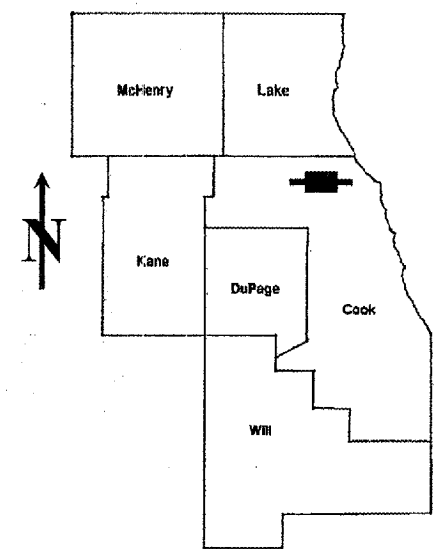


| ROUTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NUMBER |
|---------|---------------|--------|--------------|--------------|
| FAP 305 | 1518 PCC-PC-2 | COOK | 17 | 1 |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
DISTRICT ONE
PROPOSED HIGHWAY PLANS

CONTRACT NO. 62457

D-91-179-02

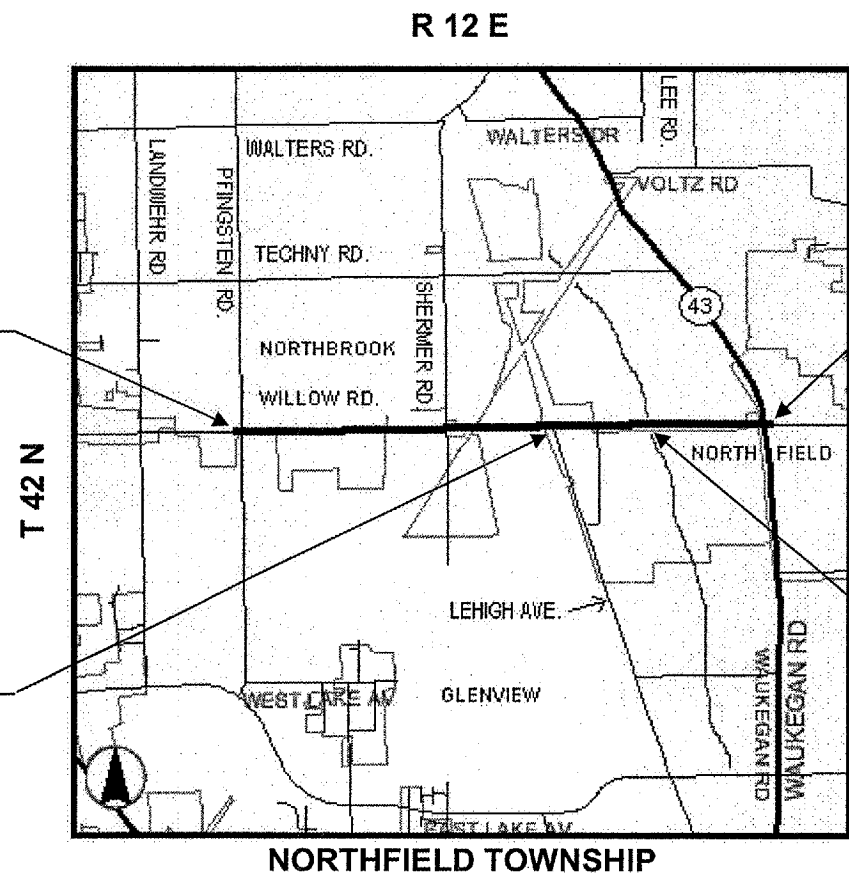


FOR INDEX OF SHEETS SEE SHEET 2

IMPROVEMENT LOCATED IN THE VILLAGES OF NORTHBROOK, NORTHFIELD & GLENVIEW

FAP 305: WILLOW ROAD
 W. OF PFINGSTEN RD. TO E. OF IL 43 (WAUKEGAN RD.)
 SECTION: 1518 PCC-PC-2
 PCC PATCHING
 COOK COUNTY
 C-91-179-02

LOCATION OF IMPROVEMENT INDICATED THUS:



IMPROVEMENT BEGINS:
STA. 47+00

IMPROVEMENT ENDS:
STA. 194+00

BRIDGE OMISSION
SN: 016-0533
± STA. 136+05 TO
STA. 139+95

BRIDGE OMISSION
SN: 016-0534
± STA. 160+25 TO
STA. 161+20

TRAFFIC DATA
WILLOW ROAD

SPEED LIMIT = 40 - 45 MPH
2002 ADT = 42,100

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
 SUBMITTED: April 13, 2005
Dina O'Keefe
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
May 13, 2005
Mike Henry
 ENGINEER OF DESIGN AND ENVIRONMENT
May 13, 2005
Victor Madere
 DIRECTOR, DIVISION OF HIGHWAYS

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

J.U.L.I.E.: JOINT UTILITY LOCATION
INFORMATION FOR EXCAVATION
 (312) 744-7000

GROSS LENGTH OF IMPROVEMENT = 14,700 FT. = 2.78 MILES
 NET LENGTH OF IMPROVEMENT = 14,215 FT. = 2.69 MILES

CONTRACT NO. 62457

DISTRICT ONE - DESIGN - PLAN PREPARATION ENGINEER:
KEN ENG / ROBERT BORO (847) 705-4178

| | | | | |
|--------------|----------------|---------------|---------------------|---------------------|
| ROUTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NUMBER |
| FAP 305 | 1518 PCC-PC-2 | COOK | 17 | 2 |

CONTRACT 62457

INDEX OF SHEETS

STATE STANDARDS

| <u>SHEET NO.</u> | <u>DESCRIPTION</u> | | |
|------------------|--|--------|---|
| 1 | TITLE SHEET | 420001 | PAVEMENT JOINTS |
| 2 | INDEX OF SHEETS, STATE STANDARDS | 420101 | 7.2 M (24') JOINTED PCC PAVEMENT |
| 3 | GENERAL NOTES | 420106 | 10.8 M (36') JOINTED PCC PAVEMENT |
| 4 | SUMMARY OF QUANTITIES | 420111 | PCC PAVEMENT ROUNDOUTS |
| 5 | TYPICAL SECTION | 420701 | PAVEMENT FABRIC |
| 6-12 | PAVEMENT PATCHING SCHEDULE | 442101 | CLASS B PATCHES |
| 13 | DISTRICT ONE TYPICAL PAVEMENT MARKINGS | 701101 | OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE |
| 14 | TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS | 701301 | LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS |
| 15 | CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT | 701601 | URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NON-TRAVERSABLE MEDIAN |
| 16 | DISTRICT ONE TYPICAL APPLICATIONS OF RAISED REFLECTIVE PAVEMENT MARKERS | 701606 | URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN |
| 17 | TRAFFIC CONTROL AND PROTECTION AT TURN BAYS | 701701 | URBAN LANE CLOSURE, MULTILANE INTERSECTION |
| | | 702001 | TRAFFIC CONTROL DEVICES |

ILLINOIS DEPARTMENT OF TRANSPORTATION

**INDEX OF SHEETS &
STATE STANDARDS**

| ROUTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NUMBER |
|---------|---------------|--------|--------------|--------------|
| FAP 305 | 1518 PCC-PC-2 | COOK | 17 | 3 |

CONTRACT 62457

GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. (48 HOUR NOTIFICATION IS REQUIRED).
2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.
3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
4. USE EPOXY-COATED #5 BARS IN SAWED LONGITUDINAL JOINTS AND EPOXY-COATED #8 BARS WITHOUT KEYWAY IN LIEU OF #5 BARS WITH KEYWAY IN LONGITUDINAL CONSTRUCTION JOINTS FOR P.C.C. PAVEMENT.
5. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD (FOR FUTURE REFERENCES), ALL EXISTING RAISED REFLECTIVE PAVEMENT MARKERS IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED WITH MARKERS.
6. LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND COMBINATION CURB AND GUTTER (THE TYPE SPECIFIED ON THE PLANS), WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
7. DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
8. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
9. FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
10. ALL CURB AND GUTTER REPAIRS ARE LOCATED ADJACENT TO THE PAVEMENT PATCH.
11. PAVEMENT PATCHES ARE NOT TO BE DONE AT LOCATIONS THAT INTERFERE WITH LOOP DETECTORS.
12. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
13. PAVEMENT MARKINGS WILL BE REPLACED AT COMPLETION OF PROJECT ON A SEPARATE STRIPING CONTRACT. THE RESIDENT ENGINEER SHALL CONTACT BILL DOHERTY AT (847) 705-4156 TO COORDINATE THE PAVEMENT MARKINGS.
14. 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.
15. THESE PLANS HAVE BEEN PREPARED FROM NOTES RECEIVED FROM CONSTRUCTION.
16. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
17. THE ENGINEER SHALL OBTAIN APPROVAL FROM THE DISTRICT ONE BUREAU CHIEF OF MAINTENANCE FOR ANY PROPOSED REVISIONS IN THE SCHEDULED PAVEMENT PATCHING LOCATIONS.
18. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
19. ALL CLASS B PAVEMENT PATCHING WHICH REQUIRES FRAMES AND GRATES TO BE ADJUSTED SHALL BE CONSTRUCTED UTILIZING "CAST IN PLACE" PCC PAVEMENT ROUNDOUTS ACCORDING TO STATE HIGHWAY STANDARD 420111.

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

| | | | | |
|--------------|----------------|---------------|---------------------|---------------------|
| ROUTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NUMBER |
| FAP 305 | 1518 PCC-PC-2 | COOK | 17 | 4 |

CONTRACT 62457

SUMMARY OF QUANTITIES

| CODE NUMBER | DESCRIPTION | UNIT | URBAN |
|-------------|--|--------|--|
| | | | CONSTRUCTION TYPE CODE J000 TOTAL |
| 42001200 | PAVEMENT FABRIC | SQ YD | 426 |
| 42001300 | PROTECTIVE COAT | SQ YD | 3666 |
| 44001700 | COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT | FOOT | 829 |
| 44200970 | CLASS B PATCHES, TYPE II, 10 INCH | SQ YD | 2963 |
| 44200974 | CLASS B PATCHES, TYPE III, 10 INCH | SQ YD | 236 |
| 44200976 | CLASS B PATCHES, TYPE IV, 10 INCH | SQ YD | 190 |
| 44213200 | SAW CUTS | FOOT | 19516 |
| 60250200 | CATCH BASINS TO BE ADUSTED | EACH | 35 |
| 60300105 | FRAMES AND GRATES TO BE ADJUSTED | EACH | 10 |
| 67000400 | ENGINEER'S FIELD OFFICE, TYPE A | CAL MO | 3 |
| 67100100 | MOBILIZATION | L SUM | 1 |
| 70102625 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701606 | L SUM | 1 |
| 70102630 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701601 | L SUM | 1 |
| 70102635 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701701 | L SUM | 1 |
| * 78100100 | RAISED REFLECTIVE PAVEMENT MARKER | EACH | 100 |
| X0322467 | TEMPORARY INFORMATION SIGNING FOR LANE CLOSURE | SQ FT | 48 |
| Z0017202 | DOWEL BARS, 1 1/2" | EACH | 14480 |
| Z0075300 | TIE BARS | EACH | 430 |

* SPECIALITY ITEM

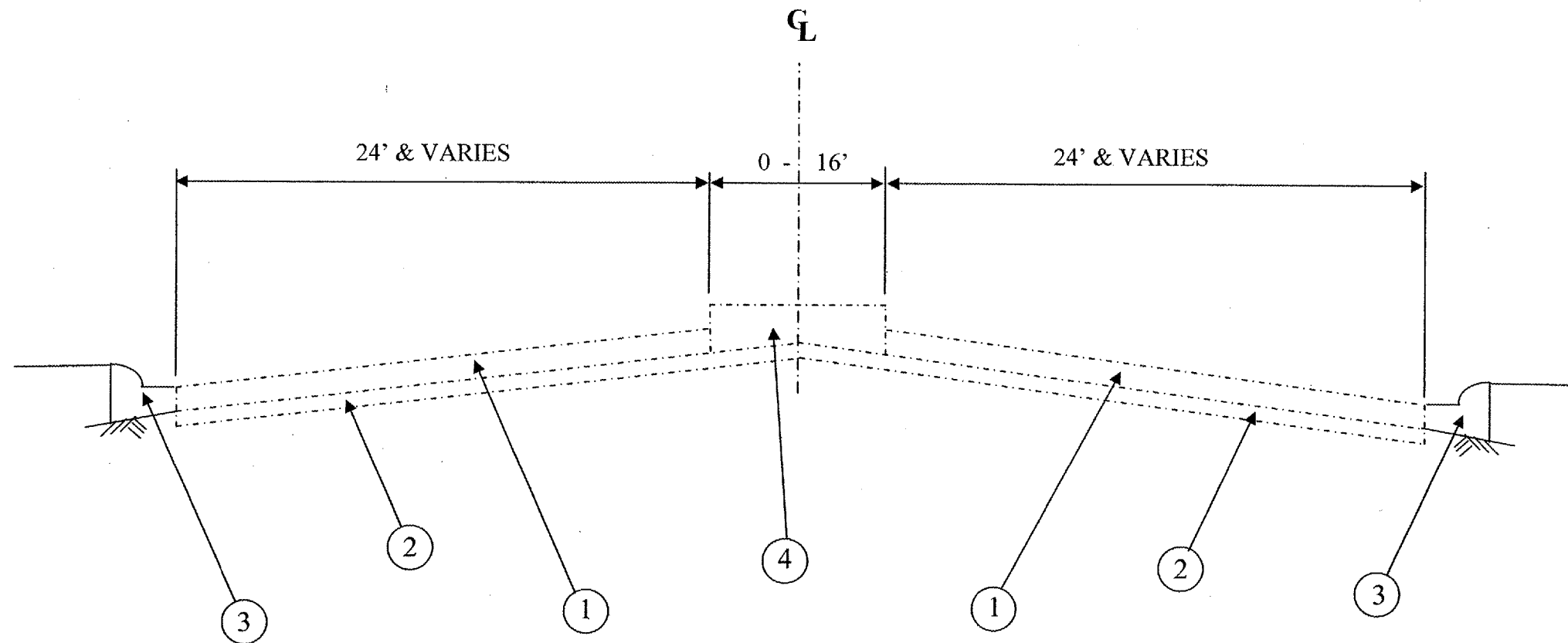
ILLINOIS DEPARTMENT OF TRANSPORTATION

WILLOW RD.
SUMMARY OF QUANTITIES

| ROUTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NUMBER |
|---------|---------------|--------|--------------|--------------|
| FAP 305 | 1518 PCC-PC-2 | COOK | 17 | 5 |

CONTRACT 62457

WILLOW RD.
EXISTING AND PROPOSED
TYPICAL SECTION



1. P.C.C. PAVEMENT, 10"
2. STABILIZED SUB-BASE, 6"
3. CONCRETE COMBINATION CURB AND GUTTER, TYPE B-6.24
4. RAISED CONCRET MEDIAN (NON-TRAVERSABLE FROM IL 43 TO SHERMER RD. AND AT PHINGSTEN RD.; MOUNTABLE FROM SHERMER RD. TO PHINGSTEN RD.) OR TURN LANE

ILLINOIS DEPARTMENT OF TRANSPORTATION

WILLOW ROAD
TYPICAL SECTIONS

| | | | | |
|--------------|----------------|---------------|---------------------|---------------------|
| ROUTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NUMBER |
| FAP 305 | 1518 PCC-PC-2 | COOK | 17 | 6 |

CONTRACT 62457

**EASTBOUND WILLOW ROAD.
W. OF PFINGSTEN RD. TO E. OF IL 43 (WAUKEGAN RD.)**

| PATCH LOCATION NUMBER | STATION | LANE 1 | | | LANE 2 | | |
|-----------------------|---------|--------------|----------------|------|--------------|----------------|------|
| | | SIZE (W X L) | AREA (SQ. YD.) | TYPE | SIZE (W X L) | AREA (SQ. YD.) | TYPE |
| 1 | 47+10 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 2 | 47+85 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 3 | 48+65 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 4 | 50+25 | 12 x 6 | 8.0 | II | | | |
| 5 | 52+60 | 12 x 6 | 8.0 | II | | | |
| 6 | 53+20 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 7 | 54+05 | | | | 12 x 6 | 8.0 | II |
| 8 | 57+25 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 9 | 58+30 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 10 | 58+78 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 11 | 59+17 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 12 | 59+80 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 13 | 60+87 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 14 | 61+90 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 15 | 63+12 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 16 | 63+48 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 17 | 65+08 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 18 | 65+55 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 19 | 65+65 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 20 | 66+65 | 12 x 6 | 8.0 | II | 12 x 6 | 11.0 | II |
| 21 | 67+67 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 22 | 69+25 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 23 | 69+70 | 12 x 6 | 8.0 | II | | | |
| 24 | 70+10 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |

NOTE: PHINGSTEN RD. CENTERLINE = STA. 56+47

| PATCH LOCATION NUMBER | STATION | LANE 1 | | | LANE 2 | | |
|-----------------------|---------|--------------|----------------|------|--------------|----------------|------|
| | | SIZE (W X L) | AREA (SQ. YD.) | TYPE | SIZE (W X L) | AREA (SQ. YD.) | TYPE |
| 25 | 70+67 | | | | 12 x 8 | 11.0 | II |
| 26 | 71+30 | | | | 12 x 6 | 8.0 | II |
| 27 | 72+08 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 28 | 72+63 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 29 | 73+07 | 12 x 6 | 8.0 | II | 12 x 8 | 11.0 | II |
| 30 | 73+85 | 12 x 6 | 8.0 | II | | | |
| 31 | 74+12 | | | | 12 x 6 | 8.0 | II |
| 32 | 74+44 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 33 | 75+70 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 34 | 77+00 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 35 | 78+02 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 36 | 79+25 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 37 | 79+97 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 38 | 80+60 | | | | 12 x 6 | 8.0 | II |
| 39 | 81+70 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 40 | 82+47 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 41 | 83+05 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 42 | 84+64 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 43 | 85+65 | 12 x 6 | 11.0 | II | 12 x 6 | 11.0 | II |
| 44 | 87+40 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 45 | 88+40 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |

ILLINOIS DEPARTMENT OF TRANSPORTATION

WILLOW RD.
PAVEMENT PATCHING SCHEDULE

| | | | | |
|--------------|----------------|---------------|---------------------|---------------------|
| ROUTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NUMBER |
| FAP 305 | 1518 PCC-PC-2 | COOK | 17 | 7 |

CONTRACT 62457

**EASTBOUND WILLOW ROAD.
W. OF PFINGSTEN RD. TO E. OF IL 43 (WAUKEGAN RD.)**

| PATCH LOCATION NUMBER | STATION | LANE 1 | | | TYPE | LANE 2 | | | TYPE |
|-----------------------|---------|--------------|----------------|------|---------|--------------|----------------|------|------|
| | | SIZE (W X L) | AREA (SQ. YD.) | TYPE | | SIZE (W X L) | AREA (SQ. YD.) | TYPE | |
| 46 | 89+94 | 12 x 6 | 11.0 | II | 12 x 6 | 11.0 | II | | |
| 47 | 90+24 | 12 x 9 | 12.0 | II | 12 x 9 | 12.0 | II | | |
| 48 | 91+80 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | | |
| 49 | 92+80 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | | |
| 50 | 93+28 | 12 x 10 | 14.0 | II | 12 x 8 | 11.0 | II | | |
| 51 | 94+20 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | | |
| 52 | 94+94 | | | | 12 x 6 | 8.0 | II | | |
| 53 | 95+24 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | | |
| 54 | 95+90 | 12 x 15 | 20.0 | III | 12 x 10 | 14.0 | II | | |
| 55 | 96+90 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | | |
| 56 | 97+25 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | | |
| 57 | 97+47 | 12 x 8 | 11.0 | II | 12 x 8 | 11.0 | II | | |
| 58 | 97+97 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | | |
| 59 | 99+45 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | | |
| 60 | 100+05 | | | | 12 x 6 | 8.0 | II | | |
| 61 | 100+62 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | | |
| 62 | 101+25 | 12 x 10 | 14.0 | II | 12 x 10 | 14.0 | II | | |
| 63 | 103+23 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | | |
| 64 | 104+25 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | | |
| 65 | 104+80 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | | |
| 66 | 105+85 | 12 x 6 | 8.0 | II | | | | | |
| 67 | 106+00 | | | | 12 x 6 | 8.0 | II | | |
| 68 | 106+26 | 12 x 8 | 11.0 | II | 12 x 8 | 11.0 | II | | |
| 69 | 106+52 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | | |
| 70 | 107+05 | 12 x 10 | 14.0 | II | 12 x 10 | 14.0 | II | | |

NOTE: SHERMER RD. CENTERLINE = STA. 109+81
LEHIGH RD. CENTERLINE = STA. 137+30

| PATCH LOCATION NUMBER | STATION | LANE 1 | | | TYPE | LANE 2 | | | TYPE |
|-----------------------|---------|--------------|----------------|------|---------|--------------|----------------|------|------|
| | | SIZE (W X L) | AREA (SQ. YD.) | TYPE | | SIZE (W X L) | AREA (SQ. YD.) | TYPE | |
| 71 | 108+05 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | | |
| 72 | 112+00 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | | |
| 73 | 112+40 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | | |
| 74 | 114+10 | 12 x 15 | 20.0 | III | 12 x 15 | 20.0 | II | | |
| 75 | 116+00 | 12 x 10 | 14.0 | II | | | | | |
| 76 | 139+90 | | | | 12 x 10 | 14.0 | II | | |
| 77 | 140+45 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | | |
| 78 | 140+94 | | | | 12 x 6 | 8.0 | II | | |
| 79 | 141+60 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | | |
| 80 | 143+48 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | | |
| 81 | 144+45 | 12 x 10 | 14.0 | II | 12 x 8 | 8.0 | II | | |
| 82 | 145+67 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | | |
| 83 | 146+20 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | | |
| 84 | 146+95 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | | |
| 85 | 148+50 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | | |
| 86 | 149+50 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | | |
| 87 | 151+05 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | | |
| 88 | 151+80 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | | |
| 89 | 153+65 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | | |
| 90 | 154+65 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | | |
| 91 | 156+75 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | | |

NOTE: BRIDGE OMISSION - SN: 016-0533 FROM ± STA. 136+05 TO STA. 139+95

ILLINOIS DEPARTMENT OF TRANSPORTATION

WILLOW RD.
PAVEMENT PATCHING SCHEDULE

| | | | | |
|--------------|----------------|---------------|---------------------|---------------------|
| ROUTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NUMBER |
| FAP 305 | 1518 PCC-PC-2 | COOK | 17 | 9 |

**WESTBOUND WILLOW ROAD.
W. OF PFINGSTEN RD. TO E. OF IL 43 (WAUKEGAN RD.)**

CONTRACT 62457

| PATCH LOCATION NUMBER | STATION | LANE 1 | | | TYPE | LANE 2 | | |
|-----------------------|---------|--------------|----------------|------|---------|--------------|----------------|------|
| | | SIZE (W X L) | AREA (SQ. YD.) | TYPE | | SIZE (W X L) | AREA (SQ. YD.) | TYPE |
| 114 | 47+00 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | |
| 115 | 48+10 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | |
| 116 | 50+25 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | |
| 117 | 53+35 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | |
| 118 | 55+00 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | |
| 119 | 57+80 | 12 x 6 | 8.0 | II | | | | |
| 120 | 58+00 | 12 x 6 | 8.0 | II | | | | |
| 121 | 58+50 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | |
| 122 | 60+10 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | |
| 123 | 61+60 | 12 x 10 | 14.0 | II | 12 x 10 | 14.0 | II | |
| 124 | 62+20 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | |
| 125 | 62+75 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | |
| 126 | 64+50 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | |
| 127 | 67+60 | | | | 12 x 6 | 8.0 | II | |
| 128 | 70+15 | 12 x 6 | 8.0 | II | | | | |
| 129 | 70+80 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | |
| 130 | 73+00 | 12 x 12 | 16.0 | III | 12 x 15 | 20.0 | III | |
| 131 | 78+55 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | |
| 132 | 79+60 | | | | 12 x 8 | 11.0 | II | |
| 133 | 80+25 | 12 x 10 | 14.0 | II | 12 x 10 | 14.0 | II | |
| 134 | 82+05 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | |
| 135 | 82+95 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | |
| 136 | 83+93 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | |
| 137 | 84+65 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | |
| 138 | 85+65 | | | | 12 x 6 | 8.0 | II | |
| 139 | 87+40 | 12 x 6 | 8.0 | II | | | | |

NOTE: PHINGSTEN RD. CENTERLINE = STA. 56+47

| PATCH LOCATION NUMBER | STATION | LANE 1 | | | TYPE | LANE 2 | | |
|-----------------------|---------|--------------|----------------|------|---------|--------------|----------------|------|
| | | SIZE (W X L) | AREA (SQ. YD.) | TYPE | | SIZE (W X L) | AREA (SQ. YD.) | TYPE |
| 140 | 94+05 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | |
| 141 | 95+25 | 12 x 12 | 16.0 | III | 12 x 12 | 16.0 | III | |
| 142 | 96+10 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | |
| 143 | 98+53 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | |
| 144 | 99+85 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | |
| 145 | 100+70 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | |
| 146 | 104+05 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | |
| 147 | 105+10 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | |
| 148 | 107+05 | 12 x 8 | 11.0 | II | 12 x 8 | 11.0 | II | |
| 149 | 108+30 | 12 x 10 | 14.0 | II | 12 x 10 | 14.0 | II | |
| 150 | 110+73 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | |
| 151 | 111+85 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | |
| 152 | 113+11 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | |
| 153 | 113+78 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | |
| 154 | 114+30 | 12 x 15 | 20.0 | III | | | | |
| 155 | 114+40 | | | | 12 x 22 | 30.0 | IV | |
| 156 | 140+10 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | |
| 157 | 141+02 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | |
| 158 | 141+80 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | |
| 159 | 143+70 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II | |

**NOTE: BRIDGE OMISSION – SN: 016-0533 FROM + STA. 136+05 TO STA. 139+95
SHERMER RD. CENTERLINE = STA. 109+81
LEHIGH RD. CENTERLINE = STA. 137+30**

ILLINOIS DEPARTMENT OF TRANSPORTATION

WILLOW RD.
PAVEMENT PATCHING SCHEDULE

| | | | | |
|--------------|----------------|---------------|---------------------|---------------------|
| ROUTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NUMBER |
| FAP 305 | 1518 PCC-PC-2 | COOK | 17 | 10 |

CONTRACT 62457

**WESTBOUND WILLOW ROAD.
W. OF PFINGSTEN RD. TO E. OF IL 43 (WAUKEGAN RD.)**

| PATCH LOCATION NUMBER | STATION | LANE 1 | | | LANE 2 | | |
|-----------------------|---------|--------------|----------------|------|--------------|----------------|------|
| | | SIZE (W X L) | AREA (SQ. YD.) | TYPE | SIZE (W X L) | AREA (SQ. YD.) | TYPE |
| 160 | 144+65 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 161 | 145+70 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 162 | 147+10 | | | | 12 x 6 | 8.0 | II |
| 163 | 148+10 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 164 | 149+33 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 165 | 151+21 | 12 x 6 | 8.0 | II | | | |
| 166 | 151+50 | | | | 12 x 6 | 8.0 | II |
| 167 | 152+70 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| | | | | | | | |
| 168 | 156+58 | 12 x 8 | 11.0 | II | 12 x 8 | 11.0 | II |
| 169 | 157+30 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| | | | | | | | |
| 170 | 158+48 | 12 x 10 | 14.0 | II | 12 x 10 | 14.0 | II |
| 171 | 159+35 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 172 | 161+43 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 173 | 162+15 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| | | | | | | | |
| 174 | 163+25 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 175 | 163+57 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| | | | | | | | |
| 176 | 164+65 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 177 | 164+80 | | | | 12 x 10 | 14.0 | II |
| 178 | 165+15 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 179 | 165+30 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| | | | | | | | |
| 180 | 167+27 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 181 | 168+00 | | | | 12 x 10 | 14.0 | II |
| 182 | 168+88 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 183 | 169+40 | 12 x 15 | 20.0 | III | | | |
| 184 | 169+65 | | | | 12 x 6 | 8.0 | II |

NOTE: BRIDGE OMISSION - SN: 016-0534 FROM ± STA. 160+25 TO STA 161+20

| PATCH LOCATION NUMBER | STATION | LANE 1 | | | LANE 2 | | |
|-----------------------|---------|--------------|----------------|------|--------------|----------------|------|
| | | SIZE (W X L) | AREA (SQ. YD.) | TYPE | SIZE (W X L) | AREA (SQ. YD.) | TYPE |
| 185 | 169+88 | | | | 12 x 6 | 8.0 | II |
| 186 | 170+20 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 187 | 171+08 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 188 | 171+60 | | | | 12 x 6 | 8.0 | II |
| 189 | 172+12 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| | | | | | | | |
| 190 | 173+15 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 191 | 173+35 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 192 | 174+15 | 12 x 10 | 14.0 | II | 12 x 10 | 14.0 | II |
| 193 | 175+18 | 24 x 12 | 32.0 | IV | 24 x 12 | 32.0 | IV |
| | | | | | | | |
| 194 | 177+10 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 195 | 177+85 | 24 x 12 | 32.0 | IV | 24 x 12 | 32.0 | IV |
| 196 | 178+15 | 12 x 8 | 11.0 | II | | | |
| 197 | 178+63 | 12 x 6 | 8.0 | II | | | |
| | | | | | | | |
| 198 | 180+75 | 12 x 6 | 8.0 | II | | | |
| 199 | 181+30 | 12 x 6 | 8.0 | II | | | |
| 200 | 182+45 | 12 x 6 | 8.0 | II | | | |
| 201 | 183+15 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 202 | 183+75 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 203 | 184+60 | | | | 12 x 13 | 18.0 | III |
| 204 | 185+07 | 12 x 13 | 18.0 | III | | | |
| 205 | 185+23 | 12 x 12 | 16.0 | III | | | |
| 206 | 185+65 | 24 x 12 | 32.0 | IV | | | |

ILLINOIS DEPARTMENT OF TRANSPORTATION

WILLOW RD.
PAVEMENT PATCHING SCHEDULE

| | | | | |
|--------------|----------------|---------------|---------------------|---------------------|
| ROUTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NUMBER |
| FAP 305 | 1518 PCC-PC-2 | COOK | 17 | 11 |

CONTRACT 62457

**WESTBOUND WILLOW ROAD.
W. OF PFINGSTEN RD. TO E. OF IL 43 (WAUKEGAN RD.)**

| PATCH LOCATION NUMBER | STATION | LANE 1 | | | LANE 2 | | |
|-----------------------|---------|--------------|----------------|------|--------------|----------------|------|
| | | SIZE (W X L) | AREA (SQ. YD.) | TYPE | SIZE (W X L) | AREA (SQ. YD.) | TYPE |
| 207 | 186+28 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 208 | 186+57 | | | | 12 x 6 | 8.0 | II |
| 209 | 186+75 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 210 | 187+28 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 211 | 187+80 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 212 | 189+25 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| | | | | | | | |
| 213 | 190+78 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| 214 | 191+20 | 12 x 10 | 14.0 | II | 12 x 12 | 16.0 | III |
| 215 | 191+70 | 12 x 6 | 8.0 | II | 12 x 6 | 8.0 | II |
| | | | | | | | |
| | | | | | | | |

NOTE: IL 43 (WAUKEGAN RD.) CENTERLINE = STA. 192+29

ILLINOIS DEPARTMENT OF TRANSPORTATION

WILLOW RD.
PAVEMENT PATCHING SCHEDULE

| ROUTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NUMBER |
|---------|---------------|--------|--------------|--------------|
| FAP 305 | 1518 PCC-PC-2 | COOK | 17 | 12 |

CONTRACT 62457

PATCHING SCHEDULE NOTES AND INFORMATION

WILLOW ROAD
W. OF PHINGSTEN RD. TO E. OF IL 43., STA 47+00 TO STA.194+00

NOTES

1. The Engineer Shall Contact LOUIE SALAS, Technician, at the NORTHBROOK Maintenance Yard, (847) 272-1246, regarding patching locations.
2. The Engineer shall obtain approval from the District One Bureau Chief of Maintenance for any proposed revisions in the scheduled pavement patching locations.

PAVEMENT PATCHING SUMMARY

Pavement Patching (sq. yd.): WILLOW ROAD Eastbound

| | LANE 1 | LANE 2 | Subtotal |
|-------------------------------|--------|--------|----------|
| Class B Patches, Type I 10" | 0 | 0 | 0 |
| Class B Patches, Type II 10" | 809 | 858 | 1667 |
| Class B Patches, Type III 10" | 40 | 20 | 60 |
| Class B Patches, Type IV 10" | 0 | 0 | 0 |

Pavement Patching (sq. yd.): WILLOW ROAD Westbound

| | LANE 1 | LANE 2 | Subtotal |
|-------------------------------|--------|--------|----------|
| Class B Patches, Type I 10" | 0 | 0 | 0 |
| Class B Patches, Type II 10" | 645 | 651 | 1296 |
| Class B Patches, Type III 10" | 106 | 70 | 176 |
| Class B Patches, Type IV 10" | 96 | 94 | 190 |

Total Pavement Patching (sq. yd.): WILLOW ROAD

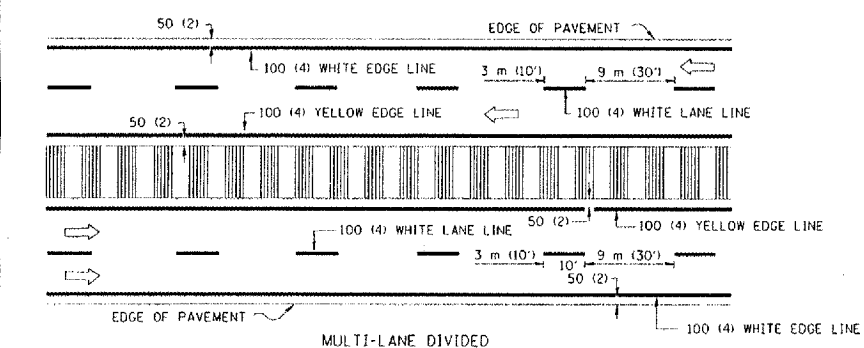
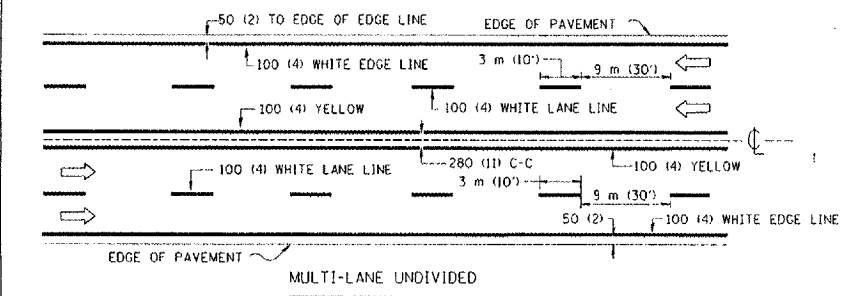
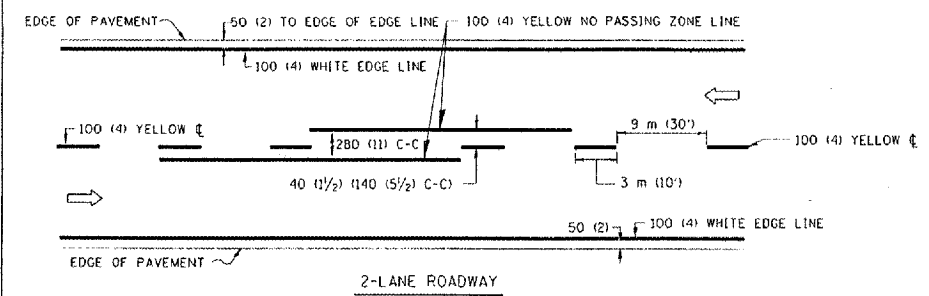
| | Eastbound | Westbound | TOTAL |
|-------------------------------|-----------|-----------|-------|
| Class B Patches, Type I 10" | 0 | 0 | 0 |
| Class B Patches, Type II 10" | 1667 | 1296 | 2963 |
| Class B Patches, Type III 10" | 60 | 176 | 236 |
| Class B Patches, Type IV 10" | 0 | 190 | 190 |
| | | | 3389 |

ILLINOIS DEPARTMENT OF TRANSPORTATION

WILLOW RD.
PAVEMENT PATCHING SCHEDULE

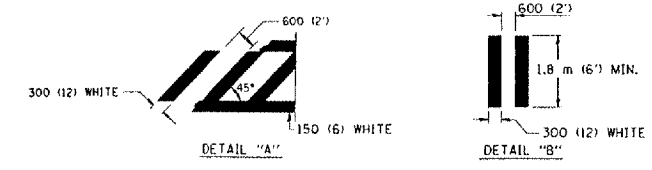
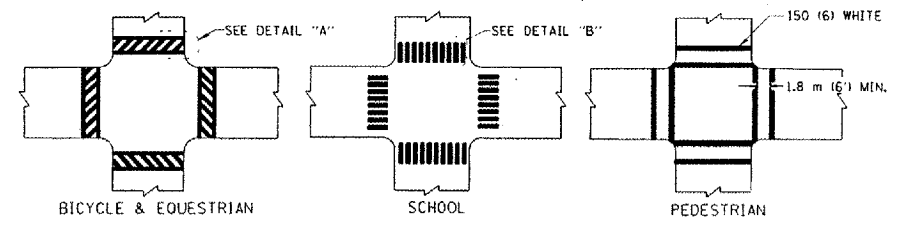
62457

| | | | | |
|-----------------------|---------------|--------|--------------|------------------|
| FAP RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 305 | 1518 PCC-PC-2 | COOK | 17 | 13 |
| FED. ROAD DIST. NO. 1 | | | ILLINOIS | FED. AID PROJECT |

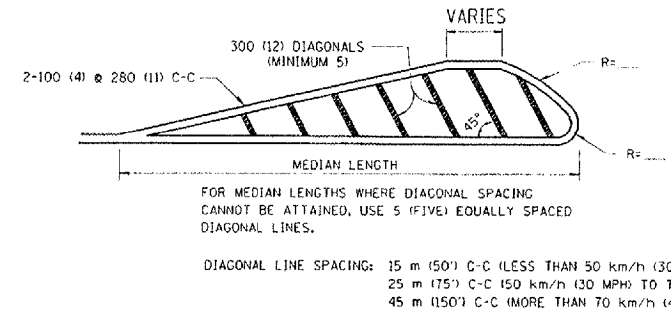
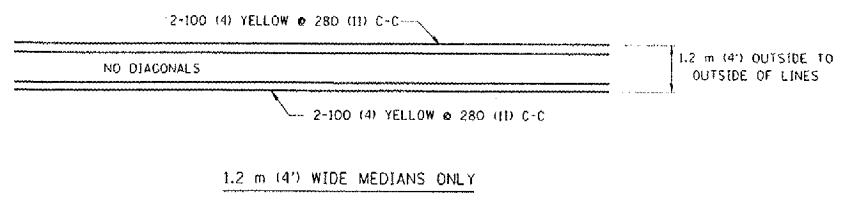


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

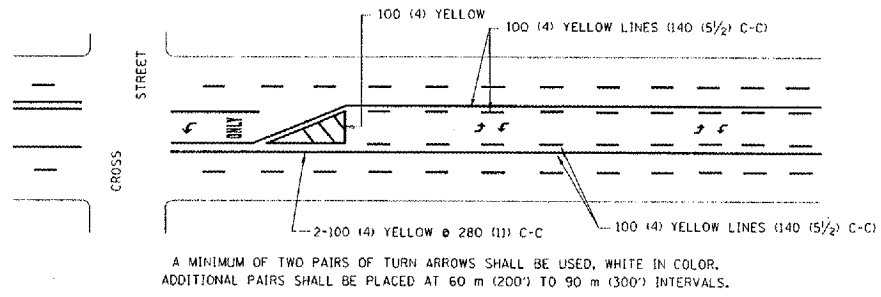


TYPICAL CROSSWALK MARKING

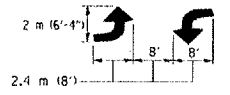


DIAGONAL LINE SPACING: 15 m (50') C-C (LESS THAN 50 km/h (30 MPH))
 25 m (75') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH))
 45 m (150') C-C (MORE THAN 70 km/h (45 MPH))

MEDIANS OVER 1.2 m (4') WIDE

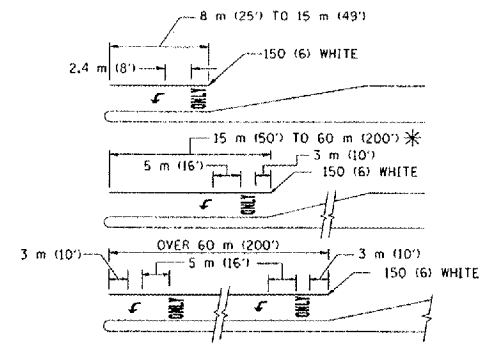


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 60 m (200') TO 90 m (300') INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

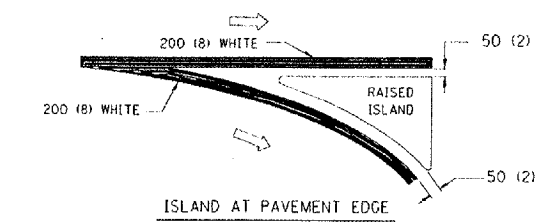
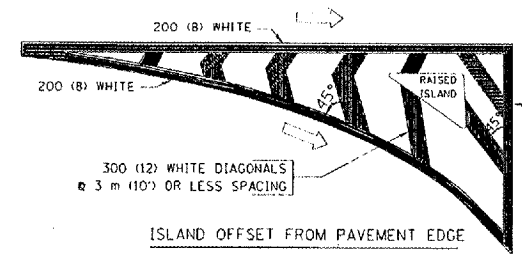


FULL SIZE LETTERS 2.4 m (8') AND ARROWS SHALL BE USED.
 * AREA = 1.5 m² (15.6 SQ. FT.) ONLY AREA = 1.9 m² (20.8 SQ. FT.)

* 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 3 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 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" 15 1.8 m (6) LETTERS; 400 (16) LINE FOR "X" | SOLID | WHITE | SEE STATE STANDARD 780001 AREA OF: "R"=0.33m ² (3.6 SQ. FT.) EACH "X"=5.0 m ² (54.0 SQ. FT.) |
| SHOULDER DIAGONALS | 300 (12) @ 45° | SOLID | WHITE - RIGHT YELLOW - LEFT | 15 m (50') C-C (LESS THAN 50 km/h (30 MPH)) 25 m (75') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH)) 45 m (150') C-C (OVER 70 km/h (45 MPH)) |

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

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

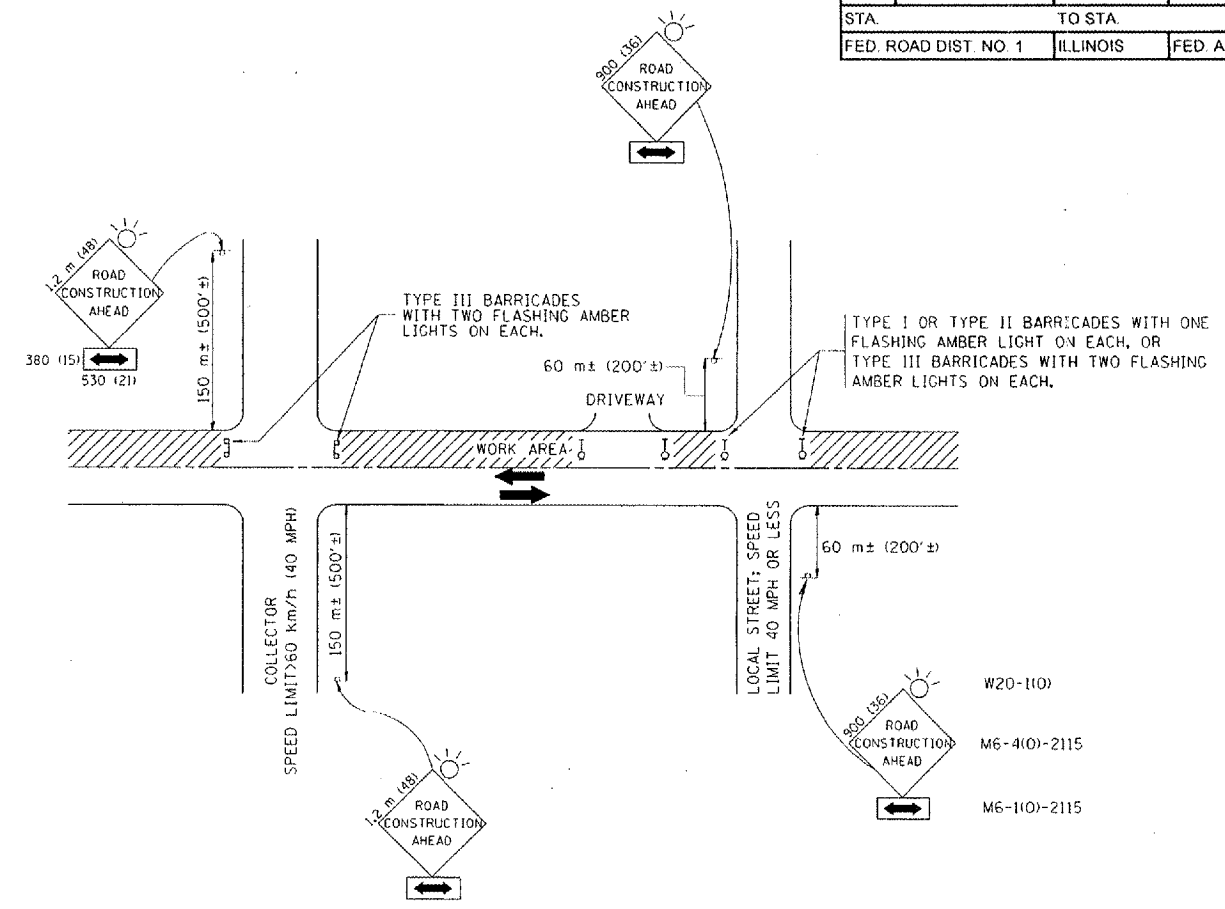
| REVISIONS | |
|--------------|----------|
| NAME | DATE |
| EVERS | 03-19-90 |
| T. RAMMACHER | 10-27-94 |
| ALEX HOUSEH | 10-09-96 |
| ALEX HOUSEH | 10-17-96 |
| T. RAMMACHER | 01-06-00 |

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DISTRICT ONE
 TYPICAL PAVEMENT MARKINGS

SCALE: NONE
 DATE 10/18/2002
 DRAWN BY CADD
 CHECKED BY TC-13

62457

| | | | | |
|-----------------------|---------------|----------|------------------|-----------|
| FAP RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 305 | 1518 PCC-PC-2 | COOK | 17 | 14 |
| 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
- 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.

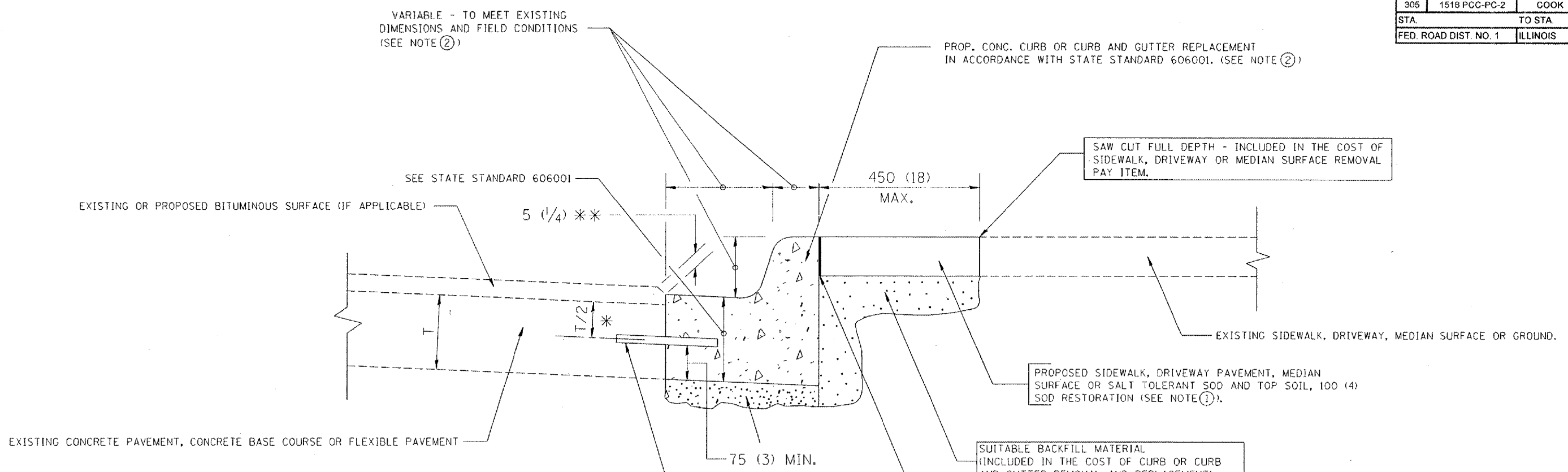
| REVISIONS | |
|--------------|----------|
| NAME | DATE |
| LHA | 6/89 |
| T. RAMMACHER | 09/08/94 |
| J. OBERLE | 10/18/95 |
| A. HOUSEH | 03/06/96 |
| A. HOUSEH | 10/15/96 |
| T. RAMMACHER | 01/06/00 |

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

SCALE: VERT. _____
 HORIZ. _____
 DATE 10/18/2002
 DRAWN BY _____
 CHECKED BY _____
 TC-10

62457

| FAP RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------|---------------|----------|------------------|-----------|
| 305 | 1518 PCC-PC-2 | COOK | 17 | 15 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. 1 | | ILLINOIS | FED. AID PROJECT | |



- * 75 (3) 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, 100 (4) 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 BITUMINOUS SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ⑥ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.
- ⑦ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

- UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.
- REMOVAL AND REPLACEMENT 100 (4) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
- REMOVAL AND REPLACEMENT IN EXCESS OF 100 (4) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

PROPOSED NO. 20 (NO. 6) EPOXY COATED TIE BARS 600 (24) LONG AT 600 (24) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

BASIS OF PAYMENT:
 THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER METER (FOOT) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

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

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

| REVISIONS | |
|------------|----------|
| NAME | DATE |
| M. DE YONG | 05/28/91 |
| 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 |

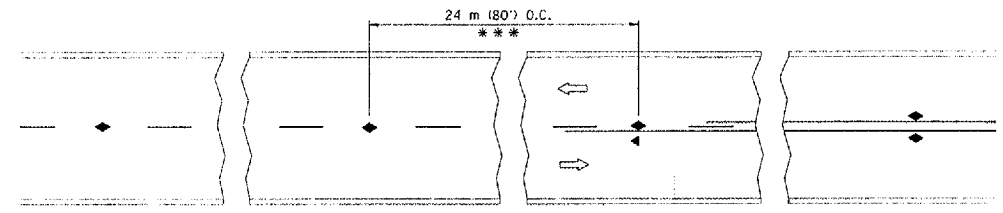
ILLINOIS DEPARTMENT OF TRANSPORTATION

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

SCALE: NONE
 DATE: 10/18/2002
 DRAWN BY: [blank]
 CHECKED BY: [blank]

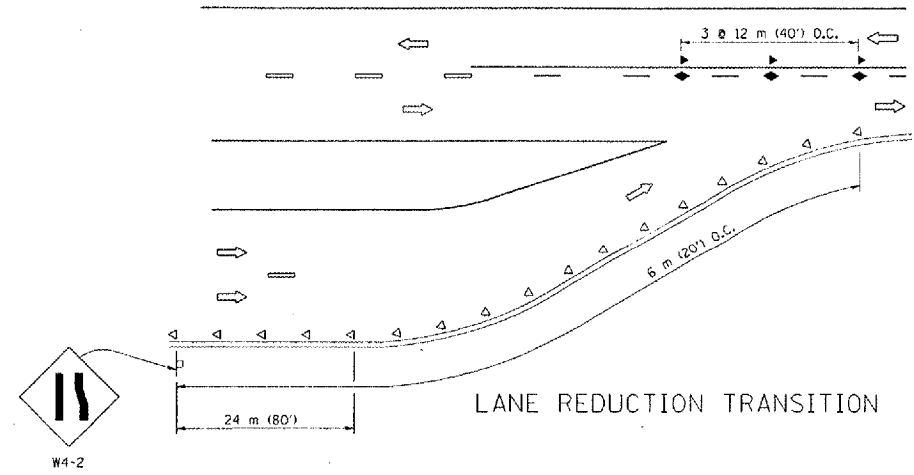
62457

| | | | | |
|-----------------------|---------------|----------|------------------|-----------|
| FAP | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 305 | 1518 PCC-PC-2 | COOK | 17 | 16 |
| STA | | TO STA. | | |
| FED. ROAD DIST. NO. 1 | | ILLINOIS | FED. AID PROJECT | |

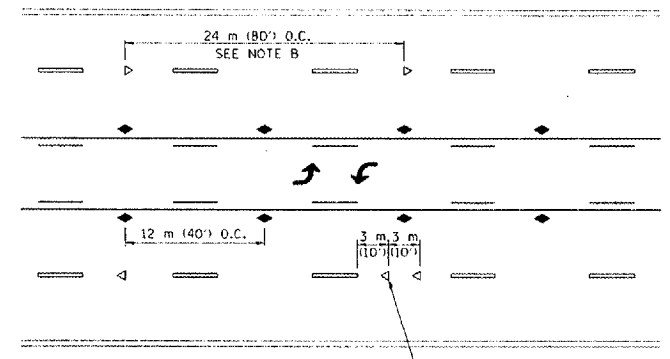


*** REDUCE TO 12 m (40') O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 70 km/h (45 M.P.H.) OR LESS.

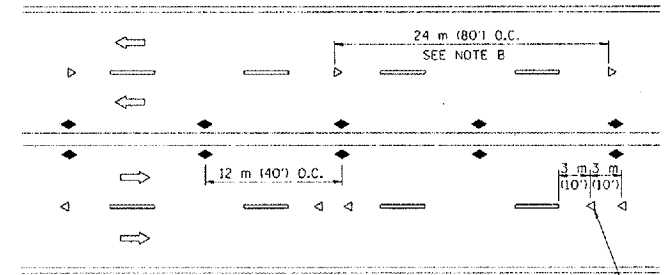
TWO-LANE/TWO-WAY



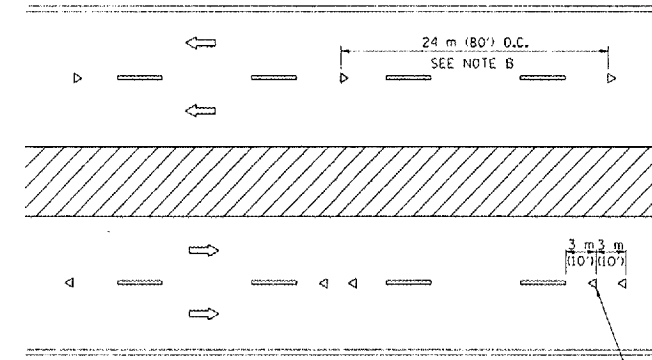
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

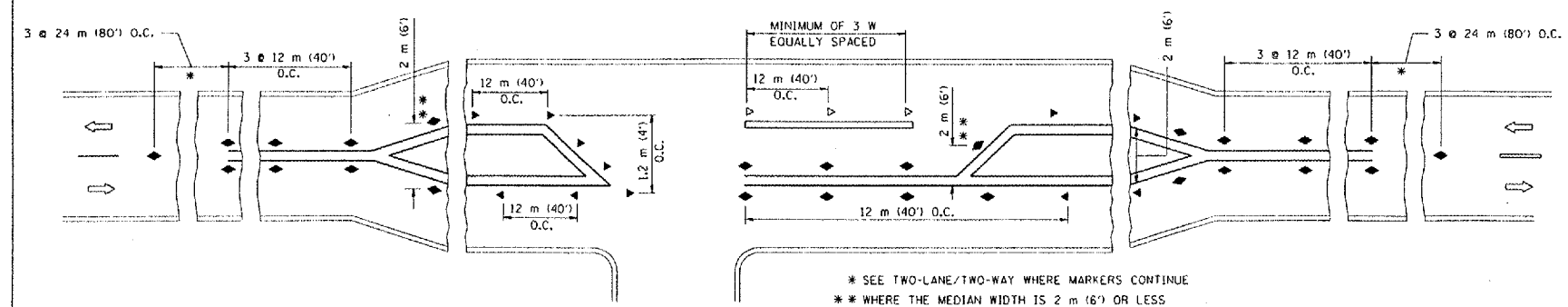
1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 50 TO 75 (2 TO 3) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 150 m (500') IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- B. REDUCE TO 12 m (40') O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 20 km/h (10 M.P.H.) LOWER THAN POSTED SPEEDS.
- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.



LEFT TURN

* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 2 m (6') OR LESS USE TWO-WAY MARKERS.

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

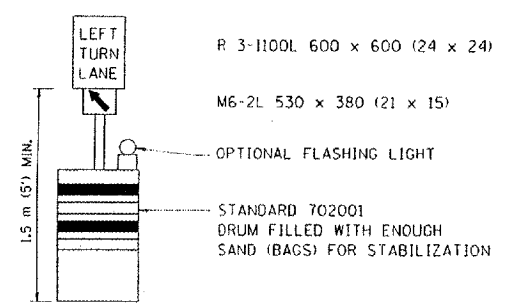
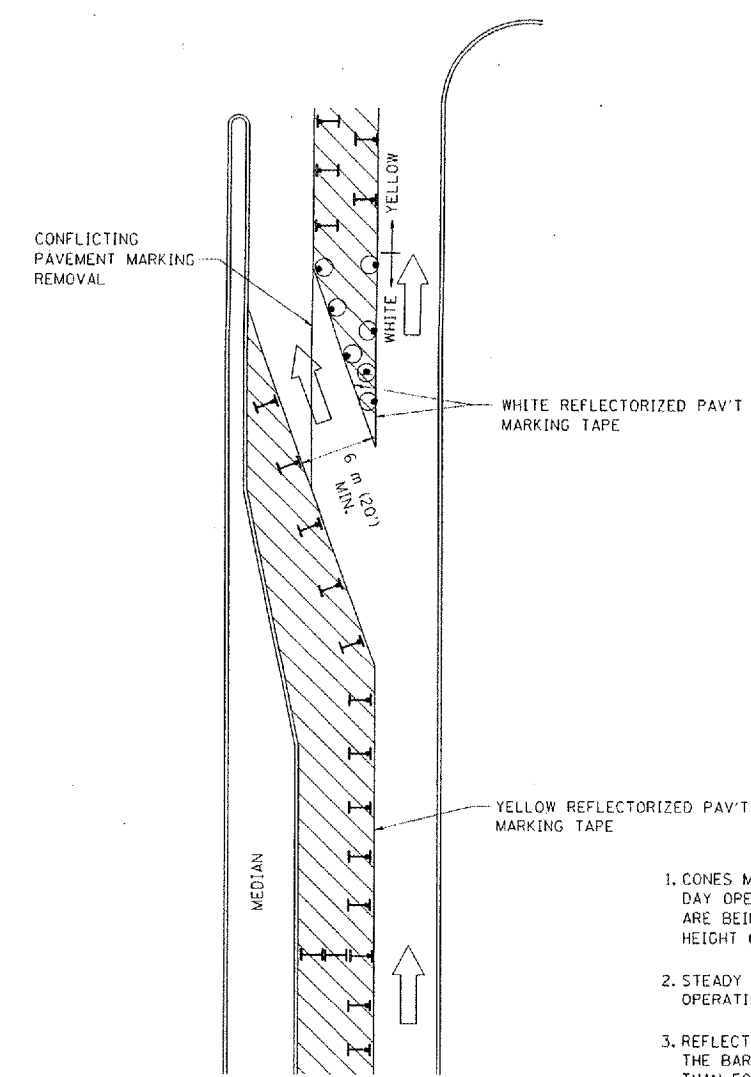
ILLINOIS DEPARTMENT OF TRANSPORTATION
 TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS
 (SNOW-PLOW RESISTANT)

| REVISIONS | |
|--------------|----------|
| NAME | DATE |
| T. RAMMACHER | 09-19-94 |
| T. RAMMACHER | 03-12-99 |
| T. RAMMACHER | 01-06-00 |

SCALE: NONE
 DATE: 10/19/2002
 DRAWN BY CADD
 CHECKED BY
 TC-11

62457

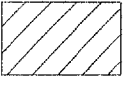





| | | | | |
|-----------------------|---------------|------------------|--------------|-----------|
| FAP RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 305 | 1518 PCC-PC-2 | COOK | 17 | 17 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | | |



GENERAL NOTES

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 710 (28) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 1.5 m (5').
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" R3-100 600 x 600 (24 x 24) AND M6-2R 530 x 380 (21 x 15) 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.

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

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL AND PROTECTION
(TO REMAIN OPEN TO TRAFFIC)

| REVISIONS | |
|--------------|----------|
| NAME | DATE |
| T. RAMMACHER | 09/08/94 |
| A. HOUSEH | 11/07/95 |
| A. HOUSEH | 10/12/96 |
| T. RAMMACHER | 01/06/00 |

SCALE: NONE
DATE: 10/18/2002
DRAWN BY
CHECKED BY: LHA
TC-14