

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
OFFICE OF HIGHWAYS PROJECT IMPLEMENTATION

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|---------------------------------|----------|--------------------|-----------|
| 57 | D9 PAVEMENT PRESERVATION 2017-1 | VARIOUS | 10 | 1 |
| | | ILLINOIS | CONTRACT NO. 78563 | |

FOR INDEX OF SHEETS, SEE SHEET NO. 3

FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4-5

PROPOSED HIGHWAY PLANS

I-57 ROUTE (FAI-57)
SECTION D9 Pavt Preservation 2017-1

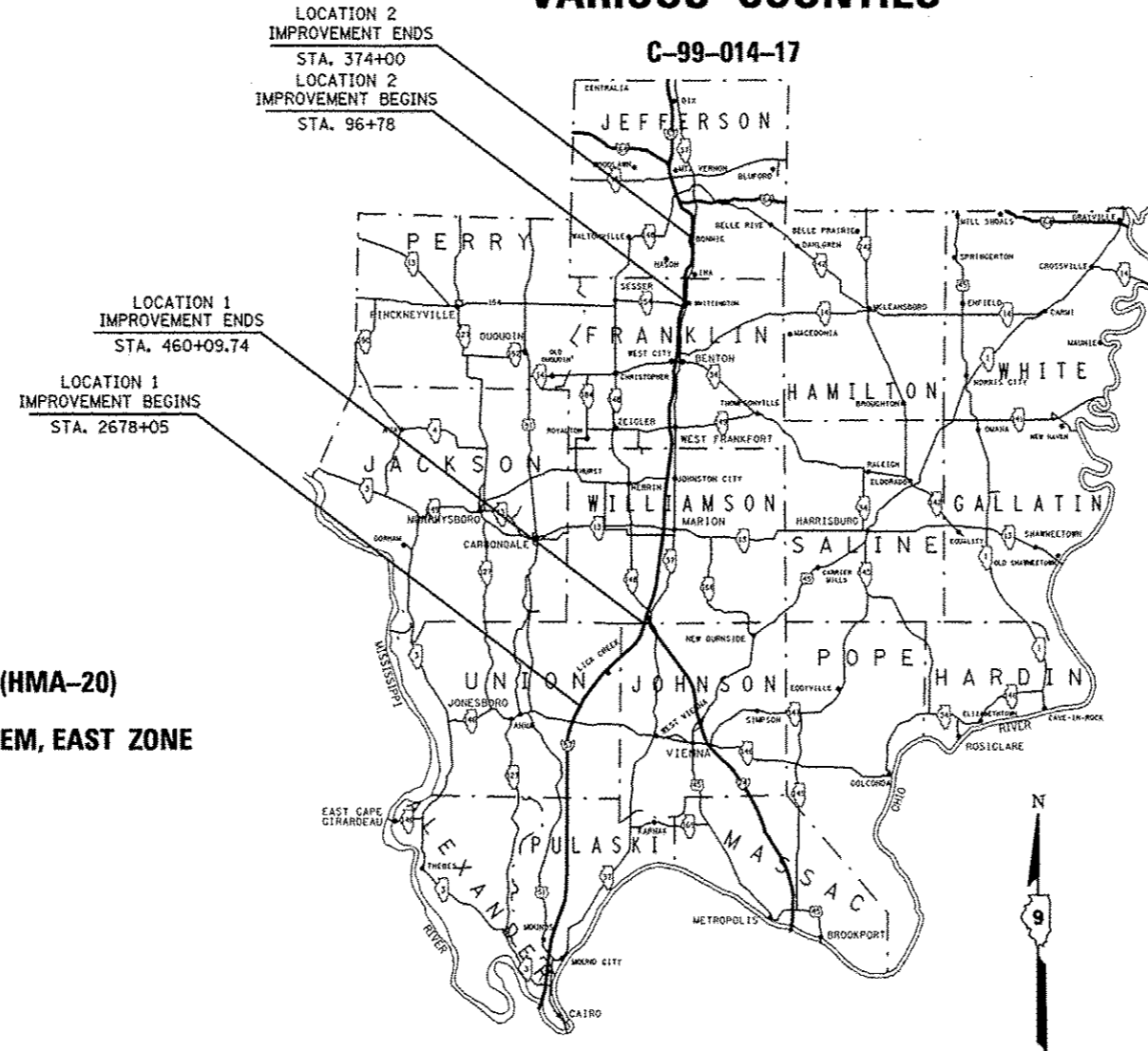
BRIDGE OMISSION:
 STA 234+23 (MP 84.9) TO STA 235+65 (MP 84.9)

STATION EQUATIONS:

UNION /JOHNSON COUNTIES
 STA 2232+74.28 AH = STA 224+40.74 BK
 STA 00+06.39 AH = 462+04.74 BK

FRANKLIN /JEFFERSON COUNTIES
 STA 9+78.11 BK (MP 80.6) TO STA 11+21.99 AH (MP 80.6)

MICRO-SURFACING VARIOUS COUNTIES



TRAFFIC DATA:

UNION /JOHNSON
 2016 ADT
 14,500 WITH 43% TRUCKS

FRANKLIN /JEFFERSON COUNTIES
 2016 ADT
 35,000 WITH 27% TRUCKS

DESIGN DESIGNATION : 35000(16) INTERSTATE 63.17(HMA-20)

COORDINATE SYSTEM : ILLINOIS COORDINATE SYSTEM, EAST ZONE

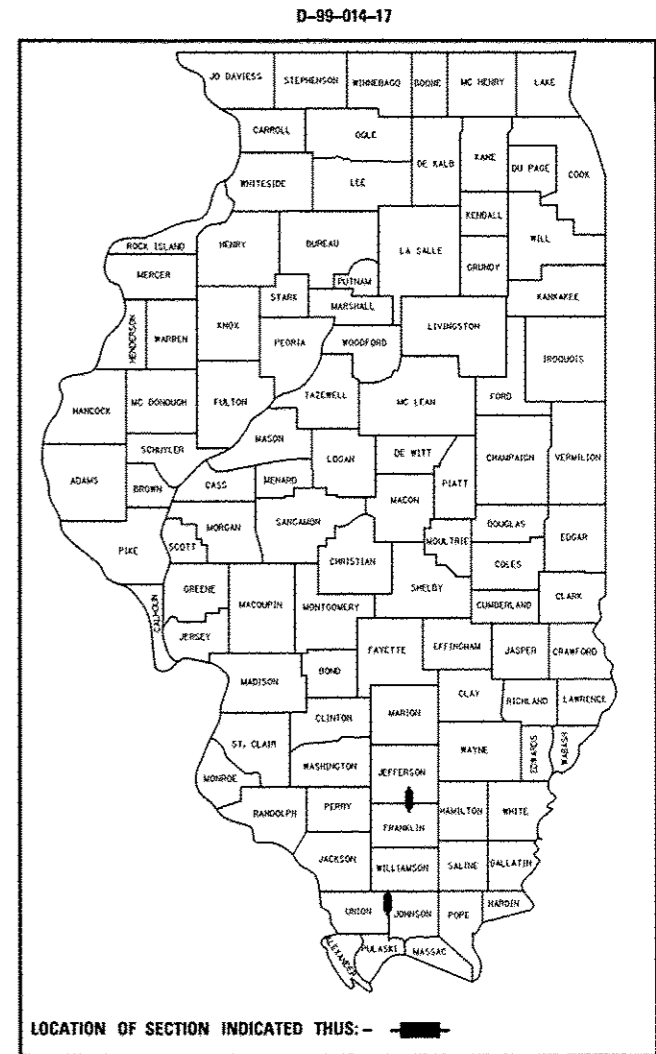
POSTED SPEED : 70 MPH

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

PROJECT ENGINEER: SEAN GREENLEE
PROJECT MANAGER: SUSAN POE

CONTRACT NO. 78563

GROSS LENGTH = 111,965 FT. = 21.21 MILE
 OMISSION LENGTH (BRIDGE) = 142 FT. = 0.03 MILE
 NET LENGTH = 111,823 FT. = 21.18 MILE



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
OFFICE OF HIGHWAYS PROJECT IMPLEMENTATION

SUBMITTED Jan 24 20 17

Jeffrey Z Keen
 REGION FIVE ENGINEER

Maureen M. Addis, P.E.
 ENGINEER OF DESIGN AND ENVIRONMENT

Janell [Signature]
 DIRECTOR OF PROGRAM DEVELOPMENT

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

Prepared By: *[Signature]*
 DISTRICT STUDIES & PLANS ENGINEER

Examined By: *Nancy Lee*
 DISTRICT LAND ACQUISITION ENGINEER

Examined By: *Con Nelson*
 DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: *Kevin Kelly*
 DISTRICT OPERATIONS ENGINEER

Examined By: *[Signature]*
 DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: *Dylan J. Kelly*
 DISTRICT CONSTRUCTION ENGINEER

Examined By: *[Signature]*
 DISTRICT MATERIALS ENGINEER

| | | | |
|---|-------------------------------|------------|-----------|
| FILE NAME = | USER NAME = greenleam | DESIGNED - | REVISED - |
| p:\IL084E0IDINTEG.illinois.gov\PI00T\Documents\IDOT Offices\District 9\Projects\78563\DRAWN to\CAD\sheets\78563-sht-cvr.sog | | DRAWN | REVISED |
| #MODELNAME# | PLOT SCALE = 100.0000' / 1" = | CHECKED - | REVISED - |
| | PLOT DATE = 12/21/2016 | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

| | | | |
|-----------------|---------|----|--------|
| SIGNATURE SHEET | | | |
| SCALE: | SHEET | OF | SHEETS |
| | | | |
| STA. | TO STA. | | |

| | | | | |
|-----------------------------|---------|---------|--------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 57 | * | VARIOUS | 10 | 2 |
| CONTRACT NO. 78563 | | | | |
| [ILLINOIS] FED. AID PROJECT | | | | |

INDEX OF SHEETS:

| SHEET | DESCRIPTION |
|-------|------------------------|
| 1 | COVER SHEET |
| 2 | SIGNATURE SHEET |
| 3 | INDEX OF SHEETS |
| 3 | GENERAL NOTES |
| 3 | STANDARDS |
| 4-5 | SUMMARY OF QUANTITIES |
| 6-7 | TYPICAL SECTIONS |
| 8-9 | SCHEDULE OF QUANTITIES |
| 10 | DETAILS: STATIONING |

GENERAL NOTES:

BITUMINOUS MATERIAL (TACK COAT) SHALL BE APPLIED PRIOR TO PLACING THE FIRST PASS OF MICRO-SURFACING AT A RATE OF 0.05 LB/SQ FT.

THE CONTRACTOR SHALL PROTECT ALL EXISTING INLAID EDGE LINES AND RAISED REFLECTIVE PAVEMENT MARKERS BY COVERING DURING ALL WORK OPERATIONS AND SHALL RESTORE THEM TO THEIR CURRENT CONDITION AFTER WORK IS PERFORMED IN ANY LANE EACH DAY.

THE QUANTITY OF SHORT TERM PAVEMENT MARKING SHOWN IN THE PLANS IS BASED ON ONE APPLICATION FOR THE MICROSURFACING.

THE CONTRACTOR SHALL PRESERVE ALL EXISTING STAMPED STATIONING.

THE CONTRACTOR SHALL PRESERVE EXISTING SHOULDER RUMBLE STRIPS.

MIXTURES REQUIREMENTS

NONE

HIGHWAY STANDARDS

000001-06 Standard, Symbols, Abbreviations, & Patterns
 701400-09 Apprch To Ln Closure-Freeway Expressway
 701401-10 Ln Closure Freeway Expressway
 701406-11 Ln Closure Freeway Expressway - Day Op Only
 701426-09 Ln Closure Multi Ln - Intermittant or Moving Op 45 MPH or More
 701428-01 Traffic Control Setup Removal Freeway Expressway
 701451-04 Ramp Closure Freeway Expressway
 701901-06 Traf Cntrl Devices
 780001-05 Typical Pvmt Mrkings
 781001-04 Typical App Raised Reflc Pvmt Mrkrs

| | | | | | | | | | | |
|---|------------------------------|------------|-----------|---|--|--------------------|---------|---------|-----------------|--------------|
| FILE NAME = | USER NAME = greenleesm | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | INDEX OF SHEETS, GENERAL NOTES, STANDARDS | F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| pw:\IL\084EBIDINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 9\Projects\78563\Drawings\CAD\Drawings\78563-sha-cvr-soq.dwg | PLotted | CHECKED - | REVISED - | | | 57 | . | VARIOUS | 10 | 3 |
| Default | PLOT SCALE = 100.0000' / in. | DATE - | REVISED - | | | CONTRACT NO. 78563 | | | | |
| | PLOT DATE = 1/25/2017 | DATE - | REVISED - | | | SCALE: | SHEET | OF | SHEETS | STA. |

SUMMARY OF QUANTITIES

| CODE NUMBER | ITEM DESCRIPTION | UNIT | TOTAL QUANTITY | LOCATION 1 | | LOCATION 2 | | |
|-------------|---|---------|----------------|----------------|----------------|----------------|----------------|--------------|
| | | | | COUNTY: | UNION | JOHNSON | FRANKLIN | JEFFERSON |
| | | | | ROUTE: | FAI 57, I-57 | FAI 57, I-57 | FAI 57, I-57 | FAI 57, I-57 |
| | | | | FUNDING: | 100% STATE ✓ | 100% STATE ✓ | 100% STATE ✓ | 100% STATE ✓ |
| LOCATION: | RURAL ✓ | RURAL ✓ | RURAL ✓ | RURAL ✓ | | | | |
| | | | | MICROSURFACING | MICROSURFACING | MICROSURFACING | MICROSURFACING | |
| | | | | 0005 ✓ | 0005 ✓ | 0005 ✓ | 0005 ✓ | |
| 40600290 | BITUMINOUS MATERIALS (TACK COAT) | POUND | 57454 | 4371 | 2259 | 9870 | 40954 | |
| 40600400 | MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS | TON | 3 | 1 | 1 | 0.5 | 0.5 | |
| 67100100 | MOBILIZATION | LSUM | 1 | 0.25 | 0.25 | 0.25 | 0.25 | |
| 70100700 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701406 | LSUM | 1 | 0.5 | 0.5 | | | |
| 70100800 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701401 | LSUM | 1 | | | 0.5 | 0.5 | |
| 70100820 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701451 | LSUM | 1 | | | | 1 | |
| 70200100 | NIGHTTIME WORK ZONE LIGHTING | LSUM | 1 | | | 0.5 | 0.5 | |
| 70300100 | SHORT TERM PAVEMENT MARKING | FOOT | 11197 | 4,453 | 2,259 | 871 | 3,614 | |
| 70300150 | SHORT TERM PAVEMENT MARKING REMOVAL | SQ FT | 3732 | 1,484 | 753 | 290 | 1,205 | |
| * 78000400 | THERMOPLASTIC PAVEMENT MARKING - LINE 6" | FOOT | 27991 | 11133 | 5647 | 2177 | 9034 | |
| X0326218 | FIBER-MODIFIED ASPHALT CRACK SEALING | FOOT | 111145 | 43711 | 22589 | 8709 | 36136 | |
| X0327979 | PAVEMENT MARKING REMOVAL - GRINDING | SQ FT | 5606 | | | 1089 | 4517 | |

* SPECIALTY ITEM

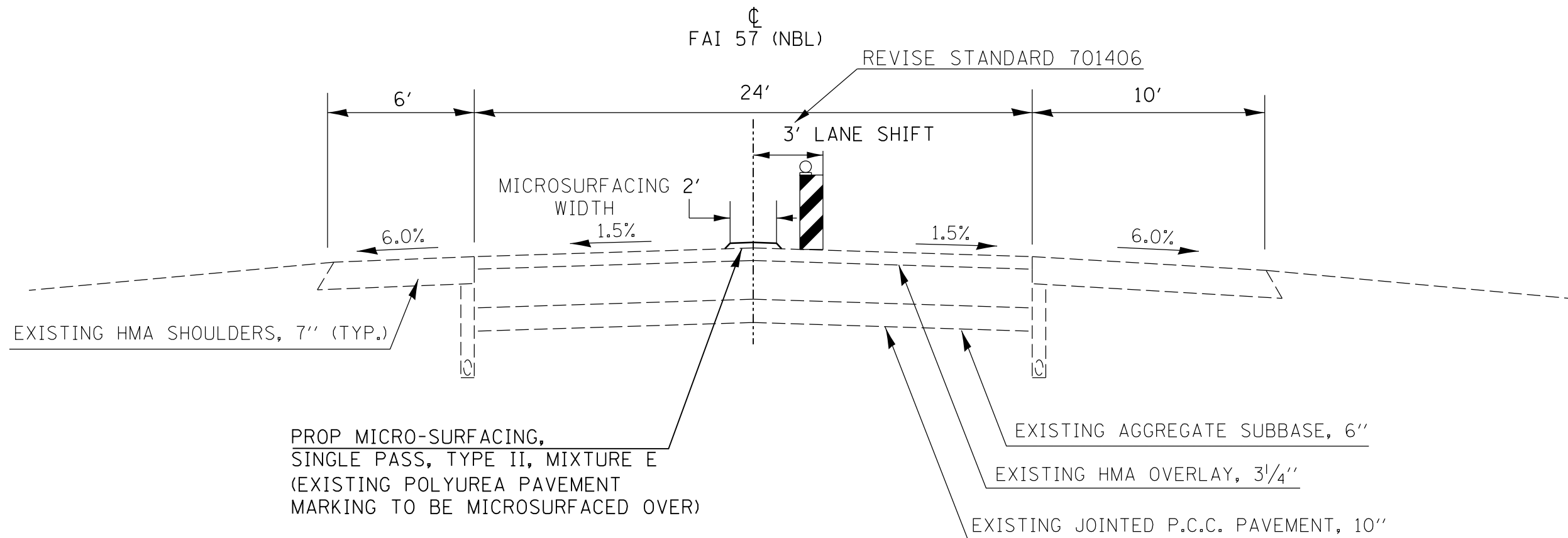
SUMMARY OF QUANTITIES - CONT

| CODE NUMBER | ITEM DESCRIPTION | UNIT | TOTAL QUANTITY | LOCATION 1 | | LOCATION 2 | |
|-------------|--|--------|----------------|---------------------|---------------------|---------------------|---------------------|
| | | | | MICROSURFACING 0005 | MICROSURFACING 0005 | MICROSURFACING 0005 | MICROSURFACING 0005 |
| X7015005 | CHANGEABLE MESSAGE SIGN | CAL DA | 28 | 14 | | 14 | |
| Z0063803 | MICRO-SURFACING, SINGLE PASS, TYPE II, MIXTURE E | SO YD | 127676 | 9713 | 5020 | 21934 | 91009 |

2

TYPICAL SECTION

LOCATION 1



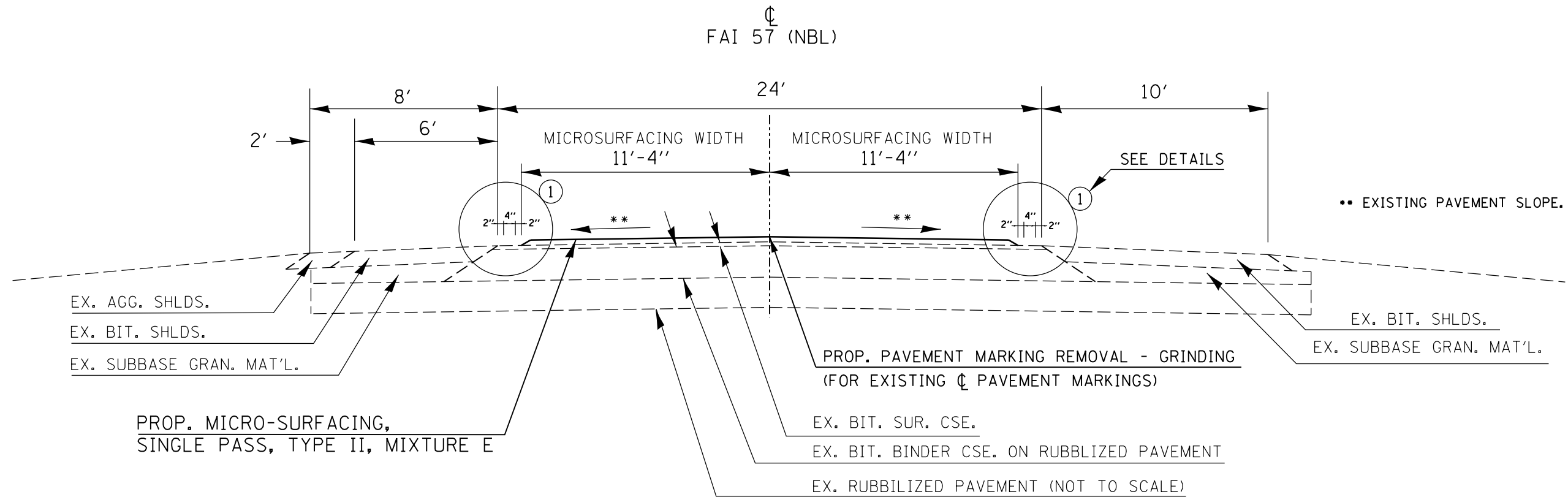
TO BE USED:
 NORTHBOUND LANES
 STA. 2678+05 TO STA. 2232+74.28 AH
 STA. 224+40.74 BK TO STA. 00+06.39 AH
 STA. 462+04.74 BK TO STA. 460+49.74
 (STATIONING GIVEN IN THE DIRECTION OF TRAFFIC)

BRIDGE OMISSIONS
 STA. 2308+50 TO STA. 2311+75
 STA. 2517+80 TO STA. 2520+00
 STA. 2595+45 TO STA. 2598+20

| | | | | | | | | | | | | |
|--|----------------------------|------------|-----------|---|-------------------------------------|--|--|---------------------------|---------|--------|-----------------|--------------|
| FILE NAME = | USER NAME = greenleesm | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | TYPICAL SECTIONS | | | F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 9\Projects\78563\Drawings\CAD\Sheets\78563-sha-cvr-soq.dwg | DESIGNED - | REVISED - | 57 | | | | | . | VARIOUS | 10 | 6 | |
| Default | PLOT SCALE = 5.1908' / in. | CHECKED - | REVISED - | | SCALE: SHEET OF SHEETS STA. TO STA. | | | CONTRACT NO. 78563 | | | | |
| | PLOT DATE = 1/25/2017 | DATE - | REVISED - | | | | | ILLINOIS FED. AID PROJECT | | | | |

TYPICAL SECTION

LOCATION 2



PROP. MICRO-SURFACING,
SINGLE PASS, TYPE II, MIXTURE E

PROP. PAVEMENT MARKING REMOVAL - GRINDING
(FOR EXISTING CL PAVEMENT MARKINGS)

EX. BIT. SUR. CSE.
EX. BIT. BINDER CSE. ON RUBBLIZED PAVEMENT
EX. RUBBLIZED PAVEMENT (NOT TO SCALE)

•• EXISTING PAVEMENT SLOPE.

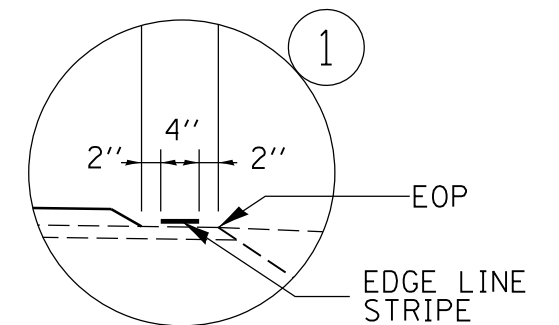
EX. BIT. SHLDS.
EX. SUBBASE GRAN. MAT'L.

TO BE USED:
MP 79 (APPROX STA. 96+87) TO 9+78.11 BK
11+21.99 AH TO MP 87.5 (APPROX. STA. 374+00)

BRIDGE OMISSION LIMIT
STA 234+23 (MP 84.9) TO STA 235+65 (MP 84.9)
(THE ACTUAL OMISSION LIMITS MAY VARY AND IS TO BE DETERMINED BY THE ENGINEER)

EQUATION STATION LIMITS:
STA 9+78.11 BK (MP 80.6) TO STA 11+21.99 AH (MP 80.6)

DETAILS



| | | | | | | | | | | |
|---|----------------------------|------------|-----------|---|---|-------------------------------------|---------|---------------------------|--------------|-----------|
| FILE NAME = | USER NAME = greenleesm | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | TYPICAL SECTIONS (FRANKLIN AND JEFFERSON COUNTIES) | F.A.I. R.T.E. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 9\Projects\78563\Drawings\CAD\Drawings\78563-sha-cvr-soq.dwg | DRAWN - | CHECKED - | REVISED - | | | 57 | • | VARIOUS | 10 | 6 |
| Default | PLOT SCALE = 5.1908' / in. | DATE - | REVISED - | | | CONTRACT NO. 78563 | | | | |
| | PLOT DATE = 1/25/2017 | DATE - | REVISED - | | | SCALE: SHEET OF SHEETS STA. TO STA. | | ILLINOIS FED. AID PROJECT | | |

MICRO-SURFACE SCHEDULE

| LOCATION STATION TO STATION | LENGTH | MICRO SURFACING, SINGLE PASS, TYPE II, MIXTURE E | FIBER-MODIFIED ASPHALT CRACK SEALING | BITUMINOUS (TACK COAT) | REMARKS |
|--------------------------------|---------------|--|--|---------------------------|----------|
| | FOOT | SQ YD | FOOT | POUND | |
| I-57 | | | | | |
| UNION COUNTY | | | | | |
| 2678+05. TO 2598+20. | 7985 | 1774 | 7985 | 799 | |
| BRIDGE OMISSION | | | | | 091-0013 |
| 2595+45. TO 2520+00. | 7545 | 1677 | 7545 | 755 | |
| BRIDGE OMISSION | | | | | 091-0016 |
| 2517+80. TO 2311+75. | 20605 | 4579 | 20605 | 2061 | |
| BRIDGE OMISSION | | | | | 091-0017 |
| 2308+50. 2232+74.2 AH | 7576 | 1683 | 7576 | 758 | |
| JOHNSON COUNTY | | | | | |
| 224+40.74 BK TO +6.39 AH | 22434 | 4985 | 22434 | 2243 | |
| 462+04.74 BK TO 460+49.74 | 155 | 34 | 155 | 16 | |
| FRANKLIN COUNTY | | | | | |
| 96+87. TO 9+78.11 BK | 8709 | 21934 | 8709 | 9870 | |
| JEFFERSON COUNTY | | | | | |
| 11+21.99 AH TO 234+23. | 22301 | 56166 | 22301 | 25274 | |
| BRIDGE OMISSION | | | | | |
| 235+65. TO 374+00. | 13835 | 34844 | 13835 | 15680 | |
| TOTALS | 111145 | 127676 | 111145 | 57454 | |

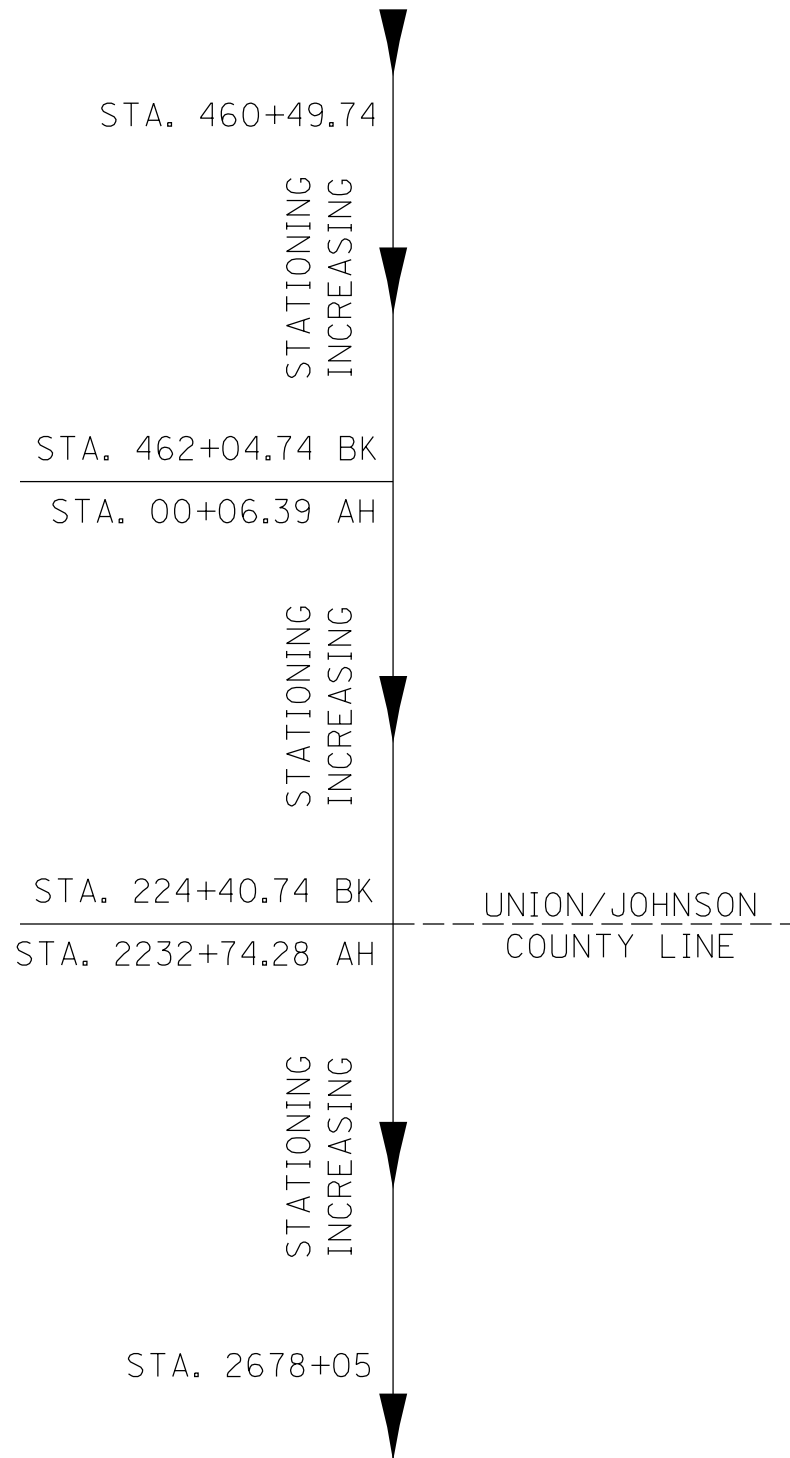
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|--|------------------------------|------------|-----------|---|------------------|-------------------------------------|---------|--------|-----------------------------|--------------|--|
| FILE NAME = | USER NAME = greenleesm | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | SCHEDULES | F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| pw:\IL\084EBIDINTEG.illinois.gov\PIDOT\Documents\DOT Offices\District 9\Projects\78563\Drawings\CAD\Sheets\78563-sht-cvr-soq.dwg | | DRAWN - | REVISED - | | | 57 | • | | | | |
| Default | PLOT SCALE = 100.0000' / in. | CHECKED - | REVISED - | | | SCALE: SHEET OF SHEETS STA. TO STA. | | | CONTRACT NO. 78563 | | |
| | PLOT DATE = 1/25/2017 | DATE - | REVISED - | | | ILLINOIS FED. AID PROJECT | | | D9 Pavt Preservation 2017-1 | | |

PAVEMENT MARKING SCHEDULE

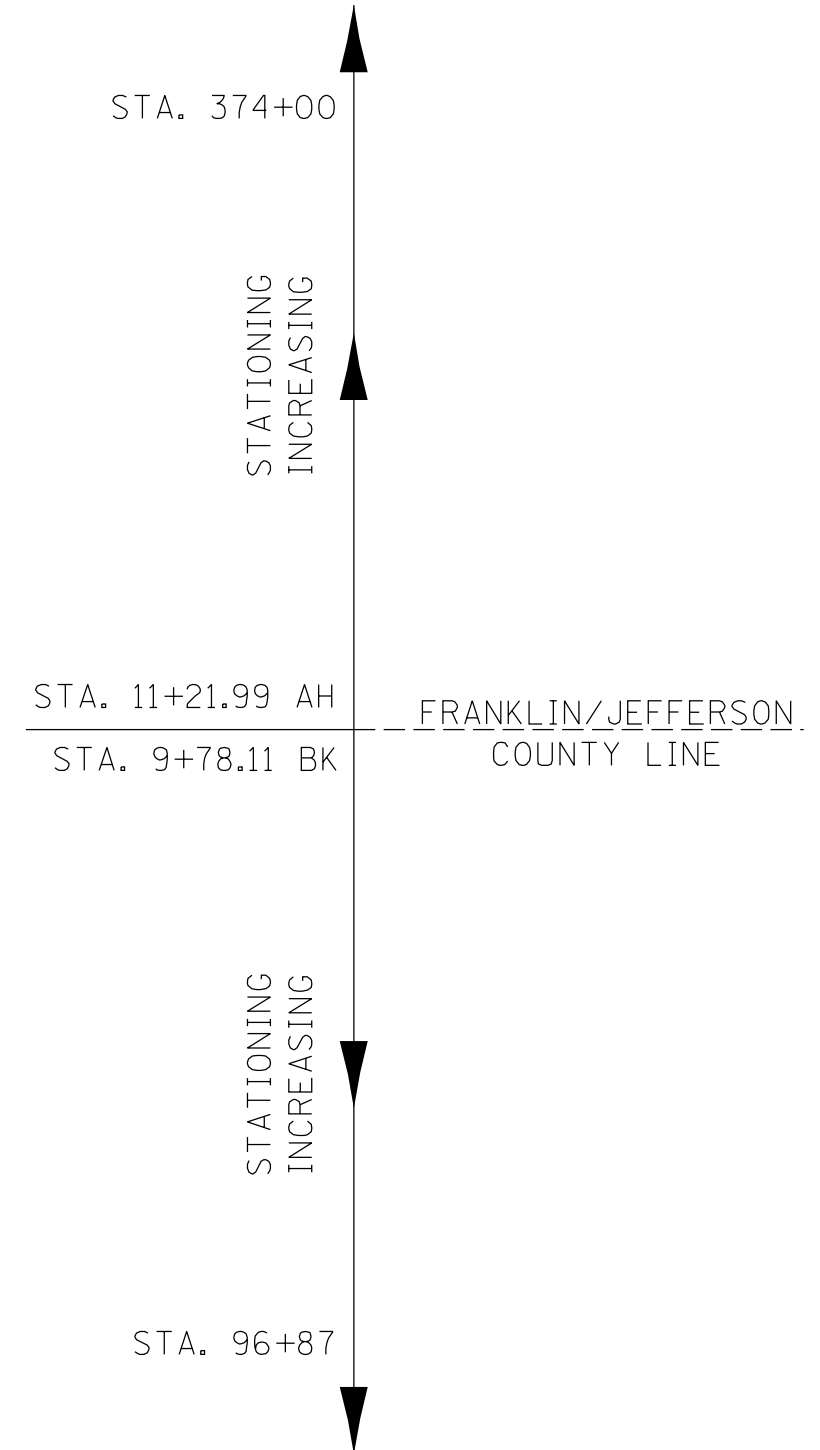
| LOCATION STATION TO STATION | LENGTH | PAVEMENT MARKING REMOVAL GRINDING | THERMOPLASTIC PAVEMENT MARKING - LINE 6" | REMARKS |
|--------------------------------|--------|--|---|---------|
| | | | SKIP DASH | |
| | | | WHITE | |
| | | | SQ FT FOOT | |
| I-57 | | | | |
| UNION COUNTY | | | | |
| 2678+05. TO 2232+74.28 AH | 44531 | | 11133 | |
| JOHNSON COUNTY | | | | |
| 224+40.74 BK TO +6.39 AH | 22434 | | 5609 | |
| 462+04.74 BK TO 460+49.74 | 155 | | 39 | |
| FRANKLIN COUNTY | | | | |
| 96+87. TO 9+78.11 BK | 8709 | 1089 | 2177 | |
| JEFFERSON COUNTY | | | | |
| 11+21.99 AH TO 234+23. | 22301 | 2788 | 5575 | |
| OMITTED SECTION | | | | |
| 235+65. TO 374+00. | 13835 | 1729 | 3459 | |
| TOTALS | | | | |
| | 111965 | 5606 | 27991 | |

| | | | | | | | | | | | |
|--|------------------------------|------------|-----------|---|------------------|--------------------|---------|---------|-----------------|--------------|----|
| FILE NAME = | USER NAME = greenleesm | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | SCHEDULES | F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 9\Projects\78563\Drawings\CAD\Sheets\78563-sht-cvr-soq.dwg | | DRAWN | REVISED | | | 57 | • | VARIOUS | 10 | 9 | |
| Default | PLOT SCALE = 100.0000' / in. | CHECKED - | REVISED - | | | CONTRACT NO. 78563 | | | | | |
| | PLOT DATE = 1/25/2017 | DATE - | REVISED - | | | SCALE: | SHEET | OF | SHEETS | STA. | TO |

LOCATION 1
UNION / JOHNSON COUNTIES



LOCATION 2
FRANKLIN / JEFFERSON COUNTIES



| | | | |
|--|------------------------------|------------|-----------|
| FILE NAME = | USER NAME = greenleem | DESIGNED - | REVISED - |
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| Default | PLOT SCALE = 100.0000' / in. | CHECKED - | REVISED - |
| | PLOT DATE = 1/25/2017 | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS: STATIONING

SCALE: SHEET OF SHEETS STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|---------|--------------------|-----------|
| 57 | • | VARIOUS | 10 | 10 |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 78563 | |