

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|-----------|-----------|--------------------|-----------|
| 7897 | (135)RS-7 | CHRISTIAN | 14 | 1 |
| | | ILLINOIS | CONTRACT NO. 72L99 | |

FOR INDEX OF SHEETS, SEE SHEET NO. 2

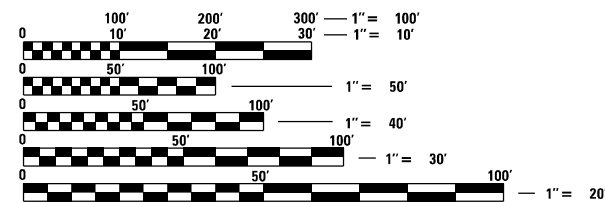
HIGHWAY CLASSIFICATION

FAU 7897 McADAM DR
ADT - 2,582 (2016)
DESIGN SPEED - 50 MPH
POSTED SPEED - 45 MPH
CLASSIFICATION - MAJOR COLLECTOR
CRS - 4.4 (2019)
PV = NOT AVAILABLE
SV = NOT AVAILABLE
MU = NOT AVAILABLE

PROPOSED
HIGHWAY PLANS

FAU ROUTE 7897 (McADAM DR)
SECTION (135)RS-7
PROJECT STP-MEMR(201)
RESURFACING
CHRISTIAN COUNTY

C-96-097-20



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.

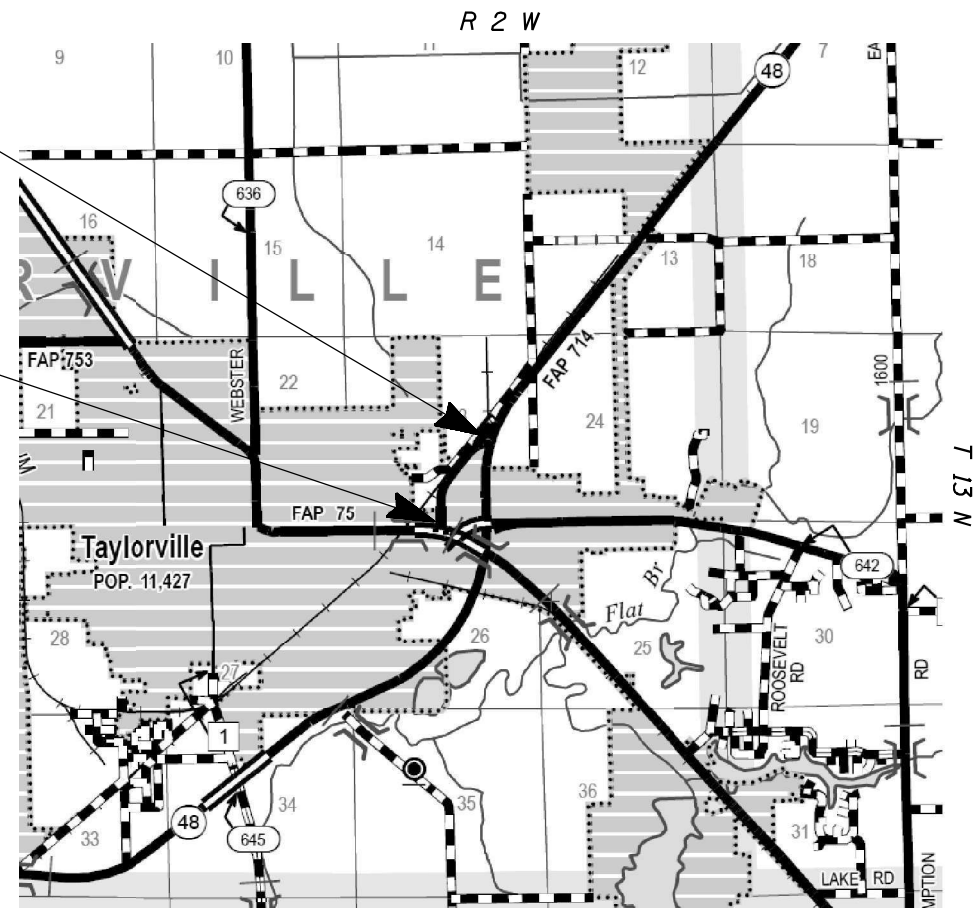
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: JAY EDWARDS (217) 785-0597
TEAM MANAGER: JONATHAN COX (217) 782-1378

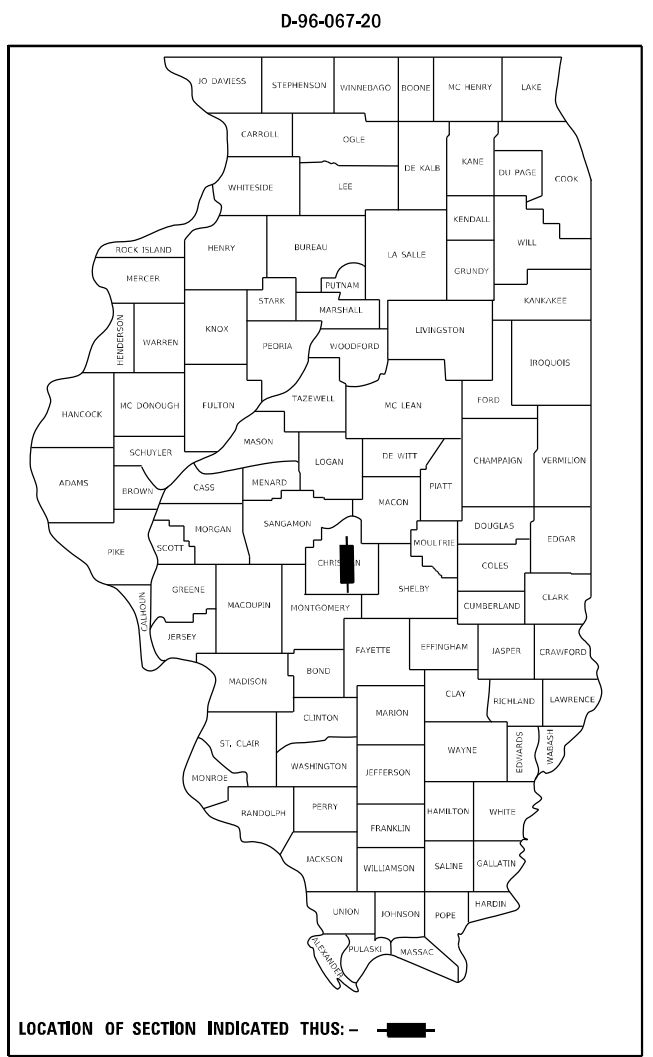
CONTRACT NO. 72L99

LIMITS OF PAVING
IMPROVEMENT ENDS AT
STA. 47+34
McADAM DR

LIMITS OF PAVING
IMPROVEMENT STARTS AT
STA. 18+30
McADAM DR



GROSS LENGTH = 2904 FT. = 0.55 MILE
NET LENGTH = 2864 FT. = 0.54 MILE



LOCATION OF SECTION INDICATED THIS: - [thick black line] -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 19, 2021

Jay P. Myers
REGIONAL ENGINEER

May 7, 2021
Joe A. Elk
ENGINEER OF DESIGN AND ENVIRONMENT

May 7, 2021
James M. Jones
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

6-01216-0000
80% FEDERAL
20% STATE
ROADWAY
0005
URBAN

| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | |
|----------|--|-------|----------------|------|
| 20800150 | TRENCH BACKFILL | CU YD | 80 | 80 |
| 21400100 | GRADING AND SHAPING DITCHES | FOOT | 1792 | 1792 |
| 25000200 | SEEDING, CLASS 2 | ACRE | 0.25 | 0.25 |
| 25000400 | NITROGEN FERTILIZER NUTRIENT | POUND | 4 | 4 |
| 25000500 | PHOSPHORUS FERTILIZER NUTRIENT | POUND | 4 | 4 |
| 25000600 | POTASSIUM FERTILIZER NUTRIENT | POUND | 4 | 4 |
| 25000700 | AGRICULTURAL GROUND LIMESTONE | TON | 4 | 4 |
| 25100125 | MULCH, METHOD 3 | ACRE | 0.25 | 0.25 |
| 28000305 | TEMPORARY DITCH CHECKS | FOOT | 70 | 70 |
| 28000500 | INLET AND PIPE PROTECTION | EACH | 10 | 10 |
| 35800100 | PREPARATION OF BASE | SQ YD | 72 | 72 |
| 40600290 | BITUMINOUS MATERIALS (TACK COAT) | POUND | 3245 | 3245 |
| 40600982 | HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT | SQ YD | 1554 | 1554 |
| 40600990 | TEMPORARY RAMP | SQ YD | 33 | 33 |

6-01216-0000
80% FEDERAL
20% STATE
ROADWAY
0005
URBAN

| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | |
|------------|--|--------|----------------|------|
| 40604050 | HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50 | TON | 860 | 860 |
| 40800029 | BITUMINOUS MATERIALS (TACK COAT) | POUND | 700 | 700 |
| 40800050 | INCIDENTAL HOT-MIX ASPHALT SURFACING | TON | 217 | 217 |
| 44000200 | DRIVEWAY PAVEMENT REMOVAL | SQ YD | 95 | 95 |
| 48102100 | AGGREGATE WEDGE SHOULDER, TYPE B | TON | 89 | 89 |
| 50104400 | CONCRETE HEADWALL REMOVAL | EACH | 3 | 3 |
| 50105220 | PIPE CULVERT REMOVAL | FOOT | 375 | 375 |
| 542D0220 | PIPE CULVERTS, CLASS D, TYPE 1 15" | FOOT | 550 | 550 |
| 67000400 | ENGINEER'S FIELD OFFICE, TYPE A | CAL MO | 6 | 6 |
| 67100100 | MOBILIZATION | L SUM | 1 | 1 |
| 70100460 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701306 | L SUM | 1 | 1 |
| 70300100 | SHORT TERM PAVEMENT MARKING | FOOT | 561 | 561 |
| 70300150 | SHORT TERM PAVEMENT MARKING REMOVAL | SQ FT | 94 | 94 |
| * 78001120 | PAINT PAVEMENT MARKING - LINE 5" | FOOT | 6867 | 6867 |

* SPECIALTY ITEM

MODEL: Default
 FILE NAME: p:\pub\mroom.dwg
 PROJECT: 6-01216-0000
 OFFICE: DISTRICT 5
 PROJECT: 6-01216-0000
 OFFICE: DISTRICT 5
 PROJECT: 6-01216-0000
 OFFICE: DISTRICT 5

| | | |
|------------------------------|----------------|-----------|
| USER NAME = c0xjw | DESIGNED - BNB | REVISED - |
| DRAWN - | REVISIONS - | |
| PLOT SCALE = 100,0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 3/19/2021 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|------------|-----------|---------------------------|-----------|
| 7897 | (135) RS-7 | CHRISTIAN | 14 | 3 |
| | | | CONTRACT NO. 72L99 | |
| | | | ILLINOIS FED. AID PROJECT | |

| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | 6-01216-0000 |
|------------|---|-------|----------------|--|
| | | | | 80% FEDERAL 20% STATE ROADWAY 0005 URBAN |
| * 78100100 | RAISED REFLECTIVE PAVEMENT MARKER | EACH | 36 | 36 |
| 78300200 | RAISED REFLECTIVE PAVEMENT MARKER REMOVAL | EACH | 36 | 36 |
| X2020110 | GRADING AND SHAPING SHOULDERS | UNIT | 10 | 10 |
| X4401198 | HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH | SQ YD | 7089 | 7089 |
| Z0005300 | BOX CULVERTS TO BE CLEANED | EACH | 2 | 2 |
| Z0033700 | LONGITUDINAL JOINT SEALANT | FOOT | 2774 | 2774 |

* SPECIALTY ITEM

MODEL: Default
 FILE NAME: p:\pub\mroom.dwt
 ILLINOIS DOT
 PROJECTS\DOT - Office\District 6\Projects\0672109\CADD\DATA\CAD\Projects\0672109-RT-500.dgn

| | | |
|------------------------------|----------------|-----------|
| USER NAME = c0xjw | DESIGNED - BNB | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 3/19/2021 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|------------|-----------|--------------|-----------|
| 7897 | (135) RS-7 | CHRISTIAN | 14 | 4 |
| CONTRACT NO. | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

| TRENCH BACKFILL | | | | 20800150 | 44000200 | 40800050 |
|-------------------------|------------------|----------------------|--------------------------------|-------------------------|--------------------------|---------------------------|
| LOCATION | AVG DEPTH (FOOT) | TRENCH LENGTH (FOOT) | VOLUME TRENCH BACKFILL (CU YD) | TRENCH BACKFILL (CU YD) | DRIVEWAY PVT REM (SQ YD) | INCIDENTAL HMA SURF (TON) |
| FAU RT 7897 (McADAM DR) | | | | | | |
| 19+63.00, 34.47' LT | 2 | 40 | 0.121 | 9.68 | 11.76 | 5.27 |
| 21+71.00, 29.33' LT | 2 | 34 | 0.121 | 8.23 | 9.80 | 4.39 |
| 23+49.00, 25.90' LT | 2 | 44 | 0.121 | 10.65 | 13.07 | 5.85 |
| 24+63.00, 33.94' RT | 2 | 40 | 0.121 | 9.68 | 11.76 | 5.27 |
| 28+17.00, 18.87' RT | 2 | 29 | 0.121 | 7.02 | 8.17 | 3.66 |
| 32+64.00, 32.20' RT | 2 | 28 | 0.121 | 6.78 | 7.84 | 3.51 |
| 35+48.00, 26.42' RT | 2 | 38 | 0.121 | 9.20 | 11.11 | 4.98 |
| 38+68.00, 27.52' RT | 2 | 30 | 0.121 | 7.26 | 8.49 | 3.81 |
| 39+22.00, 29.40' RT | 2 | 17 | 0.121 | 4.11 | 4.25 | 1.90 |
| 46+57.00, 30.85' LT | 2 | 31 | 0.121 | 7.50 | 8.82 | 3.95 |
| TOTAL | | | | 80 | 95 | 43 |

| GRADE & SHAPE SCHEDULE | | | | 21400100 | X2020110 |
|-------------------------|-------|------------------------------|----------------------------|----------|----------|
| LOCATION | LT/RT | GRADE & SHAPE DITCHES (FOOT) | GRADE & SHAPE SHLDS (UNIT) | | |
| FAU RT 7897 (McADAM DR) | | | | | |
| 19+70.00 TO 21+40.00 | LT | 170 | | | |
| 21+90.00 TO 23+30.00 | LT | 140 | | | |
| 24+54.00 TO 34+37.00 | LT | | 9.83 | | |
| 25+25.00 TO 40+07.00 | RT | 1482.00 | | | |
| TOTAL | | | 1792 | 10 | |

| SEEDING SCHEDULE | | | | | | | 25000200 | 25000400 | 25000500 | 25000600 | 25000700 |
|-------------------------|-------|---------|------------------------------------|--------------------------|--------------------------|---------------------------|-----------------------|----------|----------|----------|----------|
| LOCATION | LT/RT | LENGTH | SEEDING CL 2 & MULCH METH 3 (ACRE) | NITRO FERT NUTRI (POUND) | PHOSP FERT NUTRI (POUND) | POTASS FERT NUTRI (POUND) | AGRI GRD LIMSTN (TON) | | | | |
| FAU RT 7897 (McADAM DR) | | | | | | | | | | | |
| 19+70.00 TO 21+40.00 | LT | 170.00 | 0.0039 | 0.35 | 0.35 | 0.35 | 0.01 | | | | |
| 21+90.00 TO 23+30.00 | LT | 140.00 | 0.0032 | 0.29 | 0.29 | 0.29 | 0.01 | | | | |
| 25+25.00 TO 39+07.00 | RT | 1382.00 | 0.0317 | 2.86 | 2.86 | 2.86 | 0.06 | | | | |
| TOTAL | | | 0.25 | 4 | 4 | 4 | 1 | | | | |

| TEMP DITCH CHECKS | | 28000305 |
|-------------------------|--------------------------|----------|
| LOCATION | TEMP DITCH CHECKS (FOOT) | |
| FAU RT 7897 (McADAM DR) | | |
| 20+63.00, 30.81' LT | 10 | |
| 22+65.00, 26.46' LT | 10 | |
| 26+15.00, 31.00' RT | 10 | |
| 29+10.00, 31.46' RT | 10 | |
| 31+07.00, 27.06' RT | 10 | |
| 34+19.00, 27.06' RT | 10 | |
| 37+05.00, 29.50' RT | 10 | |
| TOTAL | | 70 |

| HMA SURF REMOVAL | | | | | 40600982 | X4401198 |
|-------------------------|---------------|--------------|-------------------------|-----------------------------|----------|----------|
| LOCATION | LENGTH (FOOT) | WIDTH (FOOT) | HMA SURF REM BJ (SQ YD) | HMA SURF REM VAR DP (SQ YD) | | |
| FAU RT 7897 (McADAM DR) | | | | | | |
| 18+30.00 TO 19+30.00 | 100.00 | 26 | - | 288.89 | | |
| 19+30.00 TO 41+40.00 | 2210.00 | 22 | - | 5402.22 | | |
| 41+40.00 TO 43+49.00 | 209.00 | 22 | - | 510.89 | | |
| 43+49.00 TO 46+87.00 | 338.00 | 22 | - | 826.22 | | |
| 46+87.00 TO 47+04.00 | 17.00 | 32 | - | 60.44 | | |
| INCIDENTAL HMA | | | 1553.94 | - | | |
| TOTAL | | | 1554 | 7089 | | |

| BITUMINOUS MATERIALS (TACK COAT) | | | | | 40600290 | 40800029 |
|----------------------------------|---------------|--------------|--------------|------------------------------|-------------------------------|----------|
| LOCATION | LENGTH (FOOT) | WIDTH (FOOT) | AREA (SQ FT) | BIT MAT TC (MILLING) (POUND) | BIT MAT TC (ENT & SR) (POUND) | |
| FAU RT 7897 (McADAM DR) | | | | | | |
| 18+30.00 TO 19+30.00 | 100.00 | 26 | 2600 | 130.00 | | |
| 19+30.00 TO 41+40.00 | 2210.00 | 22 | 48620 | 2431.00 | | |
| 41+40.00 TO 43+49.00 | 209.00 | 22 | 4598 | 229.90 | | |
| 43+49.00 TO 46+87.00 | 338.00 | 22 | 7436 | 371.80 | | |
| 46+87.00 TO 47+04.00 | 17.00 | 35 | 595 | 29.75 | | |
| 47+04.00 TO 47+34.00 | 30.00 | 35 | 1050 | 52.50 | | |
| INCIDENTAL HMA | | | 13985.5 | | | 699.28 |
| TOTAL | | | | 3245 | 700 | |

| TEMPORARY RAMP | | | | 40600990 |
|-------------------------|---------------|--------------|--------------------|----------|
| LOCATION | LENGTH (FOOT) | WIDTH (FOOT) | TEMP. RAMP (SQ YD) | |
| FAU RT 7897 (McADAM DR) | | | | |
| 18+30.00 TO 18+35.00 | 5.00 | 29 | 16.11 | |
| 47+29.00 TO 47+34.00 | 5.00 | 29 | 16.11 | |
| TOTAL | | | 33 | |

| INLET & PIPE PROTECT | | 28000500 |
|-------------------------|-----------------------------|----------|
| LOCATION | INLET & PIPE PROTECT (EACH) | |
| FAU RT 7897 (McADAM DR) | | |
| 19+88.00, 33.14' LT | 1 | |
| 22+08.00, 28.41' LT | 1 | |
| 25+04.00, 29.10' RT | 1 | |
| 27+90.00, 30.41' RT | 1 | |
| 29+73.00, 33.26' RT | 1 | |
| 33+19.00, 27.84' RT | 1 | |
| 35+77.00, 27.18' RT | 1 | |
| 35+90.00, 25.90' RT | 1 | |
| 38+91.00, 26.13' RT | 1 | |
| 39+48.00, 26.04' RT | 1 | |
| TOTAL | | 10 |

| AGGREGATE WEDGE SHOULDER, TYPE B | | | | | | 48102100 |
|----------------------------------|---------------|--------------|-----------------|----------------|---------------------------|----------|
| LOCATION | LENGTH (FOOT) | WIDTH (FOOT) | NUMBER OF SHLDS | VOLUME (CU YD) | AGG WEDGE SHLD TY B (TON) | |
| FAU RT 7897 (McADAM DR) | | | | | | |
| 18+30.00 TO 19+30.00 | 100.00 | 4 | 2 | 2.47 | 3.95 | |
| 19+30.00 TO 24+54.00 | 524.00 | 4 | 2 | 12.94 | 20.70 | |
| 24+54.00 TO 34+37.00 LT | 983.00 | 4 | 1 | 12.14 | 19.42 | |
| 24+54.00 TO 34+37.00 RT* | 983.00 | 4 | 1 | 24.27 | 38.83 | |
| 34+37.00 TO 41+40.00 | 703.00 | 4 | 2 | 17.36 | 27.77 | |
| 41+40.00 TO 43+49.00 | 209.00 | 4 | 2 | 5.16 | 8.26 | |
| 43+49.00 TO 46+87.00 | 338.00 | 4 | 2 | 8.35 | 13.35 | |
| 46+87.00 TO 47+34.00 | 47.00 | 4 | 2 | 1.16 | 1.86 | |
| SUBTRACT FOR SIDEROADS AND ENTR. | | | | | | -45.87 |
| TOTAL | | | | | 89 | |

*Low Side Agg Shoulder will have a 2" Depth

| PAVING SCHEDULE | | | | | Z0033700 | 40604050 |
|--------------------------|---------------|--------------|----------------------------|-------------------------------------|----------|----------|
| LOCATION | LENGTH (FOOT) | WIDTH (FOOT) | LONG. JOINT SEALANT (FOOT) | HMA SURF CSE MIX C IL 9.5 N50 (TON) | | |
| FAU RT 7897 (McADAM DR) | | | | | | |
| 18+30.00 TO 19+30.00 | 100.00 | 25 | - | 32.36 | | |
| 19+30.00 TO 24+54.00 | 524.00 | 22 | 524.00 | 143.46 | | |
| 24+54.00 TO 34+37.00 LT | 983.00 | 11 | 983.00 | 134.56 | | |
| 24+54.00 TO 34+37.00 RT* | 983.00 | 11 | | 186.55 | | |
| 34+37.00 TO 41+40.00 | 703.00 | 22 | 703.00 | 192.47 | | |
| 41+40.00 TO 43+49.00 | 209.00 | 22 | 209.00 | 57.22 | | |
| 43+49.00 TO 46+79.00 | 330.00 | 22 | 330.00 | 90.35 | | |
| 46+79.00 TO 46+87.00 | 8.00 | 22 | 8.00 | 2.19 | | |
| 46+87.00 TO 47+04.00 | 17.00 | 35 | 17.00 | 7.40 | | |
| 47+04.00 TO 47+34.00 | 30.00 | 35 | - | 13.07 | | |
| TOTAL | | | | 2774 | 860 | |

*Last 4' of Surface Course will Vary from 2" to 2.25"

MODEL: Default
 FILE NAME: p:\mhammon.dwg
 PLOT DATE: 3/19/2021
 PROJECT: 0672199-CADD-Data-CAD-Projects-0672199-RT-etchad.lc.dgn

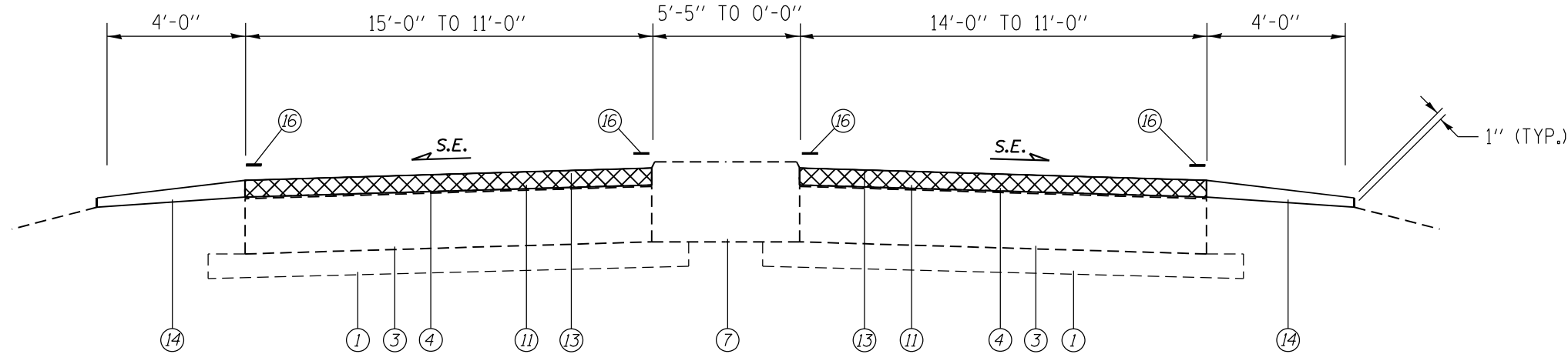
| | | |
|------------------------------|----------------|-----------|
| USER NAME = coxjw | DESIGNED - BNB | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 3/19/2021 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| SCHEDULE OF QUANTITIES | | |
|------------------------|---------------------|--------------|
| SCALE: | SHEET 1 OF 2 SHEETS | STA. TO STA. |
| | | |

| | | | | |
|---------------------------|--------------------|------------------|-----------------|-------------|
| F.A.U. RTE. 7897 | SECTION (135) RS-7 | COUNTY CHRISTIAN | TOTAL SHEETS 14 | SHEET NO. 5 |
| CONTRACT NO. 72L99 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

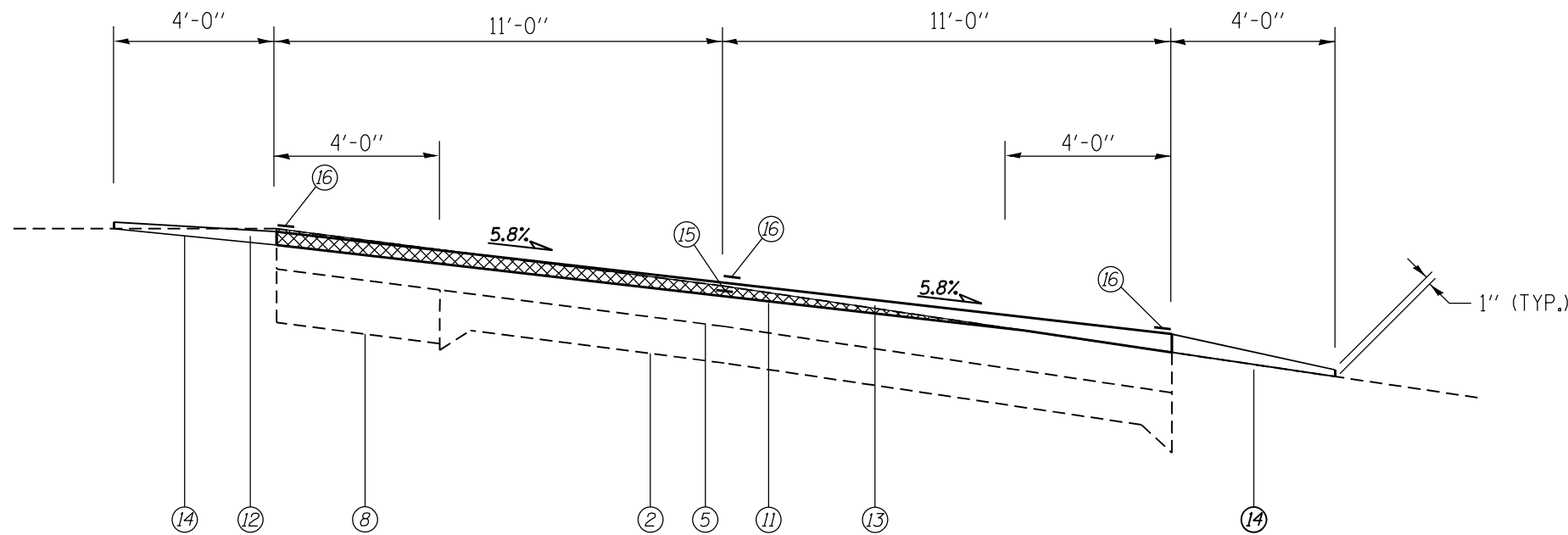
☉ F.A.U. 7897 (McADAM DR)



TYPICAL SECTION

(1) STA 18+30 TO STA 19+45.00 (115')

☉ F.A.U. 7897 (McADAM DR/SPUR)



TYPICAL SECTION

(3) STA 24+54 TO STA 34+37 S.E. = 5.8% (987')

LEGEND

- ① EXIST. SUBBASE GRANULAR MATERIAL 4"
- ② EXIST. PCC PAVEMENT (9-6-9)
- ③ EXIST. PCC PAVEMENT 9"
- ④ EXIST. BITUMINOUS CONCRETE RESURFACING 3" NOMINAL & VARIES
- ⑤ EXIST. BITUMINOUS CONCRETE RESURFACING 6" NOMINAL & VARIES
- ⑥ EXIST. BITUMINOUS SHOULDER 8"
- ⑦ EXIST. PCC CORRUGATED MEDIAN
- ⑧ EXIST. PCC BASE COURSE WIDENING 8"
- ⑨ EXIST. HMA BASE COURSE WIDENING 8"
- ⑩ EXIST. LEVELING BINDER VAR. DEPTH
- ⑪ PROP. HOT-MIX ASPHALT SURF. REMOVAL VAR DP*
- ⑫ PROP. GRADING AND SHAPING SHOULDER
- ⑬ PROP. HOT-MIX ASPHALT SURFACE CSE, (2")
- ⑭ PROP. AGGREGATE WEDGE SHOULDERS, TYPE B
- ⑮ PROP. LONGITUDINAL JOINT SEALER
- ⑯ PROP. PAINT PAVEMENT MARKING LINE, 5"

*NOMINAL MILLING DEPTH 1.5" (WITH THE EXCEPTION OF STA 18+30 TO STA 24+54 WHERE THE NOMINAL MILLING DEPTH IS 2")

SE #1
 (EX 6.5% HS & 7.5% LS (PR 5.8%))
TRANSITION:
 STA 24+54 TO STA 26+15
 STA 32+76 TO STA 34+37
FULL SE:
 STA 26+15 TO 32+36

MODEL: Default
 FILE: M:\115510000.dwg
 PROJECT: 115510000.dwg
 PLOT DATE: 3/19/2021

| | | |
|------------------------------|----------------|-----------|
| USER NAME = c0xjw | DESIGNED - BNB | REVISED - |
| PLOT SCALE = 100,0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 3/19/2021 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

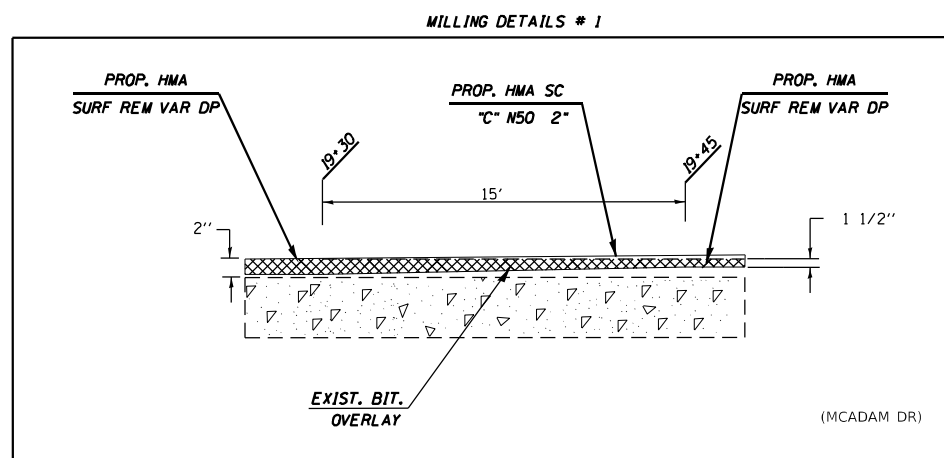
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

| | |
|------------------|---------------------|
| TYPICAL SECTIONS | |
| SCALE: NTS | SHEET 1 OF 3 SHEETS |
| STA. 18+30 | TO STA. 41+40 |

| | | | | |
|---------------------------|------------|-----------|--------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 7897 | (135) RS-7 | CHRISTIAN | 14 | 7 |
| | | | CONTRACT NO. 72L99 | |
| ILLINOIS FED. AID PROJECT | | | | |



JOINT DETAIL



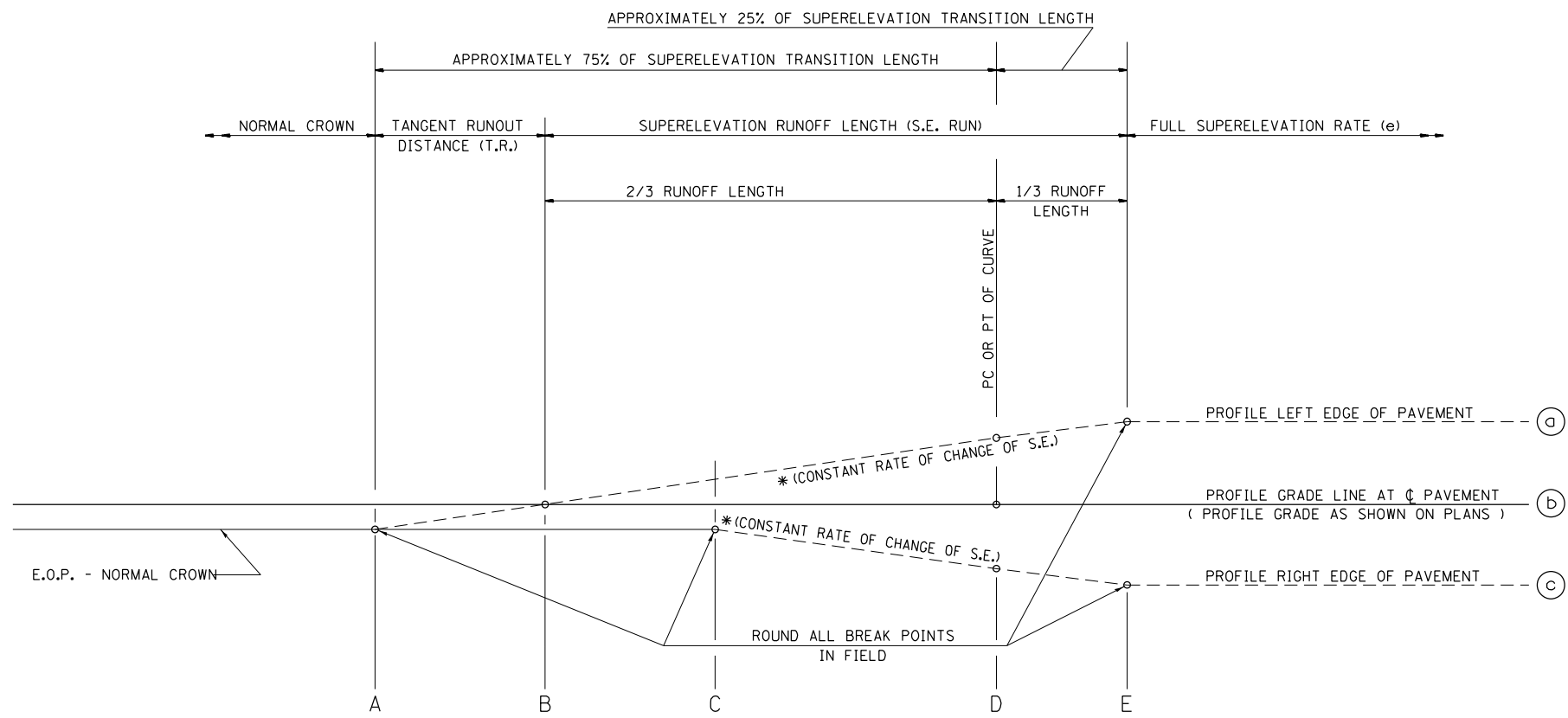
MODEL: Default
 FILE NAME: p:\pub\lhamon.dwg
 PROJECT: 0672199\CADD\Drawings\DOT - Office\Drawings\0672199\CADD\Drawings\0672199-SP-Rt-1b-21.dwg

| | | |
|------------------------------|----------------|-----------|
| USER NAME = coxjw | DESIGNED - BNB | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 3/19/2021 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

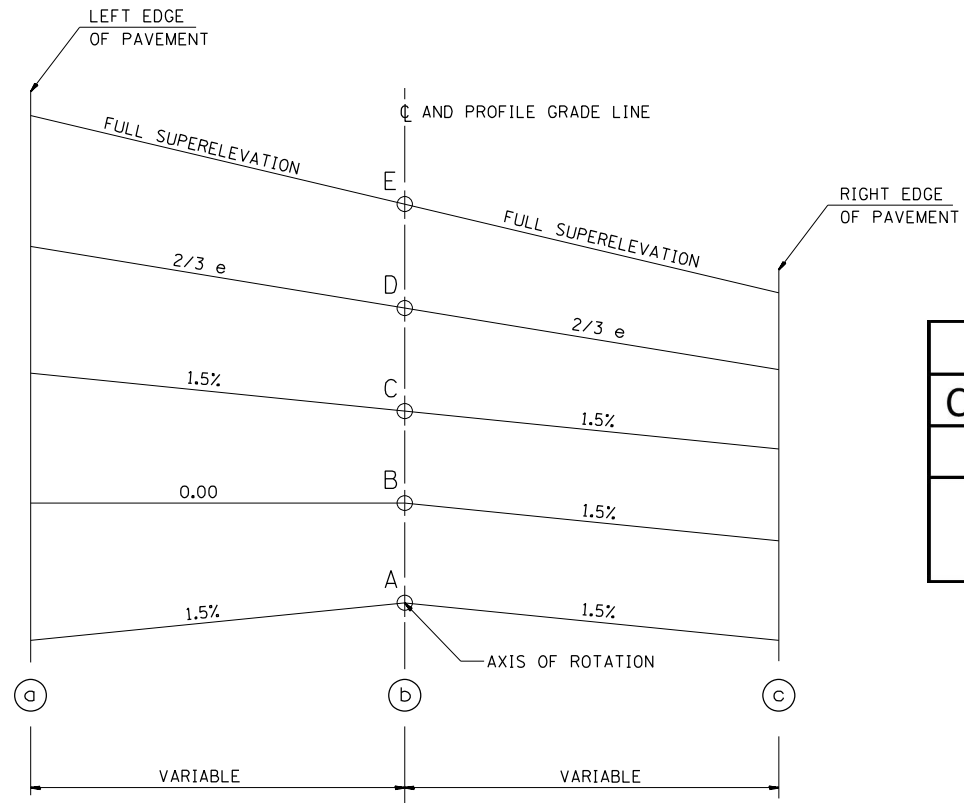
| | |
|-------------------|--|
| Plan Sheet | |
| SCALE: | SHEET 2 OF 2 SHEETS STA. 44+00 TO STA. 47+34 |

| | | | | |
|-------------|------------|-----------|--------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 7897 | (135) RS-7 | CHRISTIAN | 14 | 11 |
| | | | CONTRACT NO. 72L99 | |
| | | ILLINOIS | FED. AID PROJECT | |



SEE PLANS FOR CURVE DATA INFORMATION
 CURVE DATA
 P.I. STA=
 Δ =
 R=
 T=
 L=
 E=
 e= SUPERELEVATION RATE IN PERCENT
 T.R.= TANGENT RUNOUT DISTANCE
 S.E. RUN= SUPERELEVATION RUNOFF LENGTH
 P.C. STA=
 P.T. STA=

TYPICAL PROFILE - S.E. TRANSITION



TYPICAL CROSS SECTION - S.E. TRANSITION

| TABLE OF SUPERELEVATION BREAK POINT LOCATIONS | | | | | | | |
|---|------|----------|----------|----------|----------|----------|------------|
| CURVE NO. | e | A | B | C | D | E | TRANSITION |
| | 5.8% | 24+54.00 | 24+87.00 | 25+20.00 | 25+72.00 | 26+14.00 | Trans. In |
| | | 34+37.00 | 34+04.00 | 33+71.00 | 33+19.00 | 32+76.00 | Trans. Out |

MODEL: Default
 FILE NAME: p:\pub\mbarrom.dwt\illinois.gov\PWIDOT\Documents\IDOT_Offices\Distric...
 PROJECT: D:\72199\CADD\DATA\CAD\PROJECTS\0672199\PH-S.E.dwg

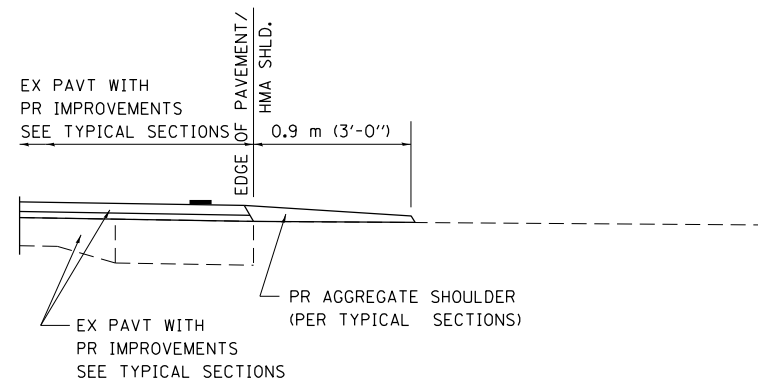
| | | |
|------------------------------|------------|-----------|
| USER NAME = c0xjw | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 40,0000 * / in. | CHECKED - | REVISED - |
| PLOT DATE = 3/19/2021 | DATE - | REVISED - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

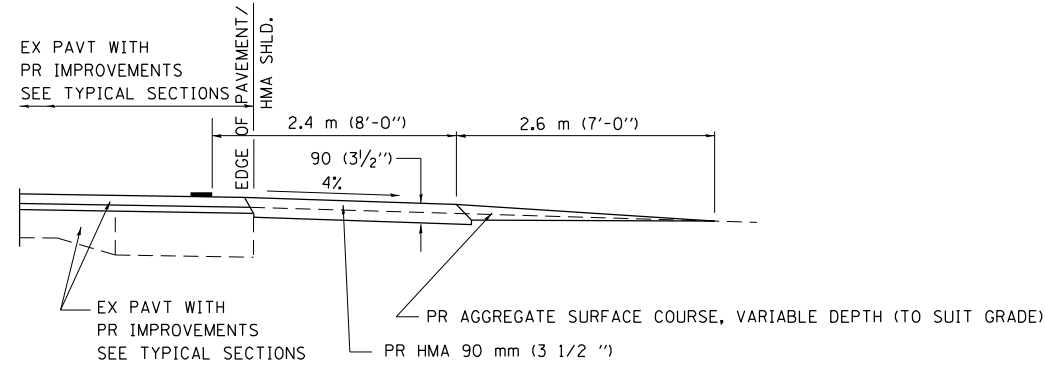
SUPERELEVATION TRANSITION
 DETAIL FOR TWO LANE HIGHWAY

SCALE: SHEET OF SHEETS STA. TO STA.

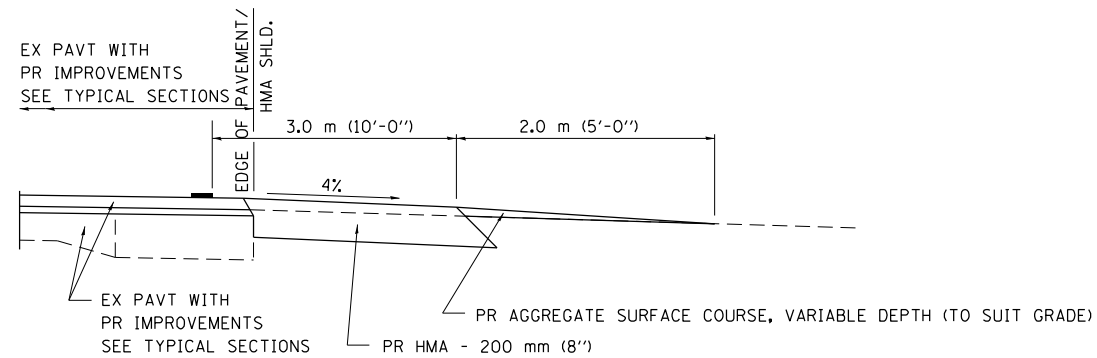
| | | | | |
|---------------------------|------------|-----------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 7897 | (135) RS-7 | CHRISTIAN | 14 | 12 |
| CONTRACT NO. 72L99 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



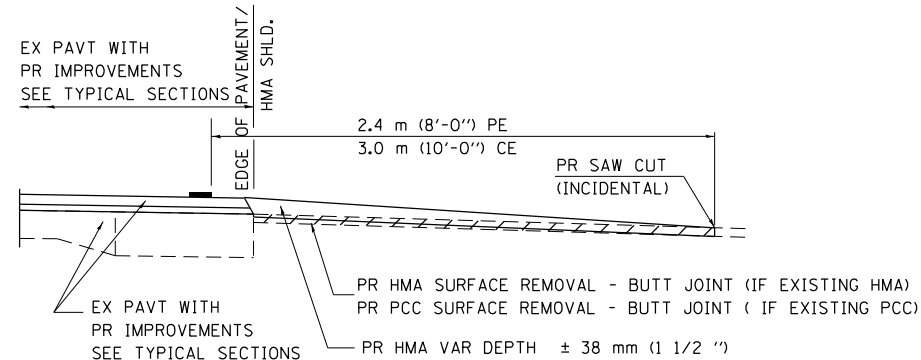
SECTION A-A FOR EX EARTH/ AGGREGATE FE



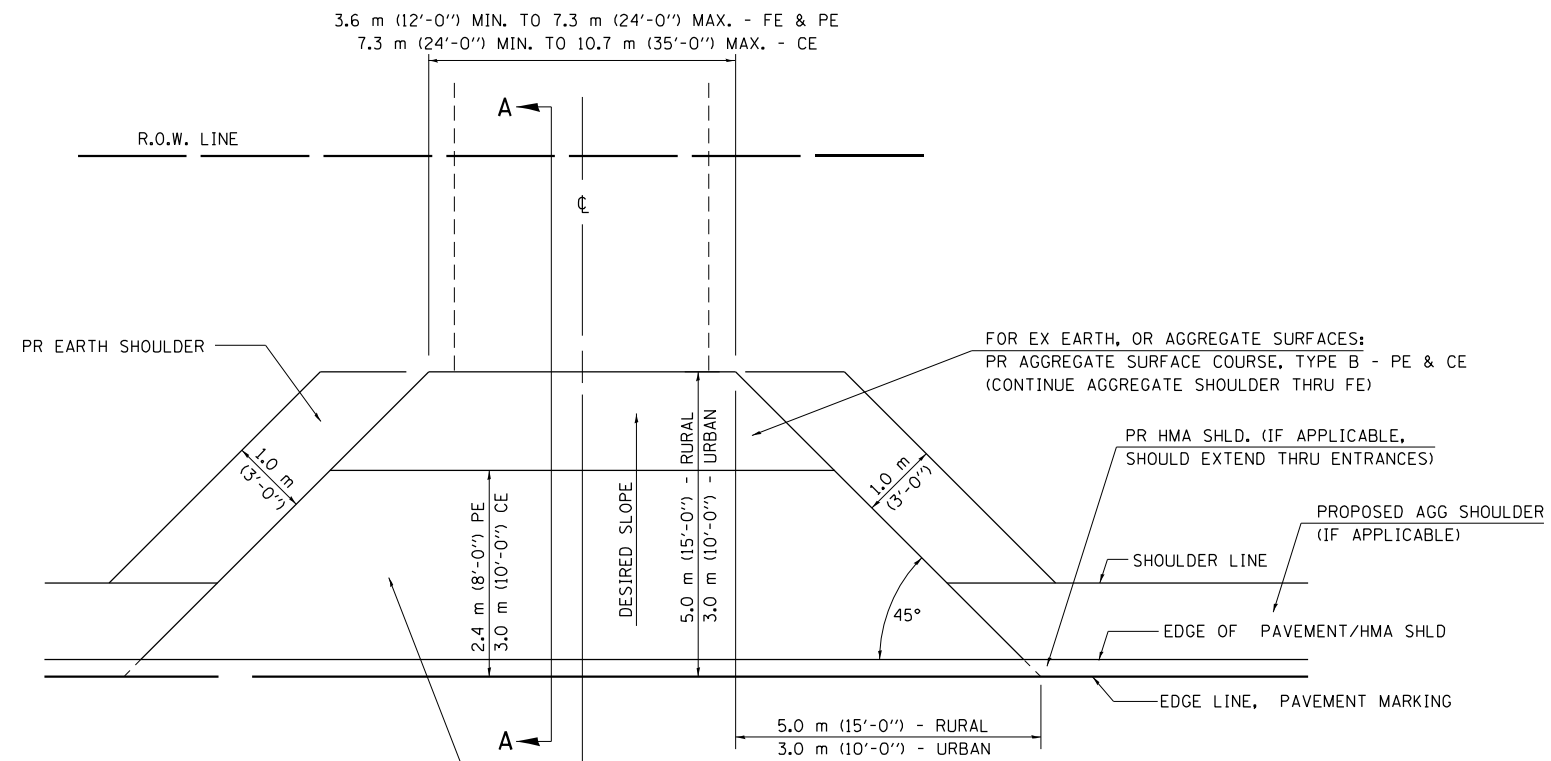
SECTION A-A FOR EX EARTH/AGGREGATE PE



SECTION A-A FOR EX EARTH/AGGREGATE CE & SIDE ROAD



SECTION A-A FOR EX HMA/ PC CONCRETE PE, CE & SIDE ROAD

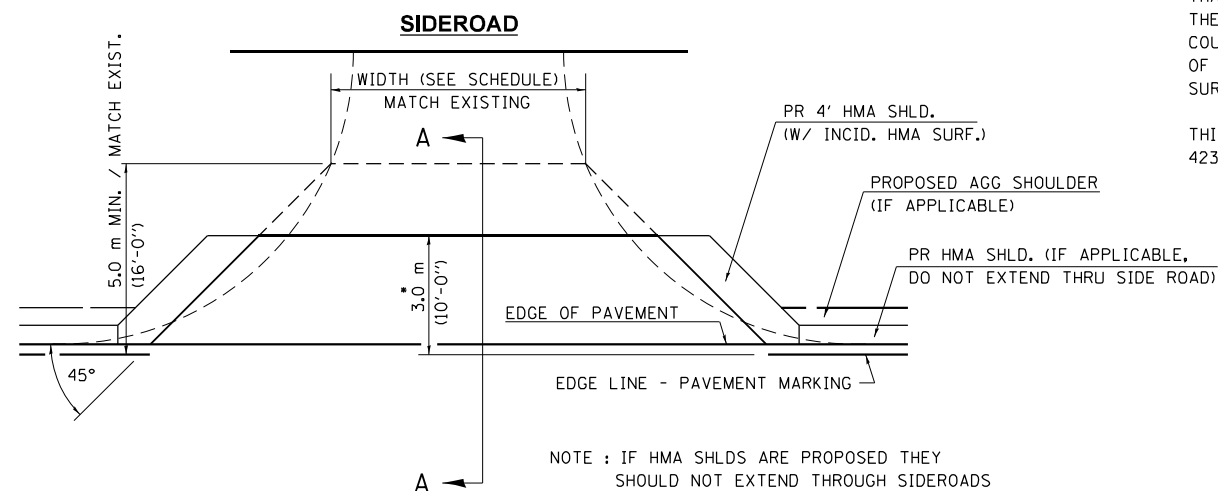


FOR EX EARTH OR AGGREGATE SURFACES:
 PR HMA SURFACE REMOVAL (IF APPLICABLE)
 PR AGGREGATE SHOULDER THRU - FE
 PR HMA CONCRETE 90 mm (3 1/2 ") - PE
 PR HMA CONCRETE 200mm (8") - CE

FOR EX HMA CONCRETE SURFACES:
 PR HMA SURFACE REMOVAL-BUTT JOINT

FOR EX PCC SURFACES:
 PR PCC SURFACE REMOVAL-BUTT JOINT

• THE PROPOSED HMA IMPROVEMENT ON THE SIDE ROAD SHOULD EXTEND TO THE EXISTING BUTT JOINT WITH A MINIMUM OF 10' IF NO BUTT JOINT EXIST, OR TO THE BUTT JOINT IF BUTT JOINT IS > 10'.



NOTE : IF HMA SHLDS ARE PROPOSED THEY SHOULD NOT EXTEND THROUGH SIDEROADS

GENERAL NOTES:

THE RESIDENT ENGINEER WILL DETERMINE THE EXACT TYPE OF IMPROVEMENT TO BE COMPLETED FOR ALL ENTRANCES, SIDEROADS AND MAILBOX TURNOUTS ON THIS PROJECT.

THE PLAN DETAILS AND SCHEDULES SHOULD BE USED AS A GUIDE FOR THE ENGINEER TO IMPLEMENT THE FINAL DESIGN. THE ENGINEER MAY DECIDE TO SALVAGE PORTIONS OF THE EXISTING ENTRANCE PAVEMENT STRUCTURE; THEREFORE, REDUCING PAY ITEM QUANTITIES. NO ADDITIONAL PAYMENT WILL BE ALLOWED FOR THIS REDUCTION IN QUANTITIES.

ANY WORK THE ENGINEER REQUIRES WHICH IS NOT COVERED BY A PAY ITEM CONTAINED IN THE PLANS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

HMA CONCRETE REQUIRED TO CONSTRUCT THE ENTRANCES SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 406 AND 408 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

WHEN THE HMA CONCRETE PROPOSED FOR THE IMPROVEMENT IS THICKER THAN 75 mm (3 INCHES) AND REQUIRE PLACEMENT IN MORE THAN ONE LIFT. THE BOTTOM LIFT(S) SHALL MEET THE REQUIREMENTS OF HMA BASE COURSE IN SECTION 406 OF THE STANDARD SPECIFICATIONS AND THE TOP LIFT OF 50 mm (2 INCHES) SHALL MEET THE REQUIREMENTS OF HMA CONCRETE SURFACE COURSE, SUPERPAVE.

THIS WORK WILL BE PAID FOR IN ACCORDANCE WITH SECTIONS 351, 358, 408, 423 AND 440 OF THE STANDARD SPECIFICATIONS.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.

MODEL: Default
 FILE NAME: p:\pub\amr\amr\dot\Documents\DOT - Office\Drawings\Projects\0672199\CD\Drawings\CD\Drawings\0672199-PR-Details.dwg
 PROJECT: 0672199-PR-Details.dwg

| | | |
|-----------------------------|------------|-----------|
| USER NAME = c0xjw | DESIGNED - | REVISED - |
| PLOT SCALE = 40,0000 */ in. | DRAWN - | REVISED - |
| PLOT DATE = 3/19/2021 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

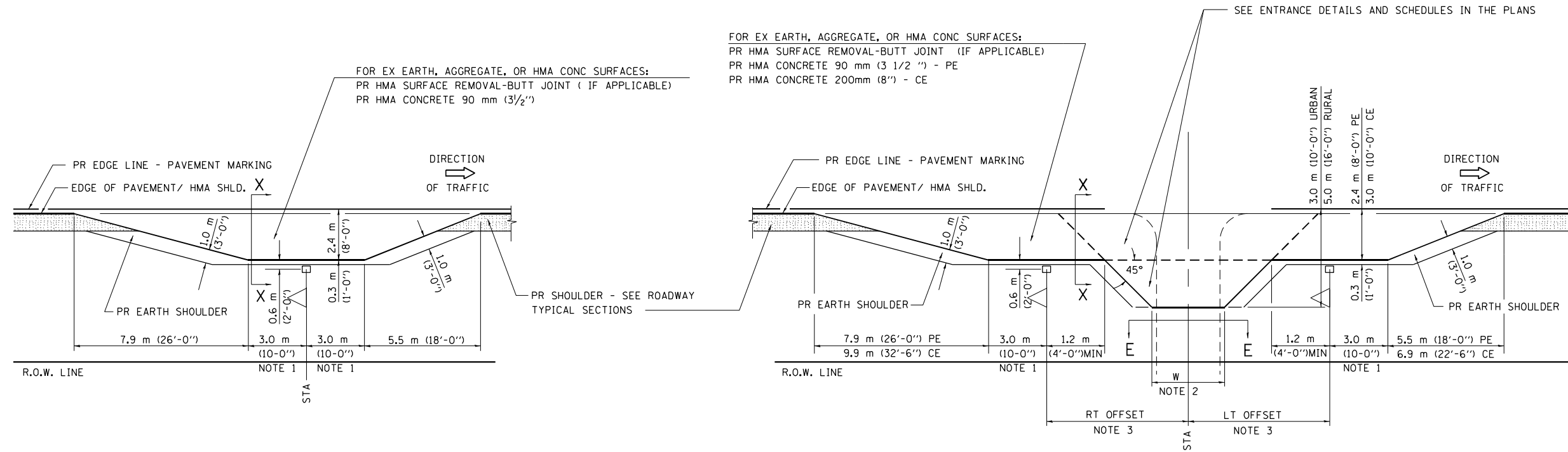
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ENTRANCE & SIDEROAD DETAILS

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

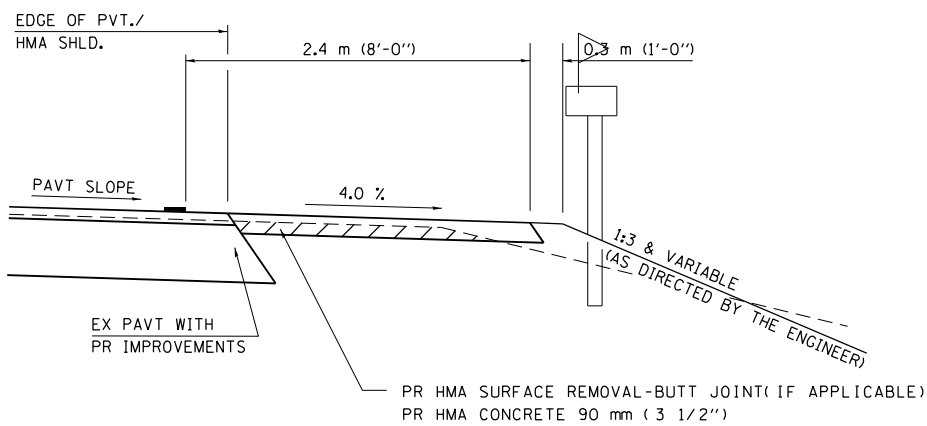
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|------------|-----------|--------------|-----------|
| 7897 | (135) RS-7 | CHRISTIAN | 14 | 13 |
| CONTRACT NO. 72L99 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

DETAILS OF MAILBOX TURNOUTS



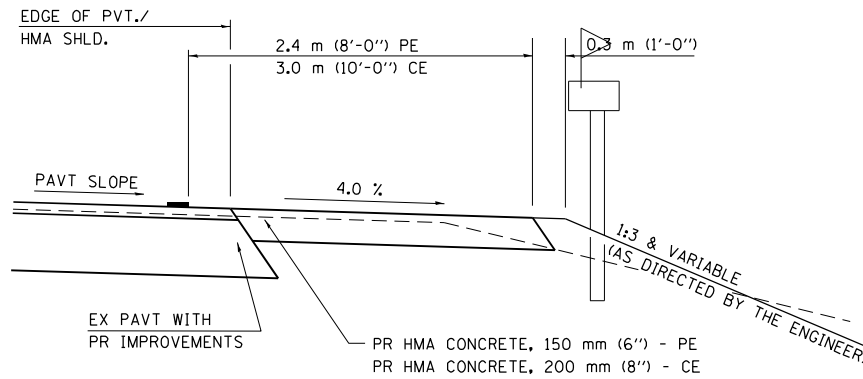
PLAN - MAILBOX TURNOUTS

PLAN - COMBINED MAILBOX TURNOUT WITH TRAILING OR LEADING ENTRANCE



**SECTION X-X THRU MAILBOX TURNOUT
ALSO APPLIES TO MAILBOX TURNOUTS COMBINED WITH
EX EARTH, AGGREGATE, OR HMA PE & FE**

(DETAIL APPLIES WHEN M.B. TURNOUT DOES NOT EXIST.
IF EXISTING, TREAT SAME AS ENTRANCE.)



**SECTION X-X THRU MAILBOX TURNOUT
COMBINED WITH EX HMA CONC & PC CONC PE & CE**

(DETAIL APPLIES WHEN M.B. TURNOUT DOES NOT EXIST.
IF EXISTING, TREAT SAME AS ENTRANCE.)

- NOTE 1 IF MORE THAN ONE MAILBOX IS PRESENT, DIMENSION FROM CENTER OF END MAILBOX.
- NOTE 2 FOR ENTRANCE LAYOUT DIMENSIONS AND SECTIONS A-A & E-E REFER TO THE SCHEDULES IN THE PLANS.
- NOTE 3 BOTH LT OR RT OFFSETS FOR MAILBOX SHOWN USE OFFSET DIMENSION PER SCHEDULE AND REFER TO LAYOUT SHOWN ON THE PLAN.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES)
UNLESS OTHERWISE SHOWN.

MODEL: Default
FILE NAME: p:\m\m\room\dot\illinois.gov\PIWDOT\Documents\DOT_Offices\District_8\Projects\0672199\CADD\Drawings\CD\Projects\0672199\PIWDOT\Detail.dwg

| | | |
|-----------------------------|------------|-----------|
| USER NAME = c0xjw | DESIGNED - | REVISED - |
| PLOT SCALE = 40,0000 */ in. | DRAWN - | REVISED - |
| PLOT DATE = 3/19/2021 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ENTRANCE & SIDEROAD DETAILS

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|------------|-----------|--------------|-----------|
| 7897 | (135) RS-7 | CHRISTIAN | 14 | 14 |
| CONTRACT NO. 72L99 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |