

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FOR INDEX OF SHEETS, SEE SHEET NO. 2

TRAFFIC DATA

IL 149 TRAFFIC DATA
2013 ADT = 3,010 WITH 5% TRUCKS
2033 ADT = 3,670 WITH 5% TRUCKS

TOWNSHIP

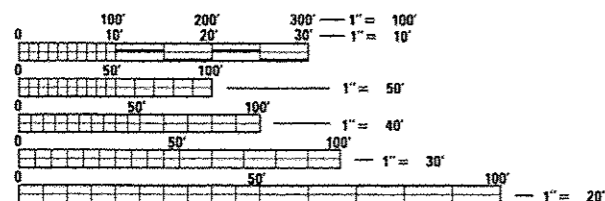
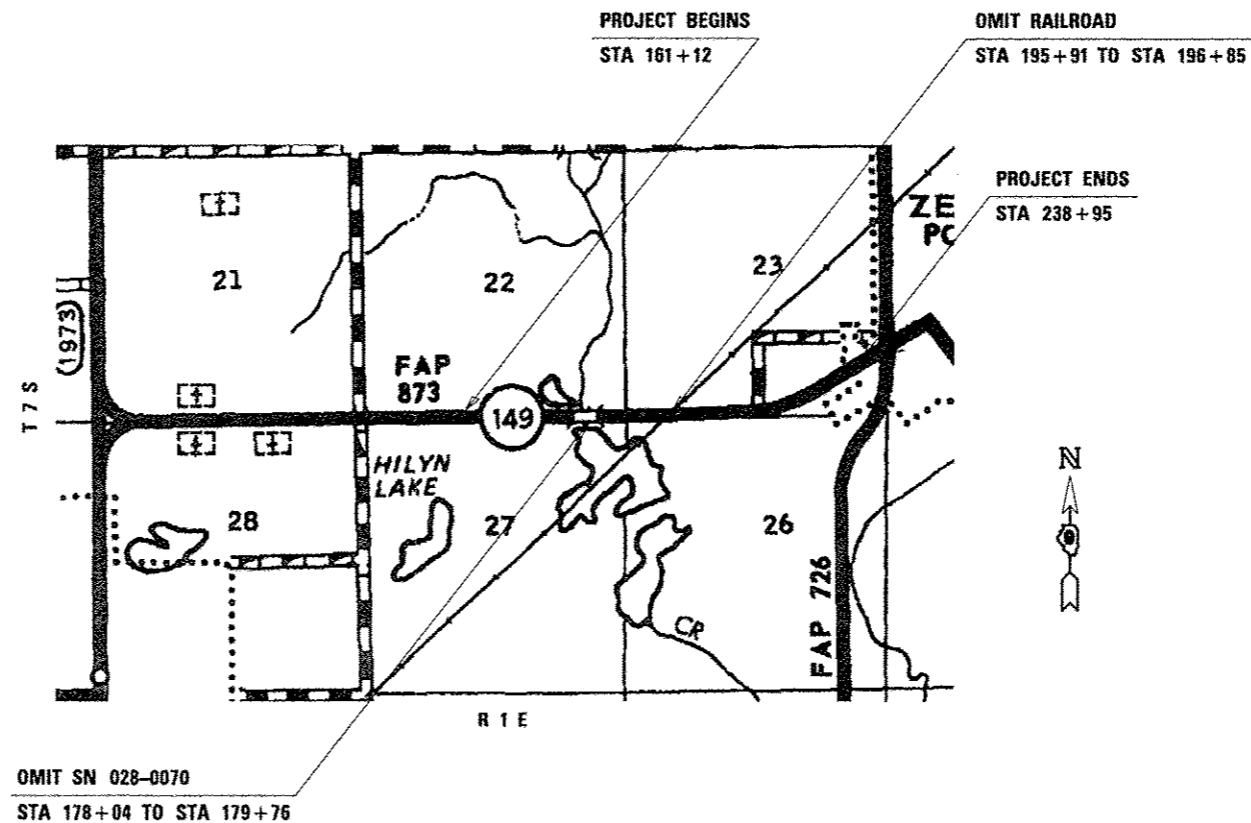
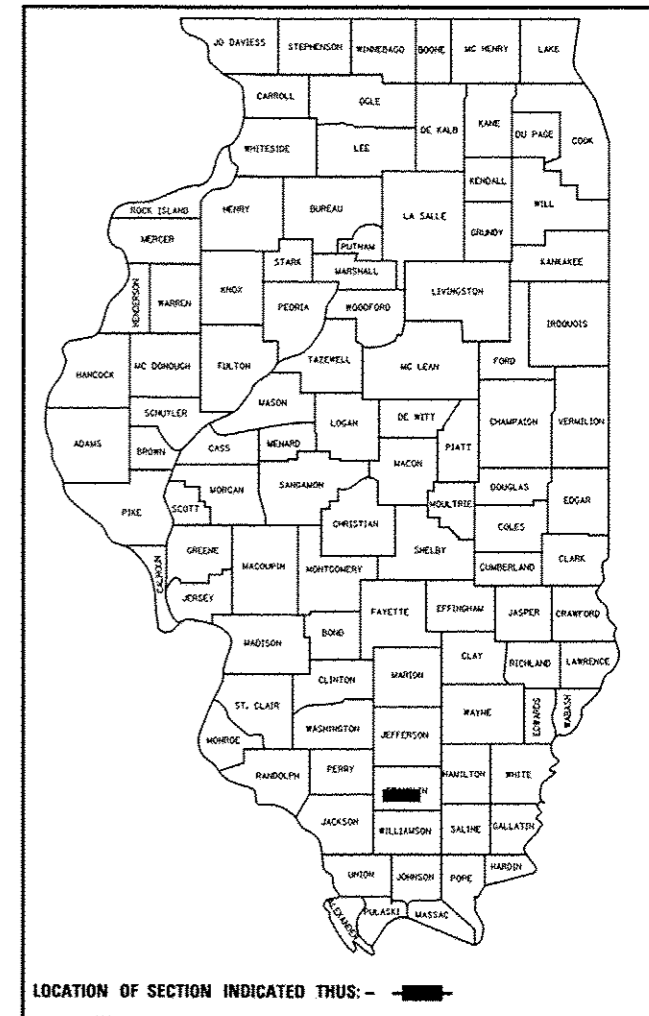
SIX MILE

**F.A.P. 873 IL ROUTE 149
SECTION 105RS-3
PROJECT F-0873(033)
3P RESURFACING
FRANKLIN COUNTY**

C-99-028-13

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|---------|----------|--------------------|-----------|
| 873 | 105RS-3 | FRANKLIN | 19 | 1 |
| | | ILLINOIS | CONTRACT NO. 78358 | |

D-99-026-13



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 PAULA STOVER
PROJECT MANAGER CHARLES STEIN

CONTRACT NO. 78358

GROSS LENGTH = 7,783 FT = 1.47 MILE
NET LENGTH = 7,517 FT = 1.42 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED *March 22 2013*
Jeffrey L. Keim
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 10 2013
John D. Baranzelli, PE, Jr.
acting ENGINEER OF DESIGN AND ENVIRONMENT

May 10 2013
Omer Osman, PE, Jr.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

INDEX OF SHEETS

| <u>SHEET NO.</u> | <u>DESCRIPTION</u> |
|------------------|----------------------------------------------------|
| 1 | COVER SHEET |
| 2 | INDEX OF SHEETS, HIGHWAY STANDARDS, AND STRUCTURES |
| 3 | SIGNATURE SHEET |
| 4 | GENERAL NOTES, MIX DESIGN AND COMMITMENTS |
| 5 - 7 | SUMMARY OF QUANTITIES |
| 8 - 10 | TYPICAL SECTIONS |
| 11 - 14 | SCHEDULES OF QUANTITIES |
| 15 - 19 | PROJECT DETAILS |
| | HIGHWAY STANDARDS |

STANDARDS

000001-06
 001006
 442201-03
 701001-02
 701006-04
 701011-03
 701301-04
 701306-03
 701336-06
 701901-02
 780001-03
 781001-03

STRUCTURES WITHIN PROJECT LIMITS

| <u>STRUCTURE NO.</u> | <u>OPERATING RATING</u> | <u>INVENTORY RATING</u> | <u>POSTING</u> | <u>MTD APPROVAL</u> |
|----------------------|-------------------------|-------------------------|----------------|---------------------|
| 028-0070 | 52.4 | 31.4 | NONE | YES |

| | | | | | | | | | | | |
|---------------------------------------------------|-----------------------------------|------------|-----------|-----------------------------------------------------------|-----------------------------------------------|----------------------------------|---------|----------|-----------------|--------------|--|
| FILE NAME * | USER NAME * #USER# | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | INDEX OF SHEETS, STANDARDS, STRUCTURES | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| c:\pwwork\pwwork\kelly\d0336015\78358-shs.pln.dgn | #USER# | DRAWN - | REVISED - | | | 873 | 105RS-3 | FRANKLIN | 19 | 2 | |
| #MODELNAME# | PLOT SCALE * 100.0000 / 1" = 100' | CHECKED - | REVISED - | | | CONTRACT NO. 78358 | | | | | |
| | PLOT DATE * 3/22/2013 | DATE - | REVISED - | | | ILLINOIS FED. AID PROJECT | | | | | |
| | | | | | SCALE: | SHEET NO. OF SHEETS STA. TO STA. | | | | | |

Prepared By: Joe Zlaniewicz
DISTRICT STUDIES & PLANS ENGINEER

Examined By: Jim Leo E
DISTRICT LAND ACQUISITION ENGINEER

Examined By: Car Mts
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: Kevin Maly
DISTRICT OPERATIONS ENGINEER

Examined By: KRL
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: Douglas J. Neisick
DISTRICT CONSTRUCTION ENGINEER

Examined By: Bruce W. Peoples
DISTRICT MATERIALS ENGINEER

| | | | |
|-------------------------------------|-----------------------------|------------|-----------|
| FILE NAME = | USER NAME = Stoverpg | DESIGNED - | REVISED - |
| oi\pwork\pwork\stoverpg\0336015\783 | 0-shht-plndgn | DRAWN - | REVISED - |
| #MODELNAME# | PLOT SCALE = 100.0000' / 1" | CHECKED - | REVISED - |
| | PLOT DATE = 3/21/2013 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGNATURE SHEET

SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. _____ TO STA. _____

| | | | | |
|---------------------------|---------|----------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 873 | 105RS-3 | FRANKLIN | 49 | 3 |
| CONTRACT NO. 78358 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

GENERAL NOTES

FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

| | |
|----------------------------------------------------|-----------------------------------------------------------|
| ALL HOT-MIX ASPHALT CONCRETE 2.016 TONS/CU. YD. | BITUMINOUS MATERIALS: ON PAVEMENT 0.09 GAL./SQ. YD. |
| ALL AGGREGATE 2.05 TONS/CU. YD. | INTERMEDIATE LIFTS (FOG COAT) 0.04 GAL./SQ. YD. |
| RIPRAP 1.50 TONS/CU. YD. | ON AGGREGATE SURFACE 0.32 GAL./SQ. YD. |
| AGGREGATE (PRIME COAT) 0.0015 TONS/SQ. YD. | |

THE CONTRACTOR SHALL STAMP STATIONING IN THE HOT-MIX ASPHALT SURFACE AT 300 FT. INTERVALS ON THE OUTSIDE EDGE OF PAVEMENT AND AS DIRECTED BY THE ENGINEER. THE STATION SYMBOL STAMPS USED SHALL BE FURNISHED BY THE CONTRACTOR. THEY SHALL BE 5 1/2 IN. TALL OF A DESIGN APPROVED BY THE ENGINEER, AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

EXISTING CONCRETE PATCHES ENCOUNTERED DURING MILLING OPERATIONS SHALL BE MILLED WITH THE SURROUNDING BITUMINOUS SURFACE REMOVAL. NO ADDITIONAL COMPENSATION WILL BE PROVIDED.

SAW CUTS REQUIRED FOR BUTT JOINTS SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE BUTT JOINT.

ALL EXISTING PAVEMENT MARKING SHALL BE LOCATED AND RECORDED BEFORE MILLING AND SHALL BE REPLACED ACCORDINGLY. THE DISTRICT BUREAU OF OPERATION SHALL BE NOTIFIED AT LEAST 10 DAYS PRIOR TO PLACEMENT OF THE FINAL PAVEMENT MARKINGS.

ALL EQUIPMENT USED FOR THE PLACEMENT OF THE INCIDENTAL HOT-MIX ASPHALT SURFACING SHALL BE APPROVED BY THE ENGINEER PRIOR TO ITS USE.

QUANTITIES SHOWN IN THE PLANS FOR PATCHING ARE ESTIMATES. THE ACTUAL AMOUNT OF PATCHING REQUIRED SHALL BE DETERMINED BY THE ENGINEER.

STRIP REFLECTIVE CRACK CONTROL TREATMENT SHALL BE APPLIED AS DIRECTED BY THE ENGINEER.

QUANTITY SHOWN FOR MIXTURE OF CRACKS, JOINTS, AND FLANGWAYS IS AN ESTIMATE. THE ACTUAL AMOUNT USED SHALL BE DETERMINED BY THE ENGINEER.

COMMITMENTS

NONE

MIX DESIGN

| | |
|---------------------------------------------|----------------------------------------------|
| Location(s): | Hot-Mix Asphalt Surface Course |
| Mixture Use(s) | Hot-Mix Asphalt Surface Course, Mix "C", N90 |
| AC/PG | PG64-22 |
| RAP% (Max): | See Special Provision |
| Design Air Voids: | 4.0%, 90 Gyration Design |
| Mixture Composition: (Gradation Mixture) | IL-9.5 mm |
| Friction Aggregate: | C Surface |

| | |
|---------------------------------------------|-------------------------------------------------|
| Location(s): | Leveling Binder |
| Mixture Use(s) | Leveling Binder (Machine Method), IL-9.5FG, N90 |
| AC/PG | PG64-22 |
| RAP% (Max): | See Special Provision |
| Design Air Voids: | 4.0%, 90 Gyration Design |
| Mixture Composition: (Gradation Mixture) | IL-9.5 mm FG |
| Friction Aggregate: | None |

| | |
|---------------------------------------------|--------------------------------------------|
| Location(s): | Incidental Hot-Mix Asphalt Surfacing |
| Mixture Use(s) | Hot-Mix Asphalt Surface Course, Mix C, N90 |
| AC/PG | PG64-22 |
| RAP% (Max): | See Special Provision |
| Design Air Voids: | 4.0%, 90 Gyration Design |
| Mixture Composition: (Gradation Mixture) | IL-9.5 mm |
| Friction Aggregate: | C Surface |

| | |
|---------------------------------------------|---------------------------------------------|
| Location(s): | Pavement Patching |
| Mixture Use(s) | Hot-Mix Asphalt Binder Course, N90, IL-19.0 |
| AC/PG | SBS PG64-22 |
| RAP% (Max): | See Special Provision |
| Design Air Voids: | 4.0%, 90 Gyration Design |
| Mixture Composition: (Gradation Mixture) | IL-19.0 mm |
| Friction Aggregate: | None |

| | | | | | | | | | | |
|--------------------------------------|---------------------------------|------------|-----------|-----------------------------------------------------------|---------------------------------------------------|-----------------------------------------|---------|----------------------------------------------|-----------------|--------------|
| FILE NAME : | USER NAME : #USER# | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | GENERAL NOTES, MIX DESIGN, AND COMMITMENTS | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| c:\pwork\pwork\kellyk\d0336019\78358 | sh:pln.dgn | DRAWN - | REVISED - | | | 873 | 105RS-3 | FRANKLIN | 19 | 4 |
| | PLOT SCALE : 100.0000 1" = 100' | CHECKED - | REVISED - | | | | | | | |
| | PLOT DATE : 3/22/2013 | DATE - | REVISED - | | | | | | | |
| | | | | | | SCALE: SHEET NO. OF SHEETS STA. TO STA. | | ILLINOIS FED. AID PROJECT CONTRACT NO. 78358 | | |

SUMMARY OF QUANTITIES

| | |
|----------------|-------------------|
| FUNDING: | 80% FED 20% STATE |
| LOCATION: | RURAL |
| ROUTE: | FAP 873 IL 149 |
| TOTAL QUANTITY | ROADWAY 0005 |

| CODE NUMBER | ITEM DESCRIPTION | UNIT | TOTAL QUANTITY | ROADWAY |
|-------------|-------------------------------------------------|--------|----------------|------------|
| 40600100 | BITUMINOUS MATERIALS (PRIME COAT) | GALLON | 1737 | 1737 |
| 40600300 | AGGREGATE (PRIME COAT) | TON | 30 | 30 |
| 40600400 | MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS | TON | 2.8 | 2.8 |
| 40600647 | LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N90 | TON | 766 | 766 |
| 40600982 | HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT | SO YD | 260 | 260 |
| 40600990 | TEMPORARY RAMP | SO YD | 85 | 85 |
| 40603320 | HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N90 | TON | 1611 | 1611 |
| 40800050 | INCIDENTAL HOT-MIX ASPHALT SURFACING | TON | 2 | 2 |
| 44000151 | HOT-MIX ASPHALT SURFACE REMOVAL, 1/2" | SO YD | 7243 | 7243 |
| 44000155 | HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2" | SO YD | 10218 | 10218 |
| 44000158 | HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4" | SO YD | 1389 | 1389 |
| 44201785 | CLASS D PATCHES, TYPE I, 12 INCH | SO YD | 163.4 | 163.4 |
| 44201789 | CLASS D PATCHES, TYPE II, 12 INCH | SO YD | 278.1 | 278.1 |

SUMMARY OF QUANTITIES - CONT

| | |
|-----------|-------------------|
| FUNDING: | 80% FED 20% STATE |
| LOCATION: | RURAL |
| ROUTE: | FAP 873 IL 149 |
| | ROADWAY |
| | 0005 |

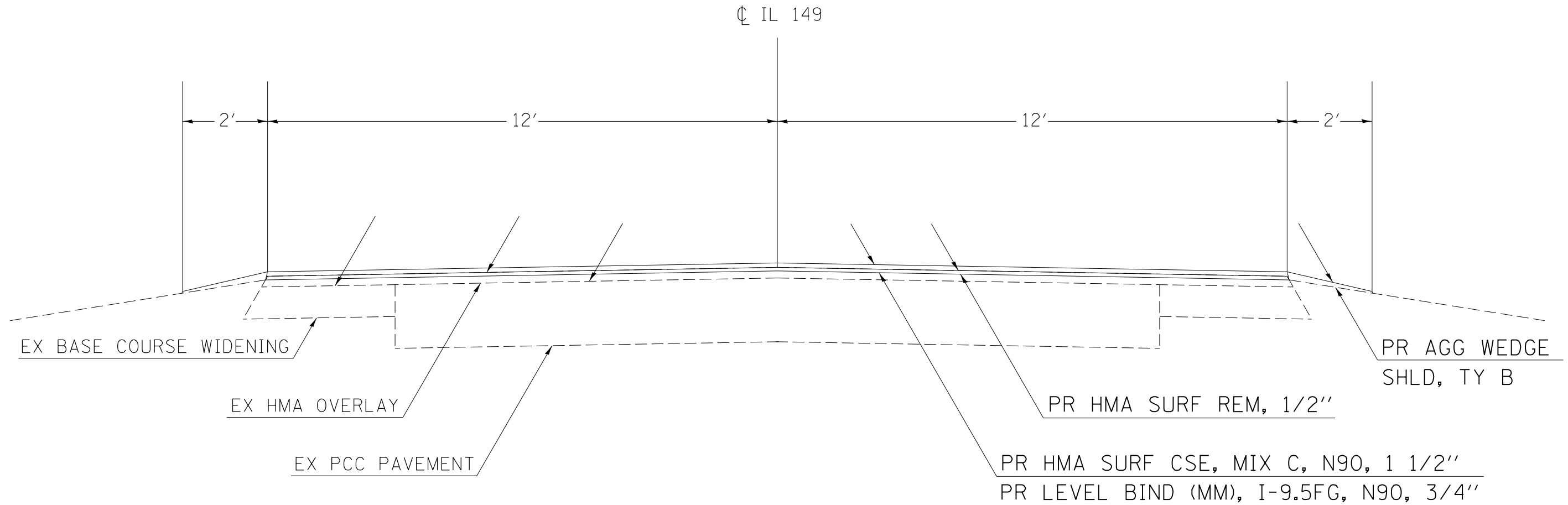
| CODE NUMBER | ITEM DESCRIPTION | UNIT | TOTAL QUANTITY | |
|-------------|---------------------------------------------------------------------|-------|----------------|-------|
| * X7801000 | WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS | SO FT | 122.4 | 122.4 |
| * X7801004 | WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING - LINE 4" | FOOT | 21023 | 21023 |
| * X7801024 | WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING - LINE 24" | FOOT | 69 | 69 |
| Z0034105 | MATERIAL TRANSFER DEVICE | TON | 2377 | 2377 |
| Z0048665 | RAILROAD PROTECTIVE LIABILITY INSURANCE | L SUM | 1 | 1 |

5

* SPECIALTY ITEM

TYPICAL SECTION #1

12' LANES

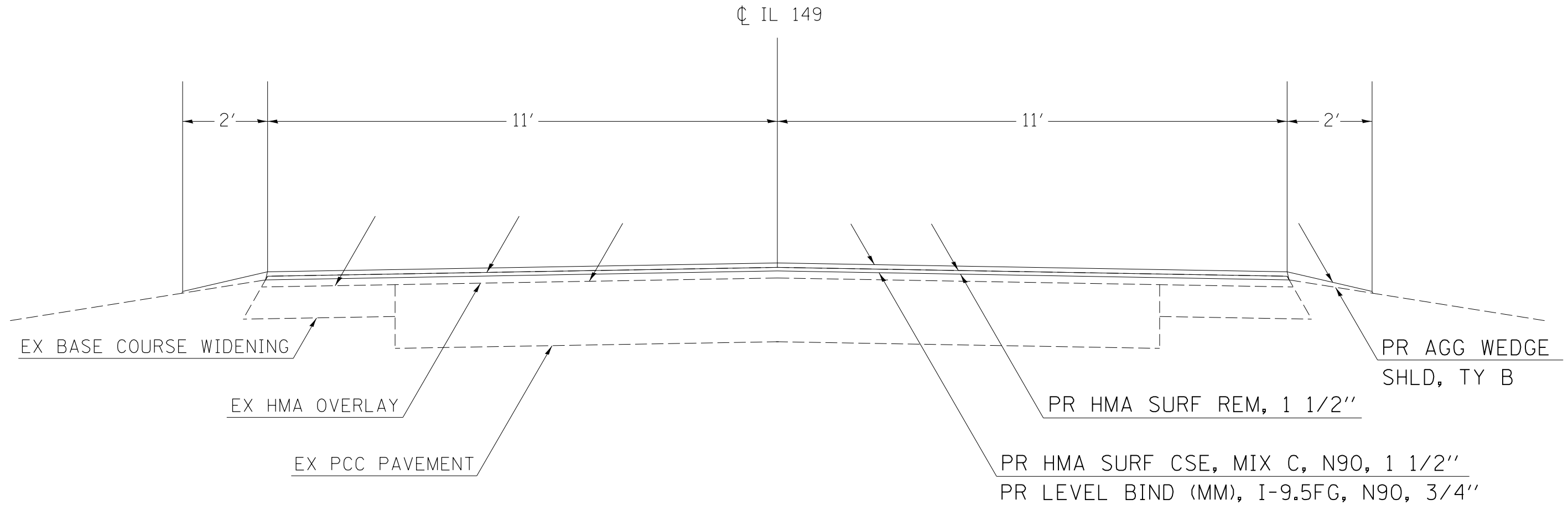


TO BE USED:
 STA 161+12 TO STA 175+78
 STA 182+01 TO STA 195+91

| | | | | | | | | | | | | | |
|------------------------------------------|-------------------------------|------------|-----------|-----------------------------------------------------------|------------------------|-----------|-----------|------|---------------------------|---------|----------|-----------------|--------------|
| FILE NAME = | USER NAME = \$USER\$ | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | TYPICAL SECTION | | | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| et:\pw\work\p\id\k\k\k\k\d\0336015\78358 | 8-sht.pln.dgn | DRAWN - | REVISED - | | | | | | 873 | 105RS-3 | FRANKLIN | 19 | 8 |
| \$MODELNAME\$ | PLOT SCALE = 100.0000' / 1in. | CHECKED - | REVISED - | | CONTRACT NO. 78358 | | | | ILLINOIS FED. AID PROJECT | | | | |
| | PLOT DATE = 3/22/2013 | DATE - | REVISED - | | SCALE: | SHEET NO. | OF SHEETS | STA. | TO STA. | | | | |

TYPICAL SECTION #2

11' LANES

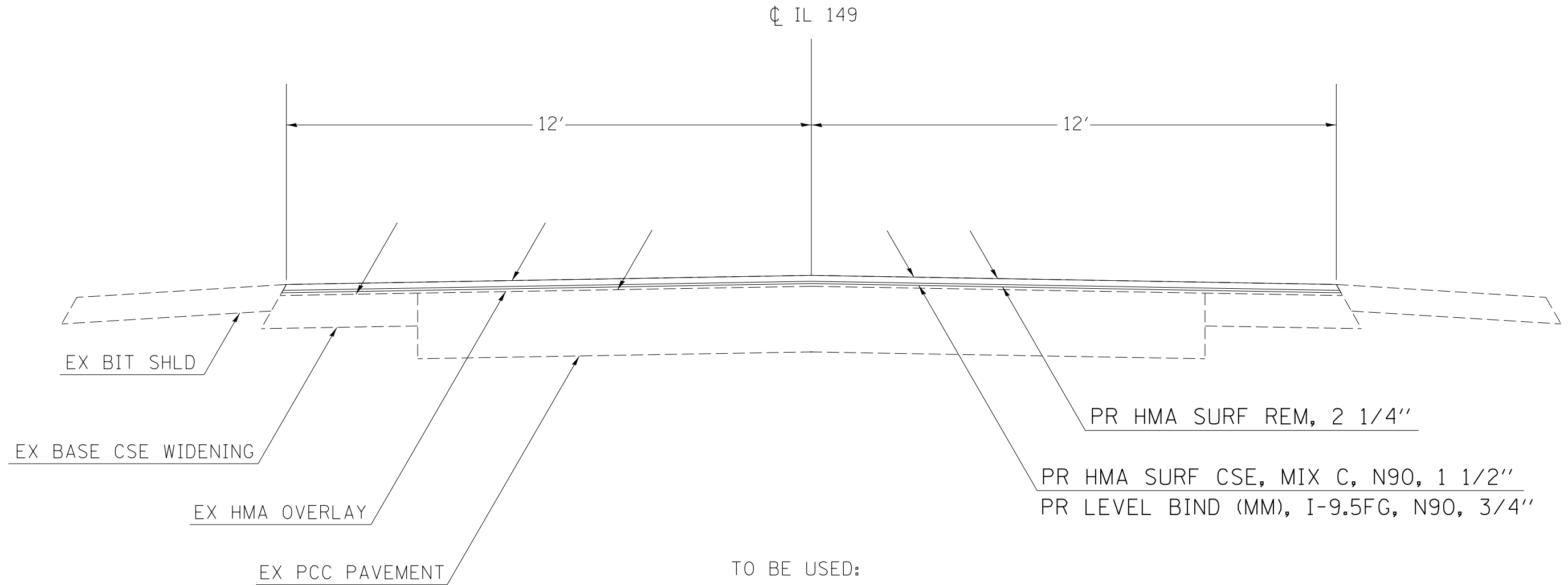


TO BE USED:
STA 196+85 TO STA 238+95

| | | | | | | | | | | | | | |
|--------------------------------------------------|-------------------------------|------------|-----------|-----------------------------------------------------------|------------------------|-----------|-----------|------|-------------|---------------------------|--------|--------------|-----------|
| FILE NAME = | USER NAME = \$USER\$ | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | TYPICAL SECTION | | | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| c:\pwork\pwork\kellykd\0336015\78358-sht.pln.dgn | | DRAWN - | REVISED - | | 873 | 105RS-3 | FRANKLIN | 19 | 9 | | | | |
| \$MODELNAME\$ | PLOT SCALE = 100.0000' / 1in. | CHECKED - | REVISED - | | CONTRACT NO. 78358 | | | | | | | | |
| | PLOT DATE = 3/22/2013 | DATE - | REVISED - | | SCALE: | SHEET NO. | OF SHEETS | STA. | TO STA. | ILLINOIS FED. AID PROJECT | | | |

TYPICAL SECTION #3

INLAY AREAS



TO BE USED:
 STA 175+78 TO STA 178+04
 STA 179+76 TO STA 182+01

| | | | | | | | | | | | | |
|--------------------------------------------------|----------------------|------------|-----------|-----------------------------------------------------------|------------------------|-----------|-----------|---------------------------|---------|----------|--------------|-----------|
| FILE NAME = | USER NAME = \$USER\$ | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | TYPICAL SECTION | | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| c:\pwork\pwork\kellykd\0336015\78358-sht.pln.dgn | | DRAWN - | REVISED - | | | | | 873 | 105RS-3 | FRANKLIN | 19 | 10 |
| \$MODELNAME\$ | | CHECKED - | REVISED - | | CONTRACT NO. 78358 | | | ILLINOIS FED. AID PROJECT | | | | |
| | | DATE - | REVISED - | | SCALE: | SHEET NO. | OF SHEETS | STA. | TO STA. | | | |

RESURFACING SCHEDULE

| LOCATION STATION TO STATION | | | PAVEMENT WIDTH | LENGTH | HMA SURF REM, 1/2" | HMA SURF REM, 1 1/2" | HMA SURF REM, 2 1/4"•• | LEVEL BIND (MM), 1L-9.5 FG, N90 | HMA SURF CSE, MIX "C", N90 | AGG WEDGE SHLD, TY B• | BIT MATL (PC) | AGG PC | HMA SURF REM - BUTT JOINT | TEMP RAMP |
|--------------------------------|----|--------|-------------------|--------|-----------------------|----------------------------|------------------------------|---------------------------------------|----------------------------------|--------------------------|------------------|--------|---------------------------------|-----------|
| | | | FEET | FEET | SO YD | SO YD | SO YD | TON | TON | TON | GAL | TON | SO YD | SO YD |
| 161+12 | TO | 161+47 | 24 | 35 | | | | 9.8 | 1.88 | 8.4 | 0.14 | 93.33 | 17.87 | |
| 161+47 | TO | 175+43 | 24 | 1396 | 3722.67 | | 156.35 | 312.7 | 75.08 | 335.0 | 5.58 | | | |
| 175+43 | TO | 175+78 | 24 | 35 | | 93.33 | 3.92 | 7.8 | 1.88 | 8.4 | 0.14 | | | |
| 175+78 | TO | 178+04 | 24 | 226 | | 602.67 | | 50.6 | | 54.2 | 0.90 | | | |
| 178+04 | TO | 179+76 | OMIT SN 028-0070 | | | | | | | | | | | |
| 179+76 | TO | 182+01 | 24 | 225 | | 600.00 | 25.20 | 50.4 | | 54.0 | 0.90 | | | |
| 182+01 | TO | 182+36 | 24 | 35 | | 93.33 | 3.92 | 7.8 | 1.88 | 8.4 | 0.14 | | | |
| 182+36 | TO | 195+56 | 24 | 1320 | 3520.00 | | 147.84 | 295.7 | 70.99 | 316.8 | 5.28 | | | |
| 195+56 | TO | 195+91 | 24 | 35 | | | | 9.8 | 1.88 | 8.4 | 0.14 | 93.33 | 17.87 | |
| 195+91 | TO | 196+85 | OMIT RAILROAD | | | | | | | | | | | |
| 196+85 | TO | 197+00 | 22 | 15 | | | | 3.9 | 0.62 | 3.3 | 0.06 | 36.67 | 24.44 | |
| 197+00 | TO | 238+80 | 22 | 4180 | | 10217.8 | 429.15 | 858.3 | 171.91 | 919.6 | 15.33 | | | |
| 238+80 | TO | 238+95 | 22 | 15 | | | | 3.9 | 0.62 | 3.3 | 0.06 | 36.67 | 24.44 | |
| TOTALS | | | | | 7243 | 10218 | 1389 | 766 | 1611 | 327 | 1720 | 29 | 260 | 85 |

•EXTRA QUANTITY OF AGGREGATE WEDGE SHOULDER, TYPE B WAS CALCULATED TO ACCOMMODATE THE EXISTING 2" SHOULDER DROP OFF FOR THE ENTIRE LENGTH OF THE PROJECT. THIS SHOULDER TAPERS TO 1/2" ON THE OUTSIDE EDGE.

••THE HOT-MIX ASPHALT REMOVAL - VARIABLE DEPTH AT THE FOLLOWING STATIONS WERE INCLUDED IN THE QUANTITY FOR HOT-MIX ASPHALT REMOVAL, 2 1/4":
 STA 175+43 TO STA 175+78
 STA 182+01 TO STA 182+36

SIDE ROAD / ENTRANCE SCHEDULE

| STATION | LT/RT | SIDE ROAD NAME, PE, CE, OR FE | SURFACE TYPE * | WIDTH @ EOP FOOT | DIST. TO END OF APRON FOOT | WIDTH @ END OF APRON FOOT | SURFACE AREA SQ YD | INCIDENTAL SURFACING TON | BITUMINOUS MATERIALS PRIME COAT GAL | AGGREGATE PRIME COAT TON | ADD WEDGE SHOULDER TYPE B TON |
|------------------|-------|----------------------------------|-------------------|------------------------|----------------------------------|------------------------------------|--------------------------|--------------------------------|----------------------------------------------|--------------------------------|----------------------------------------|
| SIDEROADS | | | | | | | | | | | |
| 212+85 | LT | EUCLUID STREET | O&C | 44 | 15 | 17 | 50.8 | 0.9 | 4.6 | 0.1 | |
| ENTRANCES | | | | | | | | | | | |
| 162+63 | RT | CE | AGG | 37 | 4 | 28 | 14.4 | 0.1 | 1.3 | 0.0 | 0.4 |
| 162+63 | LT | PE | AGG | 36 | 4 | 29 | 14.4 | 0.1 | 1.3 | 0.0 | 0.4 |
| | RT | PE | AGG | 37 | 4 | 36 | 16.2 | 0.2 | 1.5 | 0.0 | 0.5 |
| 205+83 | LT | PE | AGG | 27 | 4 | 22 | 10.9 | 0.1 | 1.0 | 0.0 | 0.3 |
| 212+70 | RT | CE | AGG | 70 | 4 | 65 | 30.0 | 0.2 | 2.7 | 0.0 | 0.8 |
| 231+12 | RT | PE | AGG | 34 | 4 | 32 | 14.7 | 0.1 | 1.3 | 0.0 | 0.4 |
| 238+25 | LT | PE | AGG | 42 | 4 | 25 | 14.9 | 0.1 | 1.3 | 0.0 | 0.3 |
| 238+25 | RT | CE | AGG | 43 | 4 | 32 | 16.7 | 0.1 | 1.5 | 0.0 | 0.4 |
| TOTALS | | | | | | | | 2.0 | 16.5 | 0.3 | 3.4 |

RAISED PAVEMENT MARKERS

| LOCATION STATION TO STATION | | | RAISED REFLECTIVE PAVEMENT MARKERS | RAISED REFLECTIVE PAVEMENT MARKER REMOVAL |
|--------------------------------|----|--------|------------------------------------------|-------------------------------------------------|
| | | | EACH | EACH |
| 161+12 | TO | 178+03 | 22 | 22 |
| 179+76 | TO | 238+95 | 74 | 74 |
| TOTALS | | | 96 | 96 |

WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING

| LOCATION | | | LINE 4 INCH | | | | LINE 24 INCH | LETTERS & SYMBOLS |
|----------------------|----|--------|-------------|-----------------------------------------|------------------------------------------|---------------------|--------------|-------------------|
| | | | SOLID WHITE | SOLID YELLOW LEFT NO PASSING ZONE | SOLID YELLOW RIGHT NO PASSING ZONE | YELLOW SKIP DASH | SOLID WHITE | |
| STA | TO | STA | FOOT | FOOT | FOOT | FOOT | SQ FT | |
| 161+12 | TO | 178+03 | 3382 | | | 430 | | |
| 179+76 | TO | 191+91 | 2430 | | | 304 | | |
| 191+91 | TO | 200+73 | 1764 | 882 | | 220 | | |
| 200+73 | TO | 211+46 | 2146 | | | 268 | | |
| 211+46 | TO | 220+29 | 1766 | | 883 | 220 | | |
| 220+29 | TO | 227+30 | 1402 | 701 | 701 | | | |
| 227+30 | TO | 236+32 | 1804 | 902 | | 226 | | |
| 236+32 | TO | 238+95 | 526 | | | 66 | | |
| 192+16 - 24" LINE | | | | | | 12 | | |
| 192+41 - (1)X & (2)R | | | | | | | 61.2 | |
| 192+66 - 24" LINE | | | | | | 12 | | |
| 195+76 - 24" LINE | | | | | | 12 | | |
| 196+92 - 24" LINE | | | | | | 11 | | |
| 199+96 - 24" LINE | | | | | | 11 | | |
| 199+72 - (1)X & (2)R | | | | | | | 61.2 | |
| 200+46 - 24" LINE | | | | | | 11 | | |
| SUBTOTALS | | | 15220 | 2485 | 1584 | 1734 | 122.4 | |
| TOTALS | | | | | 21023 | 69 | 122.4 | |

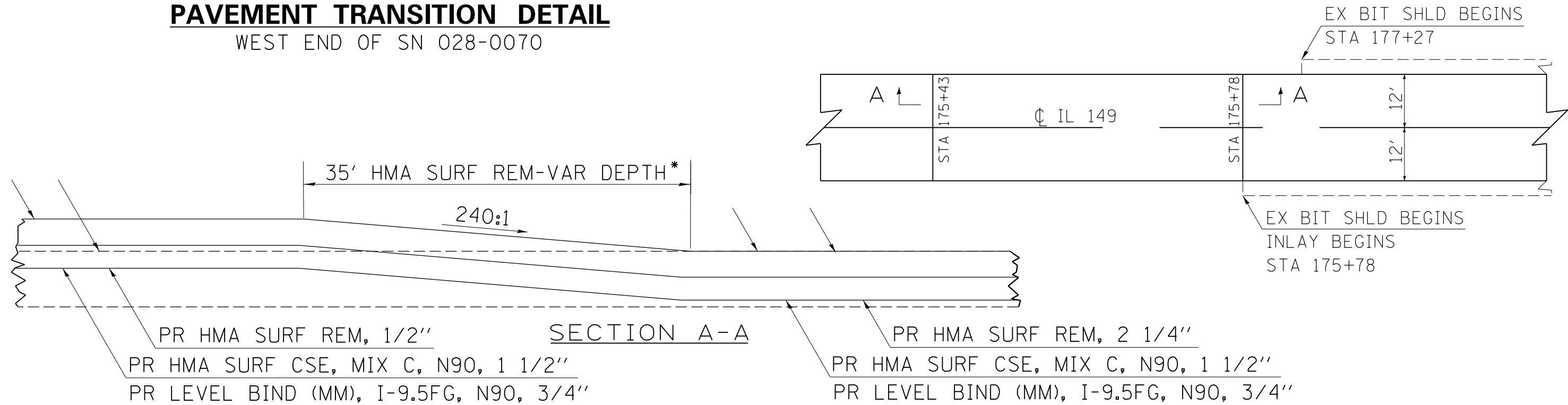
CLASS D PATCHING SCHEDULE

| PATCH # | STATION | RT/LT | WIDTH | LENGTH | TY I | TY II | TY III | TY IV |
|---------|---------|-------|-------|--------|------|-------|--------|-------|
| 1 | 237+60 | RT | 11 | 4 | 4.9 | | | |
| 2 | 225+31 | RT | 11 | 4 | 4.9 | | | |
| 3 | 222+73 | RT | 11 | 4 | 4.9 | | | |
| 4 | 222+55 | RT | 11 | 4 | 4.9 | | | |
| 5 | 221+04 | RT | 11 | 4 | 4.9 | | | |
| 6 | 221+28 | RT | 11 | 4 | 4.9 | | | |
| 7 | 220+10 | RT | 11 | 4 | 4.9 | | | |
| 8 | 219+38 | RT | 11 | 4 | 4.9 | | | |
| 9 | 218+93 | RT | 11 | 4 | 4.9 | | | |
| 10 | 218+63 | RT | 11 | 6 | | 7.3 | | |
| 11 | 217+91 | RT | 11 | 4 | 4.9 | | | |
| 12 | 217+31 | RT | 11 | 4 | 4.9 | | | |
| 13 | 216+13 | RT | 11 | 4 | 4.9 | | | |
| 14 | 207+25 | RT | 11 | 4 | 4.9 | | | |
| 15 | 207+00 | RT | 11 | 6 | | 7.3 | | |
| 16 | 204+10 | RT | 4 | 90 | | | | 40.0 |
| 17 | 200+73 | RT | 11 | 4 | 4.9 | | | |
| 18 | 199+92 | RT | 11 | 4 | 4.9 | | | |
| 19 | 198+33 | RT | 11 | 4 | 4.9 | | | |
| 20 | 195+68 | RT | 12 | 4 | | 5.3 | | |
| 21 | 195+56 | RT | 12 | 7 | | 9.3 | | |
| 22 | 190+29 | RT | 12 | 11 | | 14.7 | | |
| 23 | 189+50 | RT | 12 | 9 | | 12.0 | | |
| 24 | 185+97 | RT | 12 | 4 | | 5.3 | | |
| 25 | 183+02 | RT | 12 | 9 | | 12.0 | | |
| 26 | 182+79 | RT | 12 | 7 | | 9.3 | | |
| 27 | 182+00 | RT | 12 | 9 | | 12.0 | | |
| 28 | 175+93 | RT | 12 | 8 | | 10.7 | | |
| 29 | 170+08 | RT | 12 | 6 | | 8.0 | | |
| 30 | 164+76 | RT | 13 | 16 | | | 23.1 | |
| 31 | 163+87 | RT | 13 | 4 | | 5.8 | | |
| 32 | 237+60 | LT | 11 | 4 | 4.9 | | | |
| 33 | 231+50 | LT | 4 | 10 | 4.4 | | | |
| 34 | 230+15 | LT | 4 | 5 | 2.2 | | | |
| 35 | 225+31 | LT | 11 | 4 | 4.9 | | | |
| 36 | 222+73 | LT | 11 | 4 | 4.9 | | | |
| 37 | 222+55 | LT | 11 | 4 | 4.9 | | | |
| 38 | 221+04 | LT | 11 | 4 | 4.9 | | | |
| 39 | 221+28 | LT | 11 | 4 | 4.9 | | | |
| 40 | 220+10 | LT | 11 | 4 | 4.9 | | | |
| 41 | 219+38 | LT | 11 | 4 | 4.9 | | | |
| 42 | 218+93 | LT | 11 | 5 | | 6.1 | | |

| PATCH # | STATION | RT/LT | WIDTH | LENGTH | TY I | TY II | TY III | TY IV |
|---------------|---------|-------|-------|--------|-------|-------|--------|-------|
| 43 | 218+63 | LT | 11 | 7 | | 8.6 | | |
| 44 | 217+91 | LT | 11 | 4 | 4.9 | | | |
| 45 | 217+31 | LT | 11 | 4 | 4.9 | | | |
| 46 | 216+13 | LT | 11 | 4 | 4.9 | | | |
| 47 | 211+75 | LT | 11 | 5 | | 6.1 | | |
| 48 | 207+25 | LT | 11 | 4 | 4.9 | | | |
| 49 | 207+00 | LT | 11 | 6 | | 7.3 | | |
| 50 | 206+30 | LT | 11 | 4 | 4.9 | | | |
| 51 | 202+27 | LT | 4 | 18 | | 8.0 | | |
| 52 | 202+07 | LT | 11 | 36 | | | | 44.0 |
| 53 | 200+73 | LT | 11 | 4 | 4.9 | | | |
| 54 | 199+92 | LT | 11 | 4 | 4.9 | | | |
| 55 | 198+33 | LT | 11 | 4 | 4.9 | | | |
| 56 | 195+45 | LT | 12 | 4 | | 5.3 | | |
| 57 | 195+37 | LT | 12 | 5 | | 6.7 | | |
| 58 | 194+45 | LT | 12 | 4 | | 5.3 | | |
| 59 | 194+37 | LT | 12 | 4 | | 5.3 | | |
| 60 | 191+29 | LT | 12 | 4 | | 5.3 | | |
| 61 | 190+29 | LT | 12 | 11 | | 14.7 | | |
| 62 | 189+50 | LT | 12 | 4 | | 5.3 | | |
| 63 | 187+47 | LT | 12 | 6 | | 8.0 | | |
| 64 | 185+97 | LT | 12 | 4 | | 5.3 | | |
| 65 | 184+03 | LT | 12 | 13 | | | 17.3 | |
| 66 | 183+02 | LT | 12 | 10 | | 13.3 | | |
| 67 | 175+93 | LT | 12 | 8 | | 10.7 | | |
| 68 | 171+87 | LT | 12 | 11 | | 14.7 | | |
| 69 | 171+02 | LT | 12 | 5 | | 6.7 | | |
| 70 | 170+08 | LT | 12 | 4 | | 5.3 | | |
| 71 | 169+64 | LT | 12 | 4 | | 5.3 | | |
| 72 | 164+76 | LT | 13 | 16 | | | 23.1 | |
| 73 | 163+87 | LT | 13 | 4 | | 5.8 | | |
| TOTALS | | | | | 163.4 | 278.1 | 63.5 | 84.0 |

PAVEMENT TRANSITION DETAIL

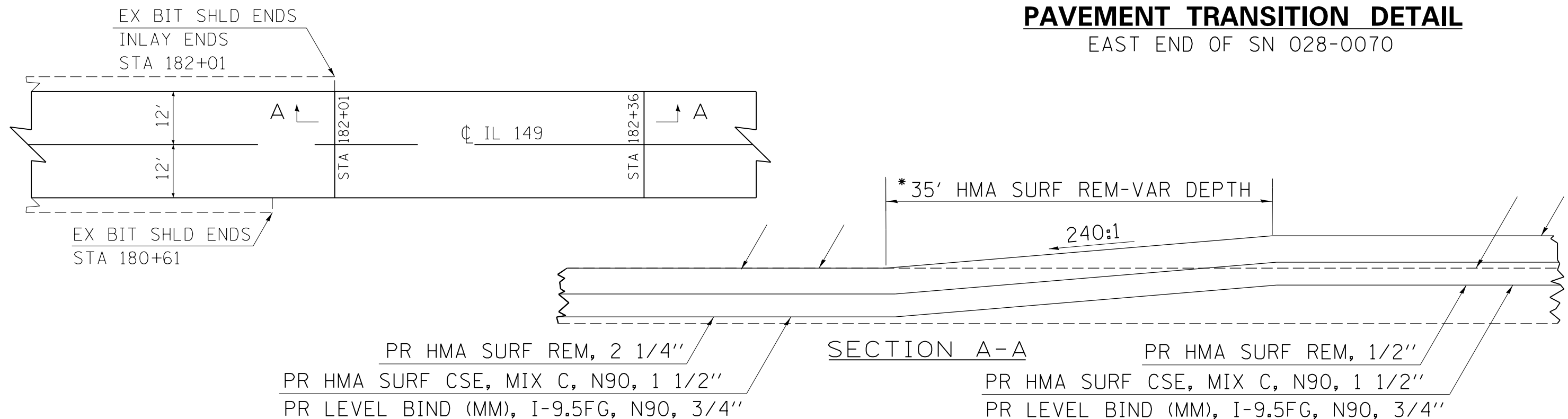
WEST END OF SN 028-0070



* HOT-MIX ASPHALT SURFACE REMOVAL-VARIABLE DEPTH SHALL BE INCLUDED IN THE COST OF HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4".

PAVEMENT TRANSITION DETAIL

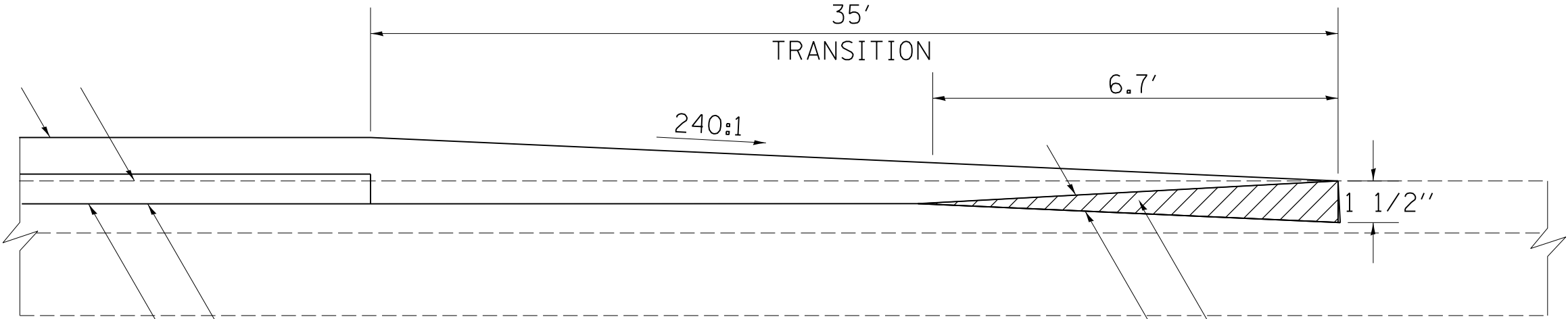
EAST END OF SN 028-0070



* HOT-MIX ASPHALT SURFACE REMOVAL-VARIABLE DEPTH SHALL BE INCLUDED IN THE COST OF HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4".

| | | | | | | | | | | | | |
|------------------------------------------------------|------------------------------|------------|-----------|-----------------------------------------------------------|-----------------------------------------|--|--|--------------------|---------|----------|--------------|-----------|
| FILE NAME = | USER NAME = \$USER\$ | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | PAVEMENT TRANSITION DETAIL | | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| et:\pw\work\p\idot\kellykd\0336015\78358-sht-pln.dgn | | DRAWN - | REVISED - | | | | | 873 | 105R5-3 | FRANKLIN | 19 | 15 |
| \$MODELNAME\$ | PLOT SCALE = 100.0000' / in. | CHECKED - | REVISED - | | SCALE: SHEET NO. OF SHEETS STA. TO STA. | | | CONTRACT NO. 78358 | | | | |
| | PLOT DATE = 3/22/2013 | DATE - | REVISED - | | ILLINOIS FED. AID PROJECT | | | | | | | |

DETAIL HMA SURFACE REMOVAL - BUTT JOINT



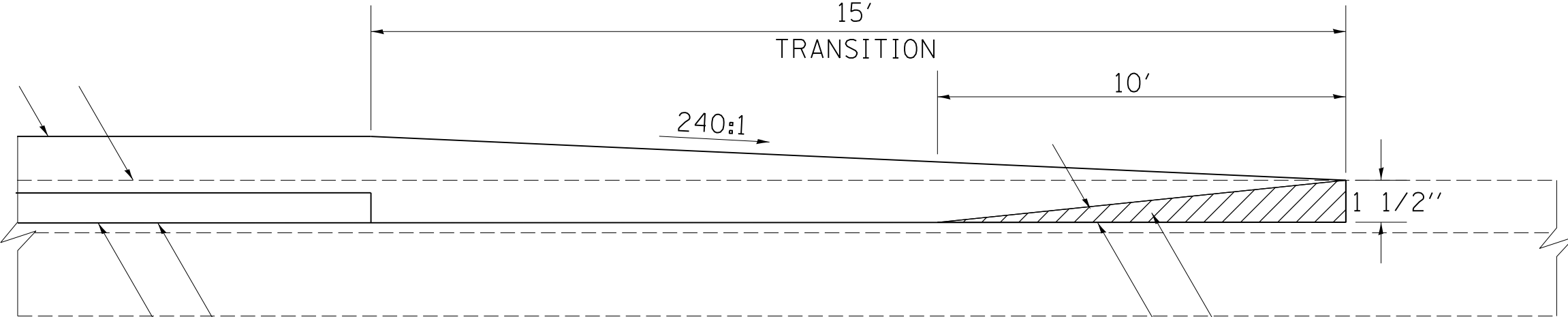
PR HMA SURF REM, 1/2"
 PR HMA SURF CSE, MIX C, N90, 1 1/2"
 PR LEVEL BIND (MM), I-9.5FG, N90, 3/4"

PR HMA SURF REM-BUTT JOINT

PR TEMP RAMP 80:1

TO BE USED:

STA 161+12 TO STA 161+47
 STA 195+56 TO STA 195+91



PR HMA SURF REM, 1 1/2"
 PR HMA SURF CSE, MIX C, N90, 1 1/2"
 PR LEVEL BIND (MM), I-9.5FG, N90, 3/4"

PR HMA SURF REM-BUTT JOINT

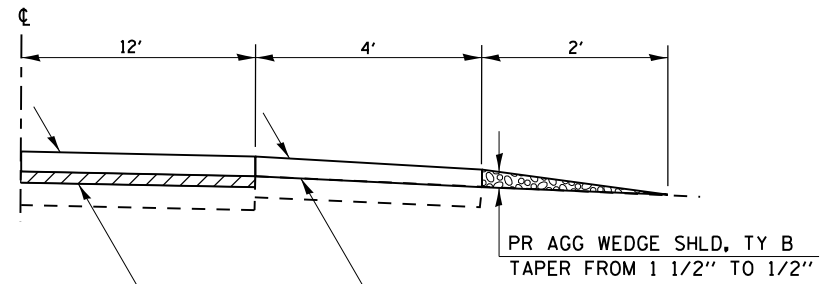
PR TEMP RAMP 80:1

TO BE USED:

STA 196+85 TO STA 197+00
 STA 238+80 TO STA 238+95

| | | | | | | | | | | |
|-------------------------------------------------------|------------------------------|------------|-----------|-----------------------------------------------------------|---------------------------|----------------------------------|---------|--------------------|--------------|-----------|
| FILE NAME = | USER NAME = \$USER* | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | BUTT JOINT DETAILS | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| ct:\pw\work\p\dot\k\elleykd\0336015\78358-sht.pln.dgn | | DRAWN - | REVISED - | | | 873 | 105R5-3 | FRANKLIN | 19 | 16 |
| \$MODELNAME* | PLOT SCALE = 100.0000' / in. | CHECKED - | REVISED - | | SCALE: | SHEET NO. OF SHEETS STA. TO STA. | | CONTRACT NO. 78358 | | |
| | PLOT DATE = 3/22/2013 | DATE - | REVISED - | | ILLINOIS FED. AID PROJECT | | | | | |

SIDEROAD AND ENTRANCE DETAILS



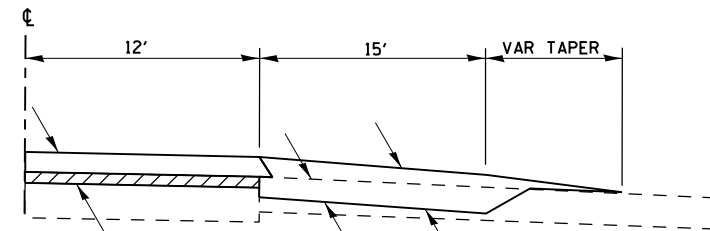
PR INC HMA SURF
1 3/4" TO 1 1/2"

PR HMA SURF REM, 1/2"

PR HMA SURF CSE, MIX C, N90, 1 1/2"

PR LEVEL BIND (MM), IL-9.5FG, N90, 3/4"

TO BE USED:
PE, CE, FE SEC. A-A
EX AGG SURF WITH HMA APRON
STA 161+12 TO STA 195+91



PR HMA SURF REM, 1/2"

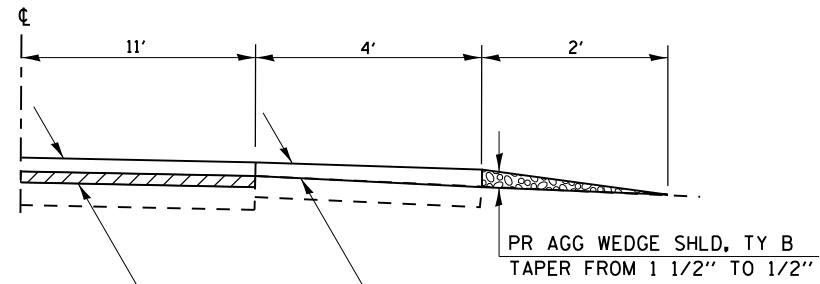
PR HMA SURF CSE, MIX C, N90, 1 1/2"

PR LEVEL BIND (MM), IL-9.5FG, N90, 3/4"

PR INCIDENTAL
HMA SURF, 3"

VAR SHAPING AS DIRECTED
BY THE ENGINEER (SEE NOTE 2)

TO BE USED:
SIDE ROAD SEC. B-B
EX OIL & CHIP SURF
STA 161+12 TO STA 195+91
(SEE NOTE 1)



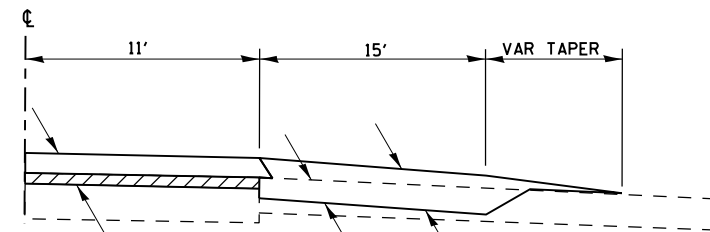
PR INC HMA SURF
3/4" TO 1 1/2"

PR HMA SURF REM, 1 1/2"

PR HMA SURF CSE, MIX C, N90, 1 1/2"

PR LEVEL BIND (MM), IL-9.5FG, N90, 3/4"

TO BE USED:
PE, CE, FE SEC. A-A
EX AGG SURF WITH HMA APRON
STA 196+85 TO STA 238+95



PR HMA SURF REM, 1 1/2"

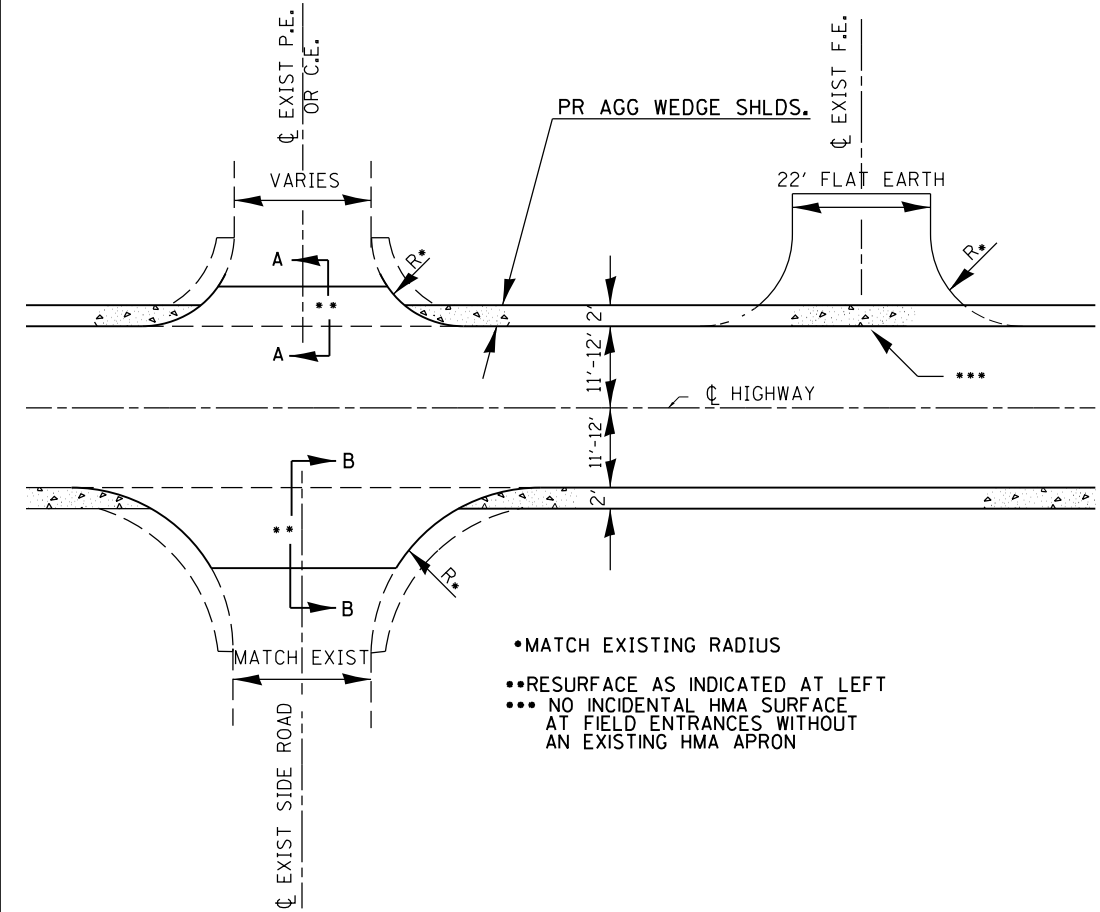
PR HMA SURF CSE, MIX C, N90, 1 1/2"

PR LEVEL BIND (MM), IL-9.5FG, N90, 3/4"

PR INCIDENTAL
HMA SURF, 3"

VAR SHAPING AS DIRECTED
BY THE ENGINEER (SEE NOTE 2)

TO BE USED:
SIDE ROAD SEC. B-B
EX OIL & CHIP SURF
STA 196+85 TO STA 238+95
(SEE NOTE 1)



- MATCH EXISTING RADIUS
- RESURFACE AS INDICATED AT LEFT
- NO INCIDENTAL HMA SURFACE AT FIELD ENTRANCES WITHOUT AN EXISTING HMA APRON

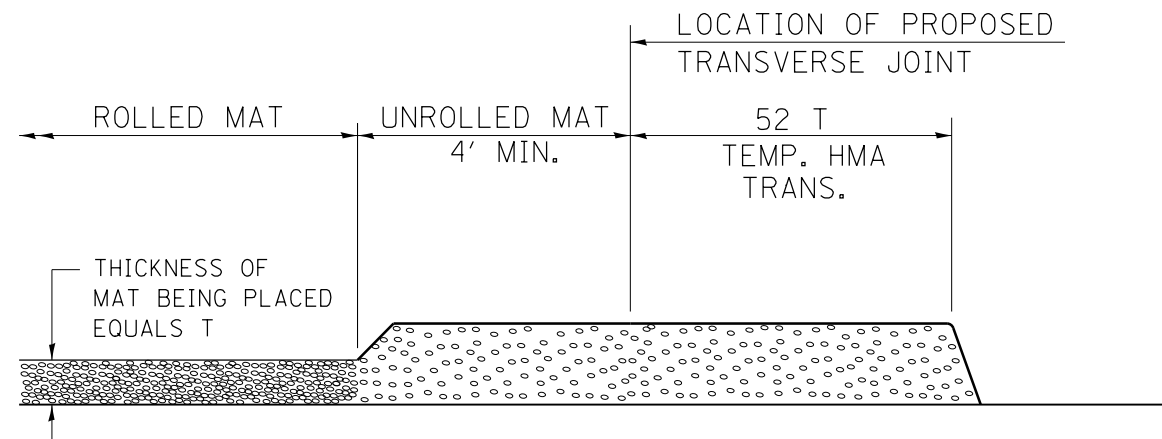
SEE SIDEROAD/ENTRANCE SCHEDULE FOR LOCATIONS

NOTES

- IF EXISTING SUBBASE IS INADEQUATE, AS DETERMINED BY THE ENGINEER, THE SIDE ROADS SHALL BE CORED OUT AND AGGREGATE SUBBASE, TYPE B SHALL BE PLACED FOR BASE. THE COST OF CORING OUT THE SIDE ROAD AND ANY AGGREGATE BASE COURSE SHALL BE PAID FOR AS SPECIFIED IN ART. 109.04 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. IF EXISTING SUBBASE IS DETERMINED TO BE ADEQUATE, THE PREPARATION OF THE BASE SHALL BE CONSTRUCTED ACCORDING TO ARTICLE 406.09.
- VARIABLE SHAPING IS INCLUDED IN THE COST OF INCIDENTAL HOT-MIX ASPHALT SURFACE.

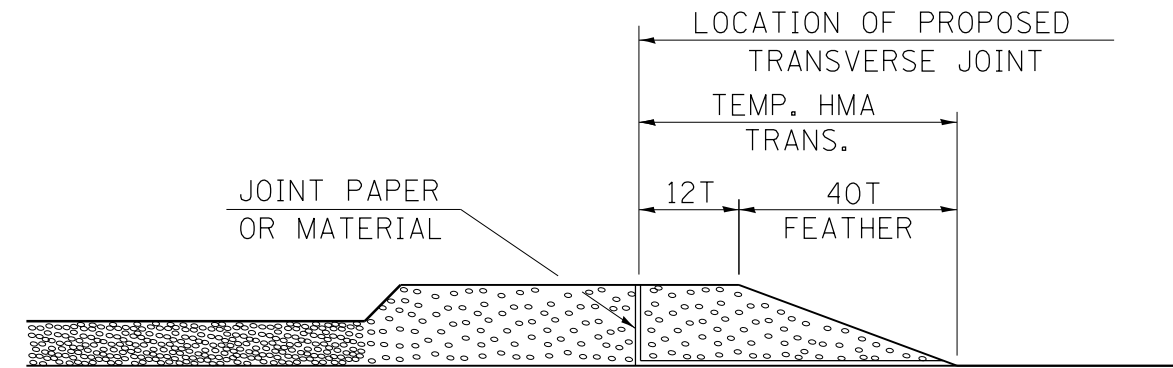
| | | | | | | | | | | | | |
|-------------------------------------------------------|-----------------------------|------------|-----------|-----------------------------------------------------------|--------------------------------------|--|--|-------------|---------|----------|--------------|-----------|
| FILE NAME = | USER NAME = \$USER\$ | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | SIDEROAD AND ENTRANCE DETAILS | | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| et:\pw\work\p\idot\kellaykd\0336015\78358-sht-pln.dgn | | DRAWN - | REVISED - | | | | | 873 | 105R5-3 | FRANKLIN | 19 | 17 |
| \$MODELNAME\$ | PLOT SCALE = 100.0000' / 1" | CHECKED - | REVISED - | | CONTRACT NO. 78358 | | | | | | | |
| | PLOT DATE = 3/22/2013 | DATE - | REVISED - | | ILLINOIS FED. AID PROJECT | | | | | | | |

TEMPORARY HOT-MIX ASPHALT TRANSITIONS



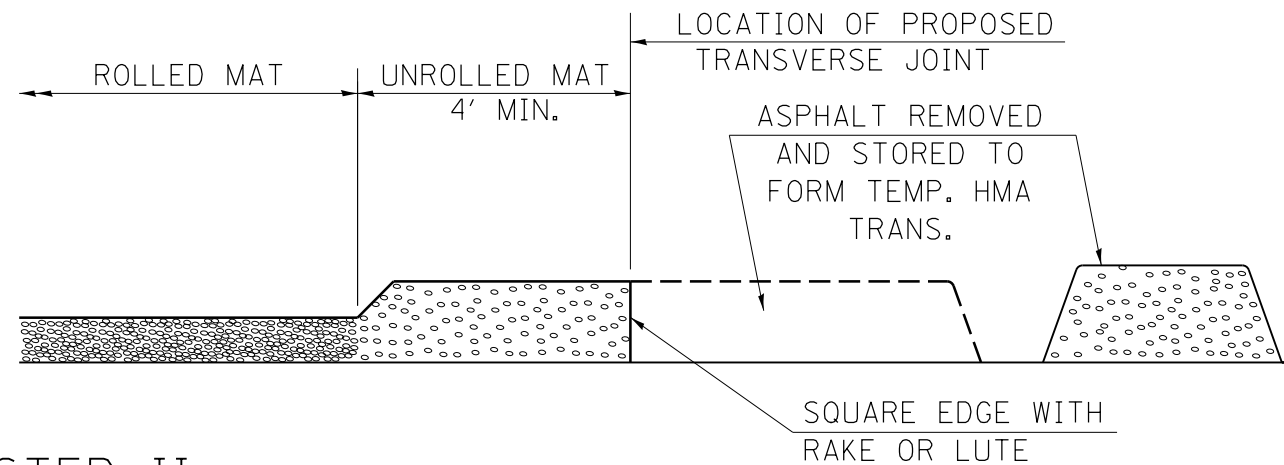
STEP I

1. PLACE HOT-MIX ASPHALT MAT, LENGTH 52 TIMES THE THICKNESS OF THE MAT BEING PLACED PAST THE PROPOSED TRANSVERSE JOINT LOCATION USING NORMAL OPERATING PROCEDURES.
2. EXTREME CARE SHOULD BE TAKEN TO MAINTAIN ENOUGH MATERIAL IN FRONT OF THE SCREED TO MAINTAIN REQUIRED PAVING DEPTH.



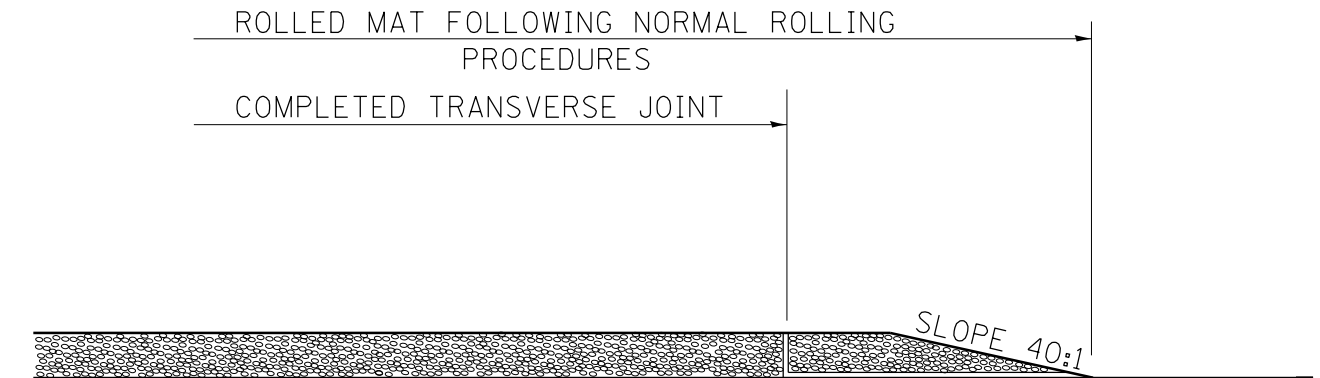
STEP III

1. JOINT PAPER OR OTHER PRESELECTED JOINT MATERIAL IS THEN PLACED IN THE CLEARED AREA AND THE EXCESS ASPHALT USED TO HAND FORM A TRANSITION TO THE DIMENSIONS SHOWN ABOVE.
2. NOTE THAT IN CONSTRUCTING THE TRANSITION, THE MAT DEPTH IS CONTINUED AS PART OF THE TRANSITION BEFORE FORMING THE FEATHER.



STEP II

1. MOVE THE PAVER OUT OF THE WAY AND REMOVE THE ASPHALT FROM THE AREA OF THE PROPOSED TEMPORARY HOT-MIX ASPHALT TRANSITION.
2. SQUARE UP THE END OF THE MAT WITH A RAKE OR LUTE.
3. NOTE THAT THE MAT WITHIN 4' OF THE END OF JOINT IS NOT TO BE ROLLED AT THIS TIME.



STEP IV

1. COMPLETE TEMPORARY TRANSITION BY ROLLING.
2. TO RESUME PAVING, AT THE JOINT, REMOVE TEMPORARY TRANSITION AND DISPOSE OF THE MATERIAL ACCORDING TO ART. 202.03 OF THE STD. SPECS. (COST INCLUDED IN THE CONTRACT).
3. CONSTRUCTING THE TEMPORARY TRANSITIONS WILL NOT BE PAID FOR SEPARATELY.

REVISIONS

| | |
|---------|----------|
| REDRAWN | 2-15-89 |
| REVISED | 8-16-94 |
| REVISED | 01-09-07 |
| RESIZED | 05-8-08 |

STD. 9-26

| | | | |
|-------------------------------------------------------|-------------------------------|------------|-----------|
| FILE NAME = | USER NAME = \$USER\$ | DESIGNED - | REVISED - |
| ct:\pw\work\p\dot\k\elleykd\0336015\78358-sht-pln.dgn | | DRAWN - | REVISED - |
| \$MODELNAME\$ | PLOT SCALE = 100.0000' / 1in. | CHECKED - | REVISED - |
| | PLOT DATE = 3/22/2013 | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

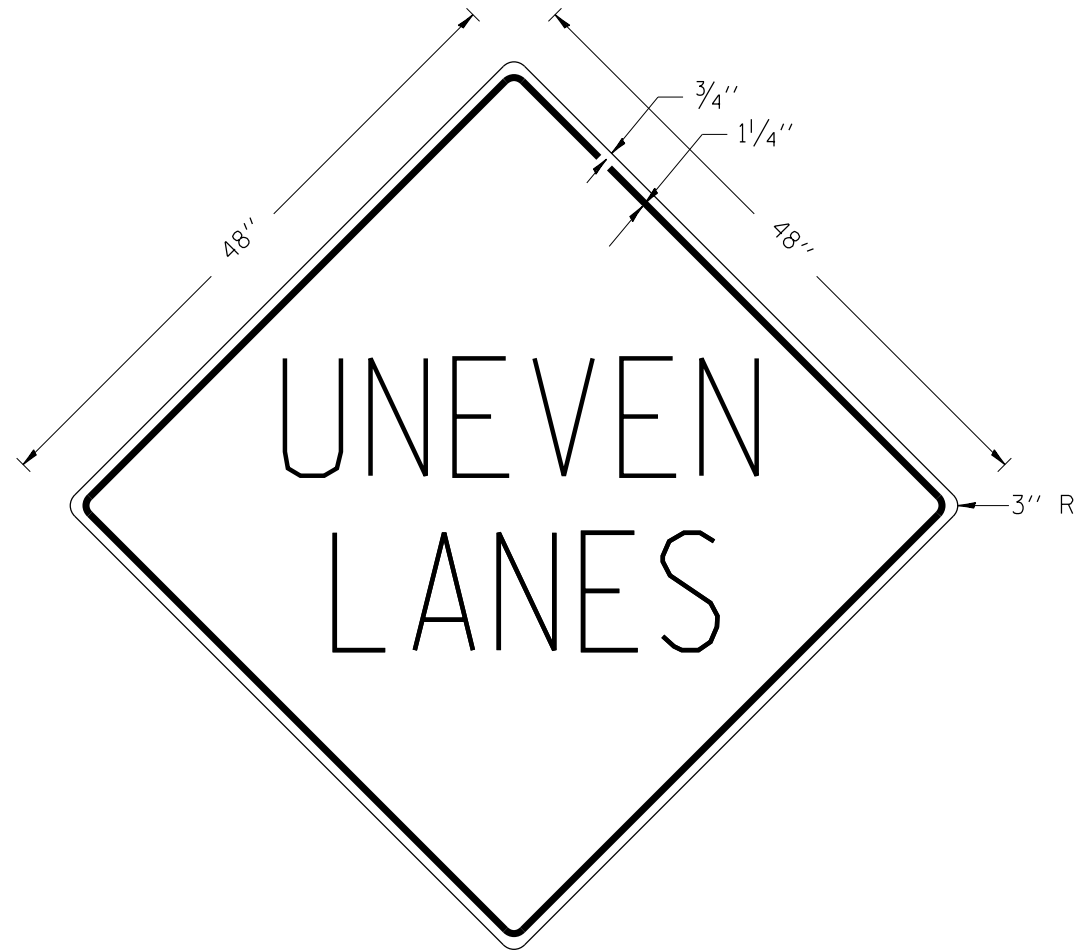
TEMPORARY HOT-MIX ASPHALT TRANSITIONS DETAIL

SCALE: SHEET NO. OF SHEETS STA. TO STA.

| | | | | |
|---------------------------|---------|----------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 873 | 105R5-3 | FRANKLIN | 19 | 18 |
| CONTRACT NO. 78358 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

UNEVEN LANES SIGN

W8-11 (48" x 48")



COLORS:

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

NOTE: PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED 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 REQUIRED. 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.

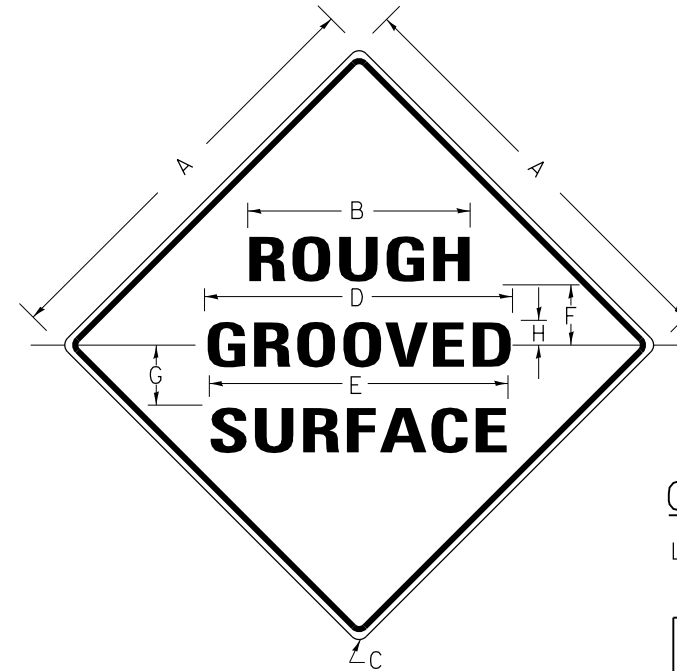
REVISIONS

| | |
|-----------|---------|
| DRAWN | 2-15-89 |
| REVISED | 4-06-93 |
| REDSIGNED | |
| RESIZED | |

STD. 9-41

ILLINOIS STANDARD

W8-I106



COLORS:

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

| SIGN SIZE | DIMENSIONS | | | | | | | |
|-----------|------------|------|-----|------|------|-----|------|-----|
| | A | B | C | D | E | F | G | H |
| 48X48 | 48.0 | 24.1 | 3.0 | 34.0 | 33.0 | 6.0 | 13.0 | 3.5 |

| SIGN SIZE | SERIES LINES | | | MAR-GIN | BOR-DER | BLANK STD. |
|-----------|--------------|----|----|---------|---------|------------|
| | 1 | 2 | 3 | | | |
| 48X48 | 7C | 7C | 7C | 0.8 | 1.2 | B4-48D |

ALL DIMENSIONS IN INCHES

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 | |
| REVISED | |

STD. 9-39