

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

**PROPOSED
 HIGHWAY PLANS**

FAP 345: ILL 19 (IRVING PARK ROAD)
 RAVENSWOOD AVENUE TO US 41 (NB)
 SECTION: 2009-103 RS
 RESURFACING (3P)
 COOK COUNTY
 C-91-118-10

FOR INDEX OF SHEETS, SEE SHEET NO. 2

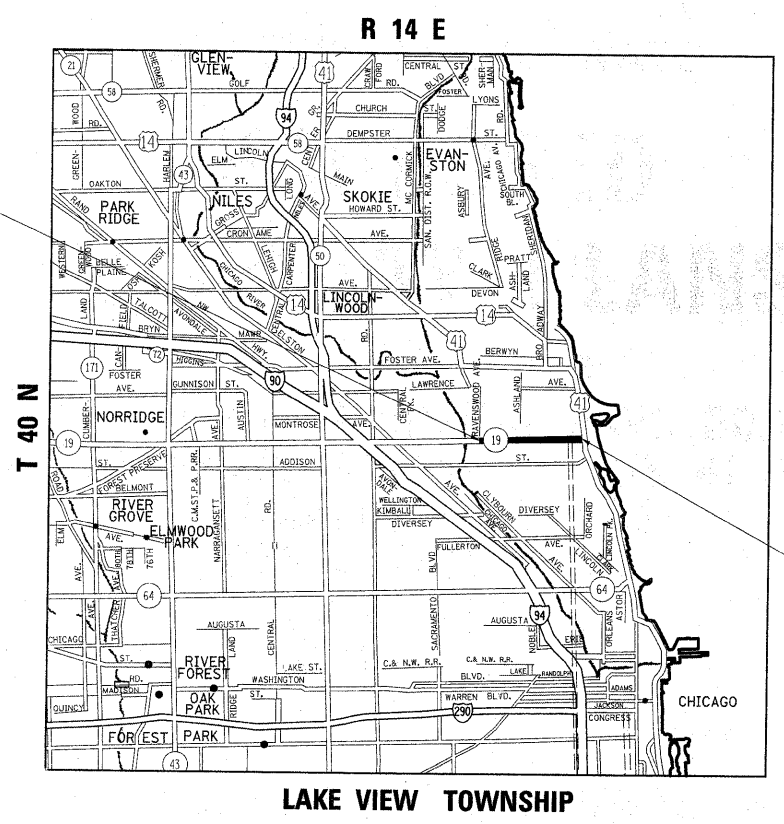
THE PROJECT IS LOCATED IN THE
 CITY OF CHICAGO

| | | | | |
|---------------------|-------------|--------------------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 345 | 2009-103 RS | COOK | 19 | 1 |
| FED. ROAD DIST. NO. | ILLINOIS | CONTRACT NO. 60168 | | |

D -91-118-10



LOCATION OF SECTION INDICATED THUS: - ■ -

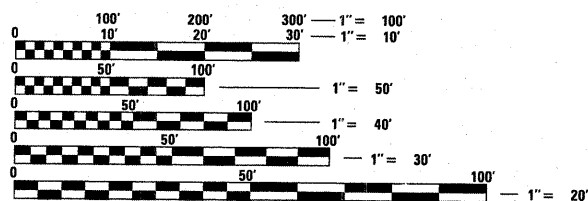


TRAFFIC DATA
 2007 ADT = 26,700
 POSTED SPEED LIMIT = 30 MPH

PROJECT BEGINS
 STA. 89+10

OMISSION
 STA. 163+60 TO STA.164+63

PROJECT ENDS
 STA. 166+80



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.

C.U.A.N.
 CHICAGO UTILITY ALERT NETWORK
 (312) 744-7000

PROJECT ENGINEER KARI SMITH (847) 705-4437
 PROJECT MANAGER KEN ENG (847) 705-4247

CONTRACT NO. 60168

GROSS LENGTH OF PROJECT = 7,770 LINEAL FEET = 1.47 MILE
 NET LENGTH OF PROJECT = 7,667 LINEAL FEET = 1.45 MILE

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED FEBRUARY 2, 2010

Dina M. O'Keefe as
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 7 2010
Scott E. Stitt, P.E.
 acting ENGINEER OF DESIGN AND ENVIRONMENT

May 7 2010
Christine M. Raedler
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS**

INDEX OF SHEETS

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LIST OF STATE STANDARDS

| STANDARD NO. | DESCRIPTION |
|--------------|--|
| 000001-05 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS |
| 442201-03 | CLASS C AND D PATCHES |
| 604001-03 | FRAME AND LIDS, TYPE 1 |
| 606001-04 | COMBINATION CONCRETE CURB AND GUTTER |
| 701301-03 | LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS |
| 701311-03 | LANE CLOSURE, 2L, 2W MOVING OPERATIONS - DAY ONLY |
| 701501-05 | URBAN LANE CLOSURE, 2L, 2W UNDIVIDED |
| 701601-04 | URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN |
| 701701-04 | URBAN LANE CLOSURE, MULTILANE INTERSECTION |
| 701901-01 | TRAFFIC CONTROL DEVICES |

CHICAGO NOTES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "C.U.A.N." (CHICAGO UTILITY ALERT NETWORK) AT 312-744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED).

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF CHICAGO.

ALL CATCH BASINS IN THE CITY OF CHICAGO MUST MEET THE DEPARTMENT OF SEWERS' STANDARDS.

PERMITS FROM THE DEPARTMENT OF SEWERS ARE REQUIRED FOR ALL UNDERGROUND STORM, SANITARY OR COMBINED SEWER SYSTEM CONSTRUCTION, AND FOR RESURFACING WORK INVOLVING ADJUSTMENT OF SEWER STRUCTURES. THE DEPARTMENT OF SEWERS, PERMIT MUST BE OBTAINED BY A LICENSED SEWER DRAIN LAYER PRIOR TO START OF CONSTRUCTION.

PERFORATED LIDS SHALL BE PLACED ON ALL MANHOLES AND CATCH BASINS.

ALL BROKEN, CRACKED, WORN OR OTHERWISE DAMAGED OR BICYCLE UNSAFE FRAMES AND LIDS ON SEWER STRUCTURES, SHALL BE REPLACED WITH NEW DEPARTMENT OF SEWERS' STANDARDS FRAMES AND LIDS.

OPEN LID DRAINAGE STRUCTURES SHALL NOT BE CLOSED, COVERED OR OTHERWISE OBSTRUCTED DURING CONSTRUCTION OF THIS ROADWAY WITHOUT THE WRITTEN PERMISSION FROM THE CITY OF CHICAGO.

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

GENERAL NOTES

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF CHICAGO

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES (40 MM) WHERE THE SPEED LIMIT IS 45 MPH (45 KM/H) OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH (45 KM/H). 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 RESIDENT ENGINEER SHALL CONTACT MR. WALTER CZARNY AREA TRAFFIC FIELD ENGINEER AT (847) 715-8419 A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

THE RESIDENT ENGINEER SHALL VERIFY ALL EXISTING PAVEMENT MARKINGS BEFORE MILLING

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS

ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

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

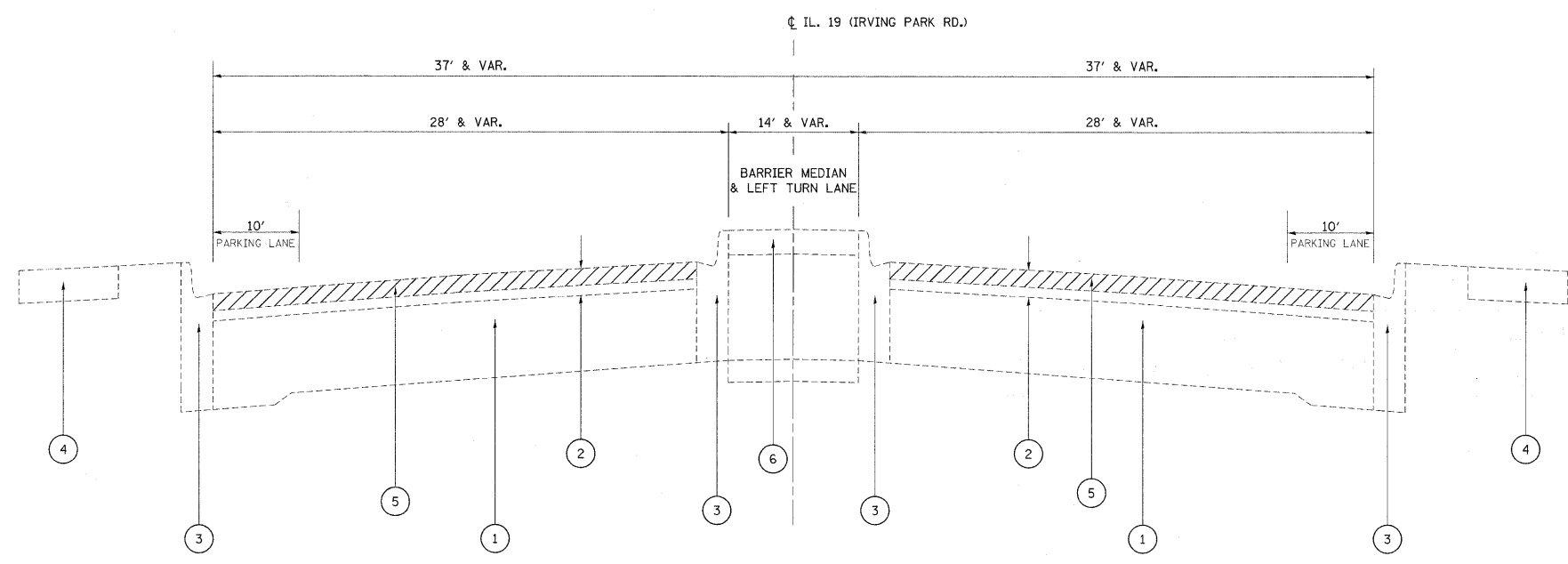
THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847)705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

| | | | | | | | | | | | |
|-------------------------------------|-----------------------------|------------|-----------|---|---|--------------------|-------------------------|--------|--------------|---------------------|---------------------------|
| FILE NAME = | USER NAME = guillaumejp | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | INDEX OF SHEETS, LIST OF STATE STANDARDS & GENERAL NOTES ILL 19 (IRVING PARK ROAD) | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| c:\pwork\pwork\guillaumejp\d0167267 | 11810-sht-plan.dgn | DRAWN - | REVISED - | | | 345 | 2009-103 RS | COOK | 19 | 2 | |
| | PLOT SCALE = 50.0000' / IN. | CHECKED - | REVISED - | | | CONTRACT NO. 60168 | | | | | |
| | PLOT DATE = 2/3/2010 | DATE - | REVISED - | | | SCALE: 1"=50' | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA. | FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT |

| SUMMARY OF QUANTITIES | | | URBAN CONSTRUCTION TYPE CODE | | | | | | | SUMMARY OF QUANTITIES | | | URBAN CONSTRUCTION TYPE CODE | | | | | | |
|-----------------------|--|--------|------------------------------|------------|---|--|--|--|--|-----------------------|--|-------|------------------------------|------------|---|--|--|--|--|
| CODE NO | ITEM | UNIT | TOTAL QUANTITIES | 100% STATE | PARKING LANES 50% STATE 50% CITY CHICAGO Y025 | | | | | CODE NO | ITEM | UNIT | TOTAL QUANTITIES | 100% STATE | PARKING LANES 50% STATE 50% CITY CHICAGO Y025 | | | | |
| 40600200 | BITUMINOUS MATERIALS (PRIME COAT) | TON | 40 | 31 | 9 | | | | | 70300220 | TEMPORARY PAVEMENT MARKING - LINE 4" | FOOT | 9100 | 9100 | | | | | |
| 40600300 | AGGREGATE (PRIME COAT) | TON | 190 | 147 | 43 | | | | | 70300240 | TEMPORARY PAVEMENT MARKING - LINE 6" | FOOT | 5400 | 5400 | | | | | |
| 40600400 | MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS | TON | 70 | 54 | 16 | | | | | 70300260 | TEMPORARY PAVEMENT MARKING - LINE 12" | FOOT | 100 | 100 | | | | | |
| 40600826 | POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 | TON | 1930 | 1480 | 450 | | | | | 70300280 | TEMPORARY PAVEMENT MARKING - LINE 24" | FOOT | 880 | 880 | | | | | |
| 40600895 | CONSTRUCTING TEST STRIP | EACH | 1 | 1 | | | | | | 70301000 | WORK ZONE PAVEMENT MARKING REMOVAL | SQ FT | 6700 | 6700 | | | | | |
| 40600982 | HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT | SQ YD | 530 | 530 | | | | | | * 78000100 | THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS | SQ FT | 610 | 610 | | | | | |
| 40601005 | HOT-MIX ASPHALT REPLACEMENT OVER PATCHES | TON | 295 | 295 | | | | | | * 78000200 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" | FOOT | 9100 | 9100 | | | | | |
| 40603595 | POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 | TON | 4590 | 3527.5 | 1062.5 | | | | | * 78000400 | THERMOPLASTIC PAVEMENT MARKING - LINE 6" | FOOT | 5400 | 5400 | | | | | |
| 42001300 | PROTECTIVE COAT | SQ YD | 452 | 452 | | | | | | * 78000600 | THERMOPLASTIC PAVEMENT MARKING - LINE 12" | FOOT | 100 | 100 | | | | | |
| 42400200 | PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH | SQ FT | 1550 | 1550 | | | | | | * 78000650 | THERMOPLASTIC PAVEMENT MARKING - LINE 24" | FOOT | 880 | 880 | | | | | |
| 44000159 | HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2" | SQ YD | 46730 | 35888 | 10842 | | | | | X0322256 | TEMPORARY INFORMATION SIGNING | SQ FT | 102.8 | 102.8 | | | | | |
| 44000600 | SIDEWALK REMOVAL | SQ FT | 1550 | 1550 | | | | | | Z0018500 | DRAINAGE STRUCTURES TO BE CLEANED | EACH | 10 | 10 | | | | | |
| 44001700 | COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT | FOOT | 1260 | 1260 | | | | | | Z0048665 | RAILROAD PROTECTIVE LIABILITY INSURANCE | L SUM | 1 | 1 | | | | | |
| 44002216 | HOT-MIX ASPHALT REMOVAL OVER PATCHES, 4" | SQ YD | 1315 | 1315 | | | | | | | | | | | | | | | |
| 44201753 | CLASS D PATCHES, TYPE II, 9 INCH | SQ YD | 550 | 550 | | | | | | | | | | | | | | | |
| 44201757 | CLASS D PATCHES, TYPE III, 9 INCH | SQ YD | 350 | 350 | | | | | | | | | | | | | | | |
| 44201759 | CLASS D PATCHES, TYPE IV, 9 INCH | SQ YD | 200 | 200 | | | | | | | | | | | | | | | |
| 55039700 | STORM SEWERS TO BE CLEANED | FOOT | 500 | 500 | | | | | | | | | | | | | | | |
| 60300305 | FRAMES AND LIDS TO BE ADJUSTED | EACH | 25 | 25 | | | | | | | | | | | | | | | |
| 60300310 | FRAMES AND LIDS TO BE ADJUSTED (SPECIAL) | EACH | 120 | 120 | | | | | | | | | | | | | | | |
| 60406000 | FRAMES AND LIDS, TYPE 1, OPEN LID | EACH | 25 | 25 | | | | | | | | | | | | | | | |
| 60406100 | FRAMES AND LIDS, TYPE 1, CLOSED LID | EACH | 35 | 35 | | | | | | | | | | | | | | | |
| 67000400 | ENGINEER'S FIELD OFFICE, TYPE A | CAL MO | 6 | 6 | | | | | | | | | | | | | | | |
| 67100100 | MOBILIZATION | L SUM | 1 | 1 | | | | | | | | | | | | | | | |
| 70102620 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701501 | L SUM | 1 | 1 | | | | | | | | | | | | | | | |
| 70102630 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701601 | L SUM | 1 | 1 | | | | | | | | | | | | | | | |
| 70102635 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701701 | L SUM | 1 | 1 | | | | | | | | | | | | | | | |
| 70300100 | SHORT-TERM PAVEMENT MARKING | FOOT | 5000 | 5000 | | | | | | | | | | | | | | | |
| 70300210 | TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS | SQ FT | 610 | 610 | | | | | | | | | | | | | | | |

*Specialty Items

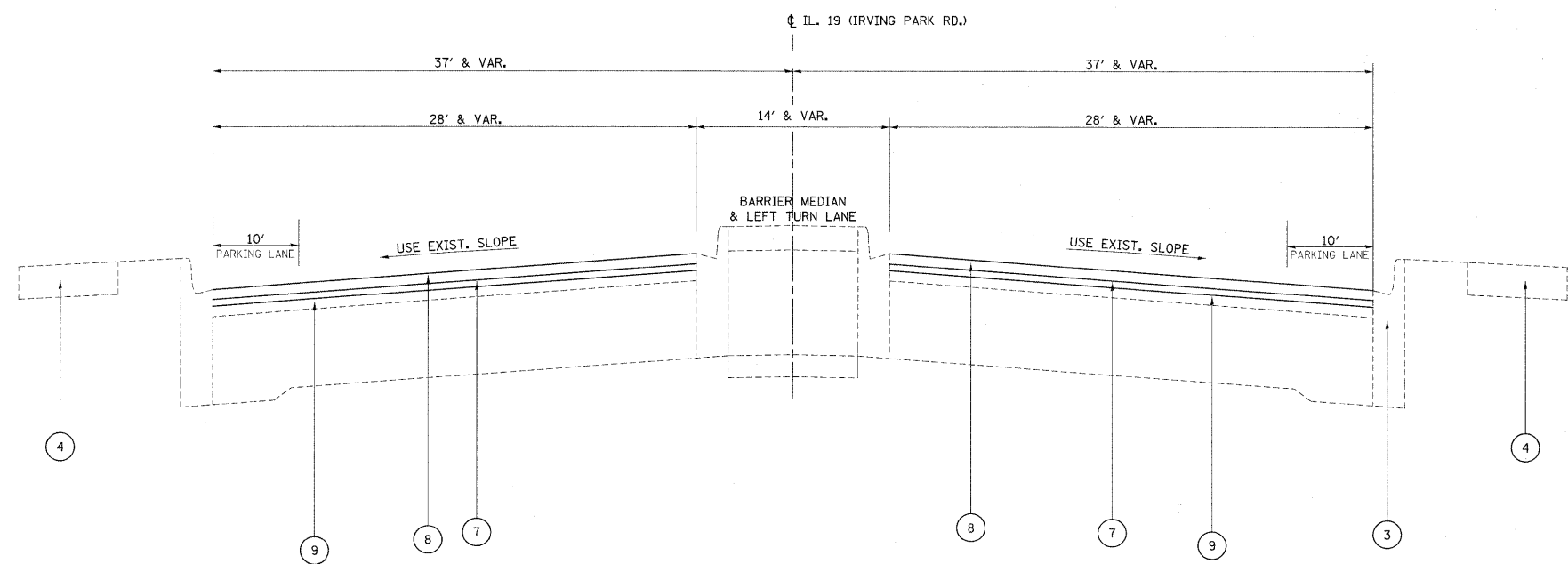


EXISTING TYPICAL CROSS SECTION
IL. ROUTE 19 (IRVING PARK ROAD)

PARKING LANES
STA. 89+10 TO STA. 98+00

LEGEND

1. EXISTING P.C.C PAVEMENT, ± 9"
2. EXISTING HMA PAVEMENT, ± 4"
3. EXISTING COMBINATION CONCRETE CURB AND GUTTER
4. EXISTING P.C.C. SIDEWALK
5. PROP. HMA SURFACE REMOVAL, 2 1/2"
6. EXISTING CONCRETE MEDIAN SURFACE
7. PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 (3/4")
8. PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "F", N90 (1 3/4")
9. EXISTING HMA SURFACE OVERLAY AFTER MILLING, ± 1 1/2"



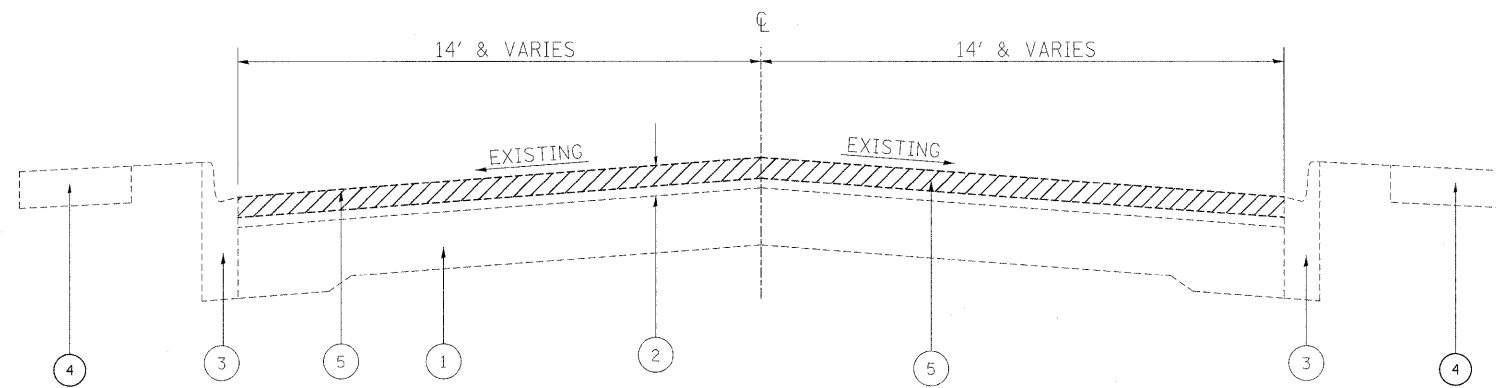
PROPOSED TYPICAL CROSS SECTION
IL. ROUTE 19 (IRVING PARK ROAD)

PARKING LANES
STA. 89+10 TO STA. 98+00

| HOT-MIX ASPHALT MIXTURE REQUIREMENTS | |
|--|------------------|
| MIXTURE TYPE | DESIGN AIR VOIDS |
| POLYMERIZED HMA SURFACE COURSE, MIX F, N90, (IL-9.5 mm) | 4% @ 90 GYR |
| POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 | 4% @ 50 GYR |
| CLASS D PATCHES (HMA BINDER IL 19 mm) | 4% @ 70 GYR |
| HMA REPLACEMENT OVER PATCHES (HMA BINDER IL 19 mm) | 4% @ 70 GYR |

NOTES
 THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE COURSE MIXTURES IS 112 LBS/SOYD/IN.
 "THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS."
 "FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS."

NOTES
 THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING



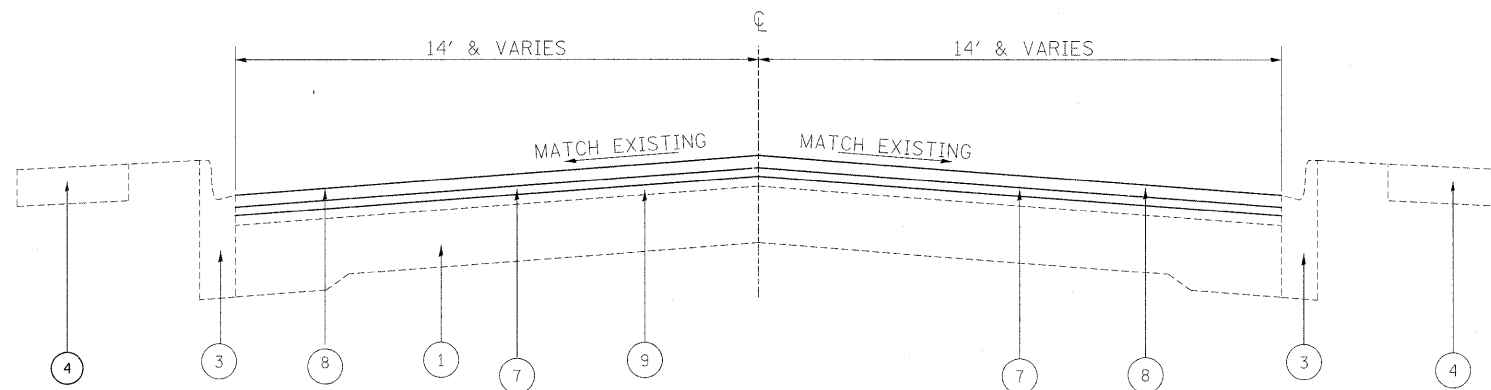
EXISTING TYPICAL CROSS SECTION

IL. ROUTE 19 (IRVING PARK ROAD)

**PARKING LANES
STA. 98+00 TO STA. 160+00**

LEGEND

1. EXISTING P.C.C PAVEMENT, ± 9"
2. EXISTING HMA PAVEMENT, ± 4"
3. EXISTING COMBINATION CONCRETE CURB AND GUTTER
4. EXISTING P.C.C. SIDEWALK
5. PROP. HMA SURFACE REMOVAL, 2 1/2"
6. EXISTING CONCRETE MEDIAN SURFACE
7. PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 (3/4")
8. PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "F", N90 (1 3/4 ")
9. EXISTING HMA SURFACE OVERLAY AFTER MILLING, ± 1 1/2"



PROPOSED TYPICAL CROSS SECTION

IL. ROUTE 19 (IRVING PARK ROAD)

**PARKING LANES
STA. 98+00 TO STA. 160+00**

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PLOT DATE = 2/3/2010

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DATE -

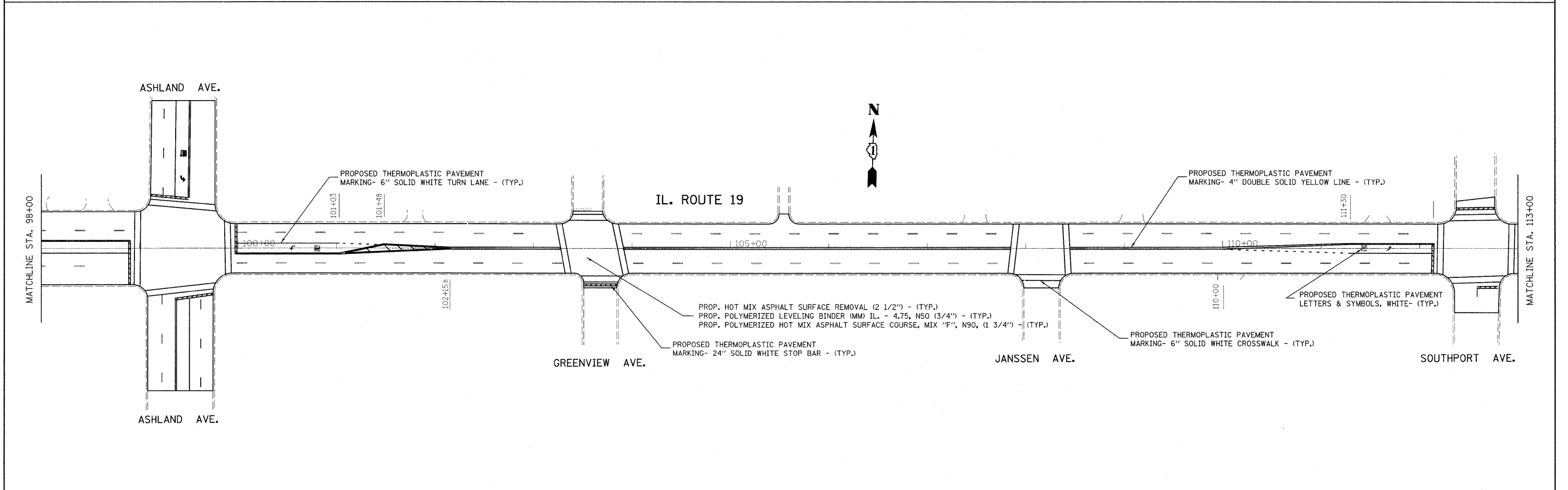
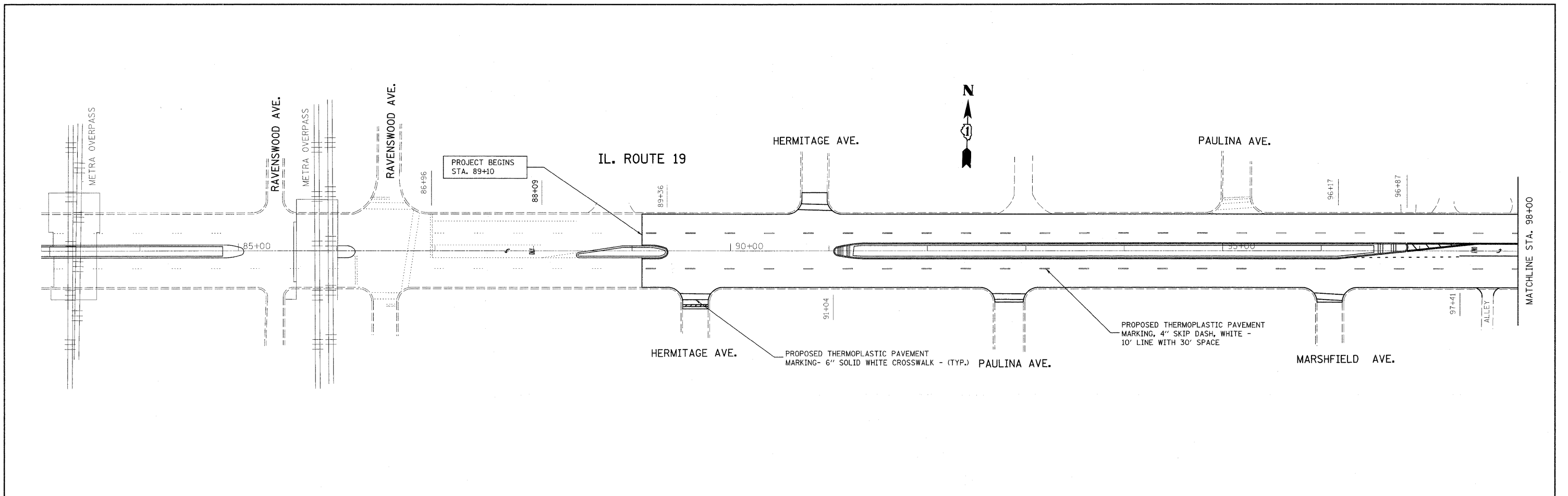
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

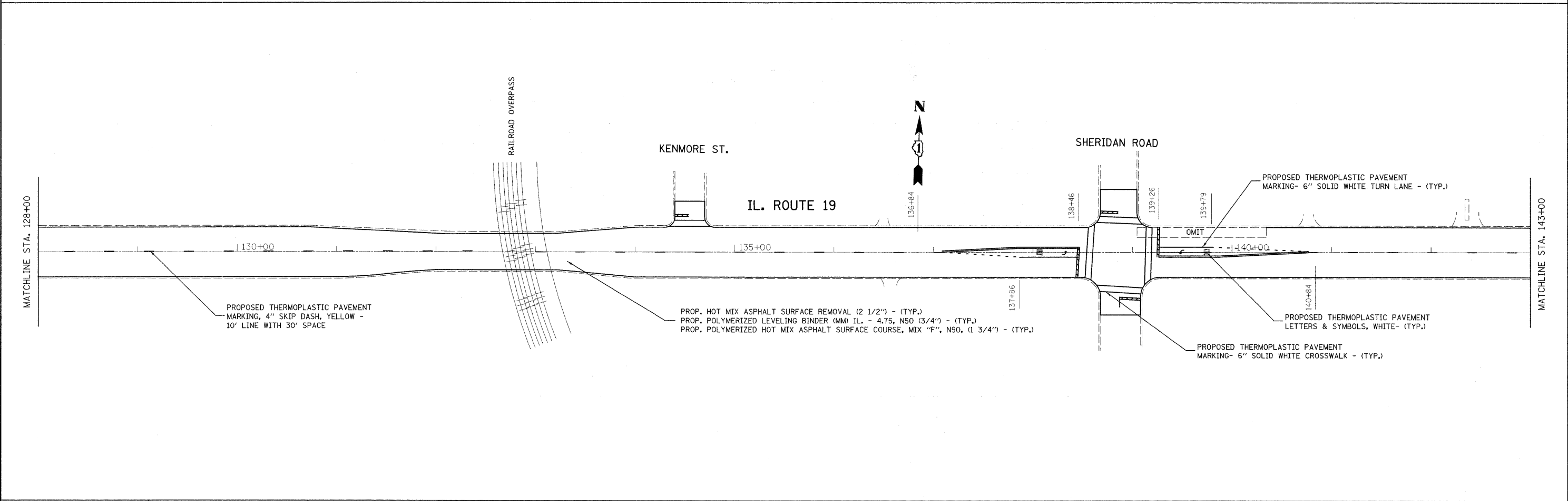
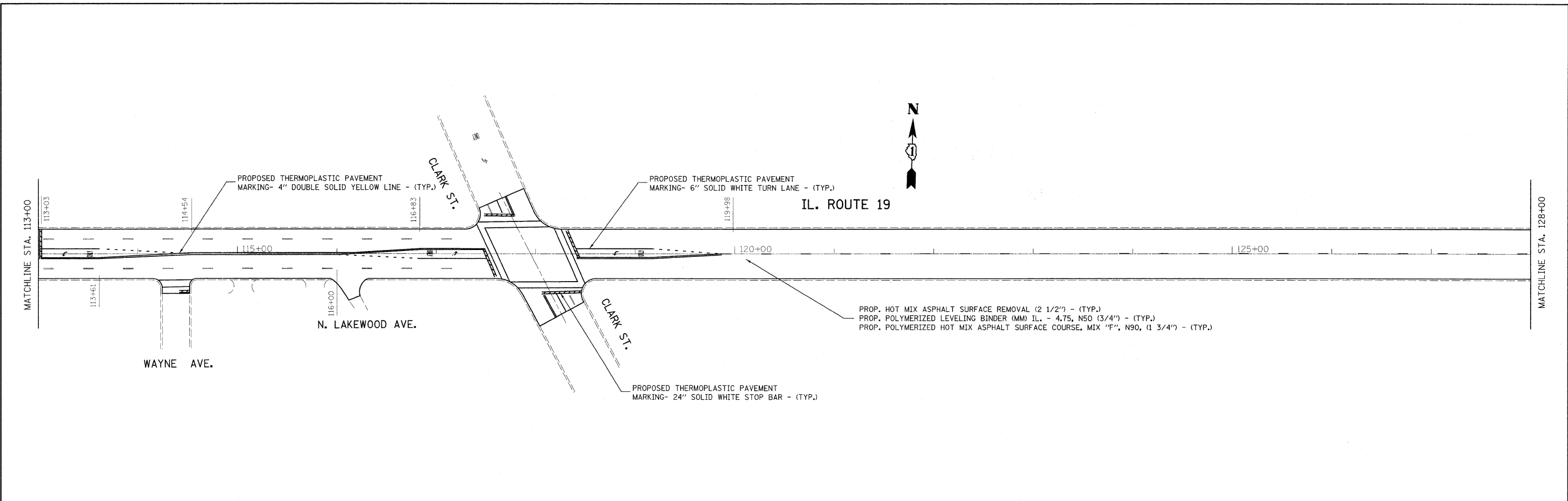
**IL. RTE. 1 (UNION AVE. - BURVILLE RD.)
TYPICAL SECTIONS**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|-------------|--------|--------------|-----------|
| 345 | 2009-103 RS | COOK | 19 | 5 |
| CONTRACT NO. 60168 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



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| | PLOT SCALE = 50,0000' / IN. | CHECKED - | REVISED - | | 345 | 2009-103 RS | COOK | 19 | 6 | | | |
| PLOT DATE = 2/3/2010 | DATE - | REVISED - | REVISED - | | SCALE: | SHEET NO. | OF | SHEETS | STA. | TO | STA. | CONTRACT NO. 60168 |
| ILLINOIS FED. AID PROJECT | | | | | | | | | | | | |



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 c:\pw\work\p12dot\guillaume\p\d0167267\

USER NAME = guillaume
 11910-sht-plan.dgn
 PLOT SCALE = 50.0000' / IN.
 PLOT DATE = 2/3/2010

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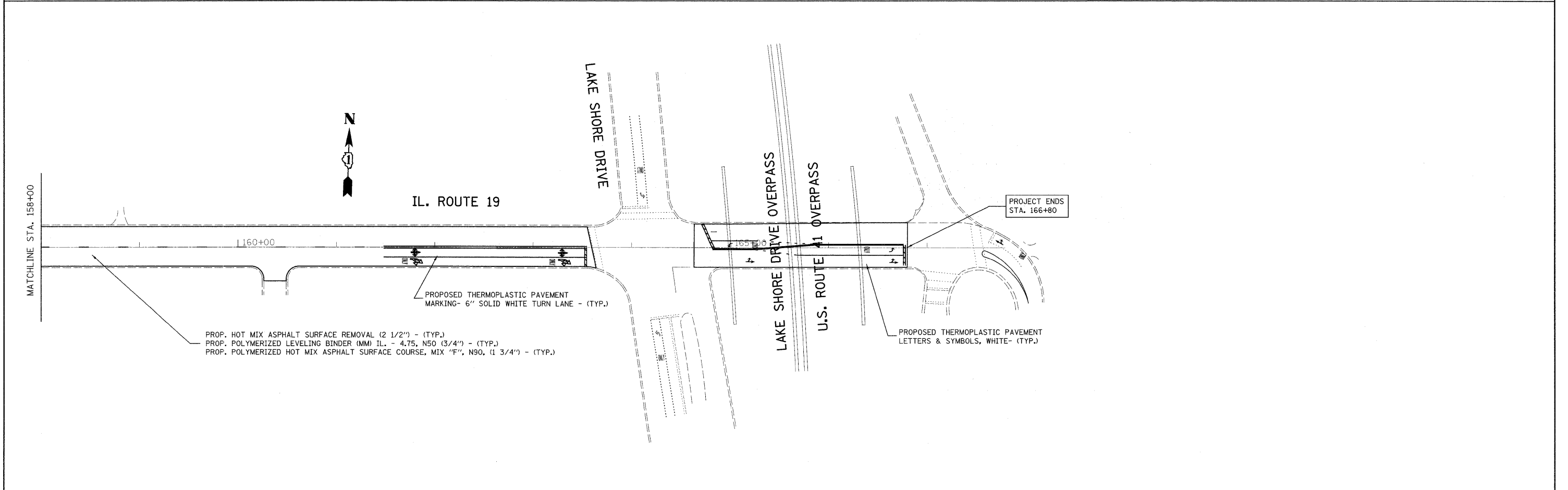
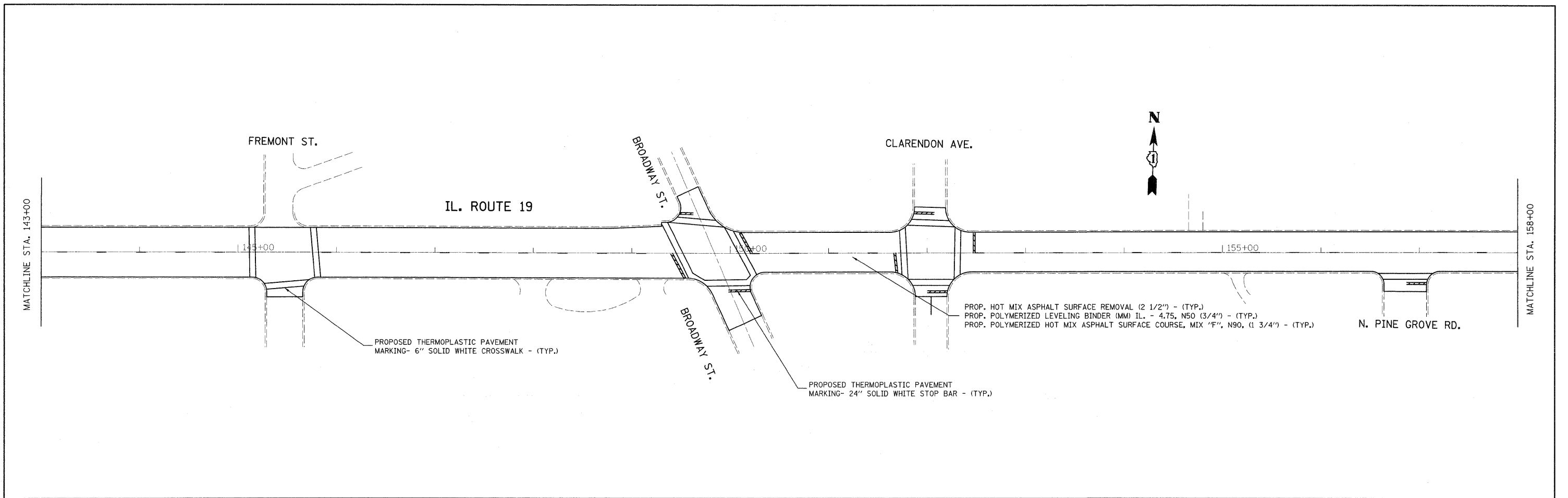
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

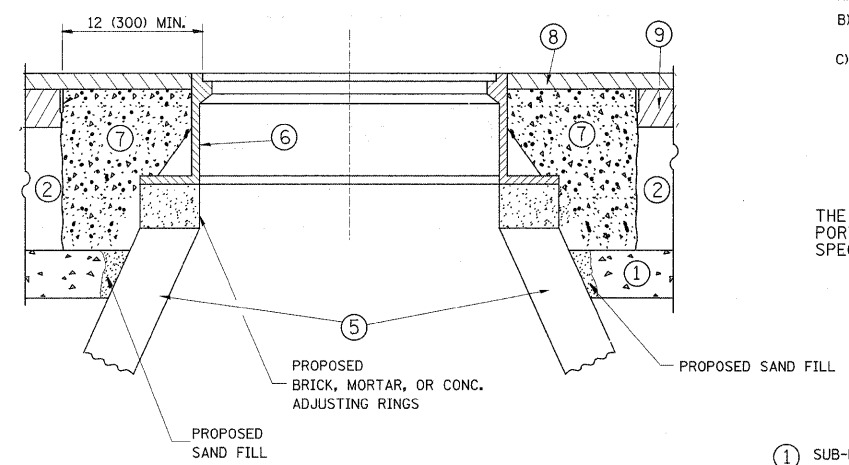
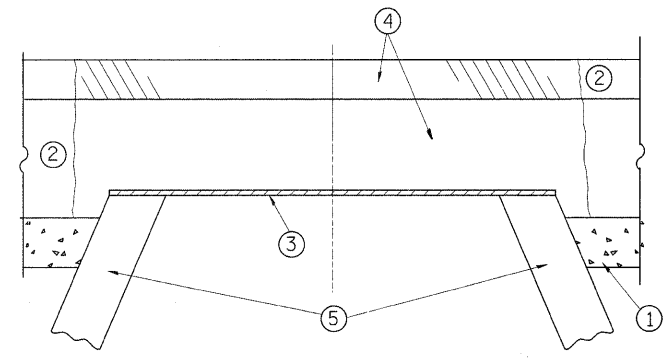
**IL. ROUTE 19
 FROM RAVENSWOOD TO U.S. 41**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|--------|--------------|-----------|
| 345 | 2009-103 RS | COOK | 19 | 7 |
| CONTRACT NO. 60I68 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



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|---|-------------------------|------------|-----------|---|--|-------------|-----------|---------------------------|---------|--------|--------------|-----------|
| FILE NAME = | USER NAME = guillaumejp | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | IL. ROUTE 19 FROM RAVENSWOOD TO U.S. 41 | | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| ci:\pwwork\pwwork\guillaumejp\d0167267\11810-sht-plan.dgn | 11810-sht-plan.dgn | DRAWN - | REVISED - | | 345 | 2009-103 RS | COOK | 19 | 8 | | | |
| PLOT SCALE = 50.0000' / IN. | | CHECKED - | REVISED - | | CONTRACT NO. 60168 | | | ILLINOIS FED. AID PROJECT | | | | |
| PLOT DATE = 2/3/2010 | | DATE - | REVISED - | | SCALE: | SHEET NO. | OF SHEETS | STA. | TO STA. | | | |



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 1/2 (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 SI 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 SI CONCRETE, HMA SURFACE COURSE OR HMA BINDER COURSE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

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.

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.

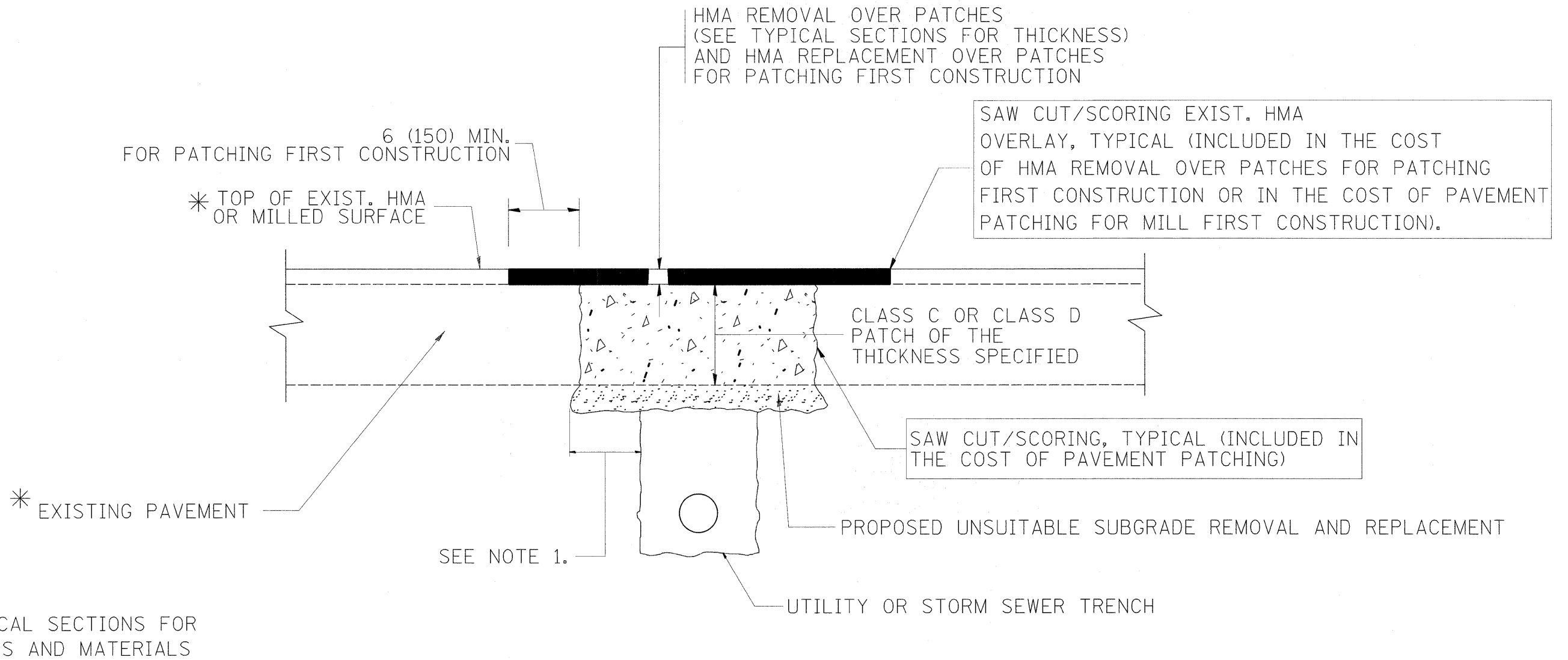
BASIS OF PAYMENT: THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "FRAMES AND LIDS TO BE ADJUSTED, SPECIAL"

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

| | | | | | | | | | | | | | |
|---|-------------------------|--------------------------------|-----------------------------|---|--|-------------------------|--------------|---|--------------------|---------|--------|-----------------|--------------|
| FILE NAME = | USER NAME = guillaumejp | DESIGNED - R. SHAH | REVISED - R. SHAH 03-10-95 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING | | | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| ct:\pw_work\pwwork\guillaumejp\0167267\ | 11810-sht-plan.dgn | DRAWN - | REVISED - A. ABBAS 03-21-97 | | 345 | 2009-103 RS | COOK | 19 | 9 | | | | |
| PLOT SCALE = 50.0000' / IN. | CHECKED - | REVISED - R. WIEDEMAN 05-14-04 | | | BD600-03 (BD-8) | | | | CONTRACT NO. 60168 | | | | |
| PLOT DATE = 2/3/2010 | DATE - 10-25-94 | REVISED - R. BORO 01-01-07 | | | SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. TO STA. | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | | |



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 (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

| | | | | | | | | | | | |
|--|-----------------------------|--------------------|-----------------------------|---|--|-------------------------|-------------------------|--------------------------|---|-----------|--|
| FILE NAME = | USER NAME = guilloumefp | DESIGNED - R. SHAH | REVISED - A. ABBAS 04-27-98 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| ct:\pw_work\pwsdot\guilloumefp\d0167267\ | 11810-sht-plan.dgn | DRAWN - | REVISED - R. BORO 01-01-07 | | | 345 | 2009-103 RS | COOK | 19 | 10 | |
| | PLOT SCALE = 50.0000' / IN. | CHECKED - | REVISED - R. BORO 09-04-07 | | | BD400-04 (BD-22) | | CONTRACT NO. 60168 | | | |
| | PLOT DATE = 2/3/2010 | DATE - 10-25-94 | REVISED - K. ENG 10-27-08 | | | SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. _____ TO STA. _____ | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | |

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE ②)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.

SEE STATE STANDARD 606001
EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

18" (450) MAX.

1/4" (5) **

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SODDING SALT TOLERANT WITH TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE ①).

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

* 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.

SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY,

② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

⑤ 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.

⑥ 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.

⑦ 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.

⑧ 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 USABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

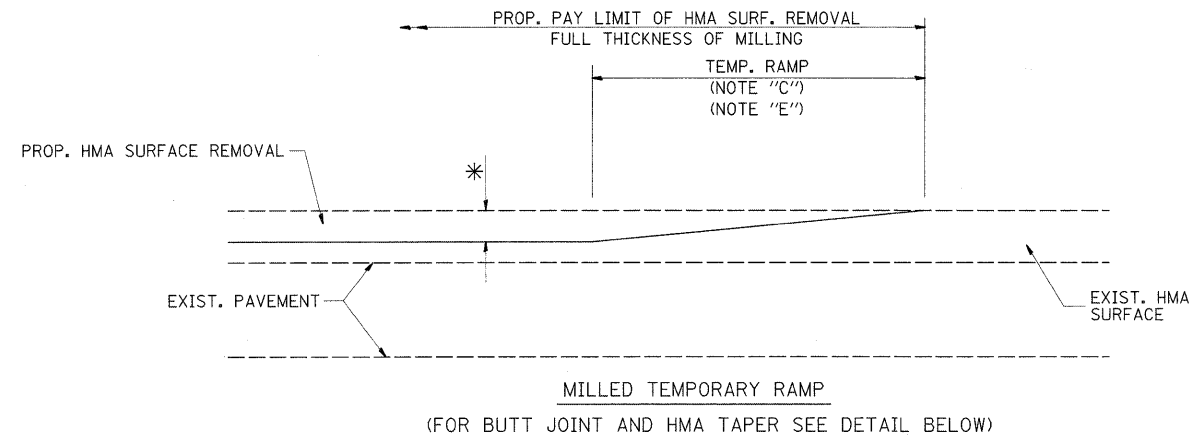
BASIS OF PAYMENT:

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".

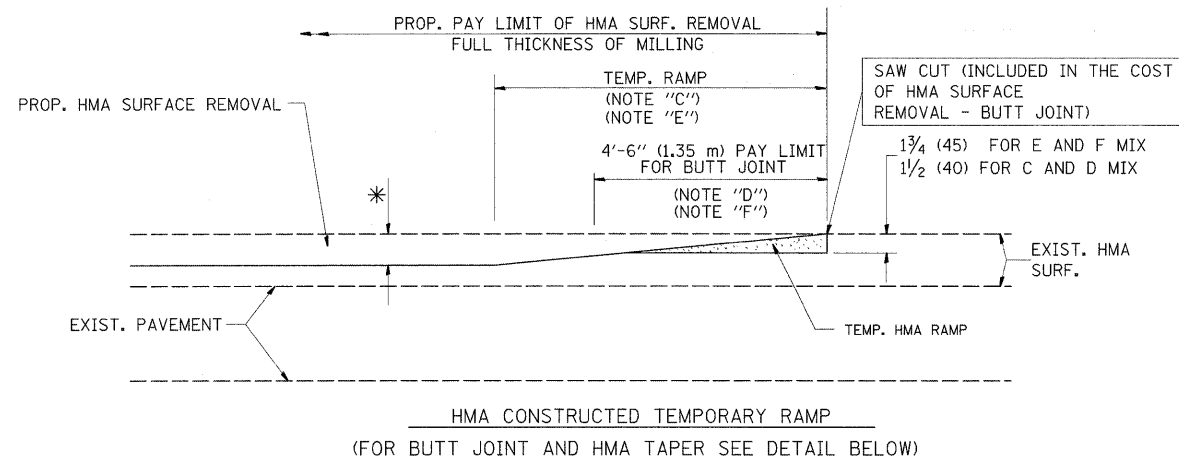
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

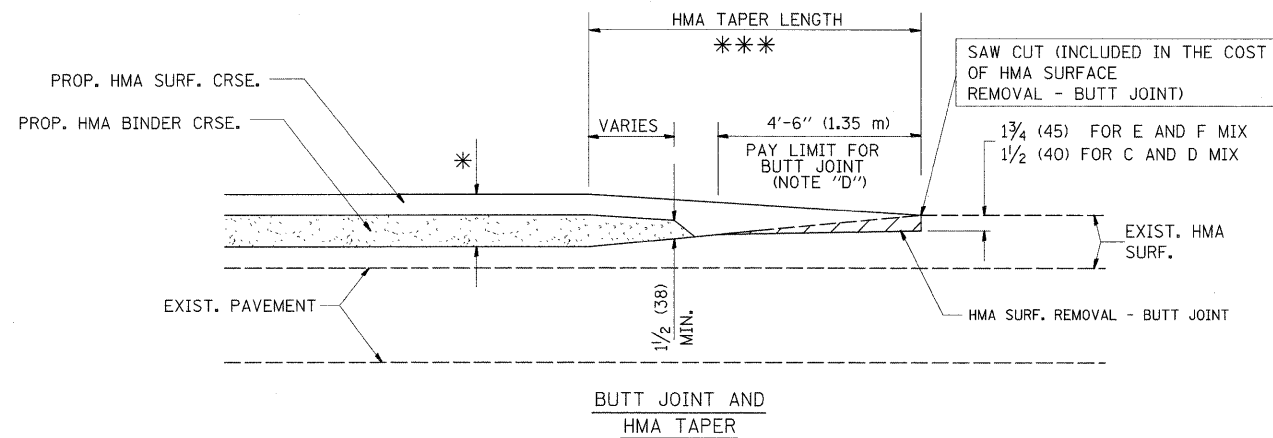
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|---|-------------------------|-----------------------------|-----------------------------|---|--|-------------|---------|---|---------|--------|--------------|-----------|
| FILE NAME = | USER NAME = guillaumejp | DESIGNED - A. HOUSEH | REVISED - R. SHAH 10-03-96 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT | | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| et\pw_work\pwsdot\guillaumejp\d0167267\ | 11810-shr-plan.dgn | DRAWN - | REVISED - A. ABBAS 03-21-97 | | 345 | 2009-103 RS | COOK | 19 | 11 | | | |
| PLOT SCALE = 50.0000' / IN. | CHECKED - | REVISOR - M. GOMEZ 01-22-01 | REVISIONS | | BD600-06 (BD-24) | | | CONTRACT NO. 60168 | | | | |
| PLOT DATE = 2/3/2010 | DATE - 03-11-94 | REVISED - R. BORO 12-15-09 | SCALE: NONE | | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA. | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



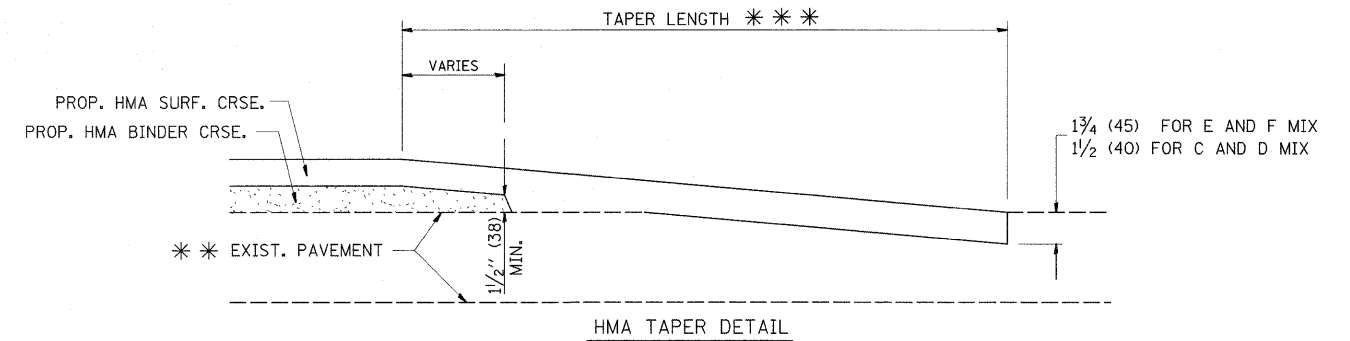
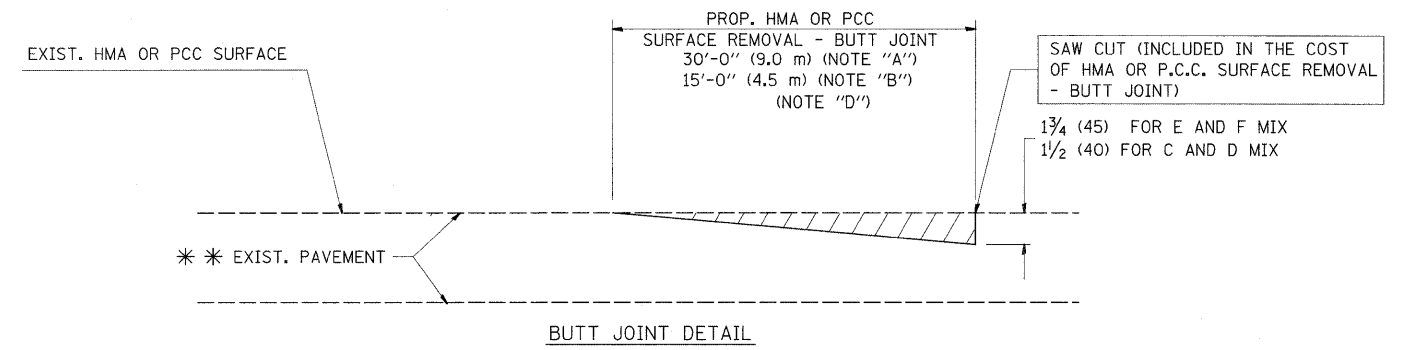
OPTION 1



**OPTION 2
TYPICAL TEMPORARY RAMP**



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



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

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

NOTES

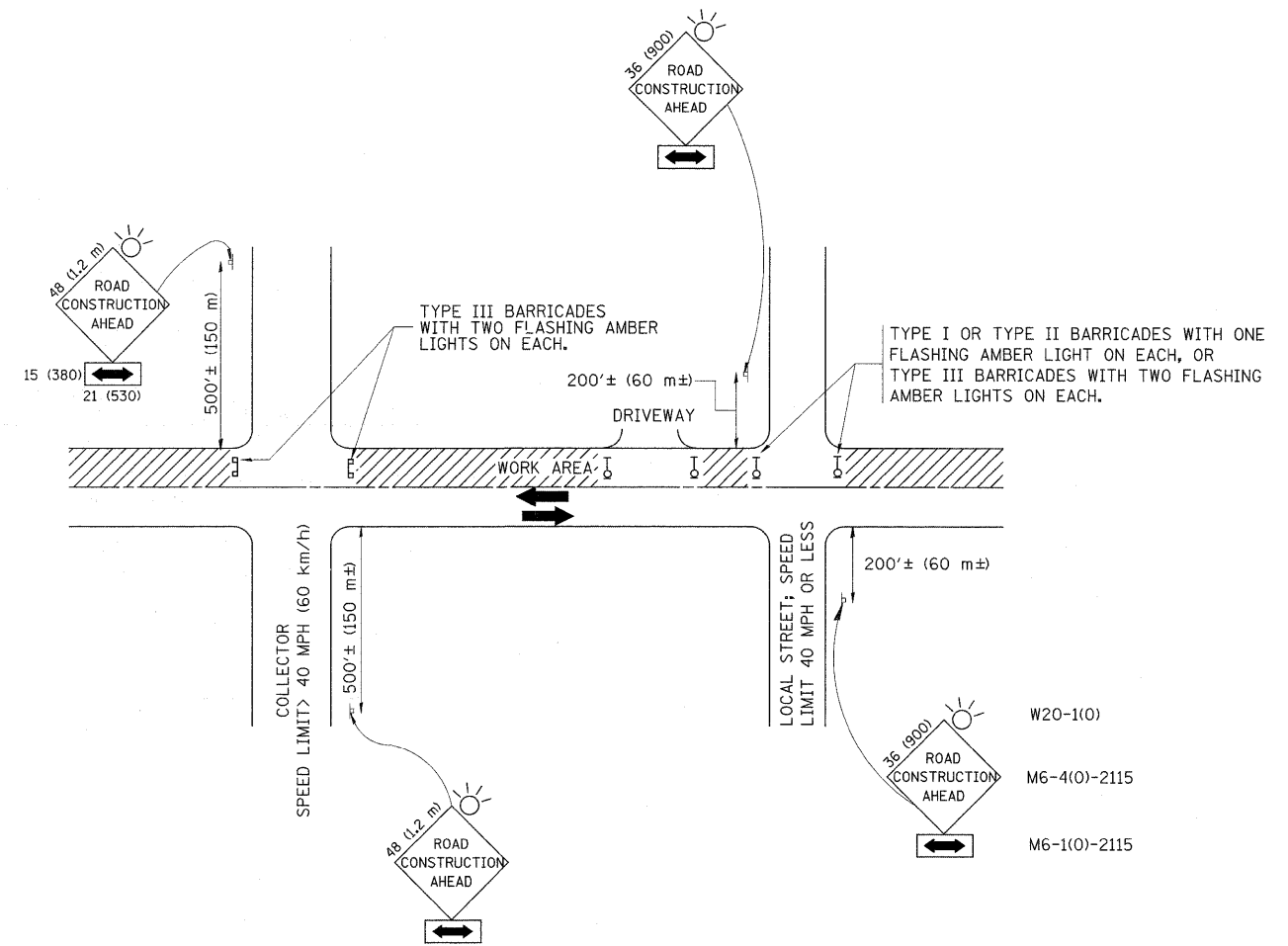
- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF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

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".

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

| | | | | | | | | | | | | |
|--|-------------------------|-----------------------------|-----------------------------|---|---|-------------------------|--------------|---|---------|--------|--------------|-----------|
| FILE NAME = | USER NAME = guilleumefp | DESIGNED - M. DE YONG | REVISED - R. SHAH 10-25-94 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | BUTT JOINT AND HMA TAPER DETAILS | | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| os:\pw\work\pwidot\guilleumefp\d0167267\ | 11810-shr-plan.dgn | DRAWN - | REVISED - A. ABBAS 03-21-97 | | 345 | 2009-103 RS | COOK | 19 | 12 | | | |
| PLOT SCALE = 50.0000' / IN. | CHECKED - | REVISED - M. GOMEZ 04-06-01 | | | BD400-05 BD32 | | | CONTRACT NO. 60168 | | | | |
| PLOT DATE = 2/3/2018 | DATE - 06-13-90 | REVISED - R. BORO 01-01-07 | | | SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. TO STA. | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



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

NOTES:

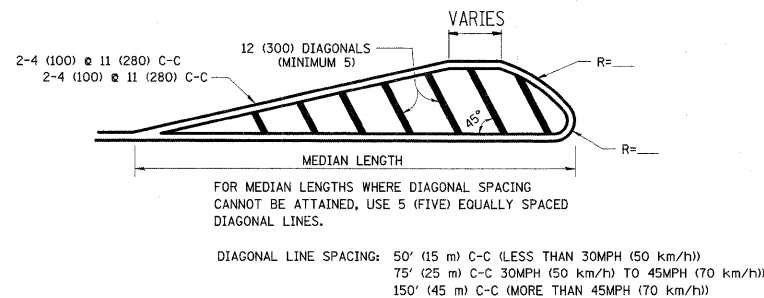
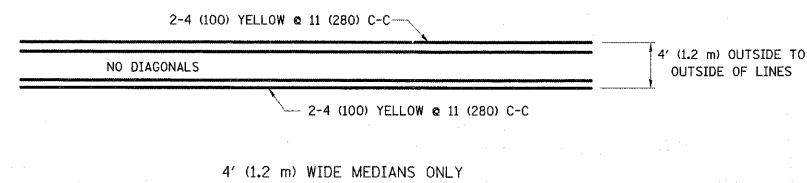
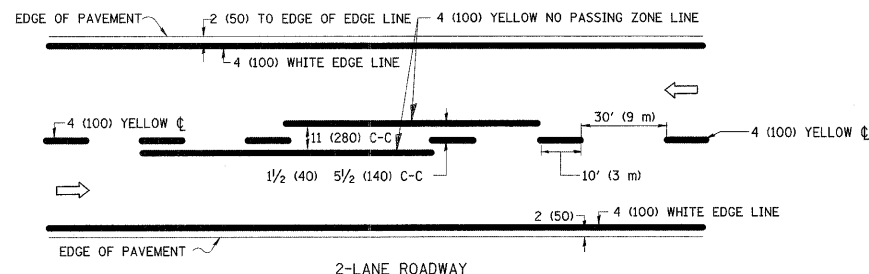
- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
 1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
 2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR 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.

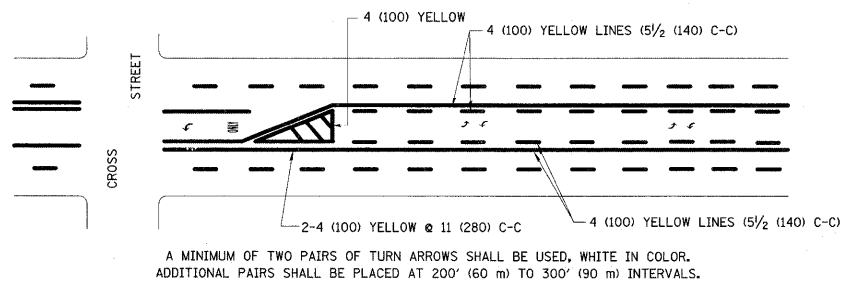
 - C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
 - D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

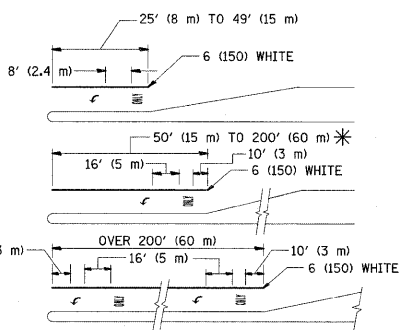
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|--|-----------------------------|----------------|---------------------------------|---|--|-------------------------|--------------|---|---------|--------|--------------|-----------|
| FILE NAME = | USER NAME = guillaumejp | DESIGNED - LHA | REVISED - J. OBERLE 10-18-95 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS | | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| ct\work\work\pki\dot\guillaumejp\0167267\0 | 11810-sht-plan.dgn | DRAWN - | REVISED - A. HOUSEH 03-06-96 | | 345 | 2009-103 RS | COOK | 19 | 13 | | | |
| | PLOT SCALE = 50.0000' / IN. | CHECKED - | REVISED - A. HOUSEH 10-15-96 | | TC-10 | | | CONTRACT NO. 60168 | | | | |
| | PLOT DATE = 2/3/2010 | DATE - 06-89 | REVISED - T. RAMMACHER 01-06-00 | | SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. TO STA. | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



MEDIANS OVER 4' (1.2 m) WIDE



TYPICAL PAINTED MEDIAN MARKING

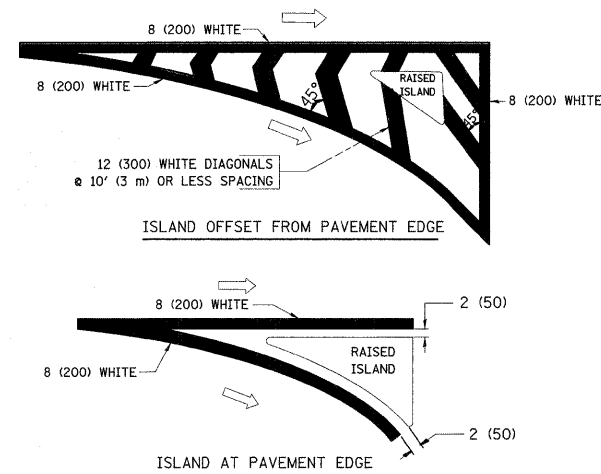


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
* AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

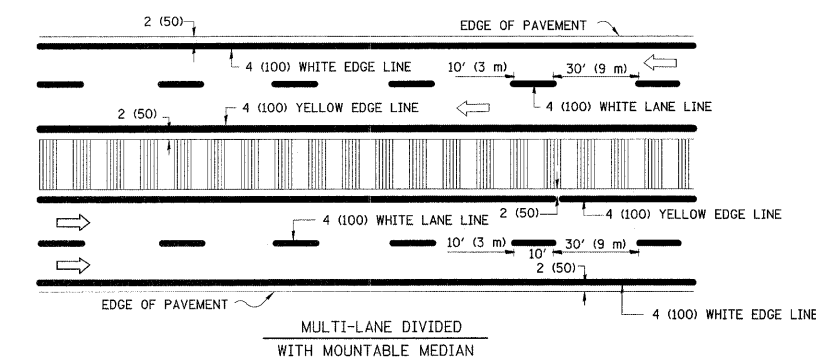
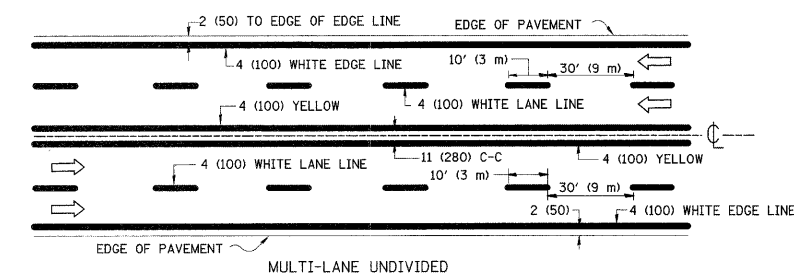
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

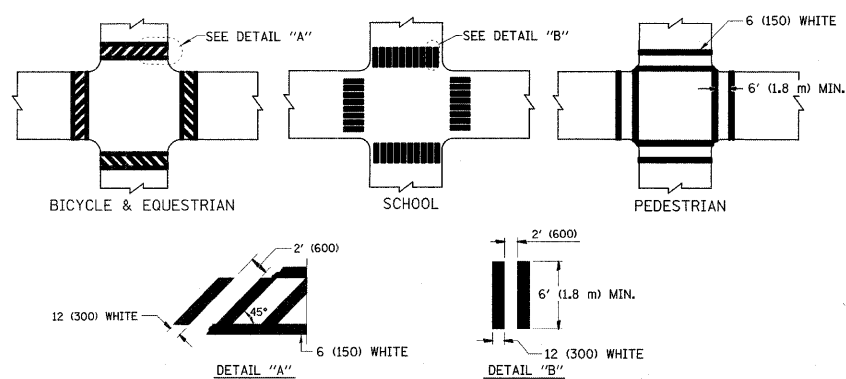


TYPICAL ISLAND MARKING



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

TYPICAL LANE AND EDGE LINE MARKING

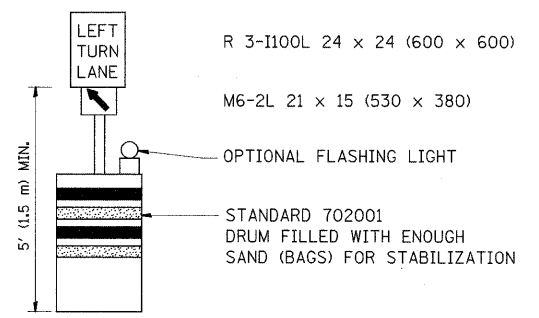
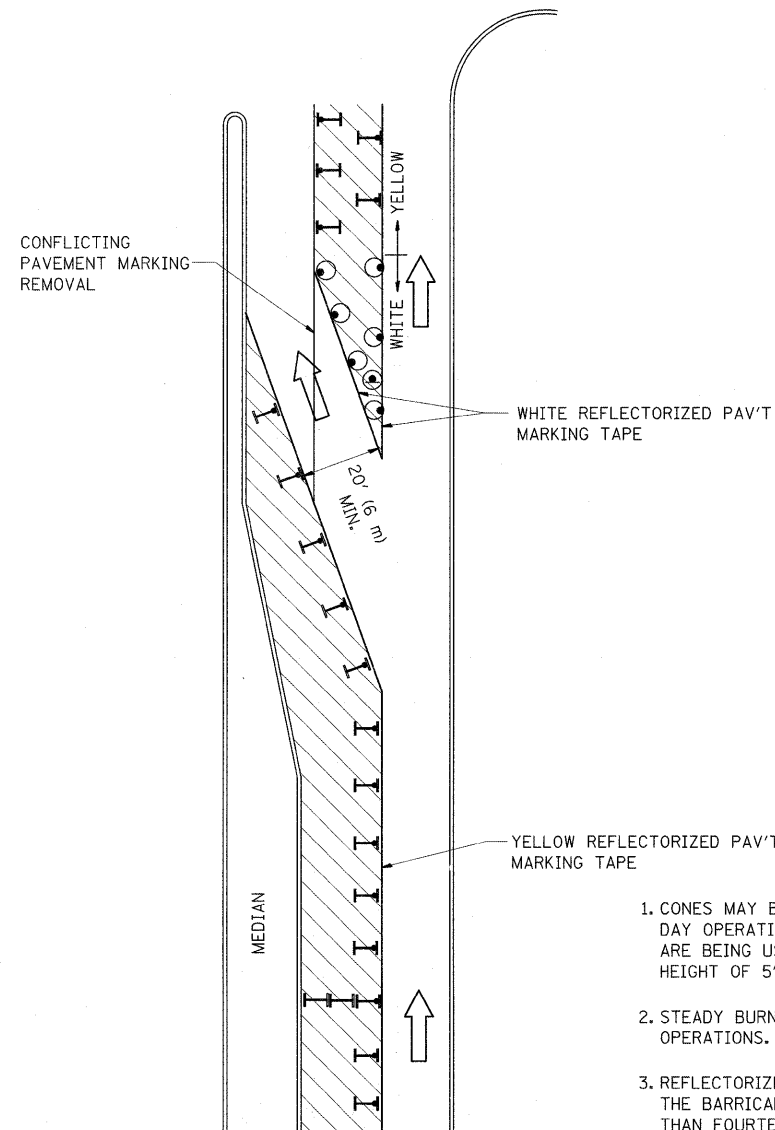


TYPICAL CROSSWALK MARKING

| 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 | 4 (100) | SOLID | YELLOW | 5/2 (140) C-C FROM SKIP-DASH CENTERLINE |
| FOR BOTH DIRECTIONS | 2 @ 4 (100) | SOLID | YELLOW | 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN |
| LANE LINES | 4 (100) | SKIP-DASH | WHITE | 10' (3 m) LINE WITH 30' (9 m) SPACE |
| 5 (125) ON FREEWAYS | SKIP-DASH | SKIP-DASH | WHITE | |
| 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 | SKIP-DASH AND SOLID | YELLOW | 10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE |
| | 8' (2.4m) LEFT ARROW | IN PAIRS | WHITE | 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 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° | 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 ²) EACH "X"=54.0 SQ. FT. (5.0 m ²) |
| SHOULDER DIAGONALS | 12 (300) @ 45° | SOLID | WHITE - RIGHT YELLOW - LEFT | 50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (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.

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









GENERAL NOTES

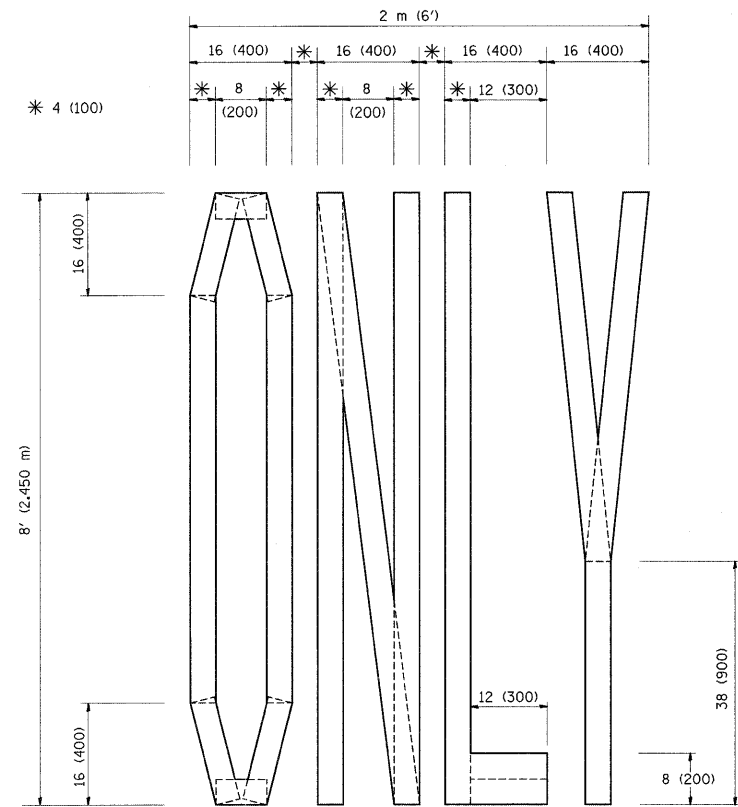
1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM BT 725 IS REQUIRED.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

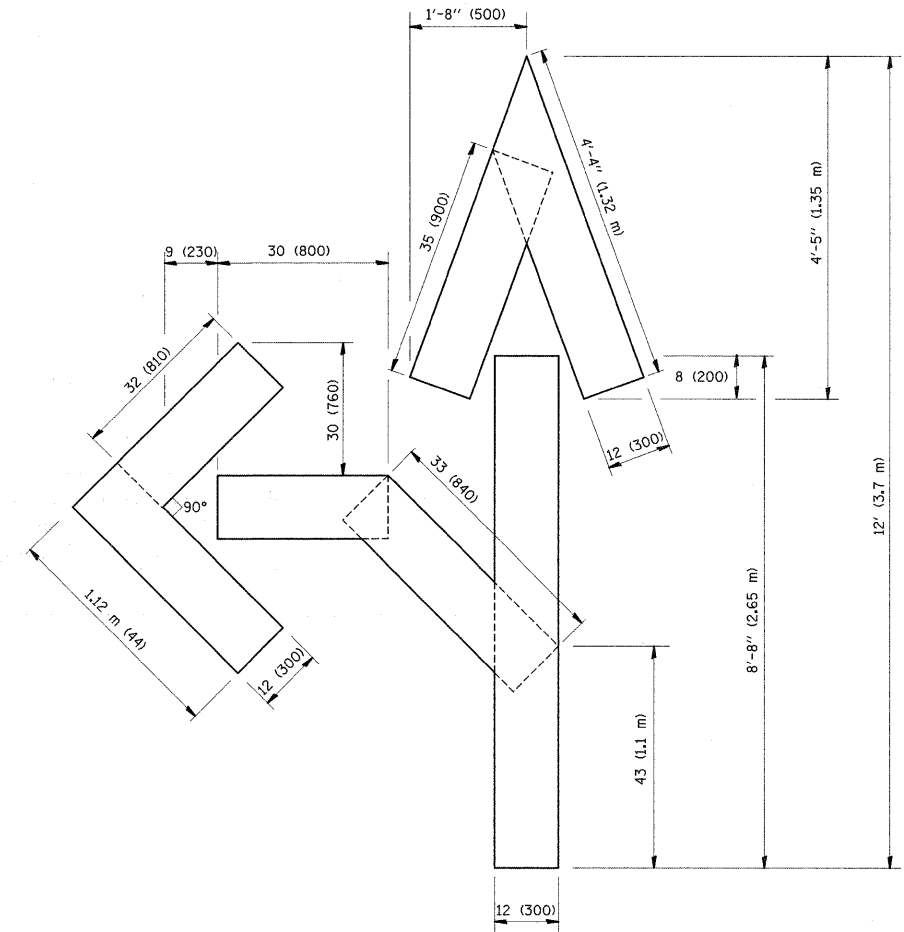
LEGEND

-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

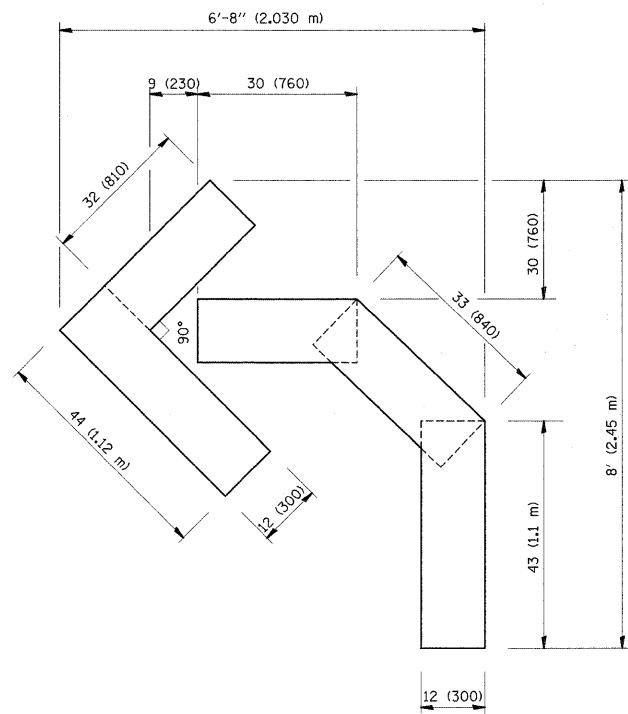
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|---|-------------------------|------------|--------------------------------|---|--|-------------------------|--------------|---|-------------|--------|--------------|-----------|
| FILE NAME = | USER NAME = guilleumefp | DESIGNED - | REVISED -T. RAMMACHER 09-08-94 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) | | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| est:\pwwork\pwwork\guilleumefp\d0167267\11810-ah-t-plen.dgn | 11810-ah-t-plen.dgn | DRAWN - | REVISED - A. HOUSEH 11-07-95 | | | | | 345 | 2009-103 RS | COOK | 19 | 15 |
| PLOT SCALE = 50,000.0' / IN. | | CHECKED - | REVISED - A. HOUSEH 10-12-96 | | TC-14 | | | CONTRACT NO. 60168 | | | | |
| PLOT DATE = 2/3/2010 | | DATE - | REVISED -T. RAMMACHER 01-06-00 | | SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. TO STA. | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



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.

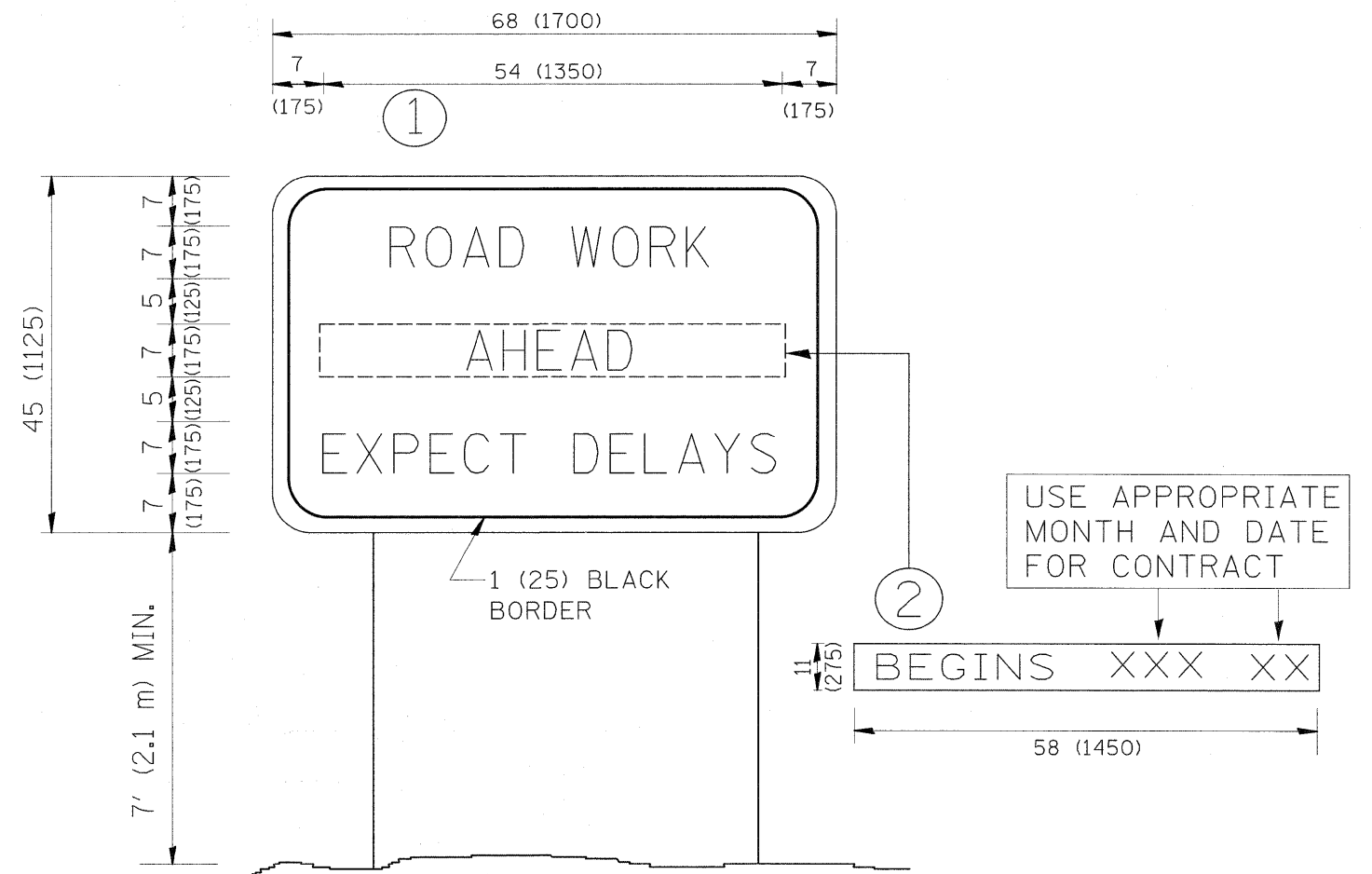
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| ct:\pw_work\p\p\dot\guillaumefp\d0167267\11810-shs-plan.dgn | 11810-shs-plan.dgn | DRAWN - | REVISED - T. RAMMACHER 11-04-97 |
| PLOT SCALE = 50.0000' / IN. | CHECKED - | REVISED - T. RAMMACHER 03-02-98 | |
| PLOT DATE = 2/3/2010 | DATE - 09-18-94 | REVISED - E. GOMEZ 08-28-00 | |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

| | | | | |
|---|-------------|--------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 345 | 2009-103 RS | COOK | 19 | 16 |
| TC-16 | | | CONTRACT NO. 60168 | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |

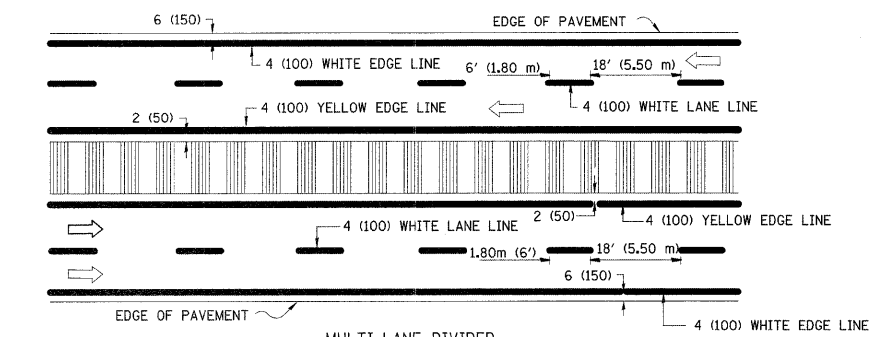
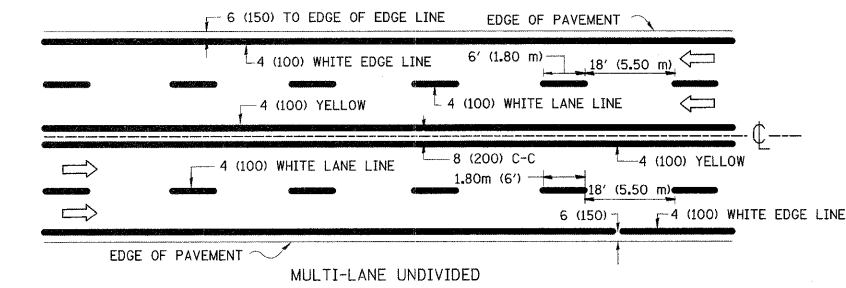
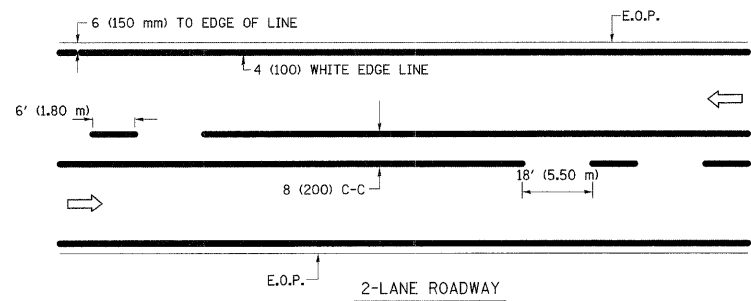


NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

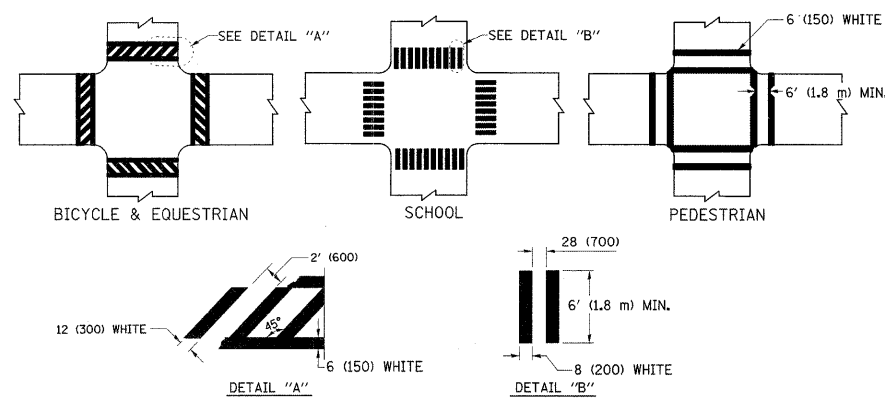
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

| | | | | | | | | | | | |
|--|------------------------------|------------|---------------------------------|---|---|--------------|-------------------------|---------------------------|--------------|---|--|
| FILE NAME = | USER NAME = guillaumejp | DESIGNED - | REVISED - R. MIRS 09-15-97 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | ARTERIAL ROAD INFORMATION SIGN | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| ci:\pw_work\pwsdot\guillaumejp\d0167267\ | 11810-ah-1-plan.dgn | DRAWN - | REVISED - R. MIRS 12-11-97 | | | 345 | 2009-103 RS | COOK | 19 | 17 | |
| | PLOT SCALE = 50.0000 ' / IN. | CHECKED - | REVISED - T. RAMMACHER 02-02-99 | | | TC-22 | | CONTRACT NO. 60168 | | | |
| | PLOT DATE = 2/3/2010 | DATE - | REVISED - C. JUCIUS 01-31-07 | | | SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA. | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | |

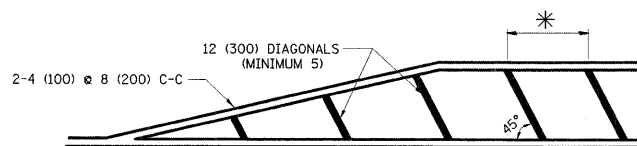


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING



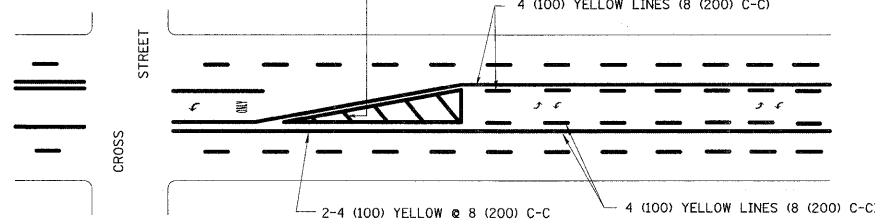
TYPICAL CROSSWALK MARKING



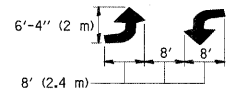
* FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

* DIAGONAL LINE SPACING: 20' (6.1 m) C-C

PAINTED MEDIANS

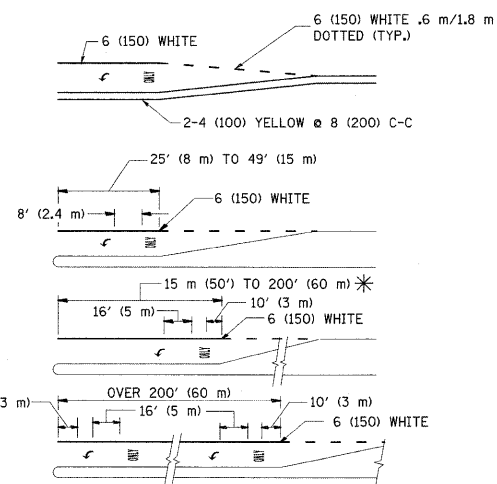


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

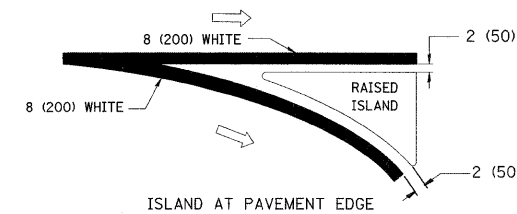
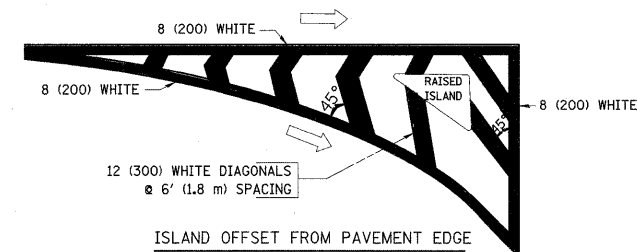


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.8 SQ. FT. (1.47 m²) ONLY AREA = 22.9 SQ. FT. (2.13 m²)

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

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

| TYPE OF MARKING | WIDTH OF LINE | PATTERN | COLOR | SPACING / REMARKS |
|---|--|---------------------------------|---|--|
| CENTERLINE ON 2 LANE PAVEMENT | 4 (100) | SKIP-DASH | YELLOW | 6' (1.80 m) LINE WITH 18' (5.50 m) SPACE |
| CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT | 2 @ 4 (100) | SOLID | YELLOW | 8 (200) C-C |
| NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS | 4 (100) 2 @ 4 (100) | SOLID SOLID | YELLOW YELLOW | 8 (200) C-C |
| LANE LINES | 4 (100) 5 (125) ON FREEWAYS | SKIP-DASH SKIP-DASH | WHITE WHITE | 6' (1.80 m) LINE WITH 18' (5.50 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) 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' (2.4 m)) | SOLID | WHITE | SEE TYPICAL TURN LANE MARKING DETAIL |
| TWO WAY LEFT TURN MARKING | 2 @ 4 (100) EACH DIRECTION 8' (2.4 m) LEFT ARROW | SKIP-DASH AND SOLID IN PAIRS | YELLOW WHITE | 6' (1.8 m) LINE WITH 18' (5.50 m) SPACE FOR SKIP-DASH; 8 (200) 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° 8 (200) @ 90° | SOLID SOLID SOLID | WHITE WHITE WHITE | NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2'-4" (700) 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° | SOLID | YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC | 8 (200) 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: 20' (6.1 m) (LESS THAN 30 MPH (50 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. (0.33m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²) |

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STREET MARKING STANDARDS, PRINTED BY CITY OF CHICAGO, DEPARTMENT OF TRANSPORTATION, BUREAU OF TRAFFIC.

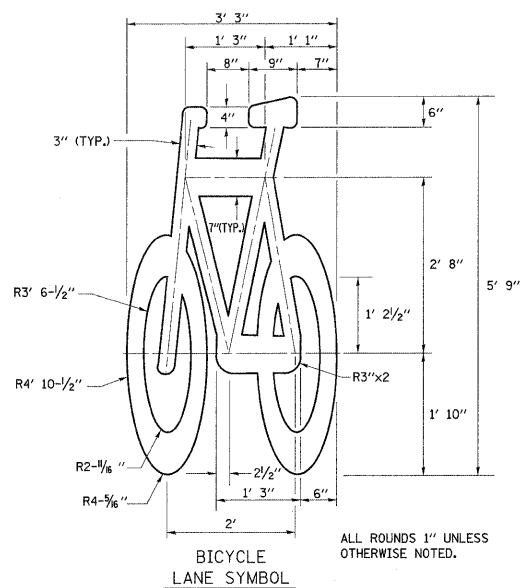
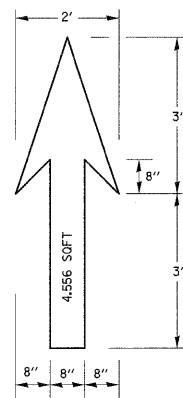
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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| | | CHECKED - | REVISED - |
| | | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | |
|---------------------------|-------------------------|--------------|--|
| CITY OF CHICAGO | | | |
| TYPICAL PAVEMENT MARKINGS | | | |
| SCALE: NONE | SHEET NO. 1 OF 2 SHEETS | STA. TO STA. | |

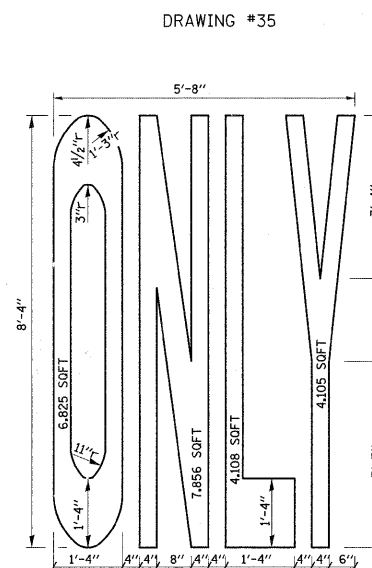
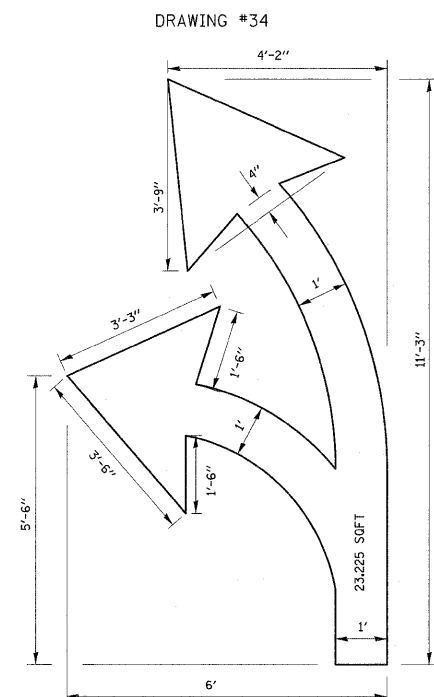
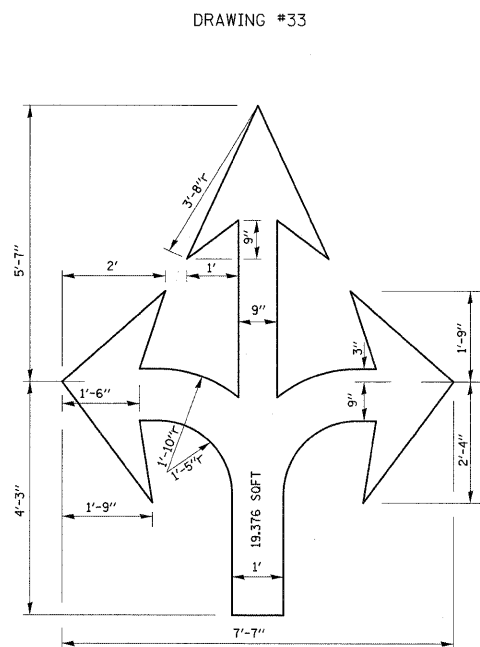
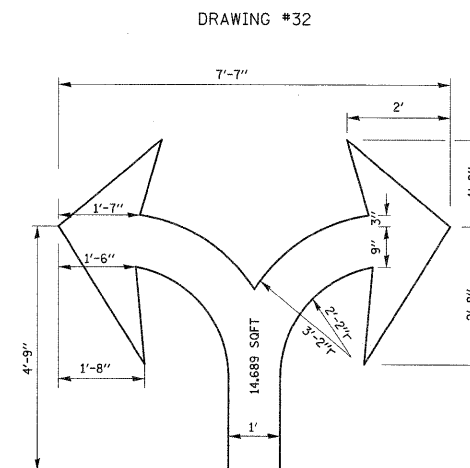
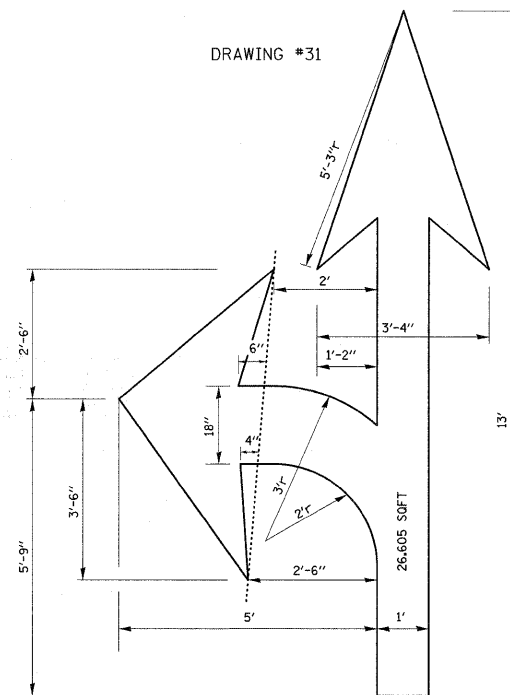
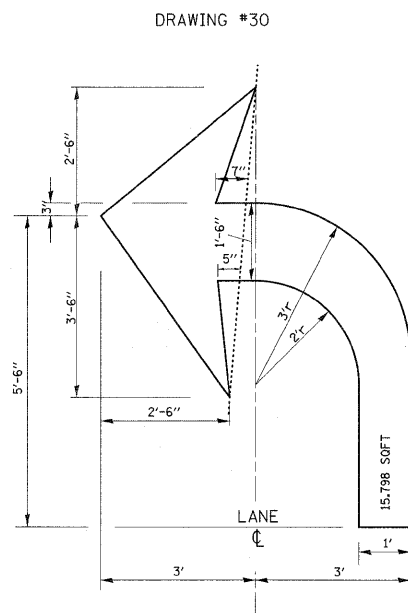
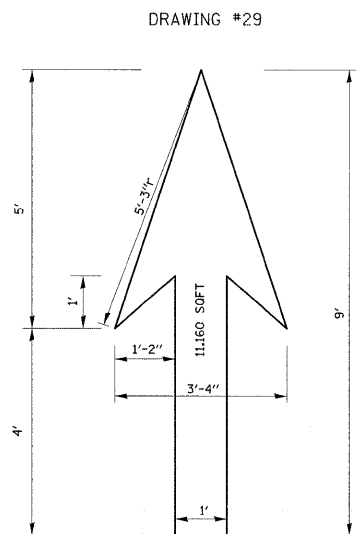
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| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 345 | 2009-103 RS | COOK | 19 | 18 |
| TC-24 | | | CONTRACT NO. 60168 | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



NOTE:

- FOR BIKE LANE SYMBOLS ONLY, USE PRE-FORMED THERMOPLASTIC WITH A MINIMUM THICKNESS OF 90 MILS, MINIMUM SKID RESISTANCE VALUE OF 60 BPN, & A MINIMUM INDEX OF REFRACTION OF 1.50.
- THE RESIDENT ENGINEER SHALL CONTACT MR. BEN GOMBERG AT 312-744-8093 AT LEAST ONE CALENDAR WEEK PRIOR TO INSTALLING BIKE LANE SYMBOLS.

TYPICAL BIKE LANE SYMBOLS
DRAWING #28



NOTE: ALL MARKINGS SHALL BE SOLID WHITE UNLESS OTHERWISE NOTED IN THE PLANS

| | | | |
|---|-------------------------|------------|---------------------------------|
| FILE NAME = | USER NAME = guillaumejp | DESIGNED - | REVISED - T. RAMMACHER 12-07-00 |
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| PLOT SCALE = 50.0000' / IN. | | CHECKED - | REVISED - |
| PLOT DATE = 2/3/2010 | | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO
TYPICAL PAVEMENT MARKINGS

SCALE: NONE SHEET NO. 2 OF 2 SHEETS STA. TO STA.

| | | | | |
|---|-------------|--------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 345 | 2009-103-RS | COOK | 19 | 19 |
| TC-24 | | | CONTRACT NO. 60168 | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |