

INDEX OF SHEETS

STATE STANDARDS

GENERAL NOTES

| <u>SHEET NO.</u> | <u>DESCRIPTION</u>   | <u>STANDARD NO.</u> | <u>DESCRIPTION</u>                                      |
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| 1                | TITLE SHEET  | 000001-05           | TYPICAL SYMBOLS, ABBREVIATIONS AND PATTERNS             |
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| 3                | SUMMARY OF QUANTITIES  | 606001-04           | CONCRETE CURB AND COMBINATION CONCRETE CURB AND GUTTER  |
| 4                | EXISTING AND PROPOSED TYPICAL SECTIONS   | 701606-06           | URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN |
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| 22               | DISTRICT ONE DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING        |                     |   |

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOUR NOTIFICATION REQUIRED)

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

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGE OF LA GRANGE.

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS UNLESS OTHERWISE SPECIFIED.

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1/2 INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS, AND 1 INCH WHERE THE SPEED LIMIT IS OVER 45 MPH. WITH WRITTEN APPROVAL FROM THE RESIDENT ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM OF 1:3 (V:H).

WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISABILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.

ALL PAVEMENT PATCHING, SIDEWALK REMOVAL, AND CURB AND GUTTER REMOVAL LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.

DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" SHOWN IN THE PLANS.

THE RESIDENT ENGINEER SHALL CONTACT MS. PATRICE HARRIS, AREA TRAFFIC FIELD ENGINEER, AT (708) 597-9800 A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF FINAL PAVEMENT MARKINGS.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO THE INSTALLATION OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.

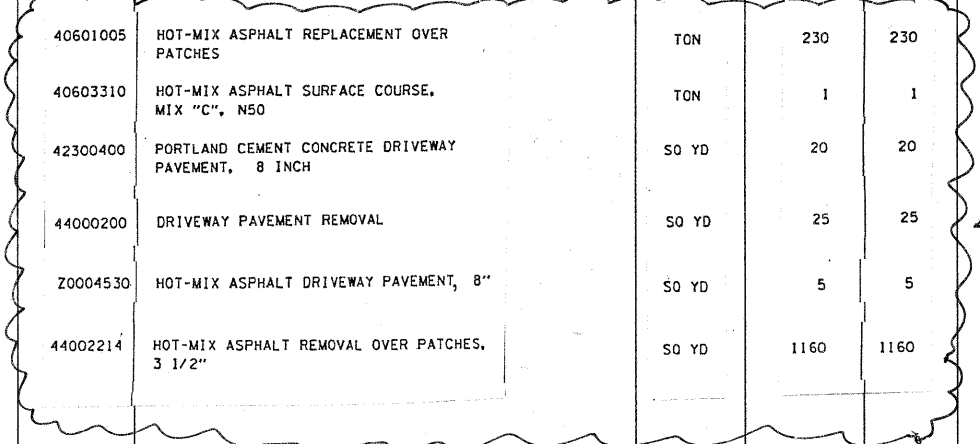
CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH ALL SCHOOLS WITHIN AND NEAR PROJECT LIMITS.

Rev. 2-16-10

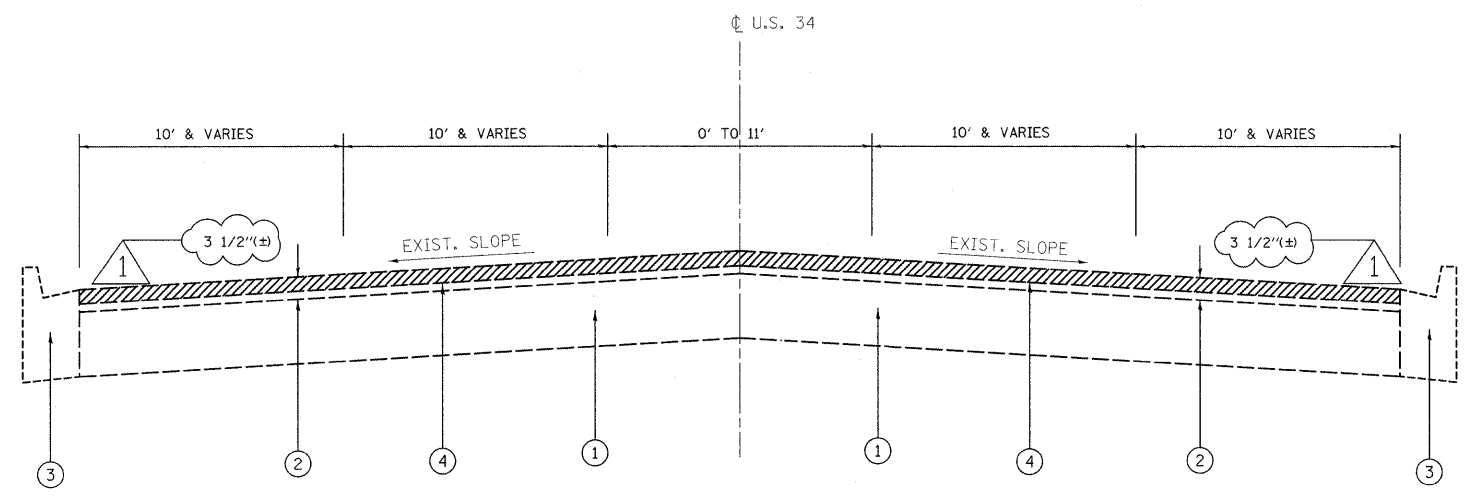
|   |                     |            |           |   |  |                    |           |        |              |           |
|---|---------------------|------------|-----------|---|--|--------------------|-----------|--------|--------------|-----------|
| FILE NAME =                             | USER NAME = kellers | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>US 34 (BASSFORD AVE. TO B.N.S.F. R.R.)<br/>INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES</b> | F.A.P. RTE.        | SECTION   | COUNTY | TOTAL SHEETS | SHEET NO. |
| c:\pwork\pwork\DOT\KELLERS\0167245\0115 | 10-shit-plen.dgn    | DRAWN -    | REVISED - |   |  | 311                | 8 Y-RS-5  | COOK   | 22           | 2         |
| PLOT SCALE = 50.0000' / IN.             | CHECKED -           | REVISED -  |           |   |  | CONTRACT NO. 60J03 |           |        |              |           |
| PLOT DATE = 12/17/2009                  | DATE -              | REVISED -  |           |   |  | SCALE:             | SHEET NO. | OF     | SHEETS       | STA.      |

ILLINOIS FED. AID PROJECT

| SUMMARY OF QUANTITIES |  |        |                  | CONSTRUCTION TYPE CODE |  |  |  |  | SUMMARY OF QUANTITIES |  |                       |                  | CONSTRUCTION TYPE CODE |  |  |  |  |
|-----------------------|--|--------|------------------|------------------------|--|--|--|--|-----------------------|--|-----------------------|------------------|------------------------|--|--|--|--|
| CODE NO               | ITEM   | UNIT   | TOTAL QUANTITIES | ROADWAY 1000           |  |  |  |  | CODE NO               | ITEM   | URBAN 100% STATE UNIT | TOTAL QUANTITIES | ROADWAY 1000           |  |  |  |  |
|                       |  |        |                  |                        |  |  |  |  |                       |  |                       |                  |                        |  |  |  |  |
| 25200110              | SODDING, SALT TOLERANT                                       | SQ YD  | 100              | 100                    |  |  |  |  | 70300280              | TEMPORARY PAVEMENT MARKING - LINE 24"                      | FOOT                  | 400              | 400                    |  |  |  |  |
| 40600200              | BITUMINOUS MATERIALS (PRIME COAT)                            | TON    | 25               | 25                     |  |  |  |  | 70301000              | WORK ZONE PAVEMENT MARKING REMOVAL                         | SQ FT                 | 2000             | 2000                   |  |  |  |  |
| 40600300              | AGGREGATE (PRIME COAT)                                       | TON    | 105              | 105                    |  |  |  |  | *78000100             | THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS       | SQ FT                 | 110              | 110                    |  |  |  |  |
| 40600400              | MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS                   | TON    | 40               | 40                     |  |  |  |  | *78000200             | THERMOPLASTIC PAVEMENT MARKING - LINE 4"                   | FOOT                  | 11300            | 11300                  |  |  |  |  |
| 40600826              | POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50   | TON    | 1085             | 1085                   |  |  |  |  | *78000400             | THERMOPLASTIC PAVEMENT MARKING - LINE 6"                   | FOOT                  | 1900             | 1900                   |  |  |  |  |
| 40600895              | CONSTRUCTING TEST STRIP                                      | EACH   | 2                | 2                      |  |  |  |  | *78000600             | THERMOPLASTIC PAVEMENT MARKING - LINE 12"                  | FOOT                  | 1350             | 1350                   |  |  |  |  |
| 40600982              | HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT                 | SQ YD  | 465              | 465                    |  |  |  |  | *78000650             | THERMOPLASTIC PAVEMENT MARKING - LINE 24"                  | FOOT                  | 400              | 400                    |  |  |  |  |
| 40603595              | POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90     | TON    | 2570             | 2570                   |  |  |  |  | *78100100             | RAISED REFLECTIVE PAVEMENT MARKER                          | EACH                  | 300              | 300                    |  |  |  |  |
| 42001300              | PROTECTIVE COAT  | SQ YD  | 175              | 175                    |  |  |  |  | 78300200              | RAISED REFLECTIVE PAVEMENT MARKER REMOVAL                  | EACH                  | 225              | 225                    |  |  |  |  |
| 42400200              | PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH                     | SQ FT  | 150              | 150                    |  |  |  |  | *88600600             | DETECTOR LOOP REPLACEMENT                                  | FOOT                  | 1189             | 1189                   |  |  |  |  |
| 44000159              | HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"                      | SQ YD  | 26200            | 26200                  |  |  |  |  | X0322256              | TEMPORARY INFORMATION SIGNING                              | SQ FT                 | 51               | 51                     |  |  |  |  |
| 44000600              | SIDEWALK REMOVAL   | SQ FT  | 150              | 150                    |  |  |  |  | *4067107              | POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 | TON                   | 1085             | 1085                   |  |  |  |  |
| 44001700              | COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT | FOOT   | 700              | 700                    |  |  |  |  | Z0018500              | DRAINAGE STRUCTURES TO BE CLEANED                          | EACH                  | 5                | 5                      |  |  |  |  |
| 44201803              | CLASS D PATCHES, TYPE II, 13 INCH                            | SQ YD  | 525              | 525                    |  |  |  |  | Z0048665              | RAILROAD PROTECTIVE LIABILITY INSURANCE                    | L SUM                 | 1                | 1                      |  |  |  |  |
| 44201807              | CLASS D PATCHES, TYPE III, 13 INCH                           | SQ YD  | 210              | 210                    |  |  |  |  | 40601005              | HOT-MIX ASPHALT REPLACEMENT OVER PATCHES                   | TON                   | 230              | 230                    |  |  |  |  |
| 44201809              | CLASS D PATCHES, TYPE IV, 13 INCH                            | SQ YD  | 315              | 315                    |  |  |  |  | 40603310              | HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50               | TON                   | 1                | 1                      |  |  |  |  |
| 55039700              | STORM SEWERS TO BE CLEANED                                   | FOOT   | 500              | 500                    |  |  |  |  | 42300400              | PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH         | SO YD                 | 20               | 20                     |  |  |  |  |
| 60252800              | CATCH BASINS TO BE RECONSTRUCTED                             | EACH   | 7                | 7                      |  |  |  |  | 44000200              | DRIVEWAY PAVEMENT REMOVAL                                  | SO YD                 | 25               | 25                     |  |  |  |  |
| 60300105              | FRAMES AND GRATES TO BE ADJUSTED                             | EACH   | 5                | 5                      |  |  |  |  | Z0004530              | HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"                      | SO YD                 | 5                | 5                      |  |  |  |  |
| 60300305              | FRAMES AND LIDS TO BE ADJUSTED                               | EACH   | 53               | 53                     |  |  |  |  | 44002214              | HOT-MIX ASPHALT REMOVAL OVER PATCHES, 3 1/2"               | SO YD                 | 1160             | 1160                   |  |  |  |  |
| 60300310              | FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)                     | EACH   | 24               | 24                     |  |  |  |  |                       |  |                       |                  |                        |  |  |  |  |
| 67000400              | ENGINEER'S FIELD OFFICE, TYPE A                              | CAL MO | 6                | 6                      |  |  |  |  |                       |  |                       |                  |                        |  |  |  |  |
| 67100100              | MOBILIZATION   | L SUM  | 1                | 1                      |  |  |  |  |                       |  |                       |                  |                        |  |  |  |  |
| 70102625              | TRAFFIC CONTROL AND PROTECTION, STANDARD 701606              | L SUM  | 1                | 1                      |  |  |  |  |                       |  |                       |                  |                        |  |  |  |  |
| 70102635              | TRAFFIC CONTROL AND PROTECTION, STANDARD 701701              | L SUM  | 1                | 1                      |  |  |  |  |                       |  |                       |                  |                        |  |  |  |  |
| 70300100              | SHORT-TERM PAVEMENT MARKING                                  | FOOT   | 6000             | 6000                   |  |  |  |  |                       |  |                       |                  |                        |  |  |  |  |
| 70300210              | TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS             | SQ FT  | 110              | 110                    |  |  |  |  |                       |  |                       |                  |                        |  |  |  |  |
| 70300220              | TEMPORARY PAVEMENT MARKING - LINE 4"                         | FOOT   | 11300            | 11300                  |  |  |  |  |                       |  |                       |                  |                        |  |  |  |  |
| 70300240              | TEMPORARY PAVEMENT MARKING - LINE 6"                         | FOOT   | 1900             | 1900                   |  |  |  |  |                       |  |                       |                  |                        |  |  |  |  |

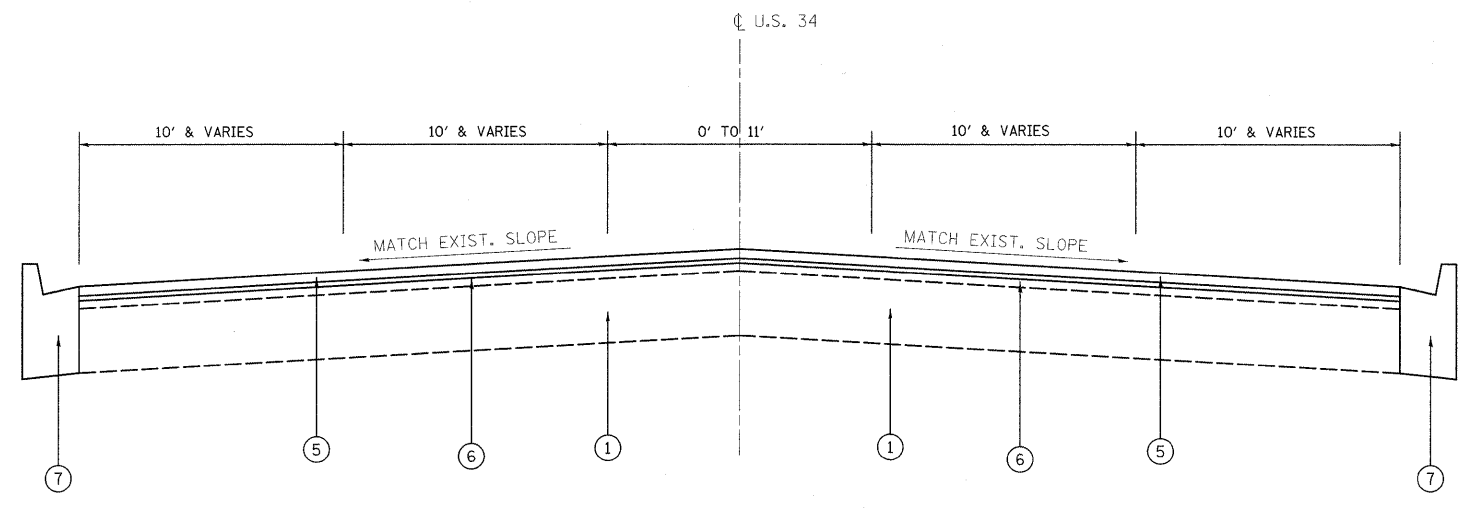


Rev. 2-16-10



EXISTING TYPICAL SECTION  
U.S. 34

STATION:  
19+22 to 73+66



PROPOSED TYPICAL SECTION  
U.S. 34

STATION:  
19+22 to 73+66

**LEGEND**

- ① EXIST. PCC BASE COURSE, 9''(±)
- ② EXIST. HOT-MIX ASPHALT SURFACE COURSE (BEFORE MILLING), 3 1/2''(±)
- ③ EXIST. CONCRETE CURB AND GUTTER
- ④ PROP. HOT-MIX ASPHALT SURFACE REMOVAL - 2 1/2'' (1''(±) OF HOT-MIX ASPHALT TO REMAIN)
- ⑤ PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4''
- ⑥ PROP. POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4''
- ⑦ PROP. CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (LOCATIONS TO BE DETERMINED BY THE RESIDENT ENGINEER)

**NOTES:**

1. SEE ROADWAY AND PAVEMENT MARKING PLAN SHEETS FOR LOCATIONS OF LEFT TURN LANES AND PAINTED MEDIANS.

2. PAVEMENT PATCHING SHALL BE DONE PRIOR TO MILLING OF THE ROADWAY.

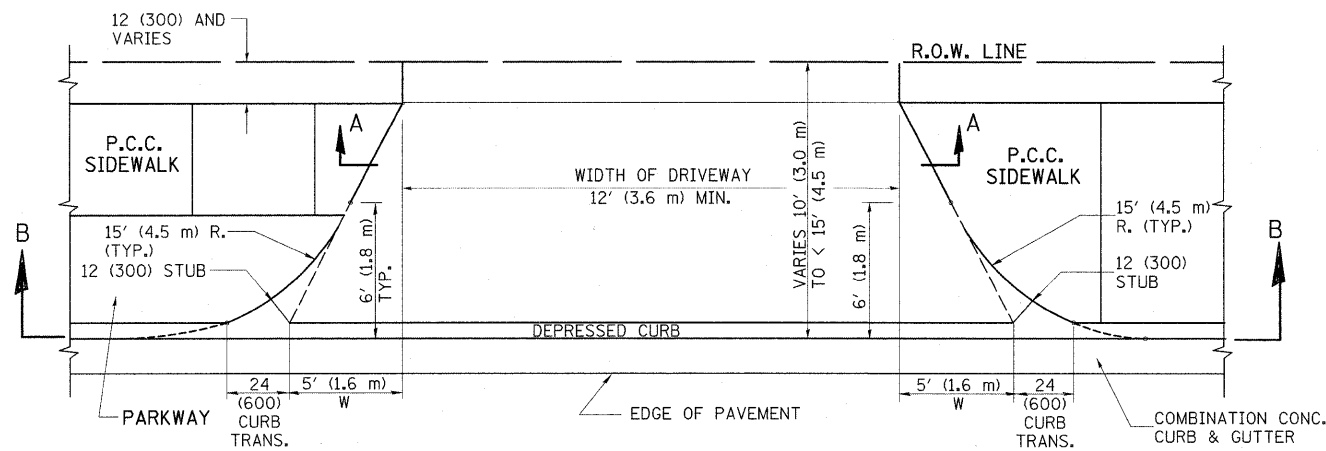
**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

|          | MIXTURE TYPE   | AIR VOIDS (%) |
|----------|--|---------------|
| ROADWAY  | POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, (IL-9.5MM), 1 3/4" | 4% @ 90 GYR   |
|          | POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"                         | 4% @ 50 GYR   |
| PATCHES  | CLASS D PATCHES, (BINDER IL-19.0 MM), 9"                                     | 4% @ 70 GYR   |
|          | HOT-MIX ASPHALT REPLACEMENT OVER PATCHES, (BINDER IL-19.0 MM), 3 1/2"        | 4% @ 70 GYR   |
| DRIVEWAY | HOT-MIX ASPHALT BASE COURSE, (BINDER IL-19.0 MM), 8"                         | 4% @ 50 GYR   |
|          | HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, (IL-9.5MM), 2"                 | 4% @ 50 GYR   |

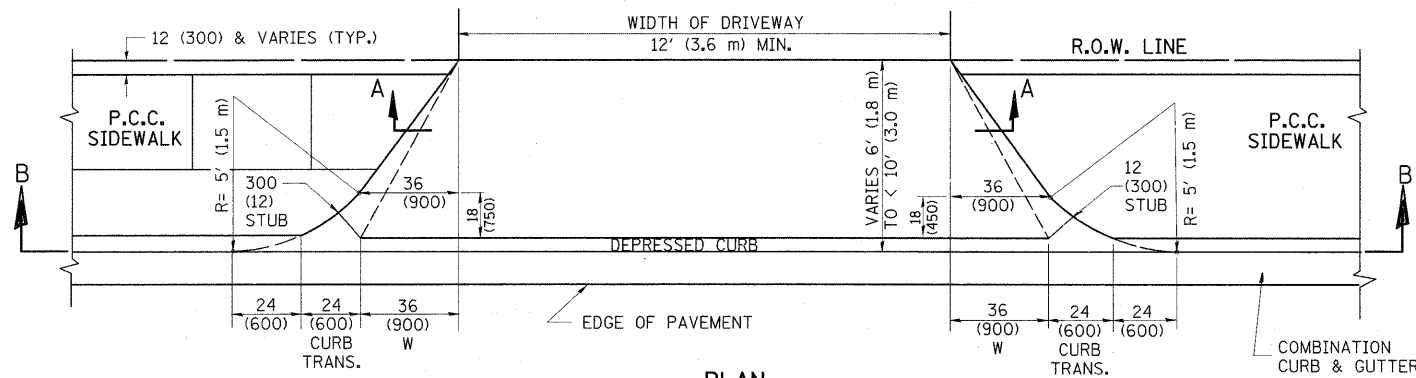
THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN

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.

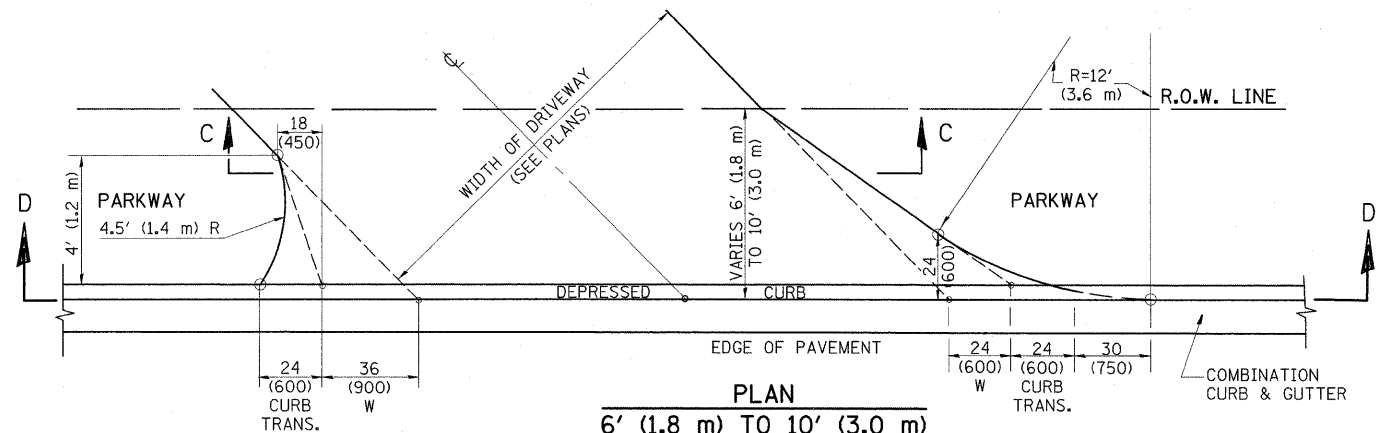
FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.



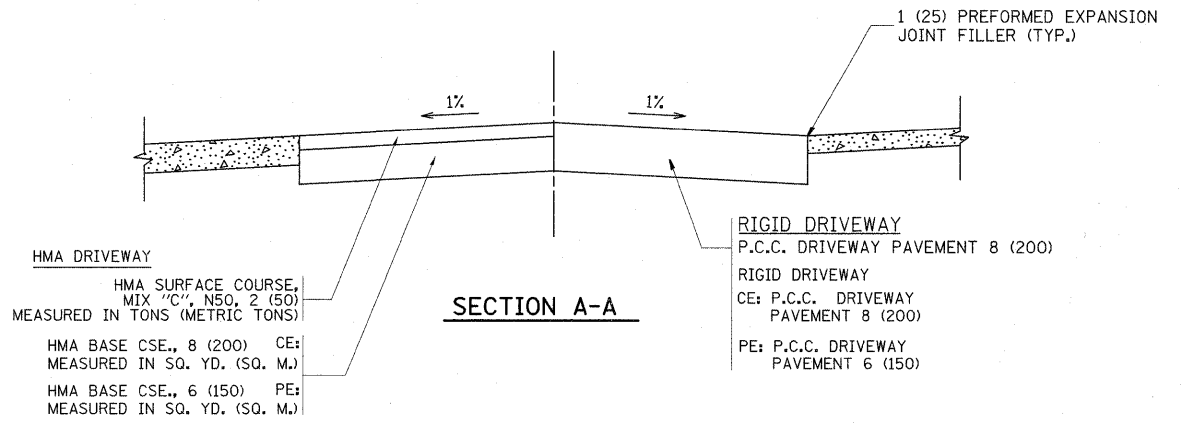
**PLAN**  
10' (3.0 m) TO < 15' (4.5 m)



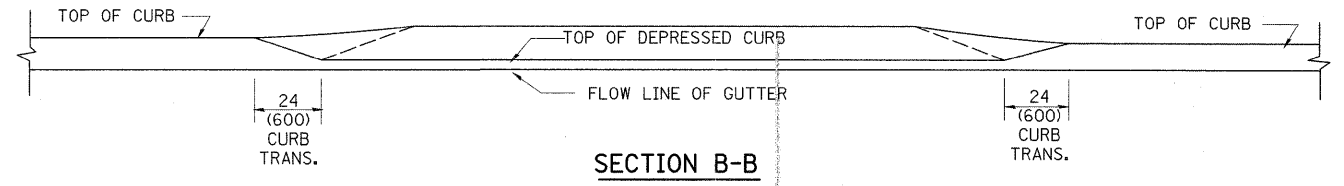
**PLAN**  
6' (1.8 m) TO < 10' (3.0 m)



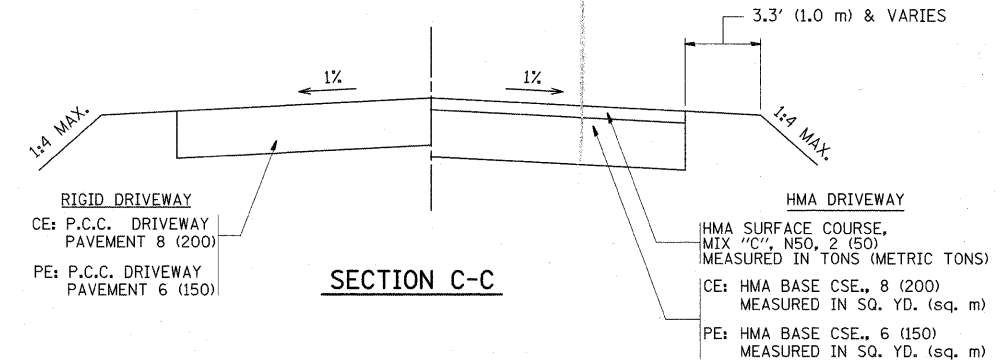
**PLAN**  
6' (1.8 m) TO 10' (3.0 m)



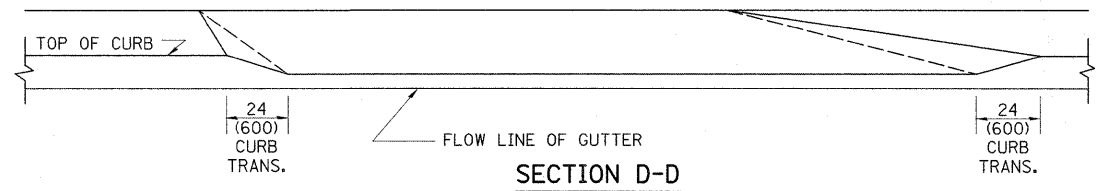
**SECTION A-A**  
HMA DRIVEWAY  
HMA SURFACE COURSE, MIX "C", N50, 2 (50) MEASURED IN TONS (METRIC TONS)  
HMA BASE CSE., 8 (200) CE: MEASURED IN SQ. YD. (SQ. M.)  
HMA BASE CSE., 6 (150) PE: MEASURED IN SQ. YD. (SQ. M.)  
RIGID DRIVEWAY  
P.C.C. DRIVEWAY PAVEMENT 8 (200)  
RIGID DRIVEWAY  
CE: P.C.C. DRIVEWAY PAVEMENT 8 (200)  
PE: P.C.C. DRIVEWAY PAVEMENT 6 (150)



**SECTION B-B**



**SECTION C-C**



**SECTION D-D**

**GENERAL NOTES**

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

THE 1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

|   |                     |                    |                               |
|---|---------------------|--------------------|-------------------------------|
| FILE NAME =                                     | USER NAME = kellers | DESIGNED - R. SHAH | REVISED - T. HOLTZ 04-08-97   |
| est:\pw\work\PM\DOT\KELLERS\0167245\Dist\td.dgn |                     | DRAWN -            | REVISED - M. GOMEZ 04-06-01   |
| PLOT SCALE = 5/8" = 1' / IN.                    |                     | CHECKED -          | REVISED - P. LAFLEUR 04-15-03 |
| PLOT DATE = 2/8/2010                            |                     | DATE - 11-06-95    | REVISED - R. BORO 01-01-07    |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

| DRIVEWAY DETAILS                                    |                         |              |  |
|---|-------------------------|--------------|--|
| DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m) |                         |              |  |
| SCALE: NONE   | SHEET NO. 1 OF 1 SHEETS | STA. TO STA. |  |

|   |                  |             |                 |               |
|---|------------------|-------------|-----------------|---------------|
| F.A.P. RTE. 311                                 | SECTION 8 Y-RS-5 | COUNTY COOK | TOTAL SHEETS 22 | SHEET NO. 10A |
| BD400-02 (BD-02)                                |                  |             | CONTRACT NO.    |               |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT |                  |             |                 |               |

*Added Sheet 2-16-10*