

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

| FAI RYE | SECTION | COUNTY   | TOTAL SHEETS       | SHEET NO. |
|---------|---------|----------|--------------------|-----------|
| 57      |         | IROQUOIS | 7                  | 1         |
|         |         | ILLINOIS | CONTRACT NO. 66H97 |           |

D3 MICROSURF JT REPAIR 2018-1

INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES
- 3-4 SUMMARY OF QUANTITIES
- 5 TYPICAL SECTIONS
- 6 SCHEDULES
- 7 DETAILS

LIST OF ILLINOIS DOT HIGHWAY STANDARDS

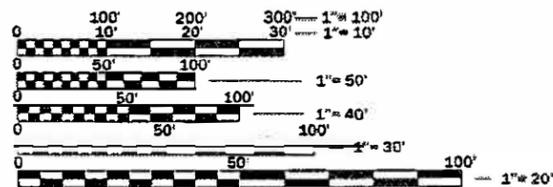
- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 701101-05 OFF-ROAD OPERATIONS MULTILANE, 15' (4.5 m) TO 24' (600 mm) FROM PAVEMENT EDGE
- 701106-02 OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
- 701401-11 LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701426-09 LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≥ 45 MPH
- 701901-07 TRAFFIC CONTROL DEVICES
- 780001-05 TYPICAL PAVEMENT MARKINGS
- 781001-04 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

# PROPOSED HIGHWAY PLANS

FAI 57 (I-57)  
SECTION D3 MICROSURF JT REPAIR 2018-1  
PROJECT NHPP-XCIX (620)  
CL MICROSURFACING JOINT REPAIR  
IROQUOIS COUNTY



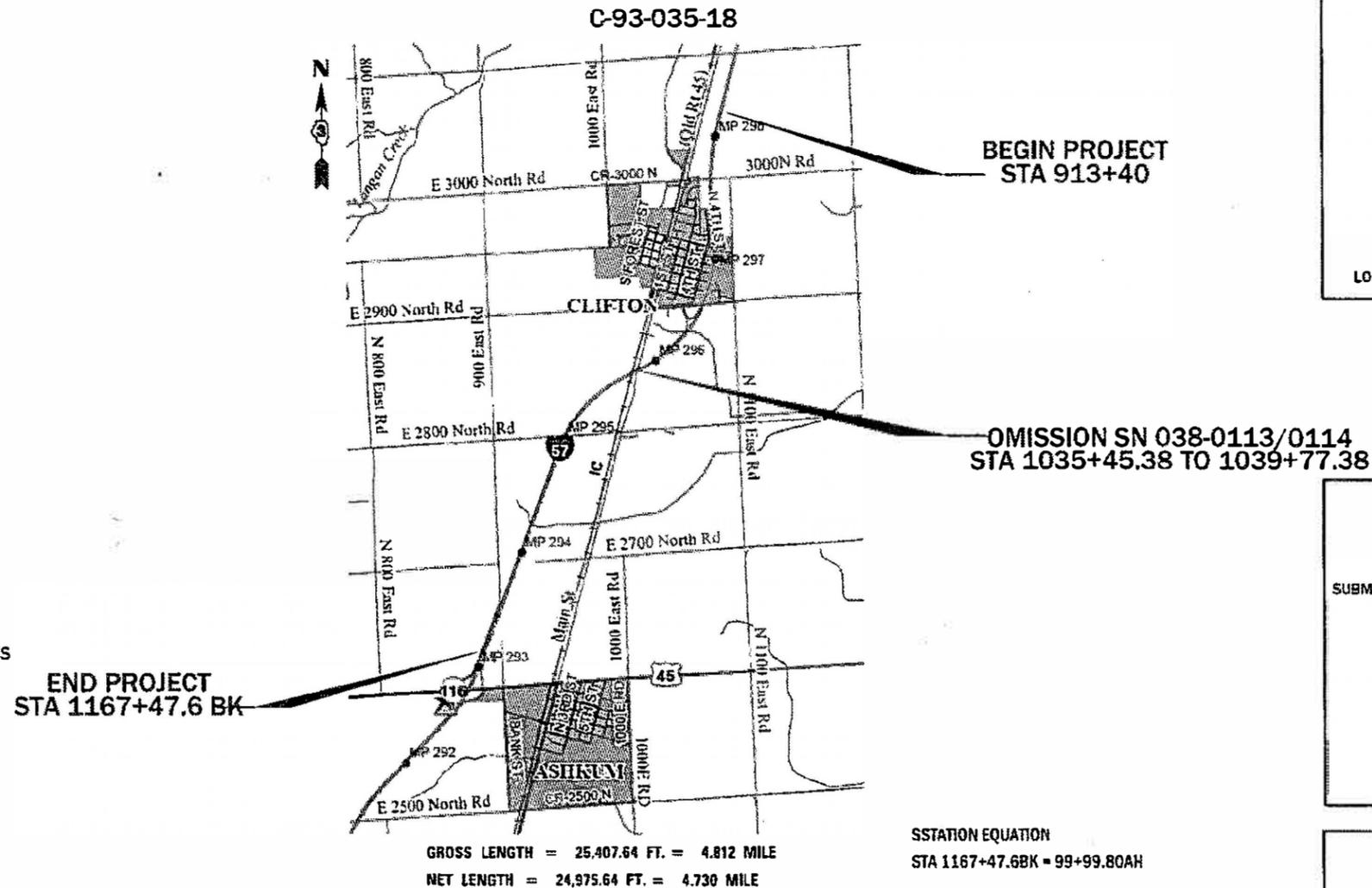
FUNCTIONAL CLASSIFICATION - INTERSTATE  
2015 ADT = 16,700  
P.V. = 63.6%  
S.U. = 4.6%  
M.U. = 31.8%



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.

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811

PROJECT ENGINEER: DAVID ALEXANDER, PE  
UNIT CHIEF: DARCY CARPENTER  
DISTRICT 3 NO. (815) 434-6131  
CONTRACT NO. 66H97



GROSS LENGTH = 25,407.64 FT. = 4.812 MILE  
NET LENGTH = 24,975.64 FT. = 4.730 MILE

STATION EQUATION  
STA 1167+47.6BK = 99+99.80AH

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED Nov 21 2017

*[Signature]* REGIONAL ENGINEER

Feb 2 2018

*[Signature]* ENGINEER OF DESIGN AND ENVIRONMENT

Feb 7 2018

*[Signature]* DIRECTOR OF PROGRAM DEVELOPMENT

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OF THE STATE OF ILLINOIS

**GENERAL NOTES**

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE MICRO-SURFACING AND WHEN THE ROADWAY WILL BE OPENED TO TRAFFIC.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

THE AGGREGATES FOR THE SURFACE LIFT OF MICRO-SURFACING SHALL MEET THE FRICTION AGGREGATE REQUIREMENTS FOR MIXTURE D IN ARTICLE 1004.03(a).

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES.

|                              |       |              |
|------------------------------|-------|--------------|
| MIX FOR CRACKS, JTS & FLOWYS | .0003 | TONS / 50 YD |
| MICRO SURFACING, SINGLE PASS | 20    | LBS / 50 YD  |

ONLY THE PASSING LANE IS TO BE CLOSED FOR THE CENTERLINE WORK.

THE TEMPORARY PAVEMENT MARKING SHALL BE PLACED 3' OFF THE CENTERLINE IN DRIVING LANE PRIOR TO REMOVING EXISTING LINE.

THE CONTRACTOR SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DISTRICT THREE  
AS BUILT INFORMATION

\_\_\_\_\_  
SUPERVISING CONSTRUCTION FIELD ENGINEER

\_\_\_\_\_  
RESIDENT ENGINEER / TECHNICIAN

START & END DATES  
OF CONSTRUCTION: \_\_\_\_\_

INSPECTORS: \_\_\_\_\_

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DISTRICT THREE

PREPARED BY: *Don Benik*  
DISTRICT STUDIES & PLANS ENGINEER

DATE: 11-21-17

EXAMINED BY: *Keith Vandenberg*  
DISTRICT CONSTRUCTION ENGINEER

*Michael D. Skotnik*  
DISTRICT MATERIALS ENGINEER

*Robert J. ...*  
DISTRICT OPERATIONS ENGINEER

|   |           |          |         |
|---|-----------|----------|---------|
| FILE NAME   | USER NAME | DESIGNED | REVISED |
| g:\dot\04\ERID\TEG\Books\g:\P\DOT\Documents\DOT Office\District 3\Projects\0366H97CADD\as-b\0366H97-1.dwg | carperant | DRAWN    | REVISED |
| PLOT SCALE  | CHECKED   | REVISED  | REVISED |
| 1:100,000 .PL   | DATE      | REVISED  | REVISED |
| PLOT DATE   |           |          |         |
| 11/23/2017  |           |          |         |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

SCALE: \_\_\_\_\_ SHEET \_\_\_\_\_ OF \_\_\_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

\* 03 MICROSURF JT REPAIR 2018-1

| F.A.I. RTE                | SECTION | COUNTY    | TOTAL SHEETS       | SHEET NO. |
|---------------------------|---------|-----------|--------------------|-----------|
| 57                        |         | IRROQUOIS | 7                  | 2         |
|                           |         |           | CONTRACT NO. 66H97 |           |
| ILLINOIS FED. AID PROJECT |         |           |                    |           |

CONSTR. CODE  
90/10 FED/ST

| CODE NO.   | ITEM  | UNIT   | TOTAL QUANTITY | ROADWAY |
|------------|---|--------|----------------|---------|
|            |   |        |                | RURAL   |
| 40400114   | MICRO-SURFACING, SINGLE PASS, TYPE II, MIXTURE D          | SQ YD  | 11101          | 11101   |
| 40600290   | BITUMINOUS MATERIALS (TACK COAT)                          | POUND  | 4995           | 4995    |
| 40600400   | MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS                | TON    | 3.3            | 3.3     |
| 67100100   | MOBILIZATION  | L SUM  | 1              | 1       |
| 70300240   | TEMPORARY PAVEMENT MARKING - LINE 6"                      | FOOT   | 12704          | 12704   |
| * 78008230 | POLYUREA PAVEMENT MARKING TYPE 1 - LINE 6"                | FOOT   | 12704          | 12704   |
| * 78100100 | RAISED REFLECTIVE PAVEMENT MARKER                         | EACH   | 1249           | 1249    |
| 78300200   | RAISED REFLECTIVE PAVEMENT MARKER REMOVAL                 | EACH   | 1249           | 1249    |
| 40400001   | FIBER-MODIFIED ASPHALT CRACK SEALING                      | FOOT   | 49952          | 49952   |
| X0326880   | MESSAGE BOARD VEHICLE DRIVER                              | HOUR   | 80             | 80      |
| X0326907   | PORTABLE, VEHICLE MOUNTED, CHANGEABLE MESSAGE SIGN        | CAL MO | 1              | 1       |
| X0327980   | PAVEMENT MARKING REMOVAL - WATER BLASTING                 | SQ FT  | 12704          | 12704   |
| X7010410   | SPEED DISPLAY TRAILER                                     | CAL MO | 1              | 1       |
| X7010805   | TRAFFIC CONTROL AND PROTECTION, STANDARD 701401 (SPECIAL) | L SUM  | 1              | 1       |

\* SPECIALTY ITEM

MODEL: Default  
FILE NAME: P:\WLD\BIB\INTEG Illinois.gov\PROJECTS\DOT Documents\DOT Office\District 3\Projects\366197\CAD\DATA\366197.plt.cover.dgn

|                              |                  |                 |
|------------------------------|------------------|-----------------|
| USER NAME = carpenterdj      | DESIGNED - _____ | REVISED - _____ |
| DRAWN - _____                | REVISOR - _____  |                 |
| PLOT SCALE = 100.0000" / in. | CHECKED - _____  | REVISED - _____ |
| PLOT DATE = 11/21/2017       | DATE - _____     | REVISED - _____ |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

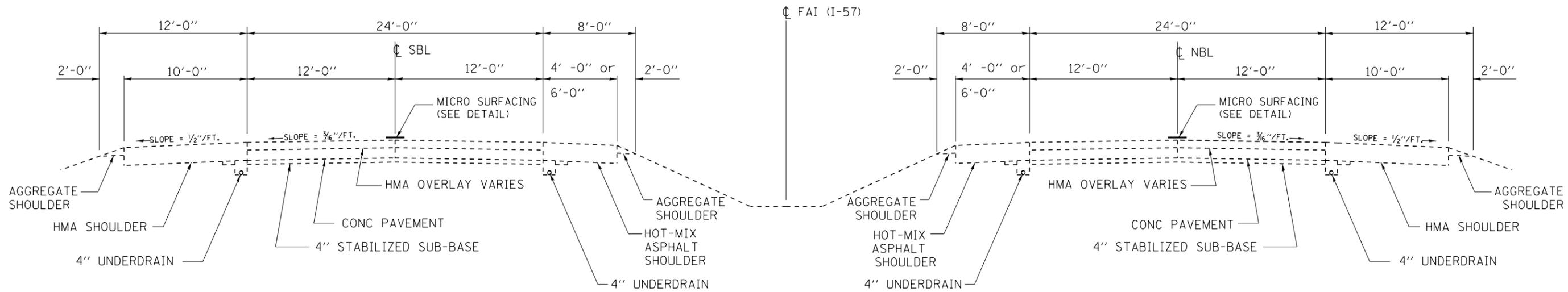
SCALE: \_\_\_\_\_ SHEET \_\_\_\_\_ OF \_\_\_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

|                           |           |                 |                |             |
|---------------------------|-----------|-----------------|----------------|-------------|
| F.A.I. RTE. 57            | SECTION * | COUNTY IROQUOIS | TOTAL SHEETS 7 | SHEET NO. 3 |
| CONTRACT NO. 66H97        |           |                 |                |             |
| ILLINOIS FED. AID PROJECT |           |                 |                |             |

\* D3 MICROSURF JT REPAIR 2018-1

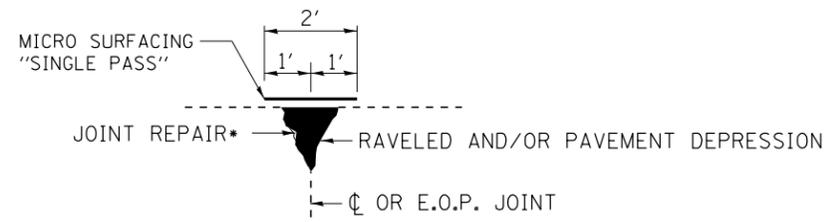
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**TYPICAL SECTION F. A. I. 57**

STA 913+40 TO STA 11647+47.64BK  
 OMISSION:  
 SN 038-0013/0014  
 STA 1035+45.38 TO STA 1039+77.38  
 STATION EQUATIONS:  
 1167+47.64BK = 99+99.80AH



**MICRO-SURFACING DETAIL**

- \* FIBER-MODIFIED ASPHALT CRACK SEALING

**NOTES**

- 1) MICRO-SURFACING SHALL BE LOCATED AT THE CENTERLINE OF PAVEMENT JOINT. ACTUAL LOCATIONS SHALL BE FIELD DETERMINED BY THE ENGINEER PRIOR TO THE CONTRACTOR BEGINNING HIS/HER CONSTRUCTION OPERATIONS.
- 2) THE TEMPORARY STRIPING SHALL BE OFFSET 3' FROM THE CENTERLINE, IN THE DRIVING LANE.
- 3) OFFSET OF THE PERMANENT CENTERLINE PAVEMENT STRIPING SHALL BE FIELD DETERMINED BY THE ENGINEER.

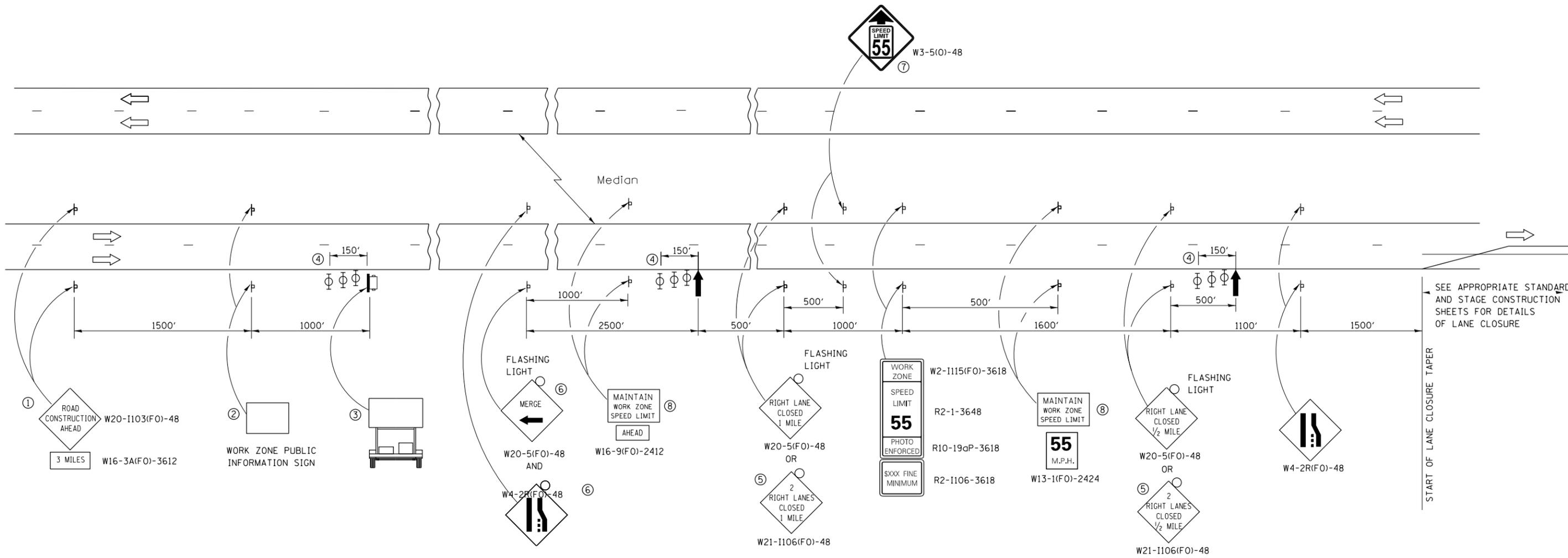
\* D3 MICROSURF JT REPAIR 2018-1

| I-57 MAINLINE SCHEDULE (CENTERLINE ONLY) |              |                           |                           |                              |                      |                                      |                                  |                                  |   |                               |                                 |
|--|--------------|---------------------------|---------------------------|------------------------------|----------------------|--------------------------------------|----------------------------------|----------------------------------|---|-------------------------------|---------------------------------|
| LOCATION STA. TO STA.                    |              | LENGTH                    | TEMP PVMT MARKING LINE 6" | POLYUREA PAVT MARK - LINE 6" | PVMT MARKING REMOVAL | MIX FOR CRACKS, JOINTS, & FLANGEWAYS | FIBER MOD. ASPHALT CRACK SEALING | BITUMINOUS MATERIALS (TACK COAT) | MICRO-SURFACING SINGLE PASS TYPE II MIX D | RAISED REFLECTIVE PVMT MARKER | RAISED REFL PVMT MARKER REMOVAL |
|  |              | FT                        | FT                        | FT                           | SQ FT                | TON                                  | FT                               | POUND                            | SQ YD                                     | EACH                          | EACH                            |
| NB & SB                                  |              |                           |                           |                              |                      |                                      |                                  |                                  |   |                               |                                 |
| 913+40                                   | 1035+45.38   | 24410.76                  | 6103                      | 6103                         | 6103                 | 1.6                                  | 24411                            | 1221                             | 5425                                      | 610                           | 610                             |
| 1035+45.38                               | 1039+77.38   | OMISSION SN 038-0013/0014 | 216                       | 216                          | 216                  |                                      |                                  |                                  |   |                               |                                 |
| 1039+77.38                               | 1167+47.64BK | 25540.52                  | 6385                      | 6385                         | 6385                 | 1.7                                  | 25541                            | 1277                             | 5676                                      | 639                           | 639                             |
| TOTAL                                    |              |                           | 12704                     | 12704                        | 12704                | 3.3                                  | 49952                            | 2498                             | 11101                                     | 1249                          | 1249                            |

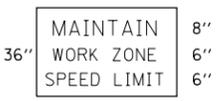
NOTE: RAISED REFLECTIVE PAVEMENT MARKERS WILL BE SPACED AT 2 PER 80 FEET IN ACCORDANCE WITH STANDARD 781001 MULTI LANE DIVIDED FOR DOUBLE LANE LINE MARKERS.

\* D3 MICROSURF JT REPAIR 2018-1

|   |                              |                  |                 |   |                  |                    |                     |            |               |                           |  |
|---|------------------------------|------------------|-----------------|---|------------------|--------------------|---------------------|------------|---------------|---------------------------|--|
| FILE NAME =   | USER NAME = carpenterj       | DESIGNED - _____ | REVISED - _____ | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>SCHEDULES</b> | F.A.I. RTE.        | SECTION             | COUNTY     | TOTAL SHEETS  | SHEET NO.                 |  |
| pw:\IL084EBIDINTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 3\Projects\D366H97\CADDData\D366H97-shk-d | DRAWN - _____                | REVISED - _____  | 57              |   |                  | *                  | IROQUOIS            | 7          | 6             |                           |  |
| Default   | PLOT SCALE = 100.0000' / in. | CHECKED - _____  | REVISED - _____ |   |                  | CONTRACT NO. 66H97 |                     |            |               |                           |  |
|   | PLOT DATE = 11/21/2017       | DATE - _____     | REVISED - _____ |   |                  | SCALE: _____       | SHEET _ OF _ SHEETS | STA. _____ | TO STA. _____ | ILLINOIS FED. AID PROJECT |  |



- ① THE ROAD CONSTRUCTION AHEAD SIGN SHALL BE LOCATED 3 MILES IN ADVANCE OF THE PROJECT LIMITS.
- ② THE MESSAGE AND SIZE OF THE WORK ZONE PUBLIC INFORMATION SIGN SHALL BE AS SPECIFIED BY THE DEPARTMENT.
- ③ TO BE PLACED IN THE MEDIAN WHEN FEASIBLE. THE MESSAGE BOARD SHALL BE USED TO DISPLAY STATUS OF LANES WITHIN THE PROJECT. THE PRIMARY MESSAGES SHALL BE:  
 "RIGHT LANE CLOSED" / " x MILES AHEAD"  
 "LEFT LANE CLOSED" / " x MILES AHEAD"  
 "ALL LANES OPEN"
- ④ THREE, TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES AT 50' CENTERS.
- ⑤ THIS SIGN SHALL BE USED WHEN 2 LANES ARE CLOSED.
- ⑥ WHEN THE LEFT LANE IS CLOSED, SWITCH THESE TWO SIGNS AND THE DIRECTION OF THE MERGE ARROW.
- ⑦ THIS SIGN SHALL ONLY BE USED IF THE EXISTING SPEED LIMIT IS GREATER THAN 65 MPH.
- ⑧ 48"x36" FLUORESCENT ORANGE SIGN WITH BLACK LETTERS.  
48"



- ↑ ARROW BOARD
- ☐ PORTABLE CHANGEABLE MESSAGE SIGN
- ⊥ SIGN
- ⊕ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH MONODIRECTIONAL FLASHING LIGHT

**GENERAL NOTE:**

THIS STANDARD IS USED WHERE AT ANY TIME A LANE IS CLOSED ON A FREEWAY/EXPRESSWAY.

WHEN THE LEFT LANE IS CLOSED, LEFT LANE CLOSED SIGNS SHALL BE SUBSTITUTED FOR THE RIGHT LANE CLOSED SIGNS.

THE FIRST TWO SIGNS AND THE MESSAGE BOARD ARE STATIONARY. THE OTHER SIGNS AND ARROWBOARDS SHALL BE MOVED AS NECESSARY TO MAINTAIN THE REQUIRED DISTANCE FROM THE START OF THE LANE CLOSURE TAPER(S).

SEE SPECIAL PROVISIONS.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.