGNED JFP/TPG	DATE OCT., 2007	OF 16
CHECKED/APPROVED TPG	FIELD BOOK NO. FILE	SHEETS

ALL STATIONS ARE TAKEN WHERE THE C OF STATE ROAD AND THE C OF THE APPROACHING ROADS INTERSECT. THE OFFSETS ARE MEASURED ALONG THE C OF THE APPROACHING ROAD FROM THE C OF STATE ROAD.

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3577	06-00044-00-RS	COOK	16	5
F. HW. A. REG.	ILLINOIS PROJECT	M-8003(911)		

CONTRACT NO. 63010



LEGEND

	HOT-MIX ASPHALT SURFACE REMOVAL, 2" CLASS D PATCHES, TYPE I THRU III, 9" POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1-1/2"
	HOT-MIX ASPHALT SURFACE REMOVAL, 2" CLASS D PATCHES, TYPE I THRU III, 9" POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4" HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1-1/2"
	PAVEMENT REMOVAL HOT-MIX ASPHALT BASE COURSE, 6" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 1-1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1-1/2"
	HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT
	DRIVEWAY PAVEMENT REMOVAL, 3" PREPARATION OF BASE (NOTE: SEE I.D.O.T. DETAIL & MIX DESIGN CHART FOR HOT-MIX ASPHALT SPECIFICATIONS) INCIDENTAL HOT-MIX ASPHALT SURFACING
	SIDEWALK REMOVAL P.C. CONCRETE SIDEWALK, 5 INCH (DETECTABLE WARNINGS WHERE APPLICABLE)
"A"	CATCH BASINS TO BE ADJUSTED
"S"	FRAME AND LIDS TO BE ADJUSTED (SPECIAL) VALVE BOXES TO BE ADJUSTED (SPECIAL)
	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT

IMPORTANT!
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

Frank Novotny & Associates, Inc.
Civil Engineers/Municipal Consultants
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Illinois Professional Design Firm No. 184-000928

PROJECT CITY OF BURBANK, ILLINOIS
STATE ROAD LAPP RESURFACING
87th STREET TO 79th STREET
MFT SECTION NO. 06-00044-00-RS

REVISIONS

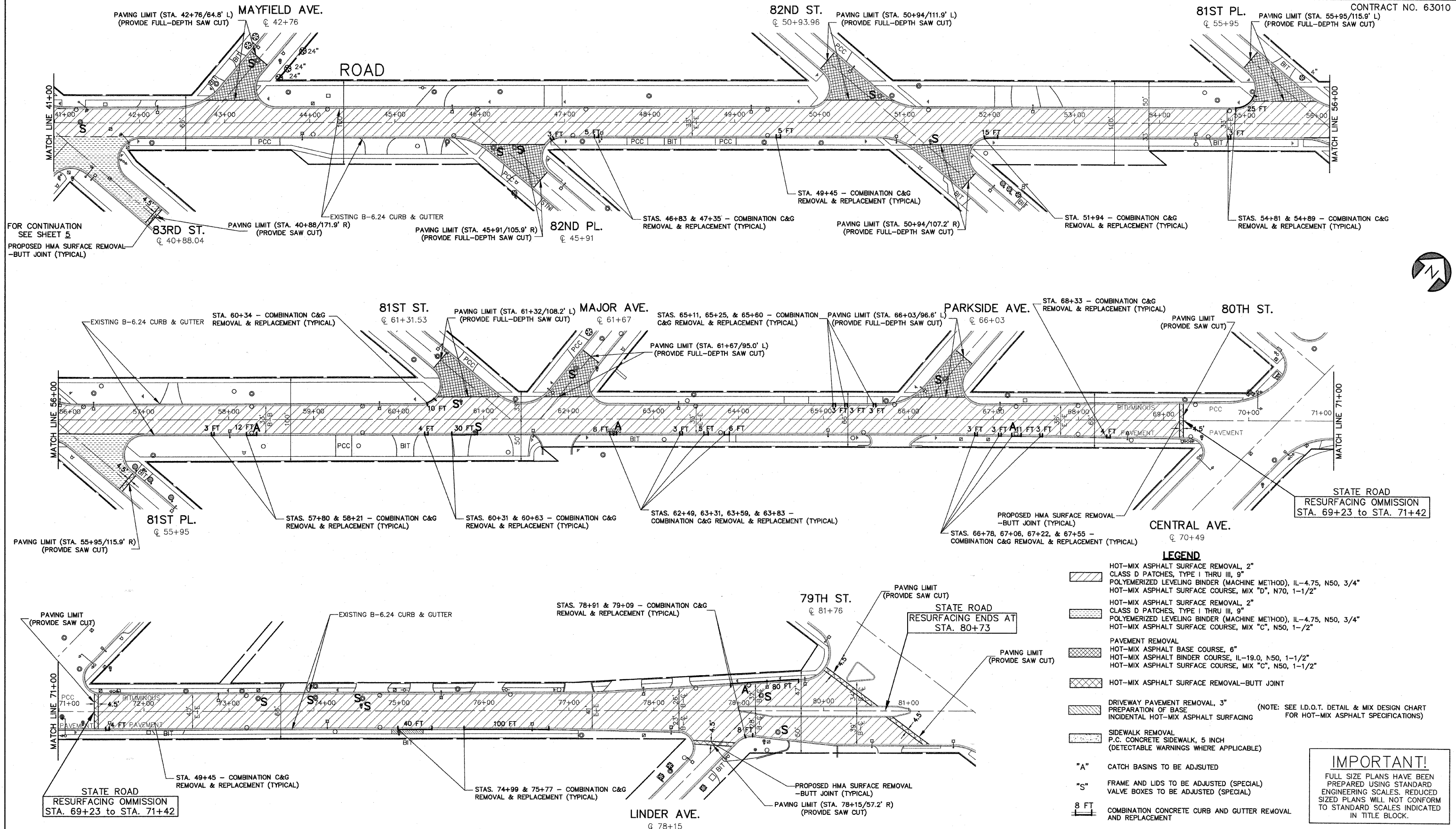
NO.	BY	DATE	DESCRIPTION
1	BAH	12/07	PER IDOT REVIEW

PLAN: STATE ROAD
(RESURFACING)
STA. 8+75 TO STA. 41+00

PROJECT NO. 05480	SCALE 1"=50'	SHEET 5
DRAWN/DESIGNED JFP/TPG	DATE OCT., 2007	OF 16
CHECKED/APPROVED TPG	FIELD BOOK NO. FILE	SHEETS

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3577	06-00044-00-RS	COOK	16	6
F. H.W. A. REG.	ILLINOIS PROJECT	M-8003(911)		

CONTRACT NO. 63010



FOR CONTINUATION SEE SHEET 5
PROPOSED HMA SURFACE REMOVAL - BUTT JOINT (TYPICAL)

STATE ROAD RESURFACING OMISSION STA. 69+23 TO STA. 71+42

LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- CLASS D PATCHES, TYPE I THRU III, 9"
- POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1-1/2"
- HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- CLASS D PATCHES, TYPE I THRU III, 9"
- POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1-1/2"
- PAVEMENT REMOVAL
- HOT-MIX ASPHALT BASE COURSE, 6"
- HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 1-1/2"
- HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1-1/2"
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- DRIVEWAY PAVEMENT REMOVAL, 3"
- PREPARATION OF BASE
- INCIDENTAL HOT-MIX ASPHALT SURFACING (NOTE: SEE I.D.O.T. DETAIL & MIX DESIGN CHART FOR HOT-MIX ASPHALT SPECIFICATIONS)
- SIDEWALK REMOVAL
- P.C. CONCRETE SIDEWALK, 5 INCH (DETECTABLE WARNINGS WHERE APPLICABLE)

- "A" CATCH BASINS TO BE ADJUSTED
- "S" FRAME AND LIDS TO BE ADJUSTED (SPECIAL)
VALVE BOXES TO BE ADJUSTED (SPECIAL)
- 8 FT COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT

IMPORTANT!
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

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Illinois Professional Design Firm No. 184-000928

PROJECT CITY OF BURBANK, ILLINOIS
STATE ROAD LAPP RESURFACING
87th STREET TO 79th STREET
MFT SECTION NO. 06-00044-00-RS

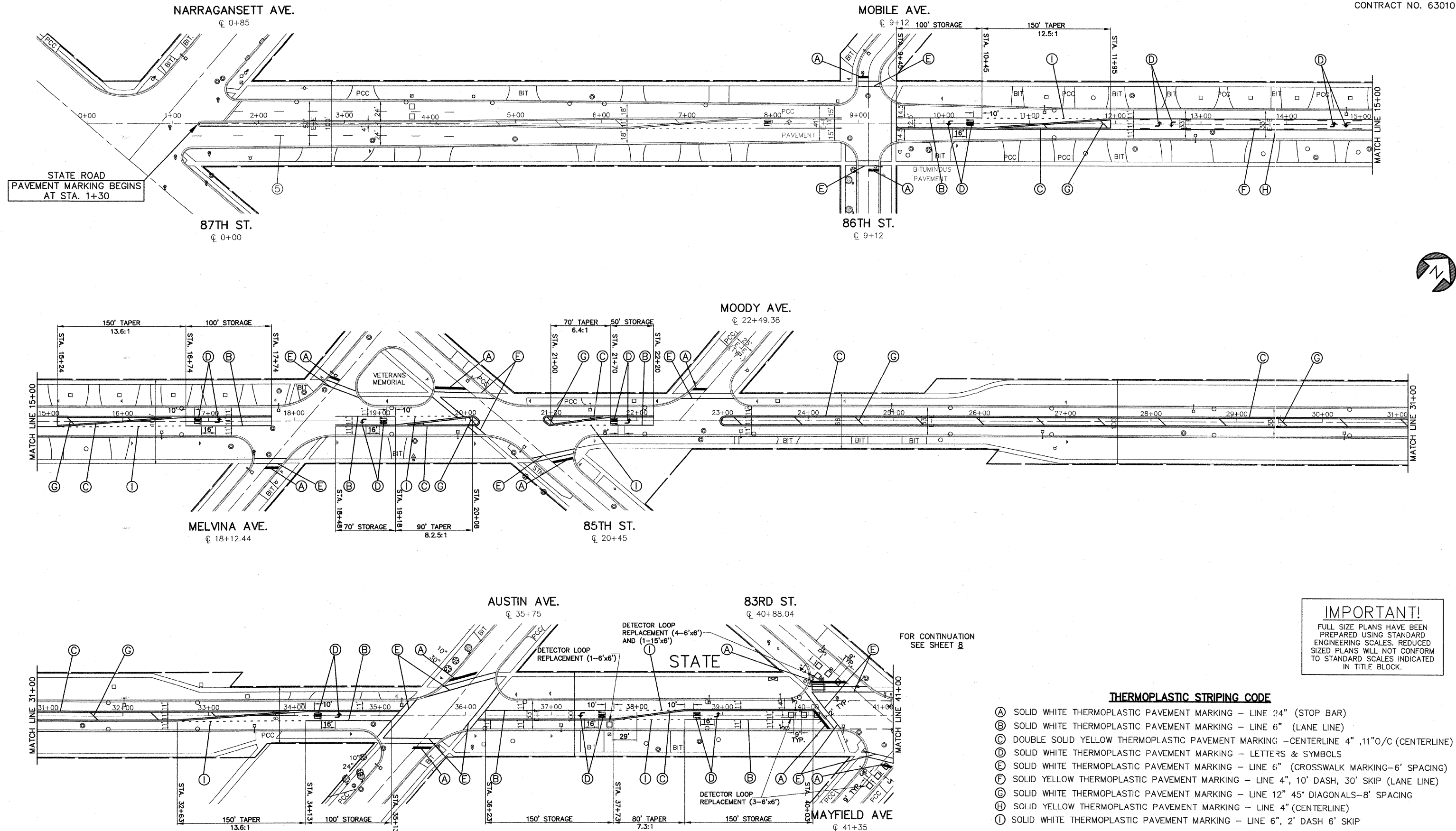
REVISIONS			
NO.	BY	DATE	DESCRIPTION
1	BAH	12/07	PER IDOT REVIEW

PLAN: STATE ROAD
(RESURFACING)
STA. 41+00 TO 79th STREET
(STA. 80+73)

PROJECT NO. 05480	SCALE 1"=50'	SHEET 6
DRAWN/DESIGNED JFP/TPG	DATE OCT., 2007	OF 16
CHECKED/APPROVED TPG	FIELD BOOK NO. FILE	SHEETS

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3577	06-00044-00-RS	COOK	16	7
F. HW. A. REG.	ILLINOIS PROJECT	M-8003(911)		

CONTRACT NO. 63010



IMPORTANT!
 FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

THERMOPLASTIC STRIPING CODE

- (A) SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 24" (STOP BAR)
- (B) SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 6" (LANE LINE)
- (C) DOUBLE SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING - CENTERLINE 4" , 11" O/C (CENTERLINE)
- (D) SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS
- (E) SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 6" (CROSSWALK MARKING-6' SPACING)
- (F) SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING - LINE 4", 10' DASH, 30' SKIP (LANE LINE)
- (G) SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 12" 45' DIAGONALS-8' SPACING
- (H) SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING - LINE 4" (CENTERLINE)
- (I) SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 6", 2' DASH 6' SKIP

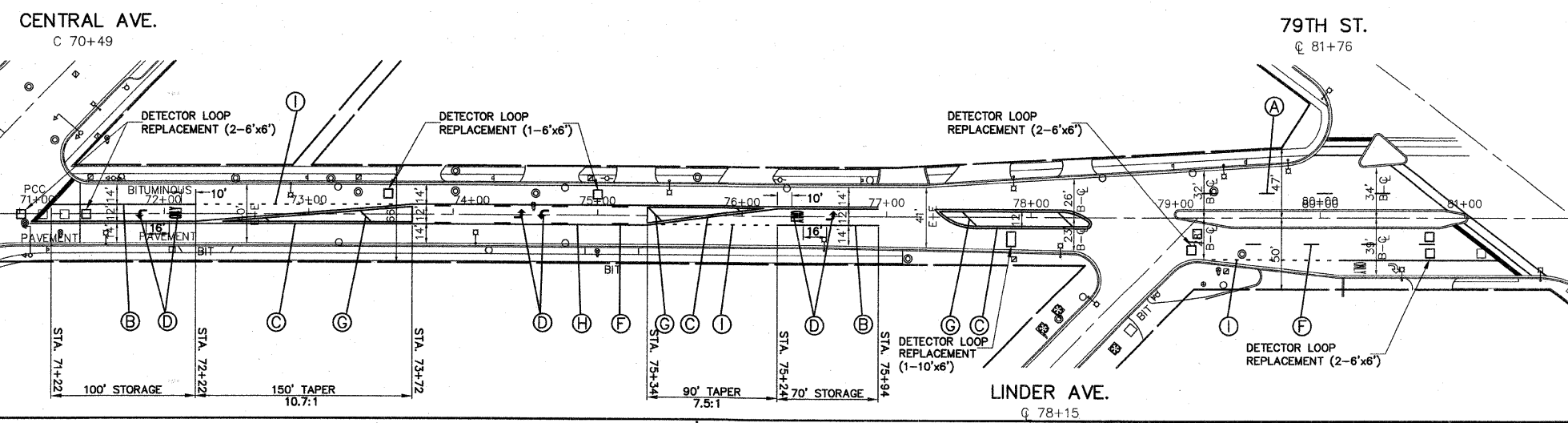
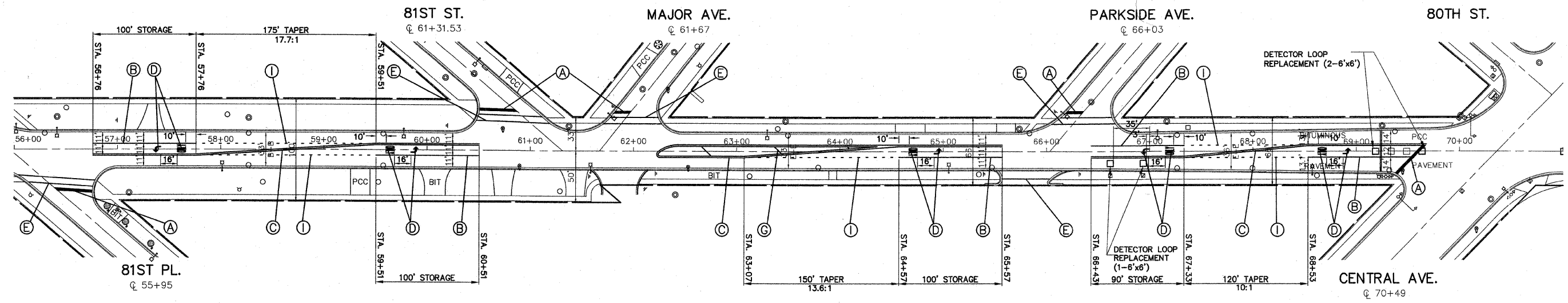
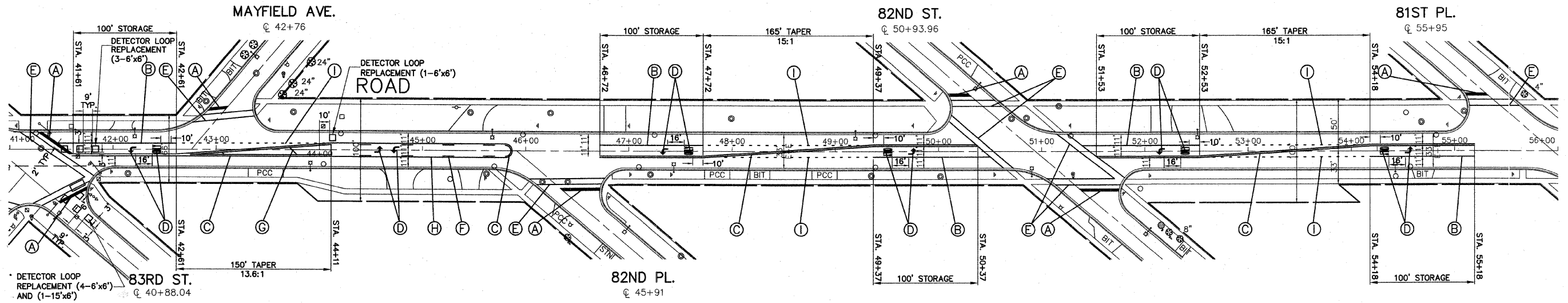
Frank Novotny & Associates, Inc.
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 Illinois Professional Design Firm No. 184-000928

PROJECT
CITY OF BURBANK, ILLINOIS
STATE ROAD LAPP RESURFACING
 87th STREET TO 79th STREET
 MFT SECTION NO. 06-00044-00-RS

REVISIONS			
NO.	BY	DATE	DESCRIPTION
1	BAH	12/07	PER IDOT REVIEW

PLAN: STATE ROAD
 (PAVEMENT MARKING)
 STA. 8+75 TO STA. 41+00

PROJECT NO. 05480	SCALE 1"=50'	SHEET 7
DRAWN/DESIGNED JFP/TPG	DATE OCT., 2007	OF 16
CHECKED/APPROVED TPG	FIELD BOOK NO. FILE	SHEETS



IMPORTANT!
 FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

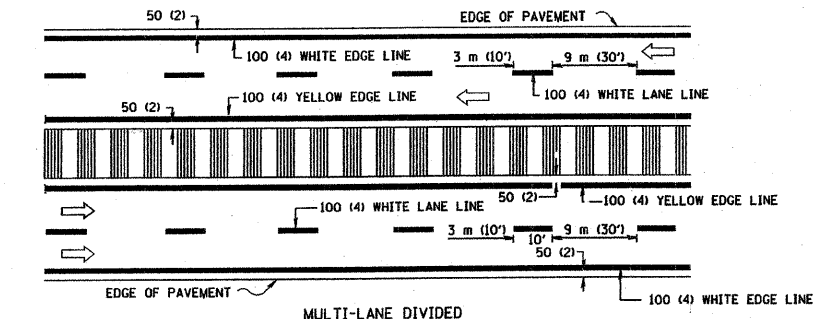
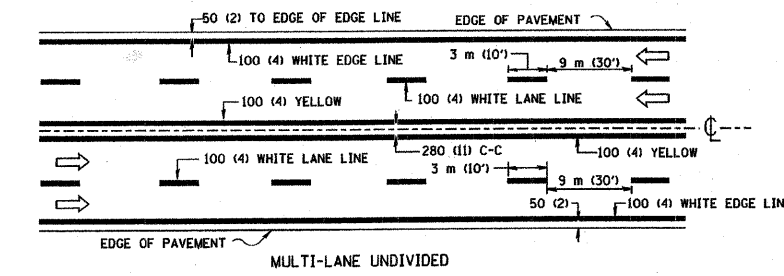
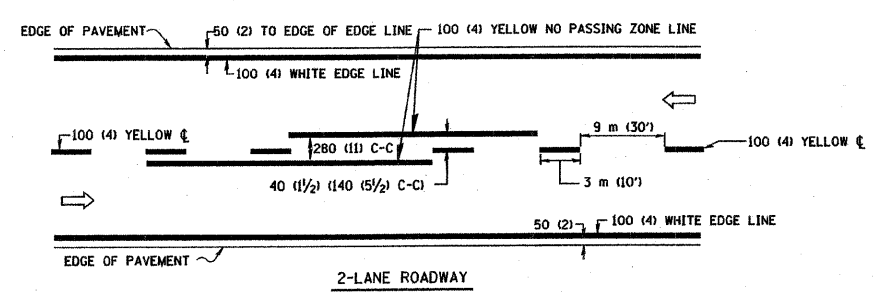
- THERMOPLASTIC STRIPING CODE**
- (A) SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 24" (STOP BAR)
 - (B) SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 6" (LANE LINE)
 - (C) DOUBLE SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING - CENTERLINE 4" ,11"O/C (CENTERLINE)
 - (D) SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS
 - (E) SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 6" (CROSSWALK MARKING-6' SPACING)
 - (F) SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING - LINE 4", 10' DASH, 30' SKIP (LANE LINE)
 - (G) SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 12" 45° DIAGONALS-8' SPACING
 - (H) SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING - LINE 4" (CENTERLINE)
 - (I) SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 6", 2' DASH 6' SKIP

REVISIONS			
NO.	BY	DATE	DESCRIPTION
1	BAH	12/07	PER IDOT REVIEW
1	TPG	1/24/08	PER IDOT REVIEW

PLAN: STATE ROAD
 (PAVEMENT MARKING)
 STA. 41+00 TO 79th STREET
 (STA. 80+07)

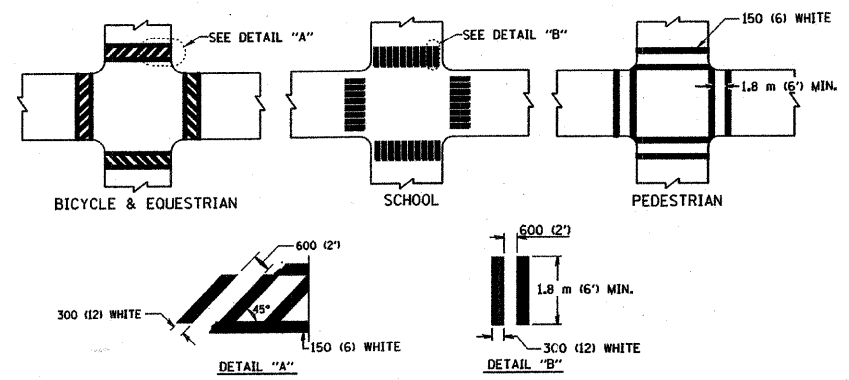
PROJECT NO. 05480	SCALE 1"=50'	SHEET 8
DRAWN/DESIGNED JFP/TPG	DATE OCT., 2007	OF 16
CHECKED/APPROVED TPG	FIELD BOOK NO. FILE	SHEETS

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3577	06-00044--00-RS	COOK	16	9
F. HW. A. REG.	ILLINOIS PROJECT	M-8003(911)	CONTRACT NO. 63010	

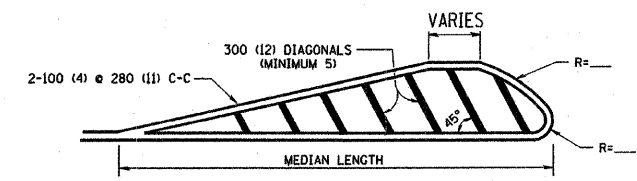
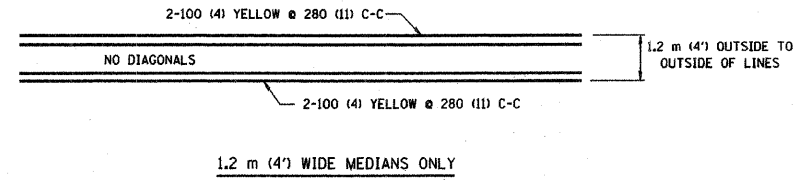


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING



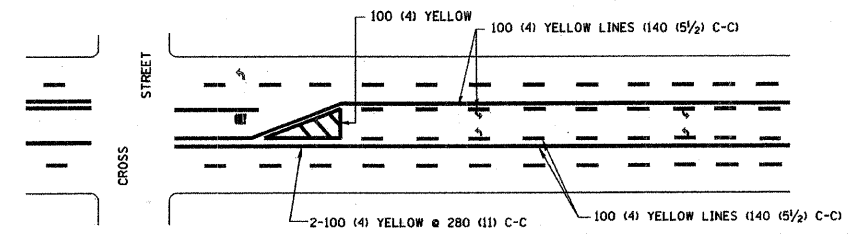
TYPICAL CROSSWALK MARKING



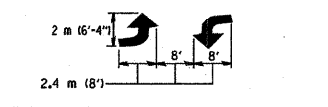
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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))

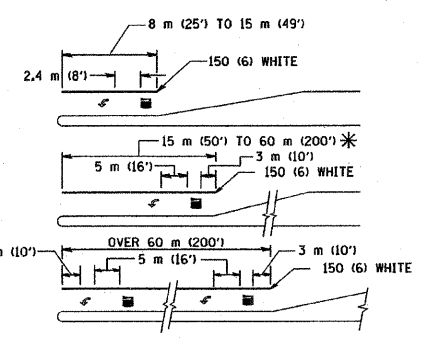
MEDIANS OVER 1.2 m (4') WIDE



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.



TYPICAL PAINTED MEDIAN MARKING

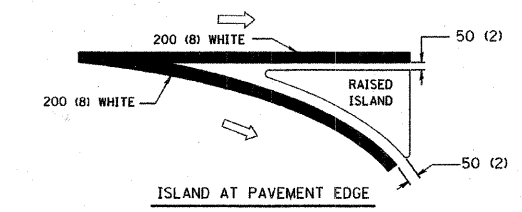
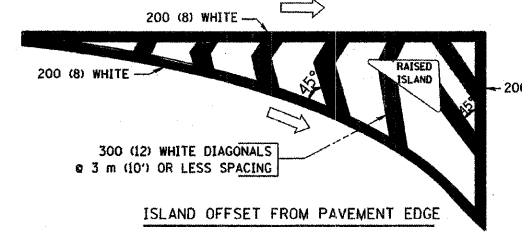


FULL SIZE LETTERS 2.4 m (8') AND ARROWS SHALL BE USED.
 AREA = 1.5 m² (15.6 SQ. FT.) ONLY AREA = 1.9 m² (20.8 SQ. FT.)

* 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 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 T80001 AREA OF: "R"=0.33m ² (3.6 SQ. FT.) EACH "X"=5.0 m ² (54.0 SQ. FT.)
SHOULDER DIAGONALS	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))	SOLID	WHITE - RIGHT YELLOW - LEFT	

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD T80001.

	LARGE SIZE	SMALL SIZE
THROUGH ARROW	1.07 (11.5)	0.60 (6.5)
LEFT OF RIGHT ARROW	1.47 (15.6)	0.60 (6.5)
COMBINATION LEFT (RIGHT) AND THROUGH ARROW	2.42 (28.0)	1.37 (14.7)
RAILROAD "R" 1.8m (6ft.)	0.33 (3.6)	-
RAILROAD "X" 6.1m (20ft.)	5.02(54.0)	-
HANDICAPPED SYMBOL	0.43 (4.6)	-

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DISTRICT ONE
 TYPICAL PAVEMENT MARKINGS

SCALE: NONE
 DATE: 2/15/2006
 DRAWN BY: CADD
 CHECKED BY:
 TC-13
 REVISION DATE: 01/06/00

PLT DATE = 2/15/2006
 FILE NAME = c:\pro\meta\district1\typ13.dgn
 PLOT SCALE = 8x11/28" / 11"
 USER NAME = gajlanobst

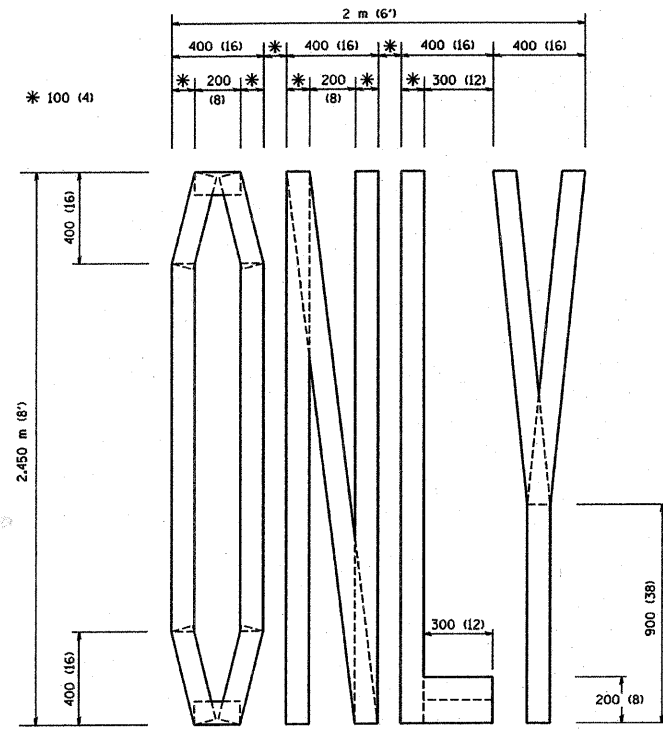
REVISIONS			
NO.	BY	DATE	DESCRIPTION
1	BAH	12/07	PER IDOT REVIEW

DISTRICT ONE
 TYPICAL PAVEMENT MARKINGS

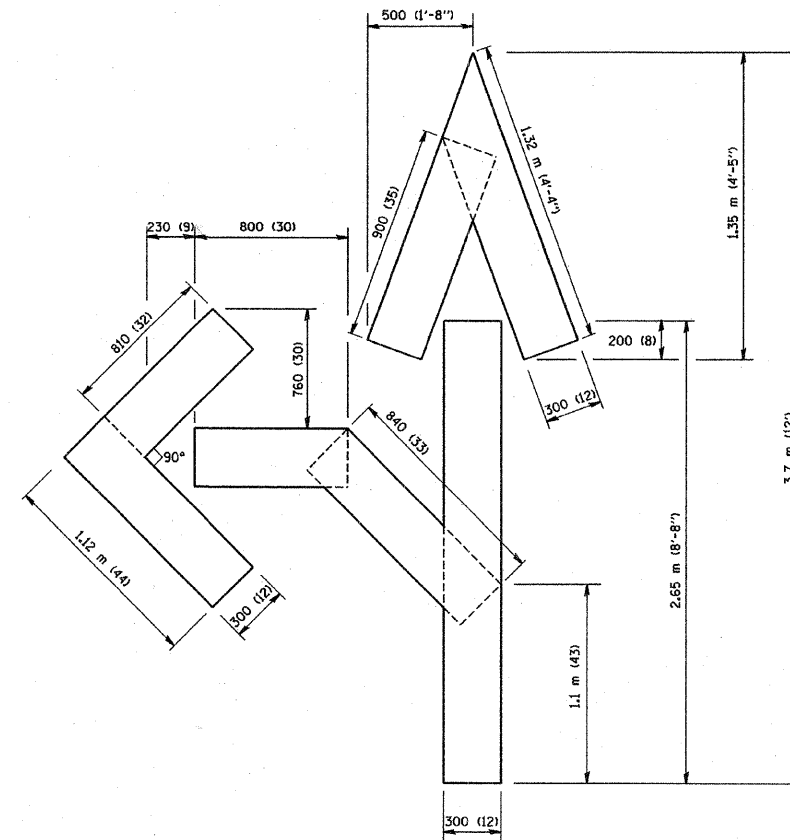
PROJECT NO. 05480	SCALE AS NOTED	SHEET 9
DRAWN/DESIGNED JFP/TPG	DATE OCT., 2007	OF 16
CHECKED/APPROVED TPG	FIELD BOOK NO. FILE	SHEETS

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3577	06-00044-00-RS	COOK	16	10
F. HW. A. REG.	ILLINOIS PROJECT	M-8003(911)		

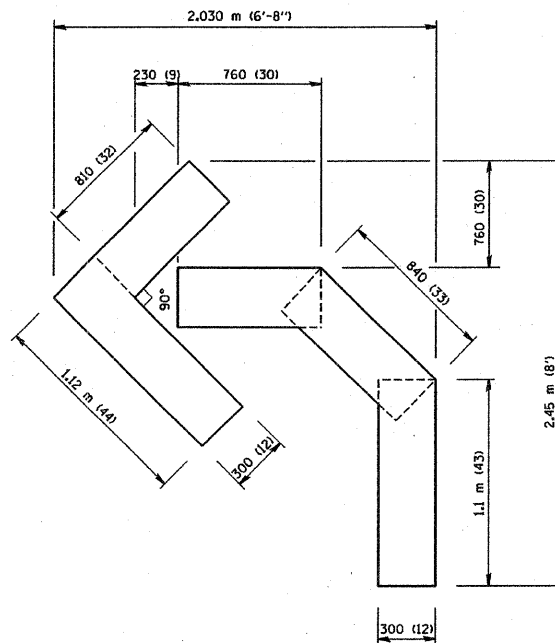
CONTRACT NO. 63010



QUANTITY
 100 (4) LINE = 19.7 m (64.1 ft.)
 1.97 sq. m (21.1 sq. ft.)



QUANTITY
 100 (4) LINE = 25.3 m (82.5 ft.)
 2.53 sq. m (27.5 sq. ft.)



QUANTITY
 100 (4) LINE = 13.9 m (45.5 ft.)
 1.39 sq. m (15.2 sq. ft.)

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

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NO.	DATE	NAME	DATE
T. RAMMACHER	09/18/94		
J. OBERLE	06/01/96		
T. RAMMACHER	06/05/96		
T. RAMMACHER	11/04/97		
T. RAMMACHER	03/02/98		
E. GOMEZ	08/28/00		

SCALE: NONE
 DATE: 2/15/2006

DRAWN BY CADD
 CHECKED BY TC-16
 REVISION DATE: 08/28/00

PLOT DATE = 2/15/2006
 FILE NAME = m:\data\td\16.dgn
 PLOT SCALE = 4849957 / IN.
 PLOT NUMBER = g0100000

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PROJECT CITY OF BURBANK, ILLINOIS
 STATE ROAD LAPP RESURFACING
 87th STREET to 79th STREET
 MFT SECTION NO. 06-00044-00-RS

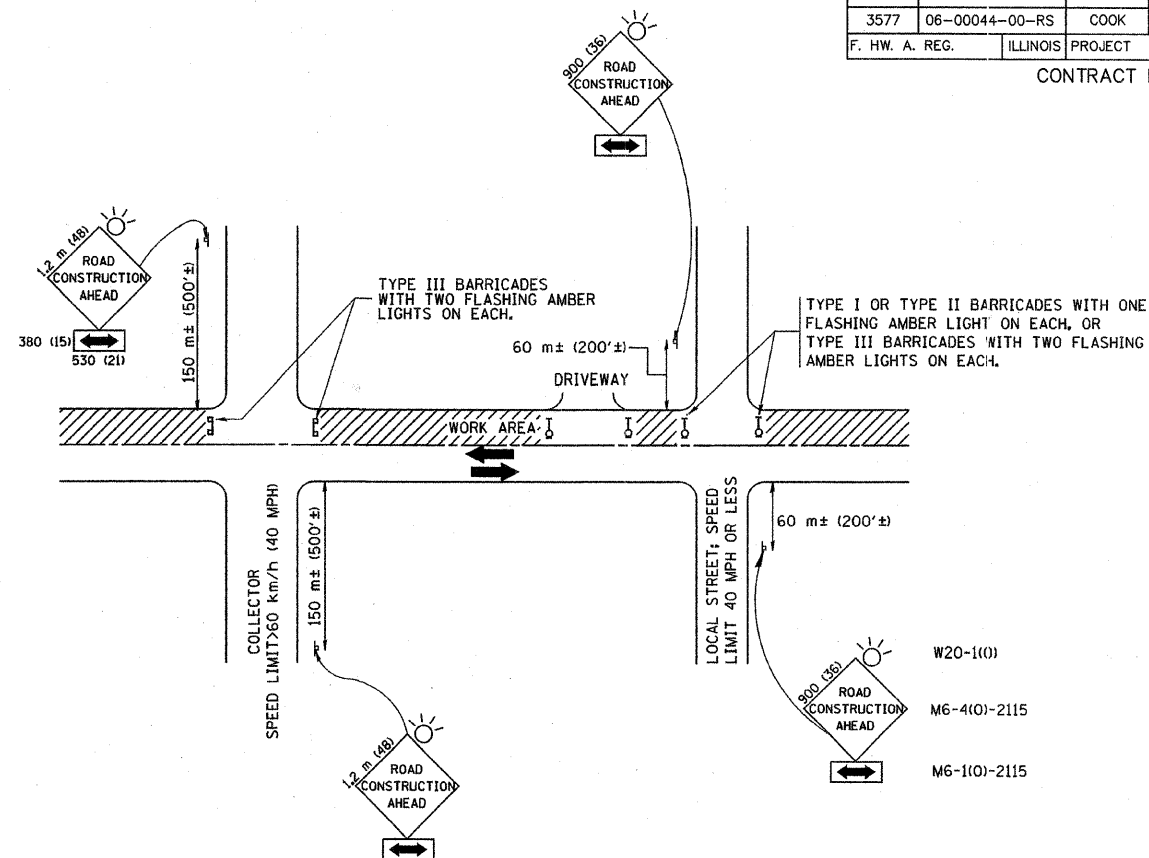
REVISIONS			
NO.	BY	DATE	DESCRIPTION
1	BAH	12/07	PER IDOT REVIEW

PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING

PROJECT NO. 05480	SCALE AS NOTED	SHEET 10 OF 16 SHEETS
DRAWN/DESIGNED JFP/TPG	DATE OCT., 2007	
CHECKED/APPROVED TPG	FIELD BOOK NO. FILE	

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3577	06-00044-00-RS	COOK	16	11
F. HW. A. REG.	ILLINOIS PROJECT	M-8003(911)		

CONTRACT NO. 63010



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. 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		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS	
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: DRAWN BY
DATE: 2/15/2006 CHECKED BY

TC-10
REVISION DATE: 01/05/00

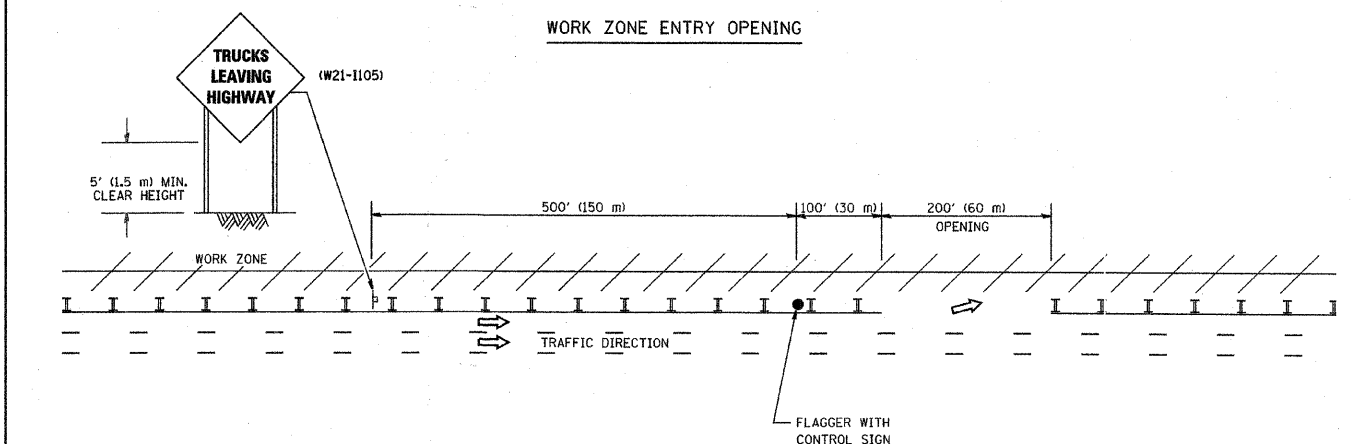
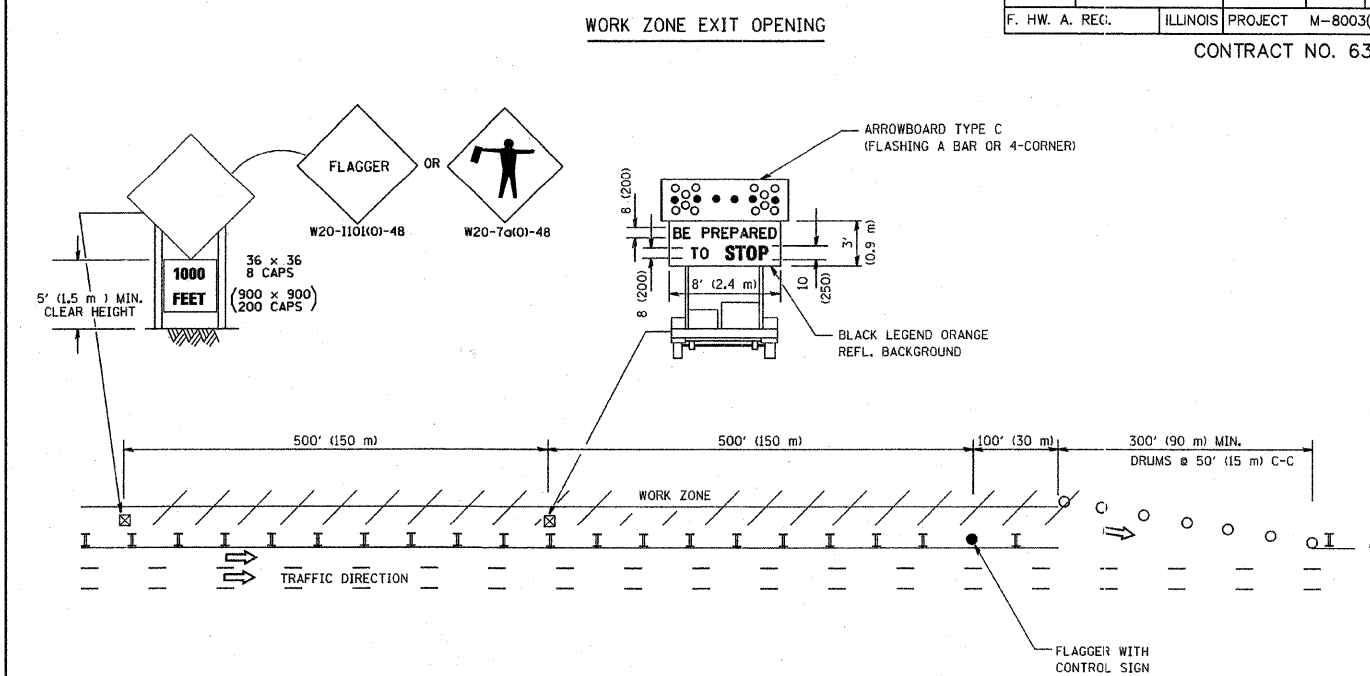
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PLOT USER = spj/erobst

REVISIONS			
NO.	BY	DATE	DESCRIPTION
1	BAH	12/07	PER IDOT REVIEW

PROJECT NO. 05480	SCALE AS NOTED
DRAWN/DESIGNED JFP/TPG	DATE OCT., 2007
CHECKED/APPROVED TPG	FIELD BOOK NO. FILE

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3577	06-00044-00-RS	COOK	16	12
F. HW. A. REC.	ILLINOIS PROJECT	M-8003(911)	CONTRACT NO. 63010	



NOTES:

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

REVISIONS	
NO.	DATE
DWS	8/98
JAF	4/03
JAF	2/06
SPB	1/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

SCALE: NONE
DATE: 1/4/2007
DRAWN BY CADD
CHECKED BY TC-18

DATE = 1/4/2007
FILE NAME = c:\p\projects\adhd\adhd.dgn
PLOT SCALE = 50.000 / IN.
USER NAME = jrenerf

Frank Novotny & Associates, Inc.
Civil Engineers/Municipal Consultants
825 Midway Drive • Willowbrook, IL • 60527 • Telephone: (630) 887-8640 • Fax: (630) 887-0132
Illinois Professional Design Firm No. 184-000928

PROJECT CITY OF BURBANK, ILLINOIS
STATE ROAD LAPP RESURFACING
87th STREET to 79th STREET
MFT SECTION NO. 06-00044-00-RS

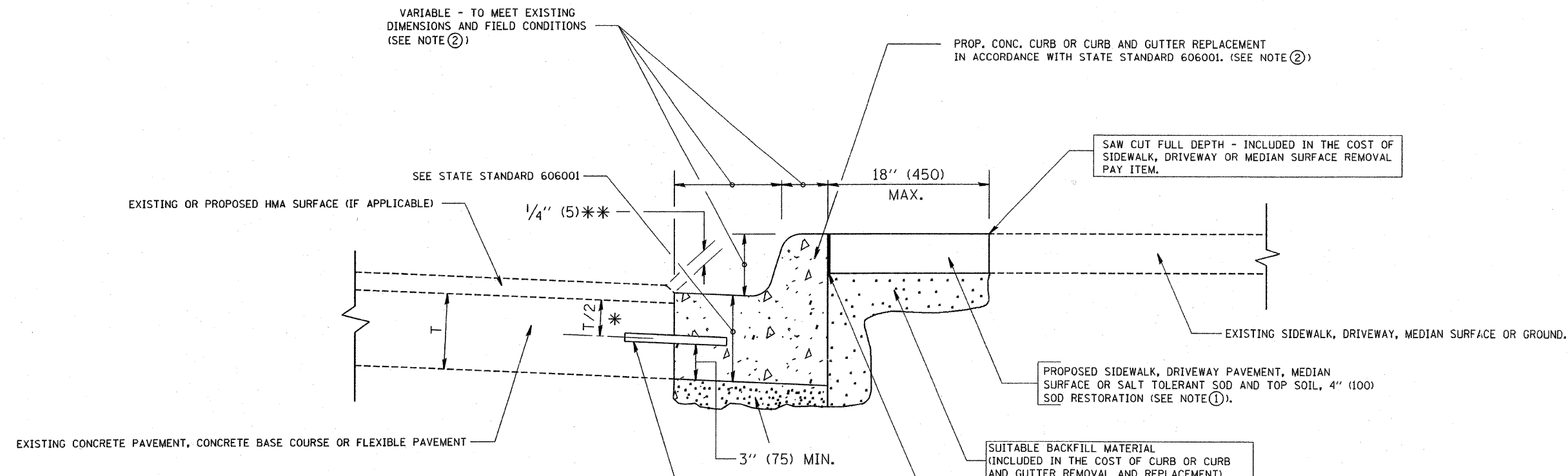
REVISIONS			
NO.	BY	DATE	DESCRIPTION
1	BAH	12/07	PER IDOT REVIEW

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

PROJECT NO. 05480	SCALE AS NOTED	SHEET 12
DRAWN/DESIGNED JFP/TPG	DATE OCT., 2007	OF 16
CHECKED/APPROVED TPG	FIELD BOOK NO. FILE	SHEETS

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3577	06-00044-00-RS	COOK	16	13
F. HW. A. REG.	ILLINOIS	PROJECT	M-8003(911)	

CONTRACT NO. 63010



- * 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.

UNUSABLE 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 USABLE 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.

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

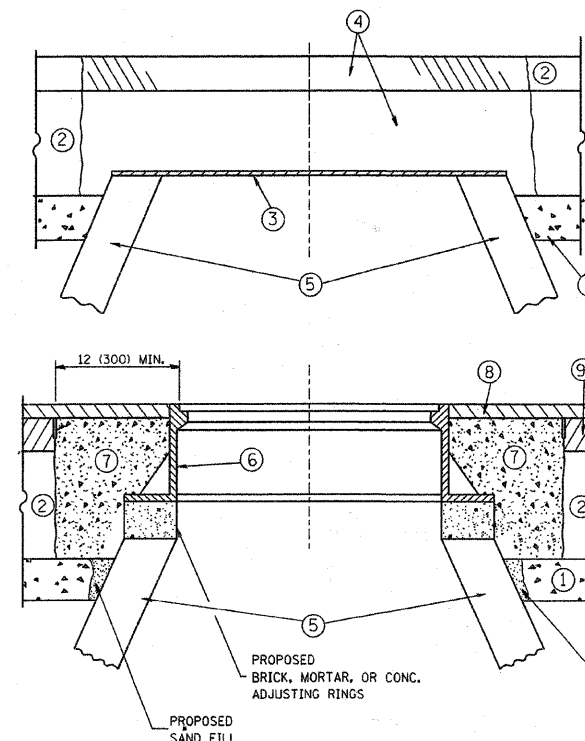
SCALE: VERT. NONE
HORIZ. 1"=27'2006
DRAWN BY
CHECKED BY

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

REVISIONS			
NO.	BY	DATE	DESCRIPTION
1	BAH	12/07	PER IDOT REVIEW

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3577	06--00044--00--RS	COOK	16	14
F. HW. A. REG.	ILLINOIS	PROJECT	M-8003(911)	

CONTRACT NO. 63010



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS S1 CONCRETE, OR HMA SURFACE COURSE OR HMA BINDER COURSE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

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

LEGEND

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

LOCATION OF STRUCTURES:

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

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

NOTES:

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

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

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

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

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

REVISIONS	
NAME	DATE
R. SHAH	10/25/94
R. SHAH	01/30/95
R. SHAH	03/10/95
A. ABBAS	03/21/97
R. WIEDEMAN	05/14/04
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

SCALE: VERT. NONE
HORIZ. PLOT DATE: 10/31/2006

DRAWN BY
CHECKED BY

BD600-03 (BD-B)
REVISION DATE: 01/01/07

REVISIONS			
NO.	BY	DATE	DESCRIPTION
1	BAH	12/07	PER IDOT REVIEW

DETAILS FOR FRAMES & LIDS ADJUSTMENT WITH MILLING

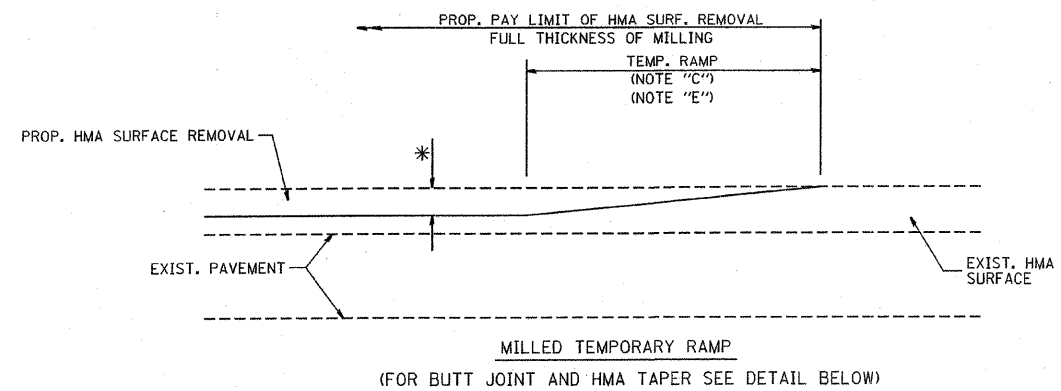
PROJECT NO. 05480	SCALE AS NOTED	SHEET 14 OF 16 SHEETS
DRAWN/DESIGNED JFP/TPG	DATE OCT., 2007	
CHECKED/APPROVED TPG	FIELD BOOK NO. FILE	

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Civil Engineers/Municipal Consultants
825 Midway Drive ♦ Willowbrook, IL ♦ 60527 ♦ Telephone: (630) 887-8640 ♦ Fax: (630) 887-0132
Illinois Professional Design Firm No. 184-000928

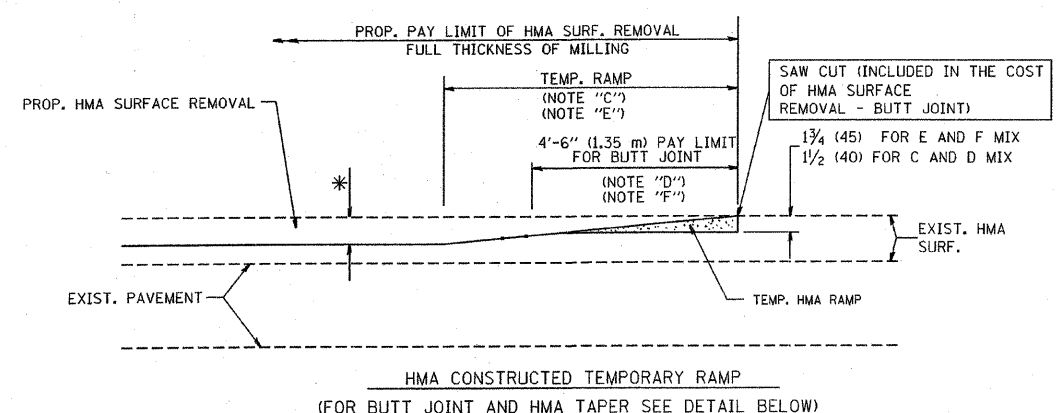
PROJECT CITY OF BURBANK, ILLINOIS
STATE ROAD LAPP RESURFACING
87th STREET TO 79th STREET
MFT SECTION NO. 06-00044-00-RS

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3577	06-00044-00-RS	COOK	16	15
F. HW. A. REG.	ILLINOIS	PROJECT	M-8003(911)	

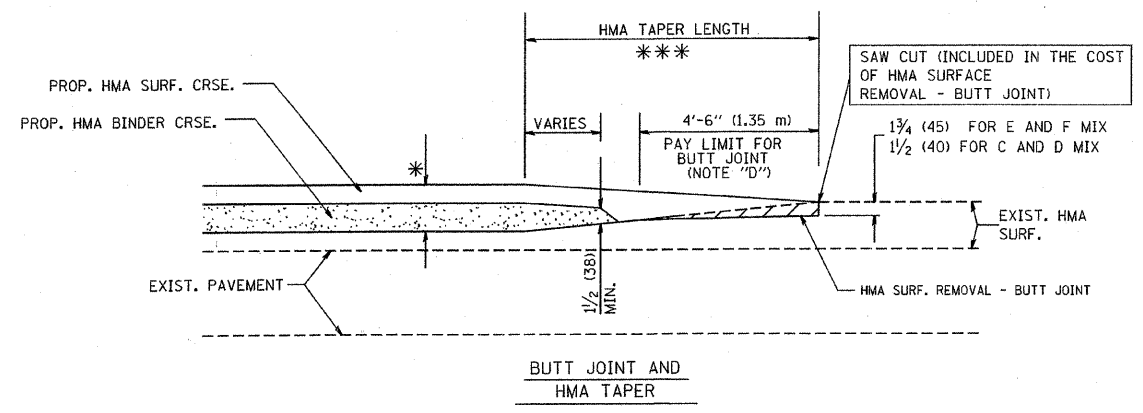
CONTRACT NO. 63010



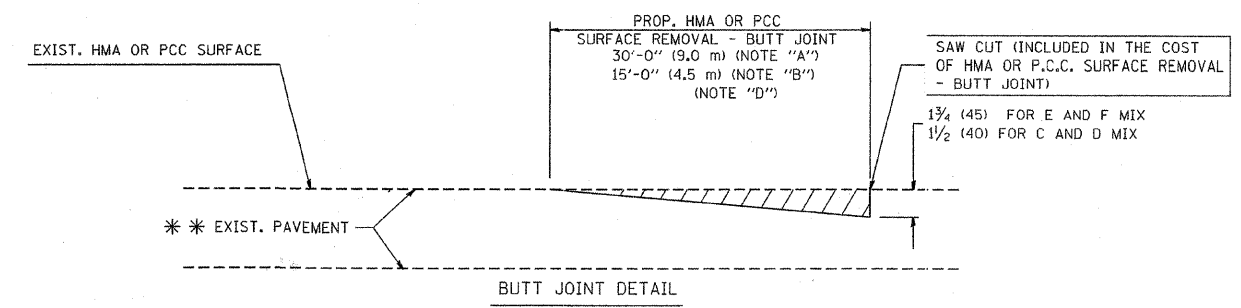
OPTION 1



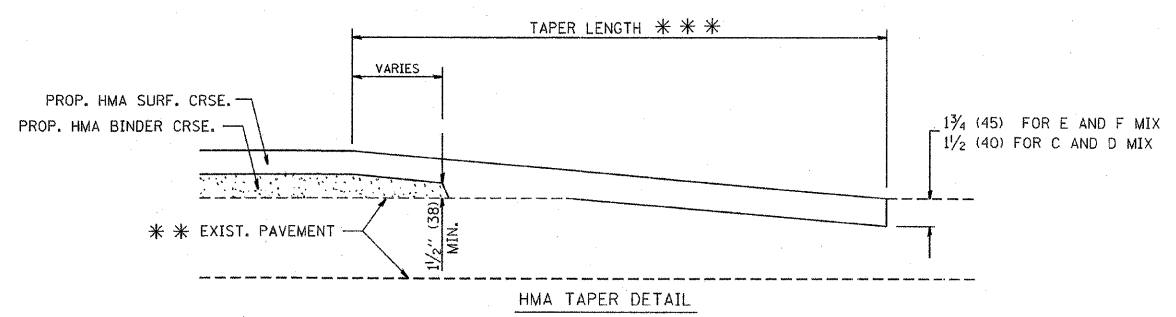
OPTION 2
TYPICAL TEMPORARY RAMP



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 (SQURE 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. NONE
PLOT DATE: 10/31/2006

DRAWN BY
CHECKED BY

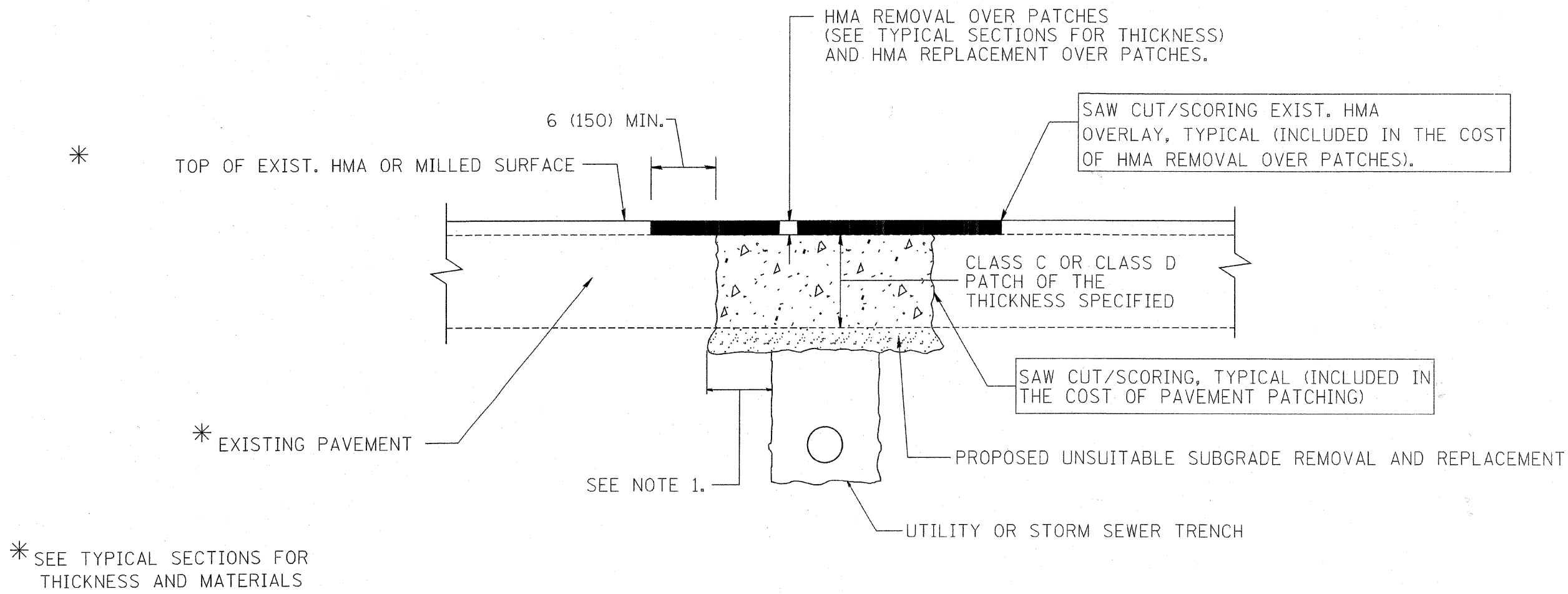
BD400-05 (VI-BD32)
REVISION DATE: 01/01/07

REVISIONS			
NO.	BY	DATE	DESCRIPTION
1	BAH	12/07	PER IDOT REVIEW

BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS

PROJECT NO. 05480	SCALE AS NOTED	SHEET 15
DRAWN/DESIGNED JFP/TPG	DATE OCT., 2007	OF 16
CHECKED/APPROVED TPG	FIELD BOOK NO. FILE	SHEETS

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3577	06-00044-00-RS	COOK	16	16
F. HW. A. REC.		ILLINOIS PROJECT	M-8003(911)	
CONTRACT NO. 63010				



NOTES:

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

SEQUENCE OF CONSTRUCTION

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE FULL DEPTH PATCHES
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

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

REVISIONS	
NAME	DATE
R. SHAH	10/25/94
R. SHAH	01/14/95
R. SHAH	03/23/95
R. SHAH	04/24/95
A. HOUSEH	03/15/96
A. ABBAS	03/21/97
A. ABBAS	01/20/98
ART ABBAS	04/27/98
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
**PAVEMENT PATCHING FOR
 HMA SURFACED
 PAVEMENT**
 SCALE: VERT. NONE
 HORIZ. PLOT DATE: 10/31/2006
 DRAWN BY
 CHECKED BY

BD400-04 (BD-22)
 REVISION DATE: 01/01/07

REVISIONS			
NO.	BY	DATE	DESCRIPTION
1	BAH	12/07	PER IDOT REVIEW