

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|------------------|------------|--------------------|-----------|
| 72/172 | D6 PATCHING 2017 | ADAMS/PIKE | 6 | 1 |
| ILLINOIS | | | CONTRACT NO. 72J21 | |

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROPOSED IMPROVEMENTS

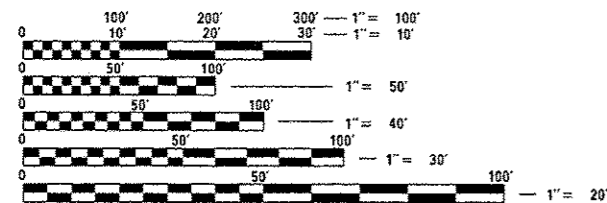
FAI 72, FAI 172 (I 72, I 172)
D6 PATCHING 2017
PATCHING

ADAMSPIKE CO.

C-96-059-16



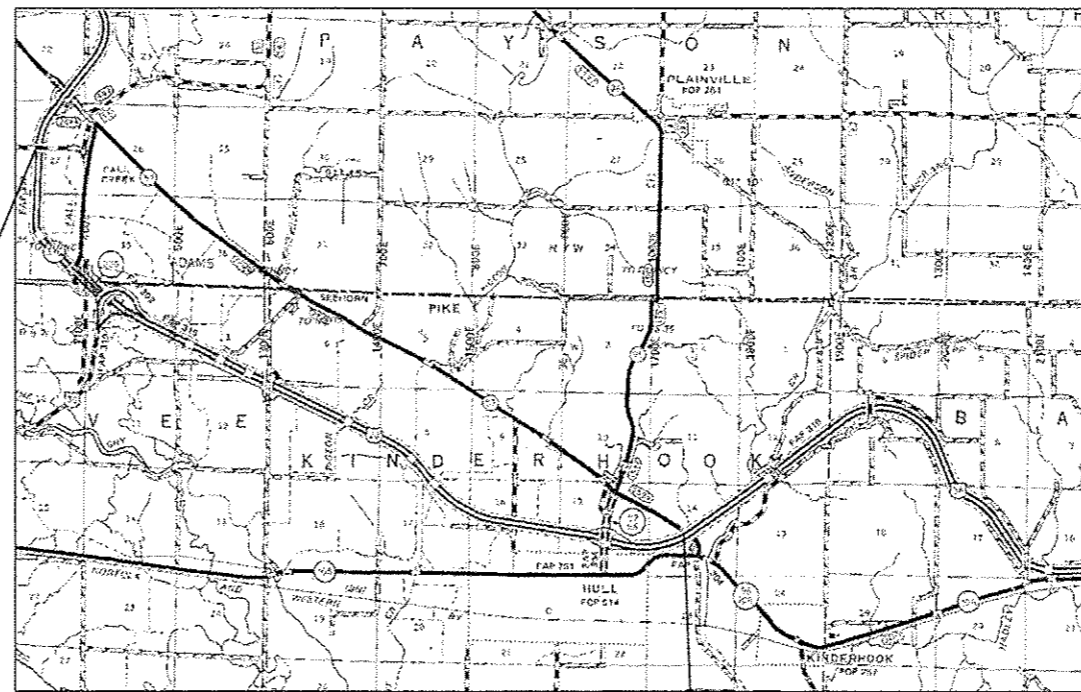
ADT = 6,600
SU = 900
MU = 1,250



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

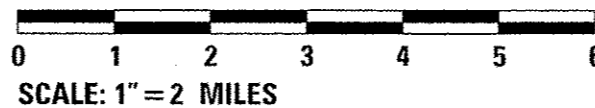
BEGIN PROJECT



END PROJECT

PROJECT ENGINEER : MIKE IRWIN - (217)524-7765
PROJECT MANAGER : TIM SHARP - (217)524-9160

CONTRACT NO. 72J21



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED May 27 2016
[Signature] REGION FOUR ENGINEER

July 1 2016
Mauden M. Addis PE, EIT
ENGINEER OF DESIGN AND ENVIRONMENT

July 1 2016
[Signature] PE, EIT
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

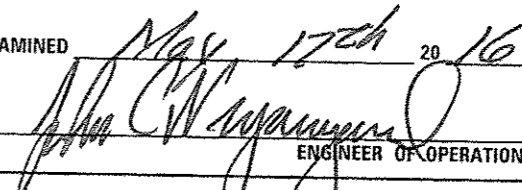
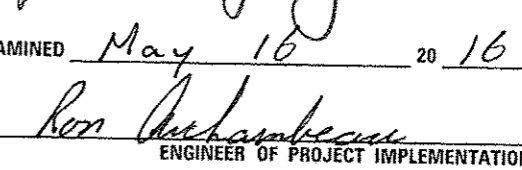
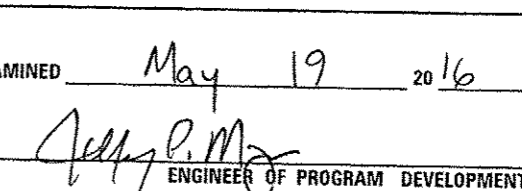
INDEX OF SHEETS

| SHEET NO. | DESCRIPTION |
|-----------|---|
| 1. | COVER SHEET |
| 2. | INDEX OF SHEETS, STANDARDS, GENERAL NOTES & SIGNATURE |
| 3. | SUMMARY OF QUANTITIES |
| 4. | PATCHING SCHEDULE |
| 5. | PROJECT LOCATION MAP |
| 6. | PROJECT TYPICAL SECTIONS |

STANDARDS

| STANDARD NO. | DESCRIPTION |
|--------------|--|
| 442001-04 | CLASS A PATCHES |
| 701101-05 | OFF-RD OPERATIONS MULTILANE, 15' TO 24" FROM EDGE OF PAVEMENT |
| 701106-02 | OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' AWAY |
| 701400-08 | APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY |
| 701406-10 | LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY |
| 701411-09 | LANE CLOSURE, MULTILANE AT ENTRANCE OR EXIT RAMP FOR SPEEDS > 45 MPH |
| 701456-03 | PARTIAL EXIT RAMP CLOSURE, FREEWAY/EXPRESSWAY |
| 701901-05 | TRAFFIC CONTROL DEVICES |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
DISTRICT 6**

| |
|--|
| EXAMINED <u>May 17th</u> 20 <u>16</u> |
|  ENGINEER OF OPERATIONS |
| EXAMINED <u>May 16</u> 20 <u>16</u> |
|  ENGINEER OF PROJECT IMPLEMENTATION |
| EXAMINED <u>May 19</u> 20 <u>16</u> |
|  ENGINEER OF PROGRAM DEVELOPMENT |

| MIXTURE REQUIREMENTS | | |
|--|-----------------|------------------|
| THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT | | |
| LOCATION: | SHOULDER REPAIR | STRUCTURE REPAIR |
| MIXTURE USE(S): | LOWER LIFT | TOP LIFT |
| AC/PG: | PG 64-22 | PG 64-22 |
| DESIGN AIR VOIDS: | 4.0% @ N50 | 4.0% @ N50 |
| MIXTURE COMPOSITION: | IL 19.0 | IL 9.5 |
| FRICTION AGGREGATE: | N/A | MIX "C" |

| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | 0-01623-6006 | 0-01623-6005 |
|----------|--|--------|----------------|--------------------|--------------------|
| | | | | ADAMS | PIKE |
| | | | | 100% STATE ROADWAY | 100% STATE ROADWAY |
| | | | | 0005 RURAL | 0005 RURAL |
| 44200541 | CLASS A PATCHES, TYPE II, 9 INCH | SQ YD | 450.67 | 173.34 | 277.33 |
| 44200545 | CLASS A PATCHES, TYPE III, 9 INCH | SQ YD | 66.67 | 50.67 | 16.00 |
| 44200547 | CLASS A PATCHES, TYPE IV, 9 INCH | SQ YD | 86.67 | 86.67 | 0 |
| 44213000 | PATCHING REINFORCEMENT | SQ YD | 604 | 310.67 | 293.33 |
| 44213200 | SAW CUTS | FOOT | 3,402 | 1,522.0 | 1,880.0 |
| 44213204 | TIE BARS 3/4" | EACH | 13 | 13 | 0 |
| 67100100 | MOBILIZATION | LSUM | 1.0 | 0.5 | 0.5 |
| 70100420 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701411 | EACH | 2 | 0 | 2 |
| 70100700 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701406 | LSUM | 1.0 | 0.5 | 0.5 |
| 70100825 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701456 | LSUM | 1.0 | 0.5 | 0.5 |
| 70103815 | TRAFFIC CONTROL SURVEILLANCE | CAL DA | 30.0 | 15.0 | 15.0 |
| 70106800 | CHANGEABLE MESSAGE SIGN | CAL MO | 1.0 | 0.5 | 0.5 |
| X4820110 | HOT-MIX ASPHALT SHOULDER REMOVAL AND REPLACEMENT (SPECIAL) | SQ YD | 100.0 | 50.0 | 50.0 |
| X7010410 | SPEED DISPLAY TRAILER | CAL MO | 0.5 | 0.25 | 0.25 |

FILE NAME * USER NAME * sharptd
 S:\CONTRACTS\CD0\72J21 - 1-72-11-172 - CLASS A PATCHING - ADAMS-PIKE CO\PLANS\06721
 2D\RAW\500.dgn DMS
 PLOT SCALE = 40.0000 "/ in.
 PLOT DATE = 5/23/2016
 DESIGNED - _____
 CHECKED - _____
 DATE - _____
 REVISED - _____
 REVISED - _____
 REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|------------------|------------|--------------|-----------|
| 72/172 | 06 PATCHING 2017 | ADAMS-PIKE | 6 | 3 |
| CONTRACT NO. 72J21 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



BEGIN PROJECT



END PROJECT

| | | | |
|---|---|----------------|-----------|
| FILE NAME * | USER NAME * shorptd | DESIGNED - | REVISED - |
| S:\CONTAMINT.CAD\72J21 - 1-72+1-172 - C | CLASS A PATCHING - ADAMS-PIKE CO\PLANS\0672 | DRAWN plonadgn | REVISED - |
| Default | PLLOT SCALE * 40,0000' / 1" | CHECKED - | REVISED - |
| | PLLOT DATE : 5/13/2016 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION MAP

SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|------------------|------------|--------------|-----------|
| 72/172 | 06 PATCHING 2017 | ADAMS-PIKE | 4 | 6 |
| CONTRACT NO. 72J21 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

| I-172 Adams County | | | | | | | | | | | |
|---|------------|--------|---------|-----------|--------------|--------|--------|-------|--------------------|--------------------------|-----------------------------|
| CLASS A PATCH | | | | | | | | | Saw Cut Foot | Tie Bars 3/4" Each | Patch Reinforce Sy.Yd |
| Mile | Length(ft) | | | Width(ft) | Area (sy) | TY II | TY III | TY IV | | | |
| Marker | Passing | Middle | Driving | Layout | | | | | | | |
| I172 Northbound-starting at Adams-Pike county line | | | | | | | | | | | |
| 1.3 | | | 6.00 | 12.00 | 8.00 | 8.00 | - | - | 60.0 | | 8.00 |
| 1.8 | | | 10.00 | 12.00 | 13.33 | 13.33 | - | - | 68.0 | | 13.33 |
| I172-Southbound-starting at Adams-Pike county line | | | | | | | | | | | |
| 0.2 | 6.00 | | | 12.00 | 8.00 | 8.00 | - | - | 60.0 | | 8.00 |
| 0.2 | | | 6.00 | 12.00 | 8.00 | 8.00 | - | - | 60.0 | | 8.00 |
| 0.4 | 25.00 | | | 12.00 | 33.33 | - | - | 33.33 | 98.0 | 13 | 33.33 |
| 0.4 | | | 14.00 | 12.00 | 18.67 | - | 18.67 | - | 76.0 | | 18.67 |
| 0.4 | | | 10.00 | 12.00 | 13.33 | 13.33 | - | - | 68.0 | | 13.33 |
| 0.5 | | | 6.00 | 12.00 | 8.00 | 8.00 | - | - | 60.0 | | 8.00 |
| 0.5 | | | 8.00 | 12.00 | 10.67 | 10.67 | - | - | 64.0 | | 10.67 |
| 0.5 | | | 12.00 | 12.00 | 16.00 | - | 16.00 | - | 72.0 | | 16.00 |
| 0.5 | | | 8.00 | 12.00 | 10.67 | 10.67 | - | - | 64.0 | | 10.67 |
| 0.5 | | | 12.00 | 12.00 | 16.00 | - | 16.00 | - | 72.0 | | 16.00 |
| 0.5 | | | 10.00 | 12.00 | 13.33 | 13.33 | - | - | 68.0 | | 13.33 |
| 0.5 | | | 20.00 | 12.00 | 26.67 | - | - | 26.67 | 88.0 | | 26.67 |
| 0.6 | | | 6.00 | 12.00 | 8.00 | 8.00 | - | - | 60.0 | | 8.00 |
| 0.6 | 10.00 | | | 12.00 | 13.33 | 13.33 | - | - | 68.0 | | 13.33 |
| 0.6 | | | 6.00 | 12.00 | 8.00 | 8.00 | - | - | 60.0 | | 8.00 |
| 0.6 | | | 8.00 | 12.00 | 10.67 | 10.67 | - | - | 64.0 | | 10.67 |
| 0.6 | | | 10.00 | 12.00 | 13.33 | 13.33 | - | - | 68.0 | | 13.33 |
| 0.7 | | | 20.00 | 12.00 | 26.67 | - | - | 26.67 | 88.0 | | 26.67 |
| 0.7 | 10.00 | | | 12.00 | 13.33 | 13.33 | - | - | 68.0 | | 13.33 |
| 0.7 | | | 10.00 | 12.00 | 13.33 | 13.33 | - | - | 68.0 | | 13.33 |
| I 172 totals = | | | | | | 173.33 | 50.67 | 86.67 | 1,522.00 | 13.00 | 310.67 |
| I-72 Pike County | | | | | | | | | | | |
| CLASS A PATCH | | | | | | | | | Saw Cut Foot | Tie Bars 3/4" Each | Patch Reinforce Sy.Yd |
| Mile | Length(ft) | | | Width(ft) | Area (sy) | TY II | TY III | TY IV | | | |
| Marker | Passing | Middle | Driving | Layout | | | | | | | |
| I 72 Eastbound -starting at the Adams-Pike county line | | | | | | | | | | | |
| 4.9 | | | 6.00 | 12.00 | 8.00 | 8.00 | - | - | 60.0 | | 8.00 |
| 4.9 | | | 10.00 | 12.00 | 13.33 | 13.33 | - | - | 68.0 | | 13.33 |
| 4.9 | | | 8.00 | 12.00 | 10.67 | 10.67 | - | - | 64.0 | | 10.67 |
| 5.1 | | | 10.00 | 12.00 | 13.33 | 13.33 | - | - | 68.0 | | 13.33 |
| 5.2 | | | 6.00 | 12.00 | 8.00 | 8.00 | - | - | 60.0 | | 8.00 |
| 5.8 | | | 6.00 | 12.00 | 8.00 | 8.00 | - | - | 60.0 | | 8.00 |
| 6.2 | | | 6.00 | 12.00 | 8.00 | 8.00 | - | - | 60.0 | | 8.00 |
| 6.4 | | | 6.00 | 12.00 | 8.00 | 8.00 | - | - | 60.0 | | 8.00 |
| 6.5 | | | 6.00 | 12.00 | 8.00 | 8.00 | - | - | 60.0 | | 8.00 |
| 6.6 | | | 8.00 | 12.00 | 10.67 | 10.67 | - | - | 64.0 | | 10.67 |
| 7.1 | | | 6.00 | 12.00 | 8.00 | 8.00 | - | - | 60.0 | | 8.00 |
| 7.3 | | | 6.00 | 12.00 | 8.00 | 8.00 | - | - | 60.0 | | 8.00 |
| 7.9 | | | 6.00 | 12.00 | 8.00 | 8.00 | - | - | 60.0 | | 8.00 |
| 8 | | | 6.00 | 12.00 | 8.00 | 8.00 | - | - | 60.0 | | 8.00 |
| 8.2 | | | 6.00 | 12.00 | 8.00 | 8.00 | - | - | 60.0 | | 8.00 |
| 8.3 | | | 10.00 | 12.00 | 13.33 | 13.33 | - | - | 68.0 | | 13.33 |
| 8.3 | | | 6.00 | 12.00 | 8.00 | 8.00 | - | - | 60.0 | | 8.00 |
| 8.3 | | | 6.00 | 12.00 | 8.00 | 8.00 | - | - | 60.0 | | 8.00 |
| 8.5 | | | 10.00 | 12.00 | 13.33 | 13.33 | - | - | 68.0 | | 13.33 |
| 8.9 | | | 6.00 | 12.00 | 8.00 | 8.00 | - | - | 60.0 | | 8.00 |
| 10.5 | | | 6.00 | 12.00 | 8.00 | 8.00 | - | - | 60.0 | | 8.00 |
| I72 Westbound- starting at the Adams-Pike line | | | | | | | | | | | |
| 6.8 | | | 6.00 | 12.00 | 8.00 | 8.00 | - | - | 60.0 | | 8.00 |
| 7.6 | | | 6.00 | 12.00 | 8.00 | 8.00 | - | - | 60.0 | | 8.00 |
| 7.6 | | | 6.00 | 12.00 | 8.00 | 8.00 | - | - | 60.0 | | 8.00 |
| 7.8 | 10.00 | | | 12.00 | 13.33 | 13.33 | - | - | 68.0 | | 13.33 |
| 7.8 | | | 10.00 | 12.00 | 13.33 | 13.33 | - | - | 68.0 | | 13.33 |
| 8.3 | | | 8.00 | 12.00 | 10.67 | 10.67 | - | - | 64.0 | | 10.67 |
| 8.3 | | | 8.00 | 12.00 | 10.67 | 10.67 | - | - | 64.0 | | 10.67 |
| 9 | | | 8.00 | 12.00 | 10.67 | 10.67 | - | - | 64.0 | | 10.67 |
| 11.1 | | | 12.00 | 12.00 | 16.00 | - | 16.00 | - | 72.0 | | 16.00 |
| I 72 Totals = | | | | | | 277.33 | 16.00 | 0.00 | 1,880.00 | 0.00 | 293.33 |
| Totals = | | | | | | 450.67 | 66.67 | 86.67 | 3,402.00 | 13.00 | 604.00 |

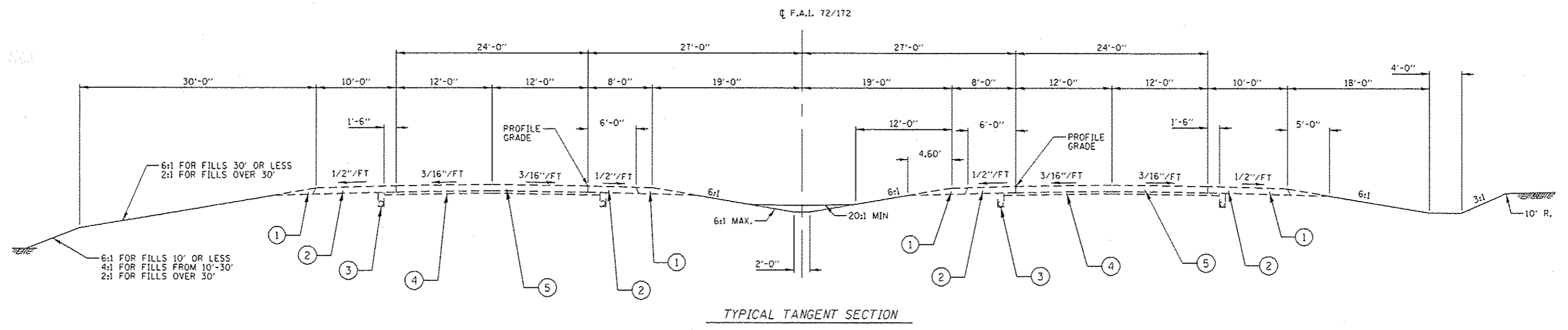
| | | | |
|---|---|----------------------|-----------|
| FILE NAME * | USER NAME * sharpd | DESIGNED - | REVISED - |
| S:\CONTRACT\CA01\72J21 - I-72+I-172 - CLASS A PATCHING - ADAMS-PIKE CO\PLANS\0672 | CLASS A PATCHING - ADAMS-PIKE CO\PLANS\0672 | DRAWN - schedule.dgn | REVISED - |
| Default | PLOT SCALE = 40.0000 / 1 in. | CHECKED - | REVISED - |
| | PLOT DATE = 5/23/2016 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES
WESTBOUND**

| F.A.T. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|------------------|------------|-----------------|--------------|
| 172/72 | 06 PATCHING 2017 | ADAMS-PIKE | 6 | 5 |
| CONTRACT NO. 72J21 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____

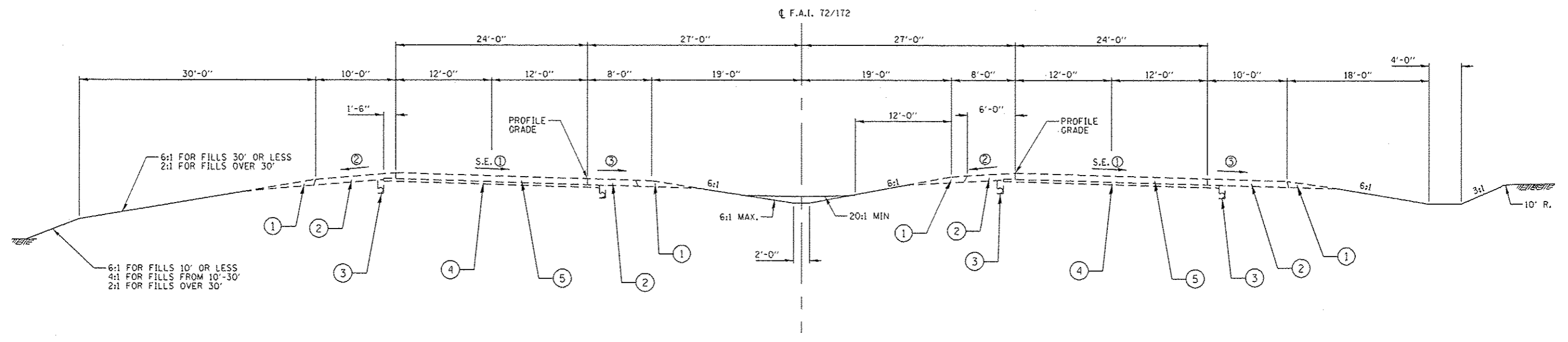


TYPICAL TANGENT SECTION

OMISSIONS

EXISTING NOTES

- SEE STANDARD 2237 FOR ADDITIONAL SHOULDER DETAIL
- LT. 24' P.C. CONC. PAVM'T IS NOW EXISTING FROM STA. 5+00 (N.W.) AHEAD. RT. 24' P.C. CONC. PAVM'T IS EXISTING FROM STA 76+00 (N.W.) AHEAD



TYPICAL SUPERELEVATED SECTION

LEGEND

- ① EXISTING AGG. SHOULDER, TY B
- ② EXISTING BIT. SHOULDERS 9"
- ③ EXISTING PIPE UNDERDRAIN, 4"
- ④ EXISTING STABILIZED SUB-BASE, 4"
- ⑤ EXISTING C.R.P.C CONCRETE PAVEMENT, 9"

| | | | | | | | | | | | |
|---|----------------------|------------|-----------|---|---|------------------|--------------------|---------|---------------------------|--------------|-----------|
| FILE NAME # | USER NAME # sharptd | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | TYPICAL SECTIONS | | F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| SA\CONTRACT\CAD\72J21 - 1-72+1-172 - CLASS A PATCHING - ADAMS-PIKE CO\PLANS\067212\DRAWN-typical.dgn\D.M.S. | | REVISIONS | REVISIONS | | 72/172 | D6 PATCHING 2017 | ADAMS-PIKE | 6 | 6 | | |
| Default | PLT SCALE = N/A | CHECKED - | REVISIONS | | SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____ | | CONTRACT NO. 72J21 | | ILLINOIS FED. AID PROJECT | | |
| | PLT DATE = 5/13/2016 | DATE - | REVISIONS | | | | | | | | |