FOR INDEX OF SHEETS, SEE SHEET NO. 2

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

FRANKLIN COUNTY C-99-054-12

PROPOSED HIGHWAY PLANS

FAI ROUTE 57 (I-57) SECTION D9 PAVEMENT REPAIR 2013-1

TOWNSHIPS

TRAFFIC DATA I-57 TRAFFIC DATA FRANKLIN COUNTY

2009 ADT = 33,000 WITH 30% TRUCKS 2010 ADT = 33,830 WITH 30% TRUCKS

2030 ADT = 55,430 WITH 30% TRUCKS

WEST FRANKFORT

PROJECT LIMITS STA. 558 + 83 STA. TO 559+58 NORTHBOUND LANES FRANKLIN /WILLIAMSON COUNTY LINE EQ. STA. 289 + 26.45 = STA. 0 + 00 AH

GROSS LENGTH = 75 FT = 0.014 MILES

NET LENGTH = 75 FT = 0.014 MILES

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.

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123

PROJECT MANAGER: SUSAN POE PROJECT ENGINEER: SEAN GREENLEE

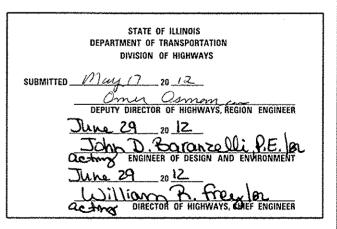
CONTRACT NO. 78323

D-99-047-12

57 D9 PAVEMENT REPAIR 2013-1

FRANKLIN 6 1 BLUMOIS CONTRACT NO. 78323





PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHT NO DESCRIPTION

- 1 COVER SHEET
- INDEX OF SHEETS, STANDARDS, MIXTURES REQUIREMENTS
- 3 SUMMARY OF QUANTITIES
- TYPICAL SECTIONS
- 5 SCHEDULES OF QUANTITIES
- 6 DETAILS: ROUGH GROOVED SURFACE; UNEVEN LANES

STANDARDS

| 000001-06 | STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS |
|-----------|---|
| 001006 | DECIMAL OF AN INCH AND OF A FOOT |
| 701101-02 | OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE |
| 701106-02 | OFF-RD OPERATIONS. MULTILANE, MORE THAN 15' AWAY |
| 701400-05 | APROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY |
| 701406-06 | LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY |
| 701901-02 | TRAFFIC CONTROL DEVICES |
| 780001-03 | TYPICAL PAVEMENT MARKINGS |
| 781001-03 | TYPICAL APPLICATORS RAISED REFLECTIVE PAVEMENT MARKERS |

GENERAL NOTES

- 1. THE THICKNESS OF HOT MIX ASPHALT SHOWN ON THE PLANS IS THE NOMINALTHICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HOT MIX ASPHALT IS PLACED.
- 2. FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

ALL HOT MIX ASPHALT
ALL AGGREGATE
2. 016 TONS/CU YD
2. 05 TONS/CU YD
2. 05 TONS/CU YD
2. 06 TONS/CU YD
2. 07 TONS/CU YD
3. 07

- 3. ATTAINMENT OF PROPER CROWN OR SUPERELEVATION SHALL BE FULLY ACCOMPLISHED WITH THE HOT MIX ASPHALT SURFACE REMOVAL OR HOT MIX ASPHALT BINDER COURSE OR LEVELING BINDER, WHEN SPECIFIED.
- 4. AFTER A LIFT OF BITUMINOUS CONCRETE HAS BEEN PLACED ON A LANE. THAT LANE SHALL REMAIN CLOSED TO TRAFFIC UNTIL THE NEW MAT HAS COOLED TO 150°
- 5. THE PAY ITEM "HOT-MIX ASPHALT SURFACE REMOVAL, 2 INCH" IS EXPECTED TO PROPERLY CORRECT THE DAMAGED PAVEMENT. HOWEVER, IF FURTHER MILLING IS DEEMED NECESSARY BY THE ENGINEER, THE PRICE OF SAID MILLING WILL BE INCLUDED IN THE ORIGINAL PAY ITEM "HOT-MIX ASPHALT SURFACE REMOVAL, 2 INCH"

MIXTURES REQUIREMENTS

| Location(s): | I-57 Maintine Pavement & Shoulders | | | | | | | |
|---|---|--|--|--|--|--|--|--|
| Mixture Use(s): | Polymerized Hot-Mix Asphalt Surface Course, Mix E. N105 | | | | | | | |
| AC/PG: | SBS PG76-22 | | | | | | | |
| RAP % (Max): | 0 | | | | | | | |
| Design Air Voids: | 4.0%, 105 Gyration Design | | | | | | | |
| Mixture Composition: (Gradation Mixture | IL-9.5 mm or IL 12.5 mm | | | | | | | |
| Friction Aggregate | | | | | | | | |

Prepared By:

DISTRICT STUDIES & PLANS ENGINEED

Examined By:

DISTRICT LAND ACQUISITION ENGINEER

Examined By:

DISTRICT OPERATIONS INGINEER

Examined By:

DISTRICT OPERATIONS INGINEER

Examined By:

DISTRICT CONSTRUCTION ENGINEER

Examined By:

DISTRICT CONSTRUCTION ENGINEER

Examined By:

Examined By:

Approved By:

One Osman

DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

One 17

20 (2)

ENGINEER

DISTRICT PROJECT IMPLEMENTATION ENGINEER

FILE NAME . DESIGNED -REVISED USER NAME - greenlessm DRAWN REVISED STATE OF ILLINOIS SIGNATURE SHEET 57 DS PAVEMENT REPAIR 2013-1 FRANKLIN 6 2 PLOT SCALE . 100,0000 '/ ID. CHECKED ~ **DEPARTMENT OF TRANSPORTATION** REVISED CONTRACT NO. 78323 PLOT DATE = 5/16/2012 DATE REVISED SCALE OF SHEETS STA. TO STA. ILLINOIS FED. ATO PROJECT

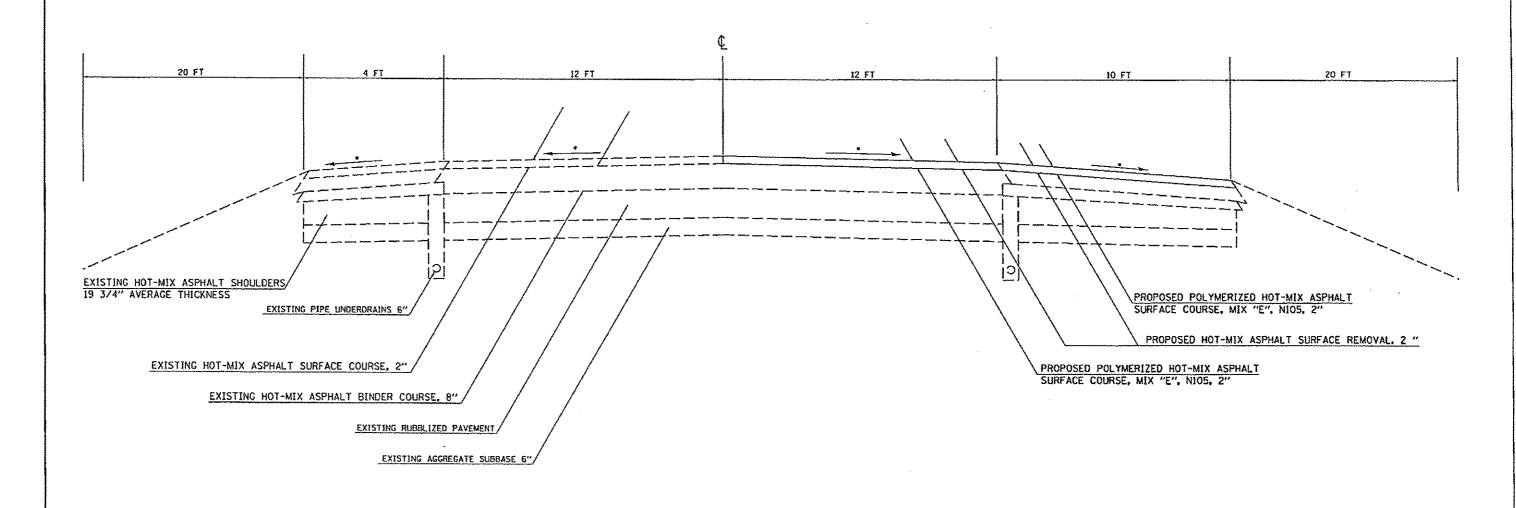
| CODE NO | | CONSTRUCTION TYPE CODE 0005 | | | | |
|----------|---|-----------------------------|--------------------|--|--|--|
| CODE NO. | I TEM | UNIT | 100% STATE MCHD | | | |
| 25000200 | SEEDING, CLASS 2 | ACRE | 0.07 | | | |
| 25000350 | SEEDING, CLASS 7 | ACRE | 0.07 | | | |
| 25000400 | NITROGEN FERTILIZER NUTRIENT | POUND | 11 | | | |
| 25000500 | PHOSPHOROUS FERTILIZER NUTRIENT | POUND | 8 | | | |
| 25000600 | POTASSIUM FERTILIZER NUTRIENT | POUND | 8 | | | |
| 25000700 | AGRICULTURAL GROUND LIMESTONE | TON | 0.14 | | | |
| 25100115 | MULCH, METHOD 2 | ACRE | 0.14 | | | |
| 40600115 | POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT) | GALLON | 17 | | | |
| 40600300 | AGGREGATE (PRIME COAT) | TON | 0. 3 | | | |
| 40603575 | POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E". N105 | TON | 21 | | | |
| 44000157 | HOT-MIX ASPHALT SURFACE REMOVAL, 2" | SO YD | 184 | | | |
| 67100100 | MOBILIZATION | L SUM | 1 | | | |
| 70100700 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701406 | L SUM | 1 | | | |
| 78003110 | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 4" | FOOT | 75 | | | |

| AND THE SECOND PROPERTY COMM | | CONSTRUC | CONSTRUCTION TYPE CODE | | | | |
|------------------------------|--|----------|------------------------|--|--|--|--|
| CODE NO. | NO. ITEM | UNIT | 100% STATE MCHD | | | | |
| 78003130 PREFORMED PL | ASTIC PAVEMENT MARKING, TYPE B - LINE 6" | F00T | 20 | | | | |
| 78300200 RAISED REFLE | CTIVE PAVEMENT MARKER REMOVAL | EACH | 1 | | | | |
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| FILE HAME " USES NAME * greenloom DESIGNED - REVISED - | | | |
|--|------------------------------|-------------------------------------|-----------------------------------|
| The state of the s | ~ j | | F.A.L. SECTION COUNTY TOTAL SHEET |
| ot/pw.work/pvidot/greenlessm/dms46695/miza.dgs DRAWN - REVISED - | STATE OF ILLINOIS | SUMMARY OF QUANTITIES | RTE, SECTION COUNTY SHEETS NO. |
| PLOT SCALE - 1993-199005 1/10. CHECKED - REVISED - | DEPARTMENT OF TRANSPORTATION | | 7,100,000 |
| PLOT DATE + 5/17/2012 DATE - REVISED - | | SCALE: SHEET OF SHEETS STA. TO STA. | CONTRACT NO. 78323 |

TYPICAL SECTION



TO BE USED:

NOTES:

* MATCH EXISTING CROSS SLOPE

STA 558+83 TO STA 559+58 NORTHBOLIND LANES

| FILE MANE * | USER HAVE = greanlessm | DESIGNED - | REVISED - | | | | SECTION | COUNTY TOTAL SHEET |
|---|-------------------------------|------------|-----------|------------------------------|---------------------------------|---------|------------------------------|--------------------|
| at/pv.work/pxtdot/greenlessm/dws46695/net | ro.dgn | DRAWN - | REVISEO - | STATE OF ILLINOIS | TYPICAL SECTION | Į- | S7 99 PAVELENT REPAIR 2013-1 | FRANKLIN 6 4 |
| 1 1 | PLOT SCALE = 128.99889 1/ 1m. | CHECKED ~ | REVISEO - | DEPARTMENT OF TRANSPORTATION | it iour ordins | ŀ | DE LANCACION NOS POR SERVICE | CONTRACT NO. 78323 |
| | PLOT DATE + 8/16/2012 | DATE - | REVISED - | | SCALE: SHEET NO. OF SHEETS STA. | TO STA. | ILLINOIS FED. A | ID PROJECT |

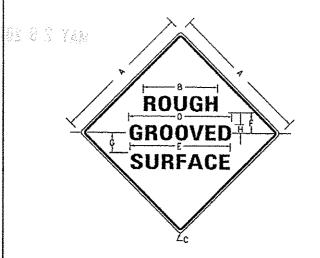
RESURFACING SCHEDULE

| | LOCATION STATION | STATION | TO | HMA SURFACE REMOVAL, 2" | POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX E, NIOS | POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT) | AGGREGATE (PRIME COAT) | REMARKS |
|--------|---------------------|-----------|----|----------------------------------|--|--|---------------------------|---------|
| | | | | SO YD | TONS | GAL | TON | |
| FAI RO | UTE 57 (NO | RTHBOUND) | | | | | _ | |
| 558+83 | RT TO | 559+58 | RT | 184 | 21 | 17 | 0.3 | |
| | | | | | | | | |
| | TOTALS | | | 184 | 21 | 17 | 0.3 | |

| <u> </u> | · · · · · · · · · · · · · · · · · · · | | | | | | | | | | | | - 1 |
|--------------------------------------|--|---|--|--|---|---|--|--|---|--|--|--|--|
| HAME > | USER NAME = granteesm | DESIGNED - | REVISED - | | | ,,,,, | | | F.A.I. | SECTION | COUNTY | TOTAL SHEET | ſŢ. |
| r_xork\pxxdo\$\greenlessm\dms46695\n | ≠ 0, ¢ gn | DRAWN - | REVISED - | STATE OF ILLINOIS | | | SCHEDULES | | H1E7 19 | | EDANY! (A) | SHEETS NU. | \dashv |
| | PLOT SCALE . 1888.9988 ' / 17h. | CHECKED | REVISEO - | DEPARTMENT OF TRANSPORTATION | | | | | | THE PART OF THE POLICY | CONTRACT | NO 78323 | 7 |
| | PLOT DATE + 5/16/2912 | DATE - | REVISED - | | SCALE: | SHEET | OF SHEETS STA. | TO STA. | | ILLINOIS FED. A | | NOT TODED | - |
| | northpostostostostostostostostostostostostosto | .workhpmdothgroeniessmhdmed6695hmso.dgm PEOT SCALE = 1889,9398 "/ 17h. | .work\pwidot\grounlessm\dma46615\mathred{chartering} DRAWN - PLOT SCALE = 188,98989 '/ sn. CHECKED | No. 1005 100 | PLOT SCALE - 1888-8886 '/ Jun. CHECKED - REVISED - DEPARTMENT OF TRANSPORTATION | PLOT SCALE - 188.9986 '/ 10. CHECKED - REVISED - STATE OF ILLINOIS PLOT DATE - 5/16/2812 DATE - REVISED - DEPARTMENT OF TRANSPORTATION SCALE - 188.9986 '/ 10. CHECKED - REVISED - DEPARTMENT OF TRANSPORTATION SCALE - 188.9986 '/ 10. CHECKED - REVISED - DEPARTMENT OF TRANSPORTATION SCALE - 188.9986 '/ 10. CHECKED - REVISED - DEPARTMENT OF TRANSPORTATION SCALE - 188.9986 '/ 10. CHECKED - REVISED - DEPARTMENT OF TRANSPORTATION | PLOT SCALE - 1889-89886 '/ 1916. CHECKED - REVISED - STATE OF ILLINOIS PLOT SCALE - 1889-89886 '/ 1916. CHECKED - REVISED - DEPARTMENT OF TRANSPORTATION | .mor/\pundot\gradulesm\dm46695\maxinum\dm46695 | .mor/\puidot\gradiniasm\dmid6695\miso.dgn | .mor/\pusidot\gradulasam\dmad6695\mass.dgm | ************************************** | ************************************** | ************************************** |

ILLINOIS STANDARD

W8-I106



COLORS:

LEGEND AND BORDER- BLACK NON-REFLECTORIZED BACKGROUND- ORANGE REFLECTORIZED

| SIGN | | | D | MENS | IONS | | | |
|-------|------|------|-----|------|------|-----|------|-----|
| SIZE | A | В | C | D | ε | F | G | н |
| 48X48 | 48.0 | 24.1 | 3.0 | 34.0 | 33.0 | 6.0 | 13.0 | 3.5 |

| | | SERIE | S | | Π | |
|-------|----|-------|----|-----|-----|--------|
| SIGN | | LINES | | | | BLANK |
| SIZE | 1 | 2 | 3 | GIN | DER | STD. |
| 48X48 | 7¢ | 7Ç | 7¢ | 0.8 | 1.2 | 84-480 |

NOTES:

PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED. THE CONTRACTOR SHALL HAVE ERECTED "ROUGH GROOVED SURFACE"
SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH
END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "ROUGH GROOVED SURFACE" SIGNS UNTIL THE COLDMILLED SURFACE IS COVERED WITH LEVELING BINDER OR SURFACE COURSE.

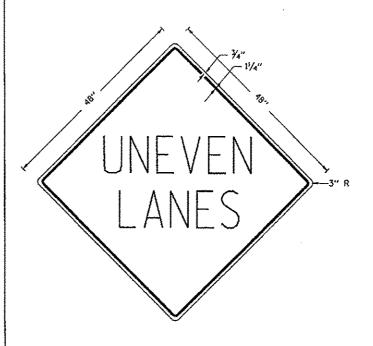
IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

| REVISIONS | | REDRAWN | 2-15-89 | REVISED | 4-6-93 | REVISED | 3-27-08 | STD. 9-39 REVISED

UNEVEN LANES SIGN

W8-11 (48" × 48")



COLORS:
LEGEND AND BORDER - BLACK NON-REFLECTORIZED BACKGROUND - DRANGE REFLECTORIZED

NOTE: PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLOMILLED OR BEFORE RESURFACING OPERATIONS BEGIN, THE CONTRACTOR SHALL HAVE ERECTED "UNEVEN PAVEMENT" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REDUIRED. THE CONTRACTOR SHALL MAINTAIN THE "UNEVEN PAVEMENT" SIGNS UNTIL THE RESURFACING OPERATIONS ARE COMPLETED.

> IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

> DRAWN 2-15-89 REVISED 4-06-9 REDSIGNED 7-23-04

CONTRACT NO. 78323

STD. 9-41 RESIZED 5-08-00

FILE NAME = USER NAME - gradulment DESIGNED -REVISED -DRAWN REVISED -PLOT SCALE + 1003.0000 */ In. CHECKED -REVISED PLOT DATE = 5/21/2812 DATE REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.I. SECTION COUNTY TOTAL SHEET NO.

57 09 PAVEWENT REPAIR 2012-1 FRANKLIN 6 6 DETAILS: ROUGH GROOVED SURFACE, UNEVEN LANES SCALE: SHEET OF SHEETS STA. TO STA.