

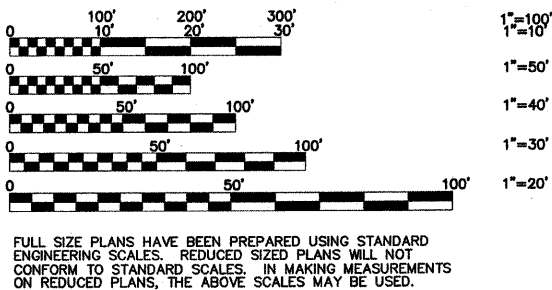
**INDEX TO SHEETS**

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- 2.) CONSTRUCTION NOTES, SUMMARY OF QUANTITIES
- 3.) TYPICAL CROSS SECTIONS, HOT-MIX ASPHALT MIXTURE REQUIREMENT, TYPICAL DRIVEWAY DETAIL
- 4.) PLAN: 127th STREET (RESURFACING) - NEW AVE. TO STA. 30+00
- 5.) PLAN: 127th STREET (RESURFACING) - STA. 30+00 TO SMITH ROAD
- 6.) PLAN: 127th STREET (PAVEMENT MARKINGS) - NEW AVE. TO STA. 30+00
- 7.) PLAN: 127th STREET (PAVEMENT MARKINGS) - STA. 30+00 TO SMITH ROAD
- 8.) DISTRICT ONE TYPICAL PAVEMENT MARKINGS
- 9.) PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
- 10.) TRAFFIC CONTROL AND PROTECTION FOR SIDEROADS, INTERSECTIONS, AND DRIVEWAYS
- 11.) SIGNING FOR FLAGGING OPERATION AT WORK ZONE OPENINGS
- 12.) BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS

**STATE STANDARDS**

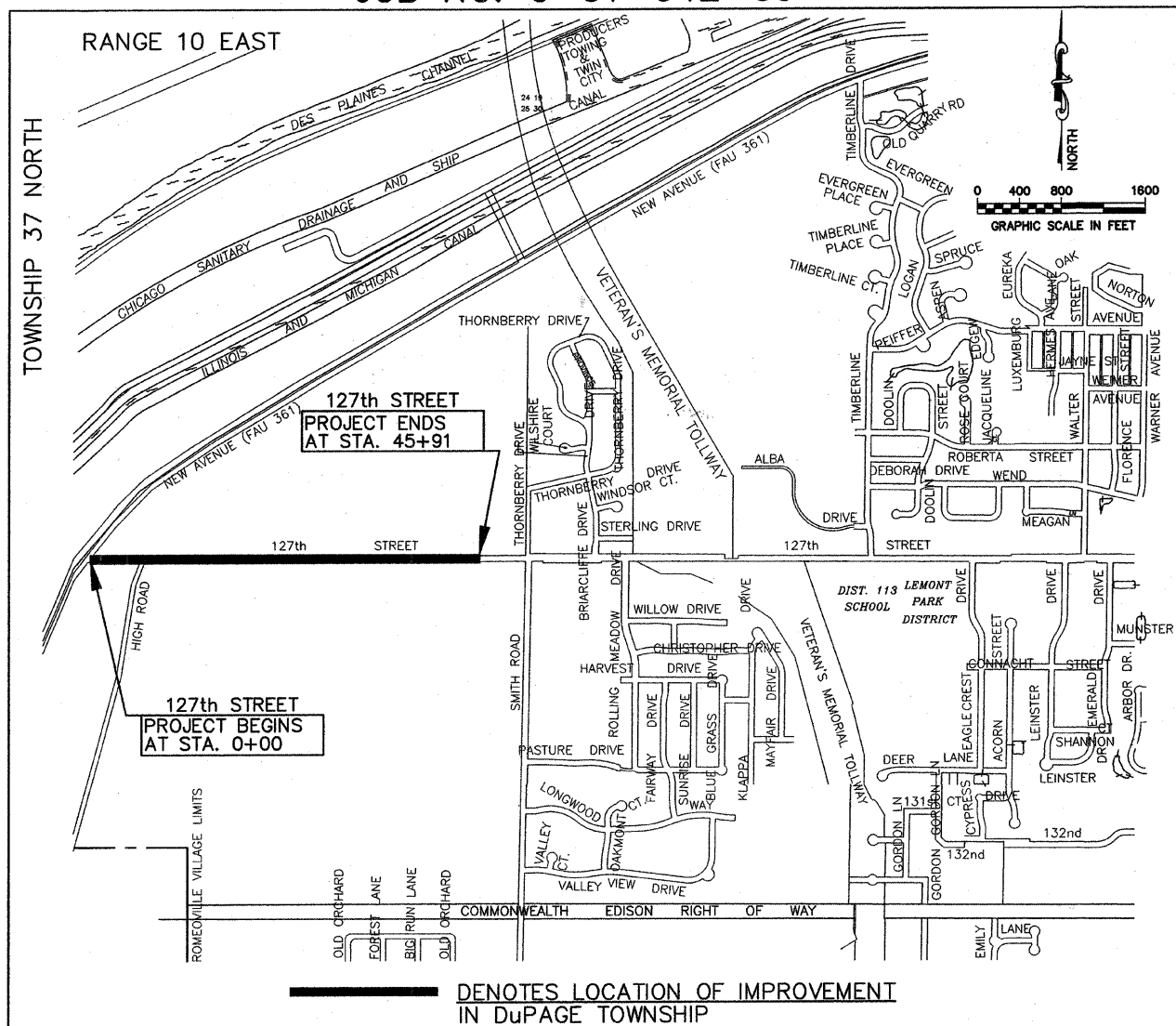
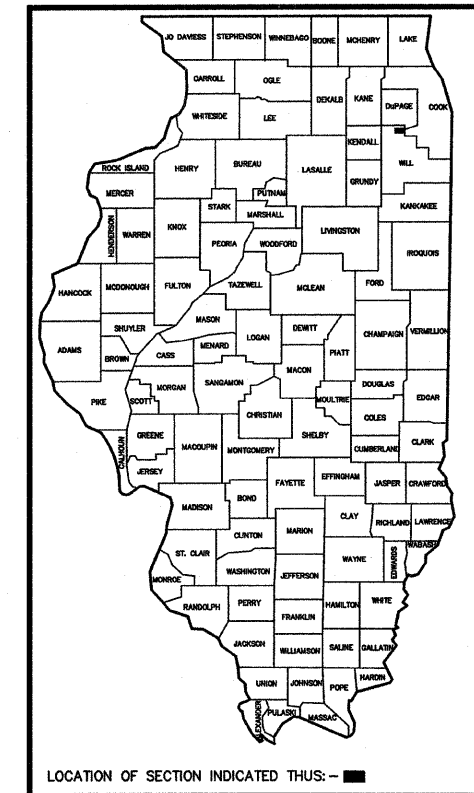
- 00001-05 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
- 442201-03 CLASS C AND D PATCHES
- 701301-03 LANE CLOSURE, 2 L, 2 W, SHORT TIME OPERATIONS
- 701501-05 URBAN LANE CLOSURE, 2 L, 2 W UNDIVIDED
- 701901-01 TRAFFIC CONTROL DEVICES
- 780001-02 TYPICAL PAVEMENT MARKINGS
- 781001-03 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

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



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
**PLANS FOR PROPOSED  
FEDERAL AID HIGHWAY**  
127TH STREET (FAU ROUTE 3774)  
FROM NEW AVE. (FAU 361) TO SMITH RD.  
LAPP RESURFACING  
FEDERAL PROJECT M-9003 (096)  
SECTION NO. 08-00045-00-RS  
VILLAGE OF LEMONT  
WILL COUNTY  
JOB NO. C-91-042-09

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 3774	08-00045-00-RS	WILL	12	1
F.H.W.A. REG.	ILLINOIS PROJECT	M-9003(096)	CONTRACT NO. 63175	



— DENOTES LOCATION OF IMPROVEMENT  
IN DuPAGE TOWNSHIP

**LOCATION MAP**

**LENGTH OF PROJECT**

GROSS LENGTH OF PROJECT 4575 FEET (0.8665 MILES)  
NET LENGTH OF PROJECT 4575 FEET (0.8665 MILES)

CONTRACT NO. 63175

REVISIONS			
NO.	BY	DATE	DESCRIPTION
1	THK	4/02/09	PER I.D.Q.T. REVIEW

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

APPROVED \_\_\_\_\_ 20 09

VILLAGE PRESIDENT John F. Piazza  
JOHN F. PIAZZA, MAYOR

PASSED APRIL 06, 2009  
Chris H. ...  
DISTRICT #1 ENGINEER OF LOCAL ROADS & STREETS

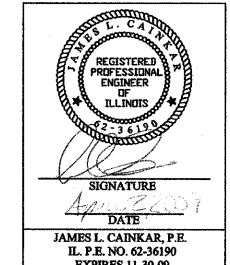
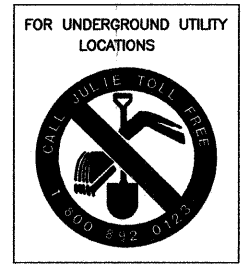
RELEASING FOR BID  
BASED ON LIMITED  
REVIEW APRIL 6, 2009  
Diana M. O'Keefe  
DEPUTY DIRECTOR OF HIGHWAYS, REGION #1 ENGINEER

PROJECT LOCATED IN THE  
VILLAGE OF LEMONT

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

SEE SHEET 3 FOR  
DESIGN DETAILS

TRAFFIC DATA:  
ADT (2007): 1300  
POSTED SPEED LIMIT = 25 MPH  
DESIGN SPEED LIMIT = 25 MPH



**Frank Novotny & Associates, Inc.**  
825 Midway Drive • Willowbrook, IL • 60527 • Telephone: (630) 887-8640 • Fax: (630) 887-0132  
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-000828

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 3774	08-00045-00-RS	WILL	12	2
F.H.W.A. REG.	ILLINOIS	PROJECT	M-9003(096)	

CONTRACT NO. 63175

**GENERAL CONSTRUCTION NOTES**  
**PAVING AND STORM SEWERS**

**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.

**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.

**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.

**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.

**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".

**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.

**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. SAW CUTTING FOR PATCHES WILL BE INCIDENTAL TO THE PATCHING ITEM.

**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.  
ALL ITEMS ASSOCIATED WITH CURB AND GUTTER, DRIVEWAYS AND PATCHING WILL NOT EXCEED THE QUANTITIES LISTED IN THE SUMMARY OF QUANTITIES.

**SUMMARY OF QUANTITIES**

Item No	Description	Unit	Quantity	Construction Code 1000
48101200	Aggregate Shoulders, Type B	TON	625.0	
40600200	Bituminous Materials (Prime Coat)	TON	5.4	
40600300	Aggregate (Prime Coat)	TON	12.9	
40600625	Leveling Binder (Machine Method), N50	TON	722.0	
40600895	Constructing Test Strip	EACH	1.0	
40600982	Hot-Mix Asphalt Surface Removal - Butt Joint	SQ YD	604.0	
40603310	Hot-Mix Asphalt Surface Course, Mix "C", N50	TON	1,510.0	
40800050	Incidental Hot-Mix Asphalt Surfacing	TON	114.0	
44201765	Class D Patches, Type II, 10 Inch	SQ YD	88.0	
44201769	Class D Patches, Type III, 10 Inch	SQ YD	236.0	
44201771	Class D Patches, Type IV, 10 Inch	SQ YD	2,700.0	
44300300	Area Reflective Crack Control Treatment, System A	SQ YD	12,887.0	
67100100	Mobilization	L. SUM	1.0	
70101700	Traffic Control and Protection	L. SUM	1.0	
70106800	Changeable Message Sign	CAL MO	2.0	
70300100	Short-Term Pavement Marking	FOOT	830.0	
* 78000200	Thermoplastic Pavement Marking - Line 4"	FOOT	18,605.0	
* 78000650	Thermoplastic Pavement Marking - Line 24"	FOOT	53.0	
* XX006257	Recessed Reflective Pavement Marker	EACH	118.0	

\* Specialty Items

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Illinois Professional Design Firm No. 184-000928

PROJECT  
**VILLAGE OF LEMONT, ILLINOIS**  
**127TH STREET LAPP RESURFACING**  
SECTION 08-00045-00-RS

R E V I S I O N S				
NO.	BY	DATE	DESCRIPTION	
1	THK	4/02/09	PER I.D.O.T. REVIEW	

CONSTRUCTION NOTES  
SUMMARY OF QUANTITIES

PROJECT NO. 08152	SCALE NONE	SHEET 2 OF 12 SHEETS
DRAWN/DESIGNED JEP-JFP/THK	DATE FEB., 2009	
CHECKED/APPROVED JFP/JLC	FIELD BOOK NO. FILE	

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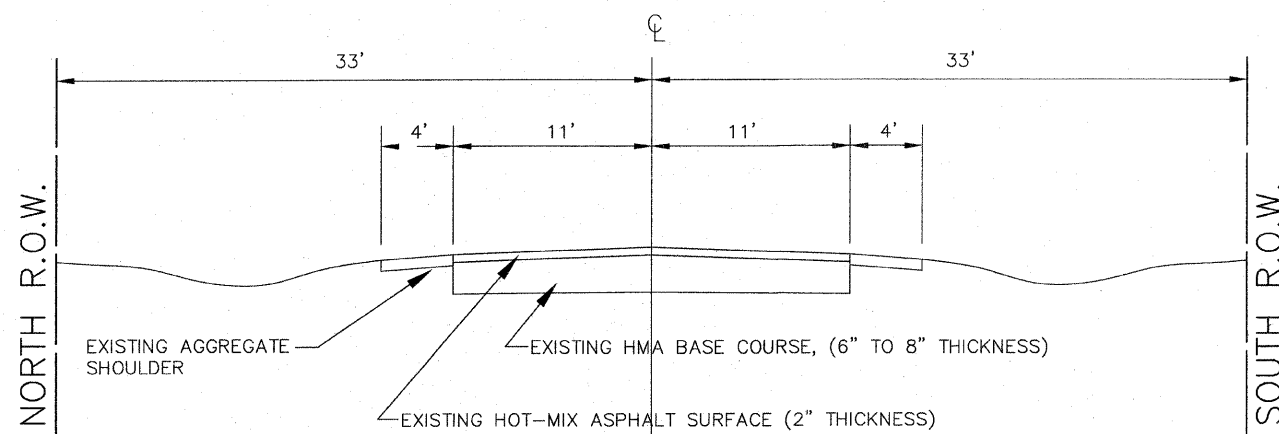
FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 3774	08-00045-00-RS	WILL	12	3
F.H.W.A. REG.	ILLINOIS	PROJECT	M-9003(096)	

CONTRACT NO. 63175

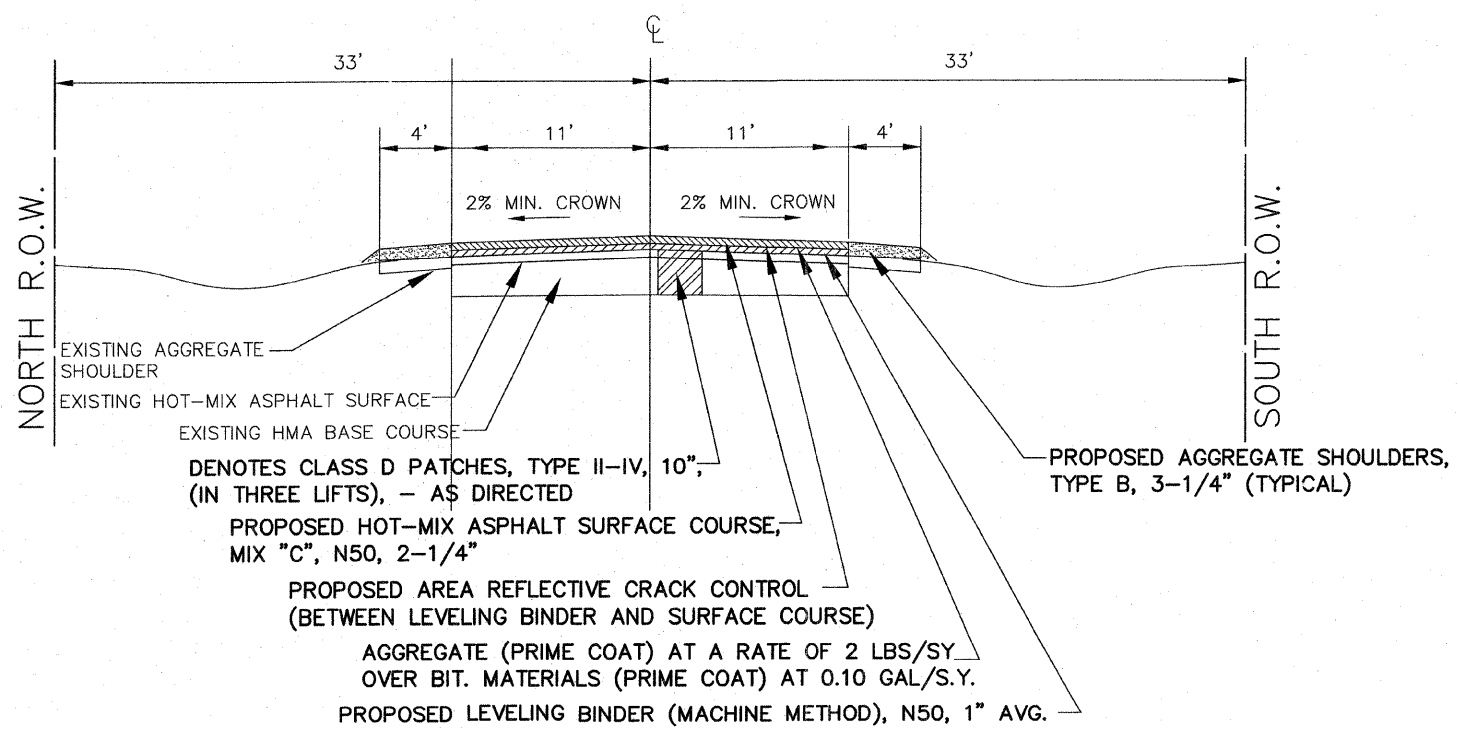
**HOT-MIX ASPHALT MIXTURE REQUIREMENT**

MIXTURE TYPE	AC TYPE	PERCENT AIR VOIDS
<b>ROADWAY</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2-1/4" (IL-9.5mm)	PG 64-22	4% @ 50 GYR
LEVELING BINDER (MACHINE METHOD), N50, 1" AVG. (IL-9.5mm)	*PG 64-22	4% @ 50 GYR
<b>DRIVEWAYS</b>		
INCIDENTAL HOT-MIX ASPHALT SURFACING, MIX "C", N50, (IL 9.5 mm), 2-1/4"	PG 64-22	4% @ 50 GYR
<b>PATCHING</b>		
CLASS D PATCHES, TYPE II-IV, 10", (HMA BINDER IL-19.0mm)	*PG 64-22	4% @ 70 GYR

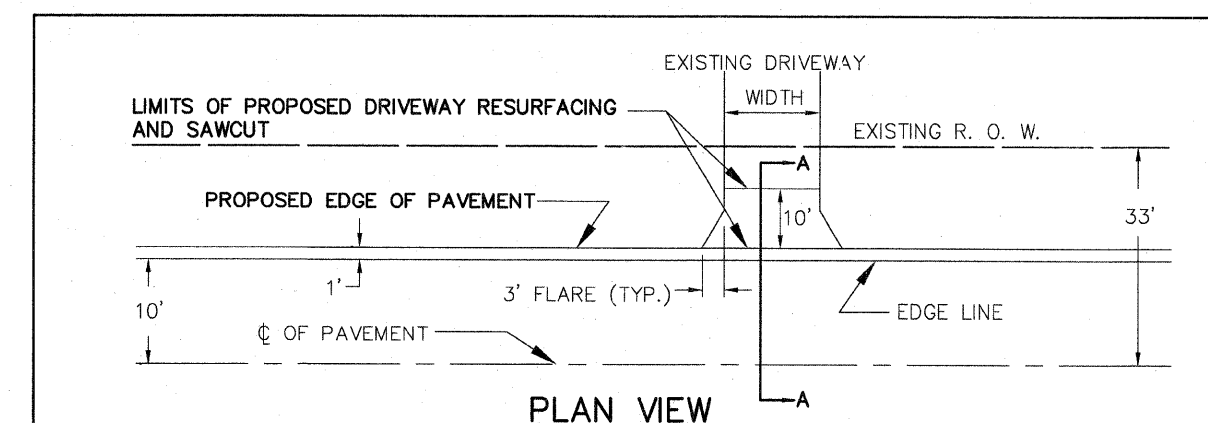
THE UNIT WEIGHT TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.  
\* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.



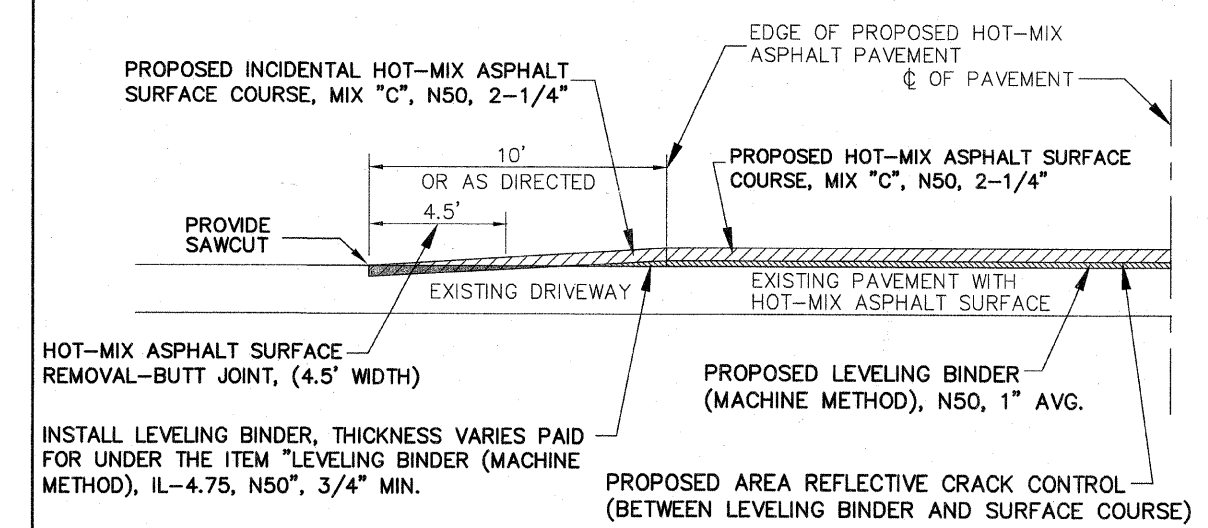
**EXISTING**  
1"=5'



**PROPOSED**  
1"=5'



**PLAN VIEW**



**SECTION A-A**  
**TYPICAL HOT-MIX ASPHALT DRIVEWAY DETAIL**

N.T.S.

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Illinois Professional Design Firm No. 184-000928

PROJECT  
**VILLAGE OF LEMONT, ILLINOIS**  
127TH STREET LAPP RESURFACING  
SECTION 08-00045-00-RS

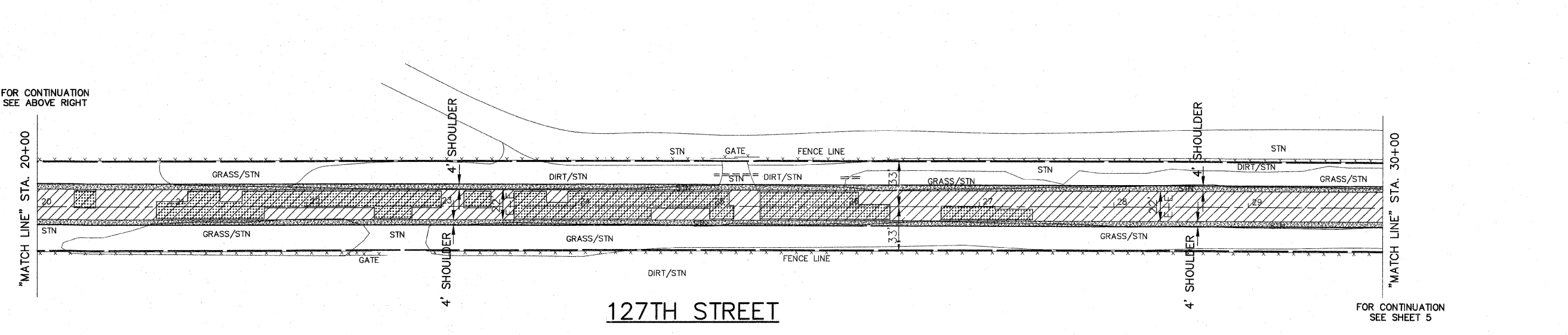
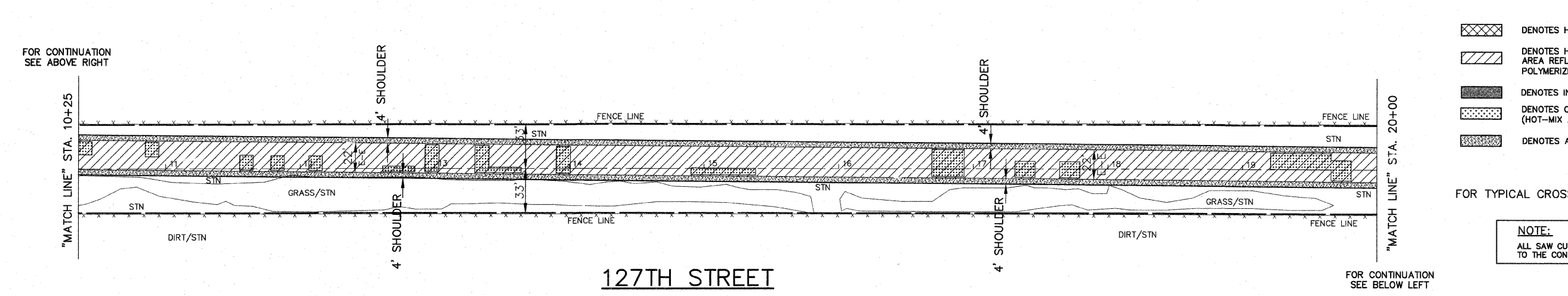
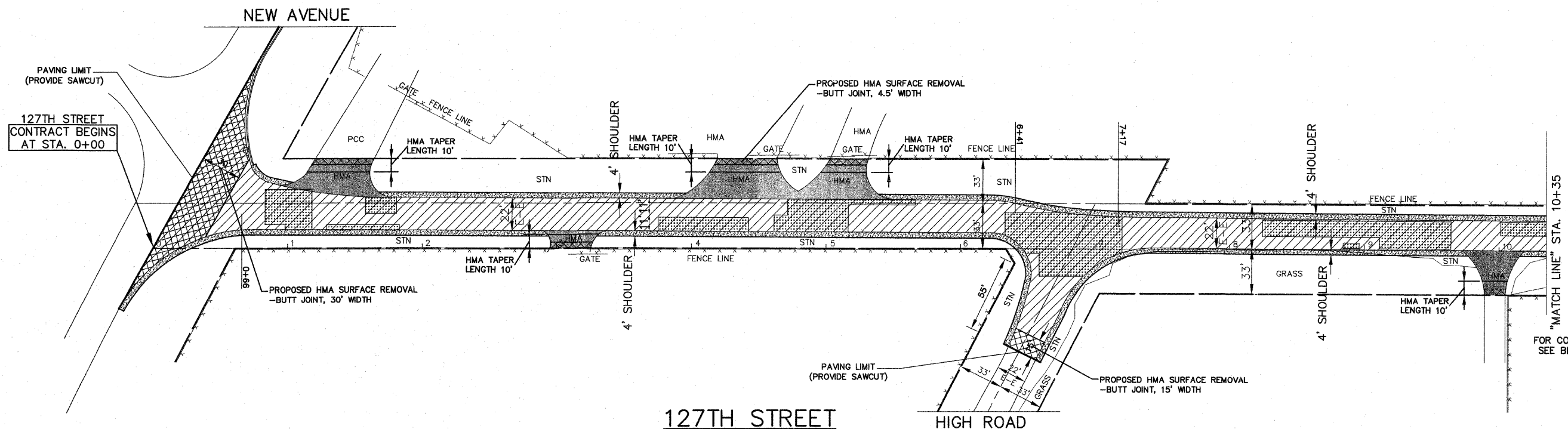
REVISIONS			
NO.	BY	DATE	DESCRIPTION
1	THK	4/02/09	PER I.D.O.T. REVIEW

TYPICAL CROSS SECTIONS  
**HOT-MIX ASPHALT MIXTURE REQUIREMENT**  
TYPICAL DRIVEWAY DETAIL

PROJECT NO. 08152	SCALE AS NOTED	SHEET 3 OF 12 SHEETS
DRAWN/DESIGNED JEP-JFP/THK	DATE FEB., 2009	
CHECKED/APPROVED JFP/JLC	FIELD BOOK NO. FILE	

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 3774	08-00045-00-RS	WILL	12	4
F.H.W.A. REG.	ILLINOIS	PROJECT	M-9003(096)	

CONTRACT NO. 63175



**LEGEND**

- DENOTES HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT
- DENOTES HOT-MIX ASPHALT SURFACE COURSE, 2-1/4" OVER AREA REFLECTIVE CRACK CONTROL TREATMENT OVER POLYMERIZED LEVELING BINDER (MACHINE METHOD), 1" AVG.
- DENOTES INCIDENTAL HOT-MIX ASPHALT SURFACING, 2-1/4"
- DENOTES CLASS D PATCHES, TYPE II-IV, 10", (HOT-MIX ASPHALT BINDER IL-19.0mm), - AS DIRECTED
- DENOTES AGGREGATE SHOULDERS, TYPE B, 3-1/4"

FOR TYPICAL CROSS SECTION OF NEW PAVEMENT WORK SEE SHEET 3

**NOTE:**  
ALL SAW CUTS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT

**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  
**VILLAGE OF LEMONT, ILLINOIS**  
**127TH STREET LAPP RESURFACING**  
SECTION 08-00045-00-RS

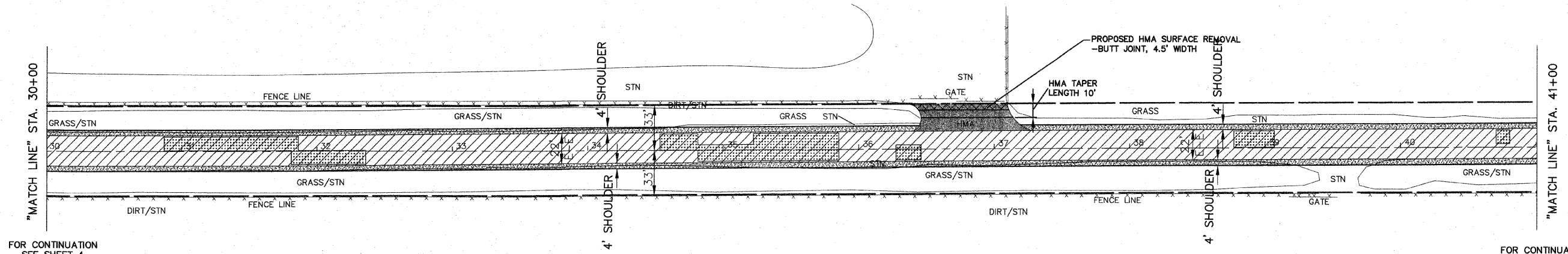
REVISIONS			
NO.	BY	DATE	DESCRIPTION

**PLAN**  
**127TH STREET-**  
**NEW AVE. to**  
**STA. 30+00**

PROJECT NO. 08152	SCALE 1"=40'	SHEET 4 OF 12 SHEETS
DRAWN/DESIGNED JEP-JFP/THK	DATE FEB., 2009	
CHECKED/APPROVED JFP/JLC	FIELD BOOK NO. FILE	

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 3774	08-00045-00-RS	WILL	12	5
F.H.W.A. REG.	ILLINOIS	PROJECT	M-9003(096)	

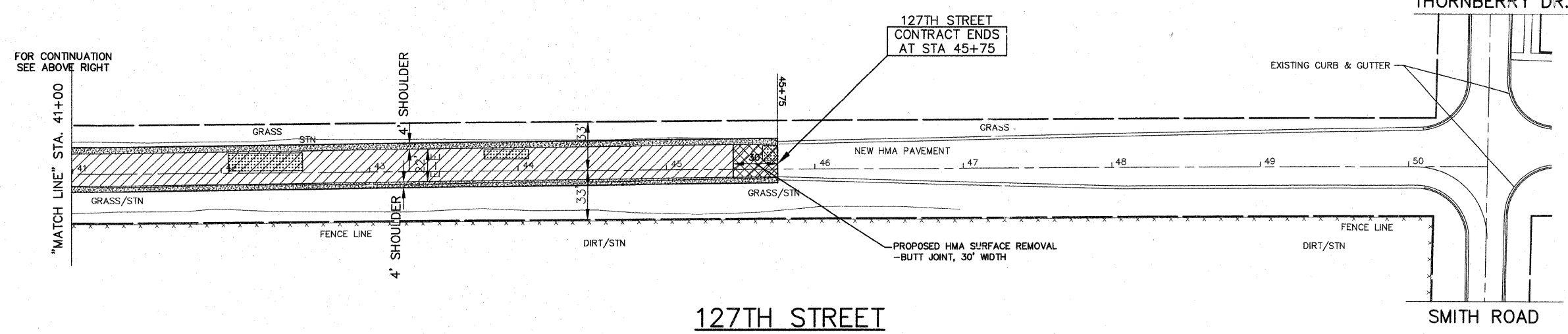
CONTRACT NO. 63175



FOR CONTINUATION SEE SHEET 4

FOR CONTINUATION SEE BELOW LEFT

**127TH STREET**



FOR CONTINUATION SEE ABOVE RIGHT

- LEGEND**
- DENOTES HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT
  - DENOTES HOT-MIX ASPHALT SURFACE COURSE, 2-1/4" OVER AREA REFLECTIVE CRACK CONTROL TREATMENT OVER POLYMERIZED LEVELING BINDER (MACHINE METHOD), 1" AVG.
  - DENOTES INCIDENTAL HOT-MIX ASPHALT SURFACING, 2-1/4"
  - DENOTES CLASS D PATCHES, TYPE II-IV, 10", (HOT-MIX ASPHALT BINDER IL-19.0mm), - AS DIRECTED
  - DENOTES AGGREGATE SHOULDERS, TYPE B, 3-1/4"

FOR TYPICAL CROSS SECTION OF NEW PAVEMENT WORK SEE SHEET 3

**NOTE:**  
ALL SAW CUTS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT

**127TH STREET**

**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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PROJECT: **VILLAGE OF LEMONT, ILLINOIS**  
**127TH STREET LAPP RESURFACING**  
SECTION 08-00045-00-RS

REVISIONS			
NO.	BY	DATE	DESCRIPTION

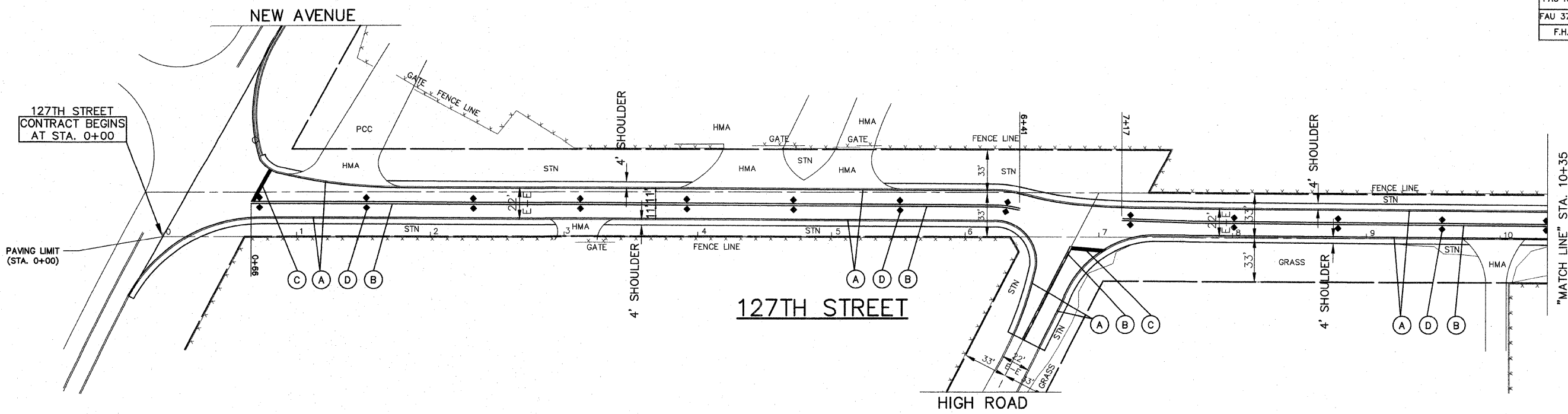
**PLAN**  
**127TH STREET-**  
**STA. 30+00 to**  
**SMITH ROAD**

PROJECT NO. 08152	SCALE 1"=40'	SHEET 5 OF 12 SHEETS
DRAWN/DESIGNED JEP-JFP/THK	DATE FEB., 2009	
CHECKED/APPROVED JFP/JLC	FIELD BOOK NO. FILE	

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FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 3774	08-00045-00-RS	WILL	12	6
F.H.W.A. REG.	ILLINOIS	PROJECT	M-9003(096)	

CONTRACT NO. 63175

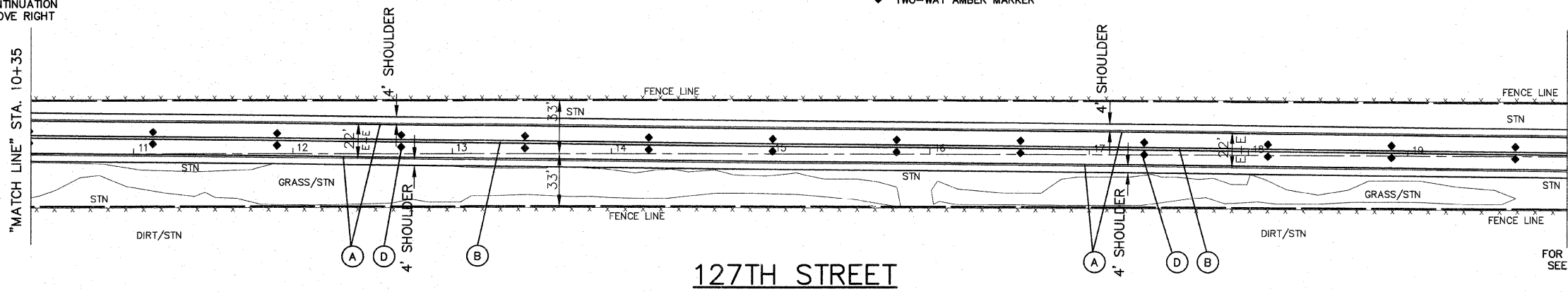


**NOTE:**  
SHORT-TERM PAVEMENT MARKING IS PROPOSED ON THE NEW BINDER AND ON THE NEW SURFACE. SEE ARTICLE 703.04 OF THE LATEST EDITION OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

PROPOSED DOUBLE SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING - CENTER LINE 4", 11" O/C (NOTE: (B)) IS MEASURED PER LINE. TOTAL QUANTITY AND PAYMENT LENGTH IS FOR EACH LINEAR FOOT OF SINGLE 4" STRIPE INSTALLED.

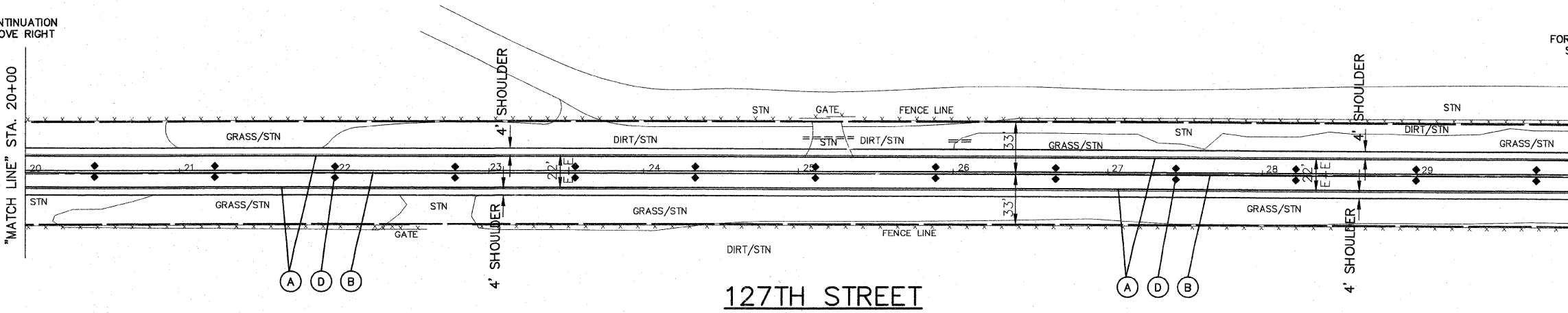
- THERMOPLASTIC STRIPING CODE**
- (A) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 4" (EDGE LINE)
  - (B) PROPOSED DOUBLE SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING - CENTER LINE 4", 11" O/C
  - (C) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 24" (STOP BAR)
  - (D) PROPOSED RECESSED REFLECTIVE PAVEMENT MARKERS - 80' O/C OR AS SHOWN
  - ◆ TWO-WAY AMBER MARKER

FOR CONTINUATION  
SEE ABOVE RIGHT



FOR CONTINUATION  
SEE BELOW LEFT

FOR CONTINUATION  
SEE ABOVE RIGHT



FOR CONTINUATION  
SEE SHEET 7

**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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PROJECT  
**VILLAGE OF LEMONT, ILLINOIS**  
127TH STREET LAPP RESURFACING  
SECTION 08-00045-00-RS

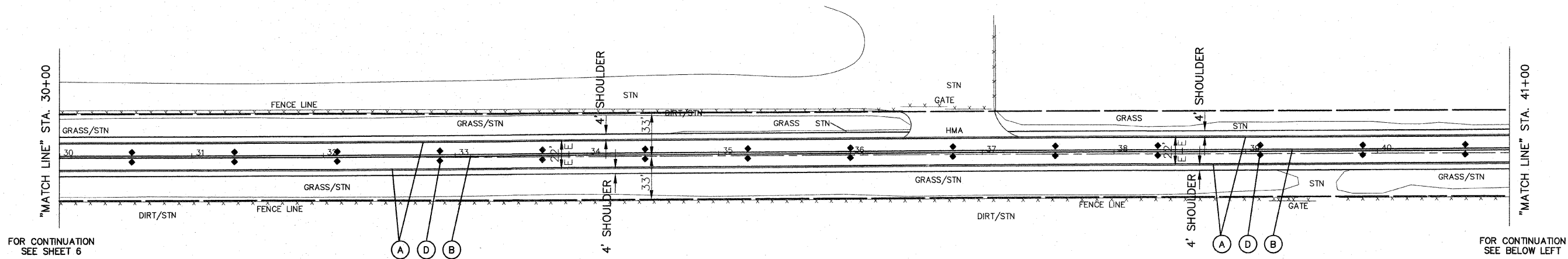
REVISIONS			
NO.	BY	DATE	DESCRIPTION
1	THK	4/02/09	PER I.D.O.T. REVIEW

**PAVEMENT MARKING**  
127TH STREET-  
NEW AVE. to  
STA. 30+00

PROJECT NO. 08152	SCALE 1"=40'	SHEET 6
DRAWN/DESIGNED JEP-JFP/THK	DATE FEB., 2009	OF 12
CHECKED/APPROVED JFP/JLC	FIELD BOOK NO. FILE	SHEETS

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 3774	08-00045-00-RS	WILL	12	7
F.H.W.A. REG.	ILLINOIS	PROJECT	M-9003(096)	

CONTRACT NO. 63175



**127TH STREET**

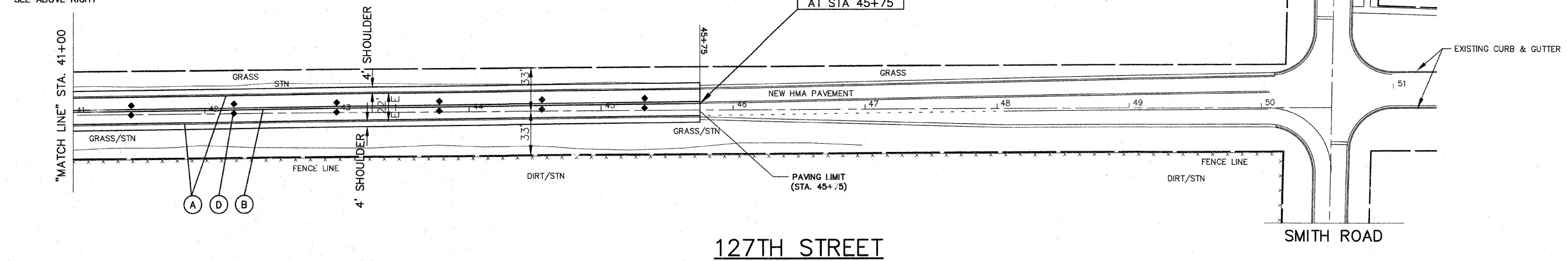
**THERMOPLASTIC STRIPING CODE**

**NOTE:**  
SHORT-TERM PAVEMENT MARKING IS PROPOSED ON THE NEW BINDER AND ON THE NEW SURFACE. SEE ARTICLE 703.04 OF THE LATEST EDITION OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

PROPOSED DOUBLE SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING - CENTER LINE 4", 11" O/C (NOTE: (B)) IS MEASURED PER LINE. TOTAL QUANTITY AND PAYMENT LENGTH IS FOR EACH LINEAR FOOT OF SINGLE 4" STRIPE INSTALLED.

- (A) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 4" (EDGE LINE)
- (B) PROPOSED DOUBLE SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING - CENTER LINE 4", 11" O/C
- (D) PROPOSED RECESSED REFLECTIVE PAVEMENT MARKERS - 80' O/C OR AS SHOWN
- ◆ TWO-WAY AMBER MARKER

FOR CONTINUATION  
SEE ABOVE RIGHT



**127TH STREET**

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

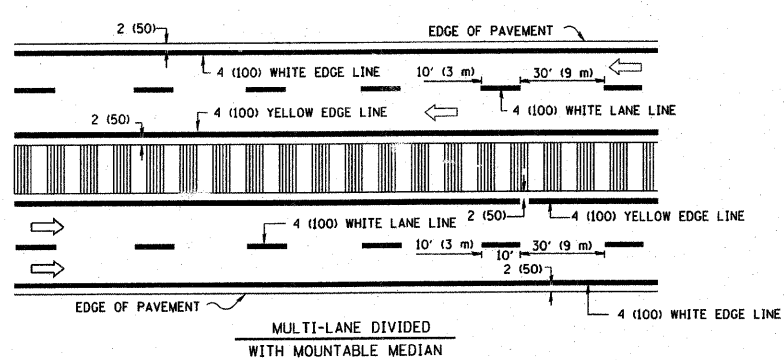
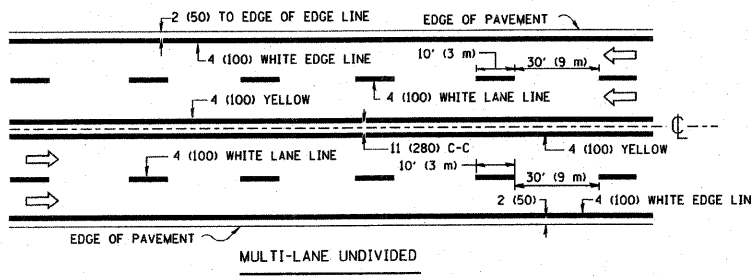
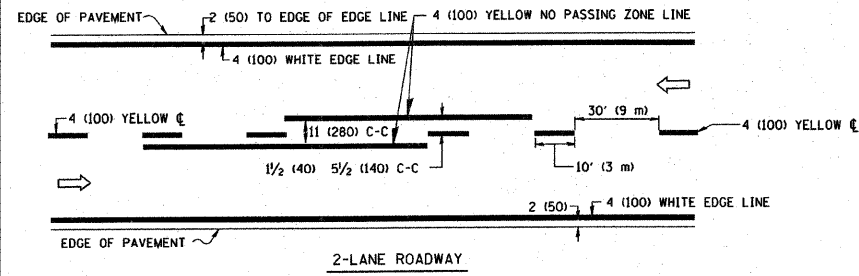
PROJECT: **VILLAGE OF LEMONT, ILLINOIS**  
**127TH STREET LAPP RESURFACING**  
SECTION 08-00045-00-RS

REVISIONS			
NO.	BY	DATE	DESCRIPTION
1	THK	4/02/09	PER I.D.O.T. REVIEW

**PAVEMENT MARKING**  
127TH STREET - STA. 30+00 to SMITH ROAD

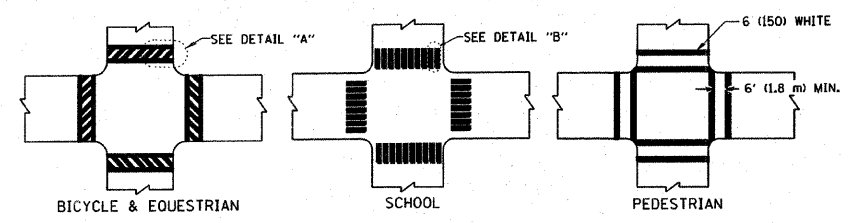
PROJECT NO. 08152	SCALE 1"=40'	SHEET 7
DRAWN/DESIGNED JEP-JFP/THK	DATE FEB., 2009	OF 12
CHECKED/APPROVED JFP/JLC	FIELD BOOK NO. FILE	SHEETS

M:\Projects\0808152\08152\_07.dwg: 127th Street LAPP Resurfacing - 4/2/2009 10:15:00 AM - User: jfp

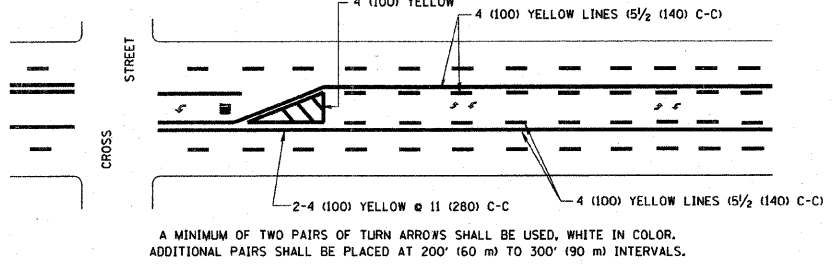
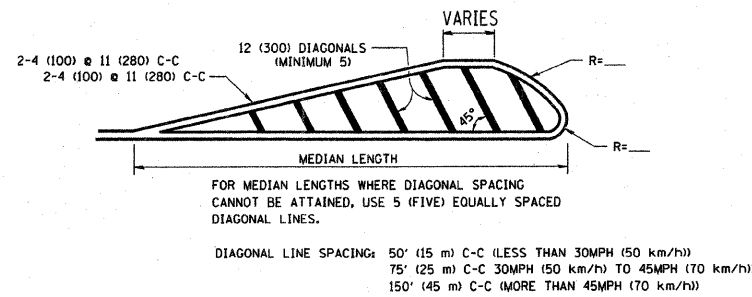
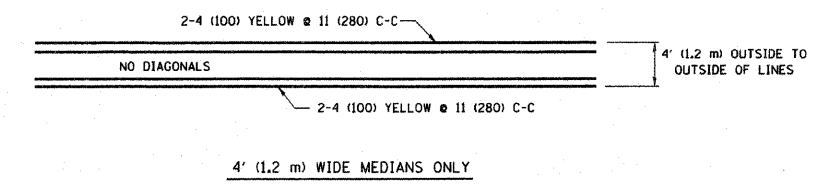


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

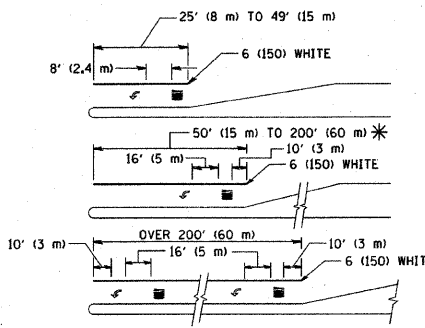
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING

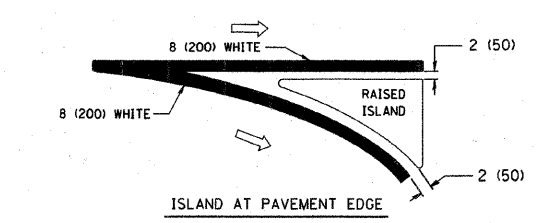
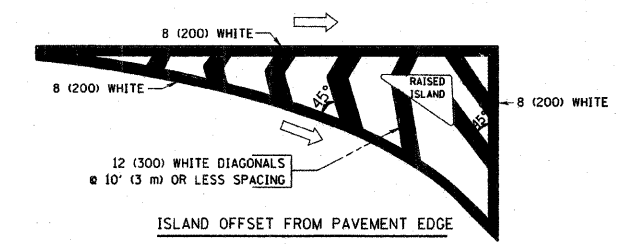


TYPICAL PAINTED MEDIAN MARKING



TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

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

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

	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 (26.0)	1.37 (14.7)
RAILROAD "R" 1.8m (6ft.)	0.33 (3.6)	—
RAILROAD "X" 8.1m (26ft.)	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  
DRAWN BY CADD  
CHECKED BY TC-13

DATE: 2/6/2007  
DRAWN BY: JEP/JTHK  
PLOT SCALE: 3/8" = 1'-0"  
USER NAME: bnewell

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

PROJECT: VILLAGE OF LEMONT, ILLINOIS  
127TH STREET LAPP RESURFACING  
SECTION 08-00045-00-RS

REVISIONS			
NO.	BY	DATE	DESCRIPTION

PAVEMENT MARKING STANDARDS

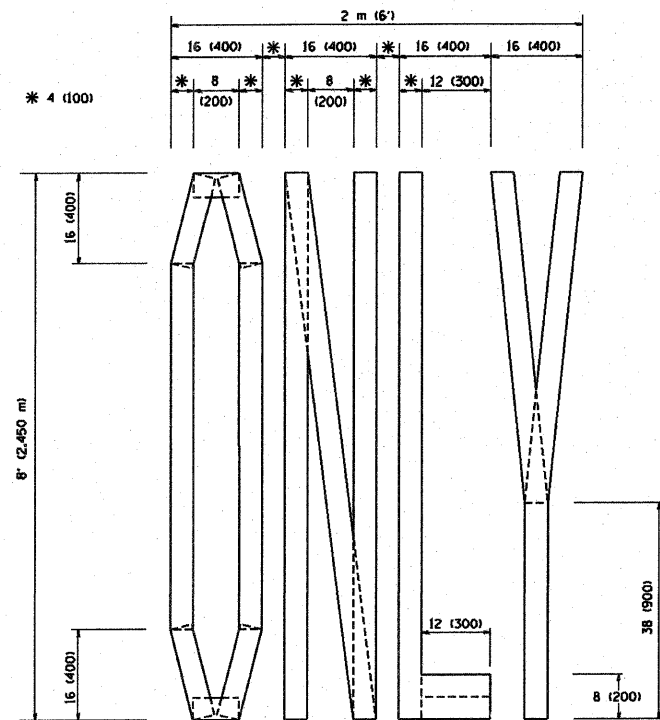
PROJECT NO. 08152	SCALE: NONE
DRAWN/DESIGNED JEP-JFP/THK	DATE: FEB., 2009
CHECKED/APPROVED JFP/JLC	FIELD BOOK NO. FILE

SHEET 8 OF 12 SHEETS

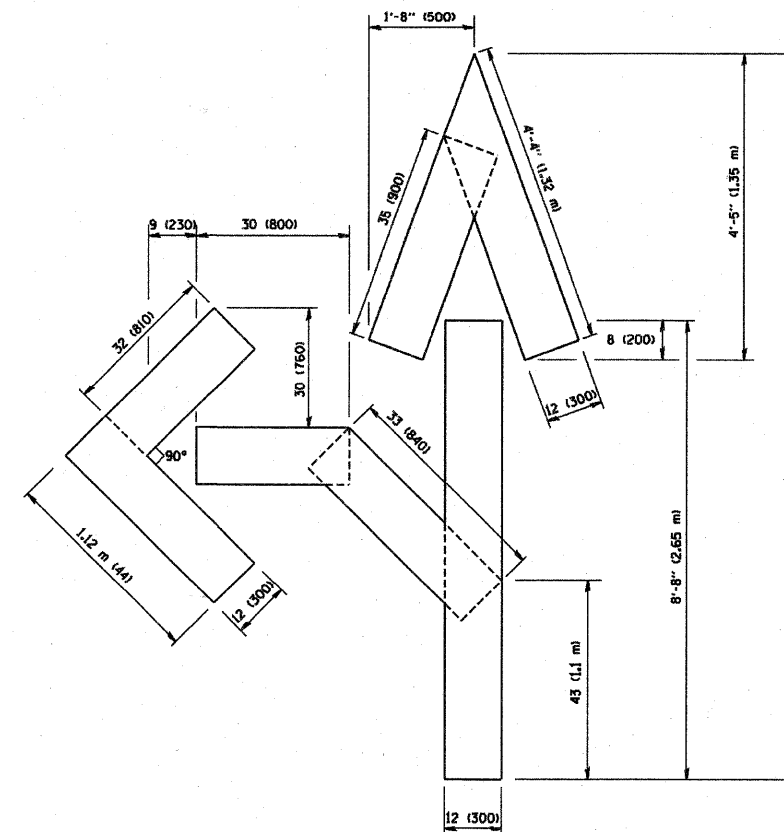


FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 3774	08-00045-00-RS	WILL	12	9
F.H.W.A. REG.	ILLINOIS PROJECT	M-9003(096)		

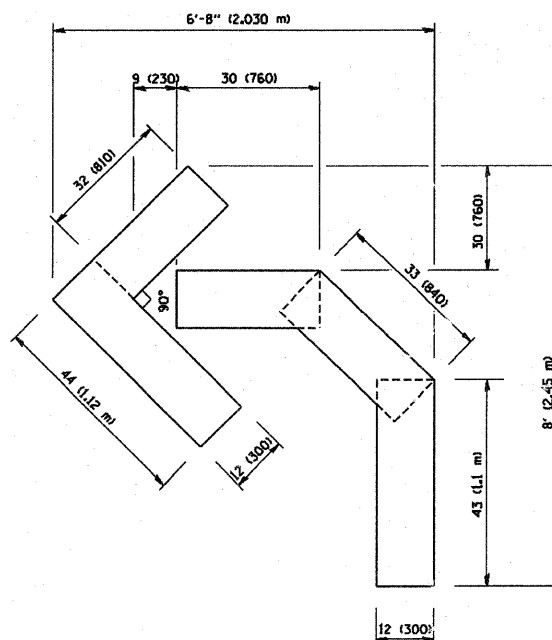
CONTRACT NO. 63175



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



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



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

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

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
T. RAMWACHER	09/18/94	<p style="text-align: center;"><b>PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING</b></p> <p>SCALE: NONE</p> <p style="text-align: right;">DRAWN BY CADD CHECKED BY TC-16</p>
J. OBERLE	06/01/96	
T. RAMWACHER	06/05/96	
T. RAMWACHER	11/04/97	
T. RAMWACHER	03/02/98	
E. GOMEZ	08/28/00	

PLOT DATE = 3/7/2007  
FILE NAME = K:\Projects\08152\08152.dwg  
PLOT SCALE = 1/8" = 1'-0"  
USER NAME = bower-d



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Illinois Professional Design Firm No. 184-000928

PROJECT

VILLAGE OF LEMONT, ILLINOIS  
127TH STREET LAPP RESURFACING  
SECTION 08-00045-00-RS

REVISIONS			
NO.	BY	DATE	DESCRIPTION

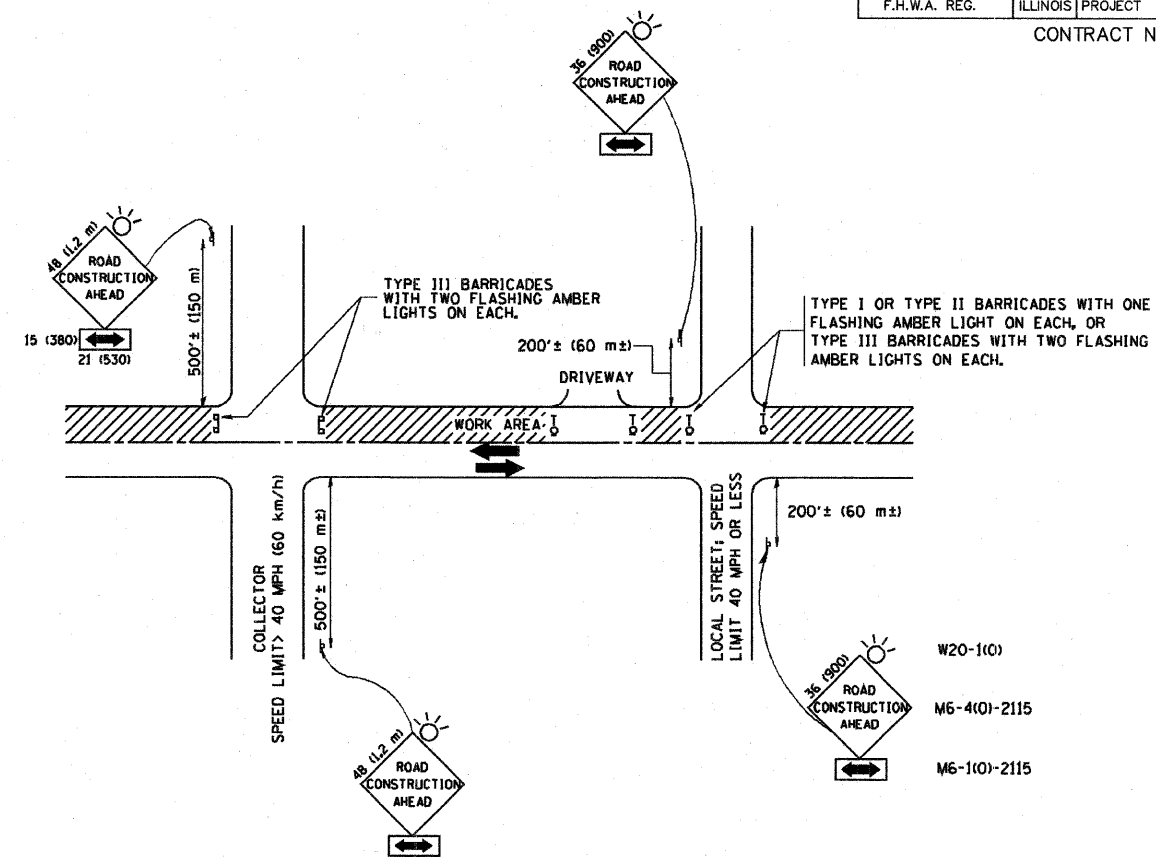
PAVEMENT MARKING  
LETTERS AND SYMBOLS  
FOR TRAFFIC STAGING

PROJECT NO. 08152	SCALE NONE
DRAWN/DESIGNED JEP--JFP/THK	DATE FEB., 2009
CHECKED/APPROVED JFP/JLC	FIELD BOOK NO. FILE

SHEET  
9  
OF  
12  
SHEETS

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 3774	08-00045-00-RS	WILL	12	10
F.H.W.A. REG.	ILLINOIS PROJECT	M-9003(096)		

CONTRACT NO. 63175



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 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
  - 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 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
  - 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. 70150), 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

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

SCALE: NONE  
DRAWN BY  
CHECKED BY  
TC-10

PLOT DATE: 2/6/2007  
FILE NAME: M:\projects\0818.dgn  
PLOT SCALE: 1/8"=1'-0"  
USER NAME: J. Bland

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Illinois Professional Design Firm No. 184-000928

PROJECT  
**VILLAGE OF LEMONT, ILLINOIS**  
127TH STREET LAPP RESURFACING  
SECTION 08-00045-00-RS

REVISIONS			
NO.	BY	DATE	DESCRIPTION

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

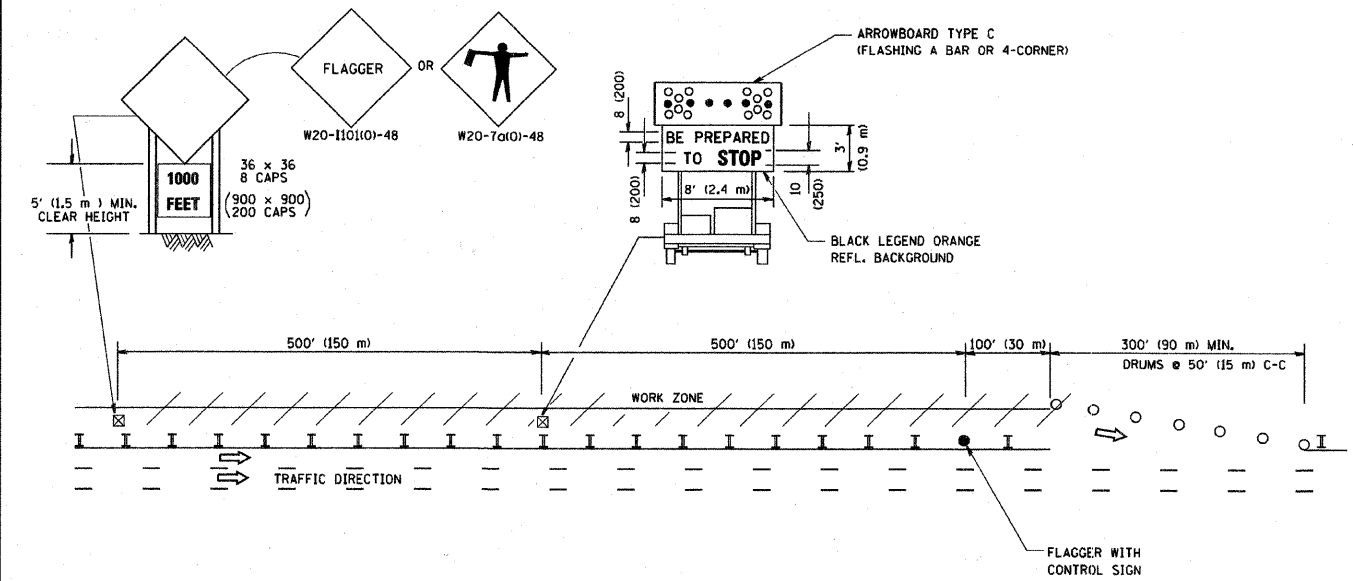
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DRAWN/DESIGNED JEP-JFP/THK	DATE FEB., 2009	OF 12
CHECKED/APPROVED JFP/JLC	FIELD BOOK NO. FILE	SHEETS

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 3774	08-00045-00-RS	WILL	12	11
F.H.W.A. REG.	ILLINOIS PROJECT	M-9003(096)		

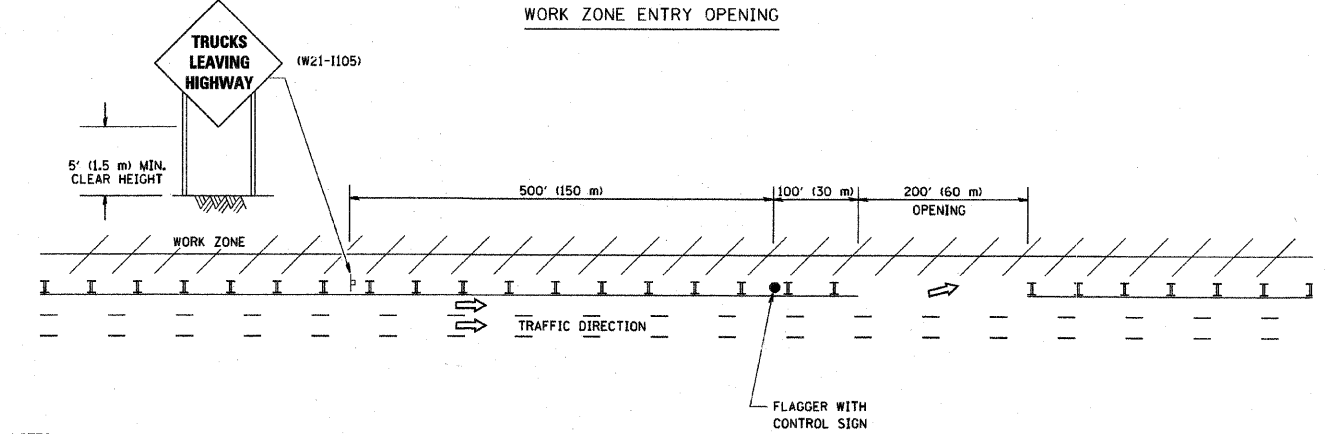
CONTRACT NO. 63175

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING



NOTES:

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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  
DRAWN BY CADD  
CHECKED BY TC-18

PLOT DATE = 3/7/2007  
FILE NAME = K:\data\304\304.dwg  
PLOT SCALE = 3/8" = 1'-0"  
USER NAME = cadd

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

PROJECT  
**VILLAGE OF LEMONT, ILLINOIS**  
127TH STREET LAPP RESURFACING  
SECTION 06-00045-00-RS

REVISIONS			
NO.	BY	DATE	DESCRIPTION

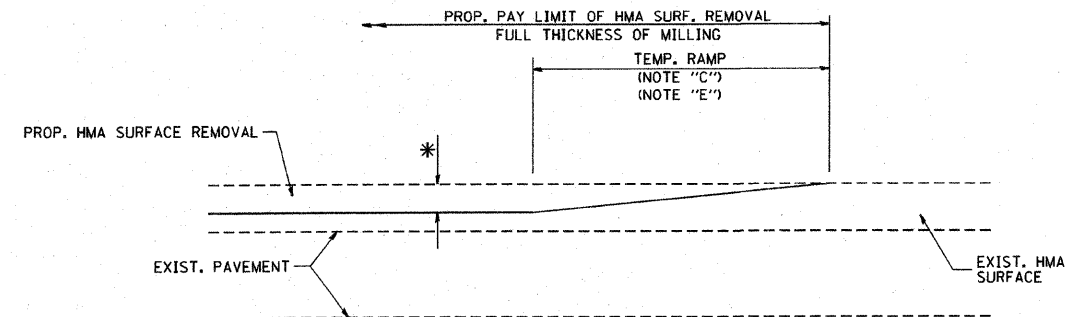
**SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS**

PROJECT NO. 08152	SCALE NONE
DRAWN/DESIGNED JEP-JFP/THK	DATE FEB., 2009
CHECKED/APPROVED JFP/JLC	FIELD BOOK NO. FILE

SHEET  
11  
OF  
12  
SHEETS

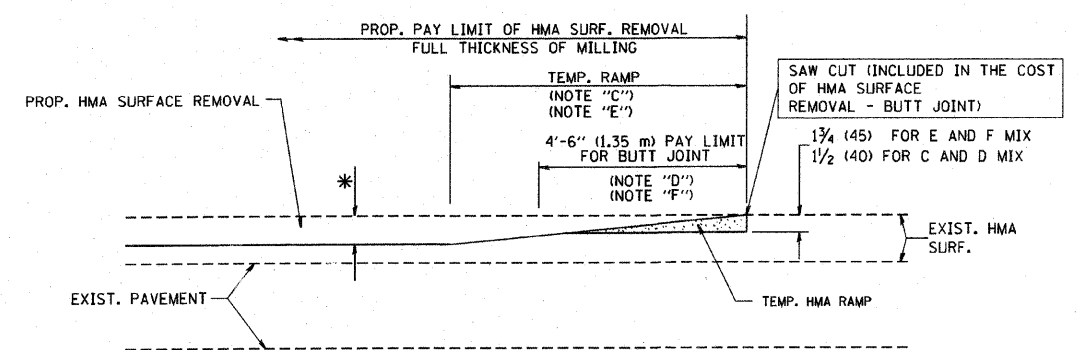
FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 3774	08-00045-00-RS	WILL	12	12
F.H.W.A. REG.	ILLINOIS PROJECT	M-9003(096)		

CONTRACT NO. 63175



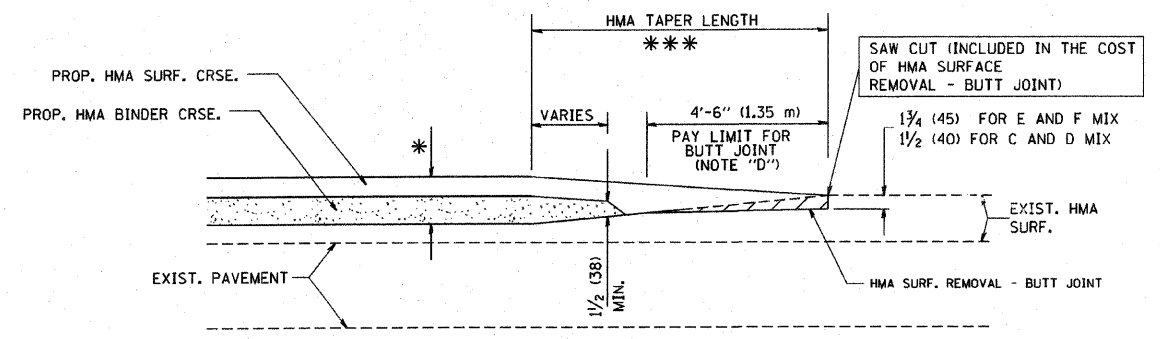
MILLED TEMPORARY RAMP  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1



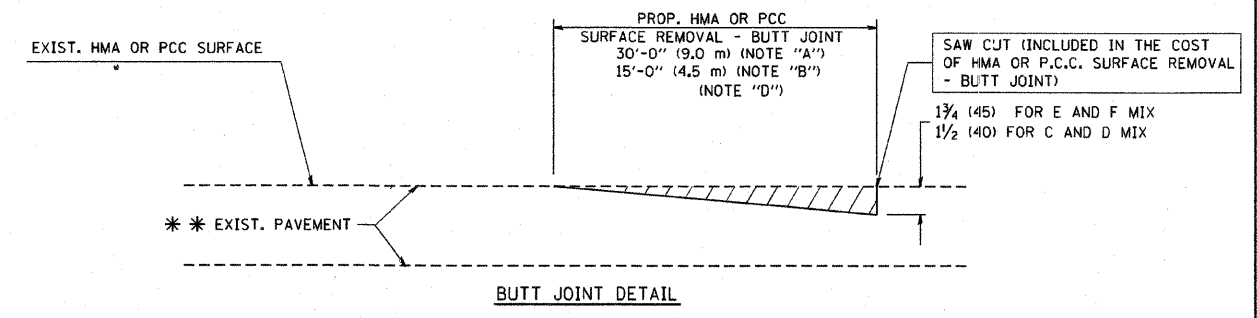
HMA CONSTRUCTED TEMPORARY RAMP  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2  
TYPICAL TEMPORARY RAMP

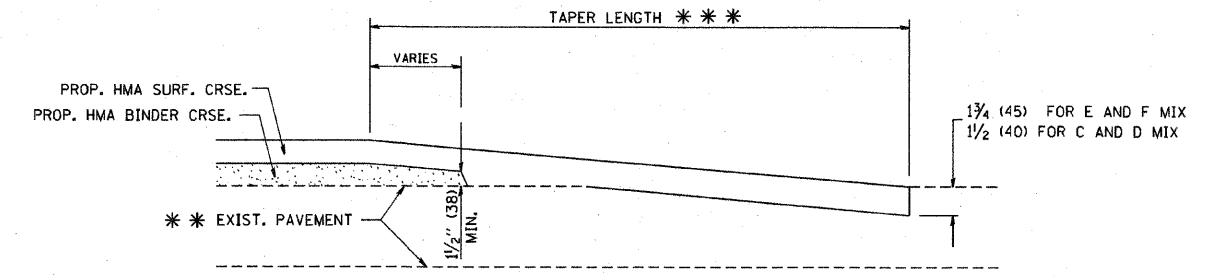


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER  
FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER  
FOR RESURFACING ONLY

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

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- B: MINOR SIDE ROADS.
- C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
- F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
- G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- \* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- \*\*\* 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")  
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

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. BORQ	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

SCALE: VERT. NONE  
HORIZ. NONE

DRAWN BY  
CHECKED BY

BD400-05 (VI=BD32)

PLOT DATE = 2/12/2007  
 FILE NAME = K:\data\08-00045-00-RS.dwg  
 PLOT SCALE = 1/8" = 1'-0"  
 USER NAME = bboard

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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  
**VILLAGE OF LEMONT, ILLINOIS**  
 127TH STREET LAPP RESURFACING  
 SECTION 08-00045-00-RS

REVISIONS			
NO.	BY	DATE	DESCRIPTION

BUTT JOINT AND HMA TAPER DETAILS

PROJECT NO. 08152	SCALE NONE	SHEET 12 OF 12 SHEETS
DRAWN/DESIGNED JEP-JFP/THK	DATE FEB., 2009	
CHECKED/APPROVED JFP/JLC	FIELD BOOK NO. FILE	