

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|-----------|----------|--------------------|-----------|
| 840 | (137) SFY | IROQUOIS | 8 | 1 |
| | | ILLINOIS | CONTRACT NO. 66J10 | |

INDEX OF SHEETS

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- 2 GENERAL NOTES
- 3-4 SUMMARY OF QUANTITIES
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- 7 SCHEDULES
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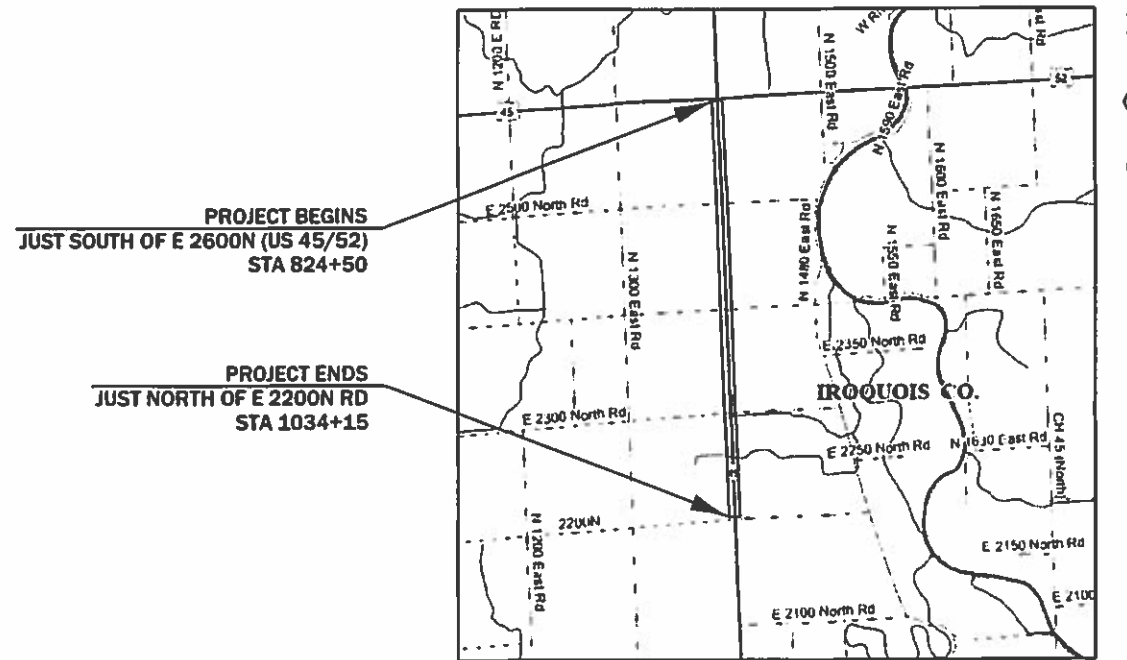
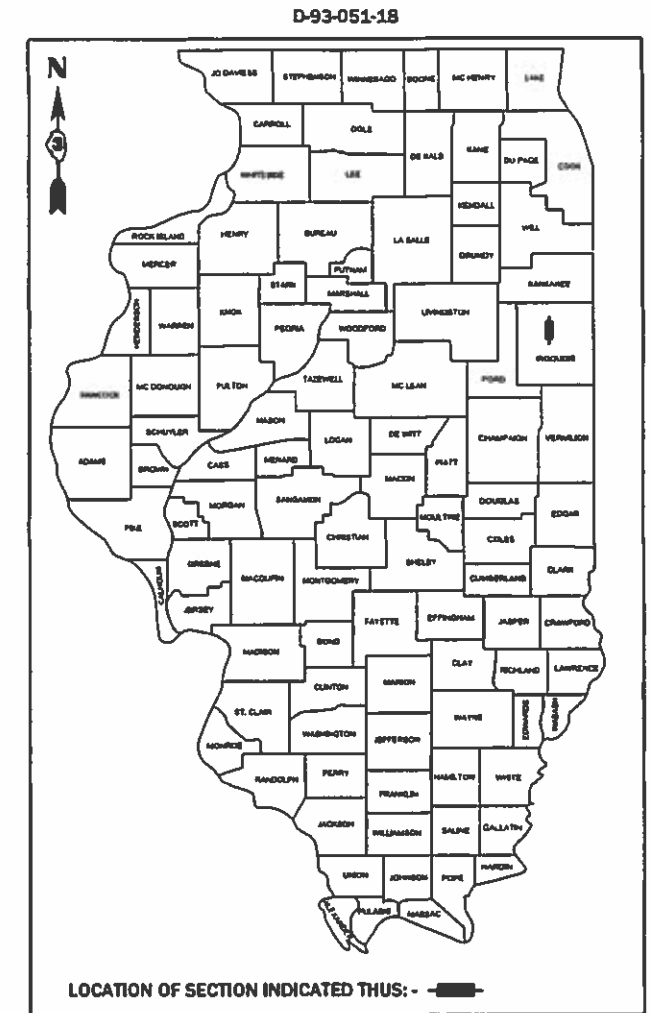
HIGHWAY STANDARDS

- 000001-07 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 406201-01 MAILBOX TURNOUT
- 482001-02 HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
- 482006-03 HMA SHOULDER ADJACENT TO RIGID PAVEMENT
- 642006 SHOULDER RUMBLE STRIPS, 8 INCH
- 701006-05 OFF-ROAD OPERATIONS 2L, 2W, 15' (4.5 m) TO 24' (600 mm) FROM PAVEMENT EDGE
- 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
- 701326-04 LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS \geq 45 MPH
- 701901-08 TRAFFIC CONTROL DEVICES

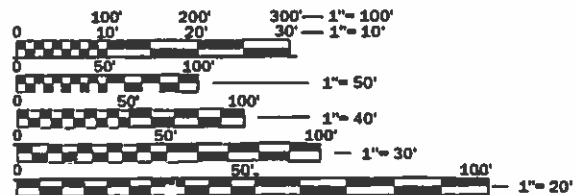
**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 840 (IL 49)
SECTION (137) SFY
PROJECT: HSIP - 1N4F (772)
SHOULDER WIDENING AND RUMBLE STRIPS
IROQUOIS COUNTY

C-93-055-18



IL 49 - MINOR ARTERIAL
2017 ADT = 2,550
P.V. = 82.0% S.U. = 4.3% M.U. = 13.7%



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: JOE KANNEL, P.E.
UNIT CHIEF: MARC BUDZYNSKI, P.E.
DISTRICT 3 NO. (815) 434-6131
CONTRACT NO. 66J10

GROSS & NET LENGTH = 20,965 FT. = 3.97 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 2/24/19 2019
Jim Handberg (SR) REGIONAL ENGINEER

March 22, 2019
cc E.A. ETC
ENGINEER OF DESIGN AND ENVIRONMENT

March 22, 2019
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

GENERAL NOTES

THE THICKNESS OF HMA SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA IS PLACED.

THE HMA SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK WILL BE INCLUDED IN THE COST OF THE HMA SURFACE.

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

FOR STABILIZATION, ALL TYPE III BARRICADES WILL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

| | | |
|-----------------|-----|------------------|
| HMA RESURFACING | 112 | LBS / SQ YD / IN |
|-----------------|-----|------------------|

ALL DAMAGE TO DEPARTMENT OWNED UNDERGROUND FACILITIES, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTOR'S EXPENSE. THIS SHALL INCLUDE ALL TEMPORARY REPAIRS REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS. SPLICING OF ELECTRIC CABLE WILL NOT BE ALLOWED. ELECTRIC CABLE SHALL BE REPLACED FROM POLE TO POLE OR CONTROLLER.

THE CONTRACTOR SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.

THE NON-SPECIAL WASTE DISPOSAL QUANTITY ACCOUNTS FOR THE CUBIC YARDS OF DIRT THAT IS REMOVED AS A PART OF SHOULDER REMOVAL (SPECIAL). OTHER EXCAVATED SHOULDER MATERIALS WERE NOT INCLUDED IN THE NON-SPECIAL WASTE QUANTITY.

| HMA MIXTURE REQUIREMENT TABLE | | |
|--|-------------------------|------------------------|
| LOCATION(S): | ENTIRE PROJECT | ENTIRE PROJECT |
| MIXTURE USE(S): | SHOULDER BOTTOM LIFT(S) | SHOULDER TOP LIFT (2") |
| BINDER GRADE (PG): | PG 64-22 | PG 64-22 |
| DESIGN AIR VOIDS: | 4.0% @ N50 | 4.0% @ N50 |
| MIXTURE COMPOSITION: (MIXTURE GRADATION) | IL-19.0 | IL-9.5 FG |
| FRICTION AGGREGATE: | - | - |
| MIXTURE WEIGHT: | 112.0 LB/SY/IN | 112.0 LB/SY/IN |
| QUALITY MANAGEMENT PROGRAM: | QC/QA | QC/QA |
| SUBLOT SIZE: | N/A | N/A |
| DENSITY TEST METHOD: | CORES | CORES |

COMMITMENTS:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE
AS BUILT INFORMATION

SUPERVISING CONSTRUCTION FIELD ENGINEER

RESIDENT ENGINEER / TECHNICIAN

START & END DATES
OF CONSTRUCTION:

INSPECTORS:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

PREPARED BY: *Don Benoit*
DISTRICT STUDIES & PLANS ENGINEER

DATE: 02/04/19

EXAMINED BY: *ASV*
DISTRICT CONSTRUCTION ENGINEER

Michael Ash
DISTRICT MATERIALS ENGINEER

Tom Hayes
DISTRICT OPERATIONS ENGINEER

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES

| | | | | | | | | | | | |
|---|------------------------------|------------|-----------|---|----------------------|--------------------|-------------|----------|--------------|------------|---------------|
| FILE NAME = | USER NAME = budzynskim | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | GENERAL NOTES | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| pw:\084EBIDINTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 3\Projects\0366J10\CADData\0366J10-shl-cw | DRAWN - | REVISED - | 840 | | | (137) SFY | IROQUOIS | 8 | 2 | | |
| Default | PLOT SCALE = 100.0000' / in. | CHECKED - | REVISED - | | | CONTRACT NO. 66J10 | | | | | |
| | PLOT DATE = 2/4/2019 | DATE - | REVISED - | | | SCALE: _____ | SHEET _____ | OF _____ | SHEETS | STA. _____ | TO STA. _____ |

CONSTR. CODE

90% FED
10% STATE

| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | ROADWAY |
|------------|---|--------|----------------|---------------|
| | | | | 0021 RURAL |
| 40600290 | BITUMINOUS MATERIALS (TACK COAT) | POUND | 8433 | 8433 |
| 40800050 | INCIDENTAL HOT-MIX ASPHALT SURFACING | TON | 11.5 | 11.5 |
| 44000157 | HOT-MIX ASPHALT SURFACE REMOVAL, 2" | SQ YD | 101 | 101 |
| 48203029 | HOT-MIX ASPHALT SHOULDERS, 8" | SQ YD | 18636 | 18636 |
| 64200108 | SHOULDER RUMBLE STRIPS, 8 INCH | FOOT | 41930 | 41930 |
| * 66900200 | NON-SPECIAL WASTE DISPOSAL | CU YD | 440 | 440 |
| * 66900530 | SOIL DISPOSAL ANALYSIS | EACH | 6 | 6 |
| * 66901001 | REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN | L SUM | 1.0 | 1.0 |
| * 66901002 | ON-SITE MONITORING OF REGULATED SUBSTANCES | CAL DA | 5 | 5 |
| * 66901003 | REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT | LSUM | 1.0 | 1.0 |
| 67100100 | MOBILIZATION | L SUM | 1.0 | 1.0 |
| 70100500 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701326 | L SUM | 1.0 | 1.0 |
| 70103815 | TRAFFIC CONTROL SURVEILLANCE | CAL DA | 5 | 5 |
| * 78001110 | PAINT PAVEMENT MARKING - LINE 4" | FOOT | 83860 | 83860 |

| | | | |
|---|------------------------------|------------|-----------|
| FILE NAME = | USER NAME = budzynsklm | DESIGNED - | REVISED - |
| pw:\il084EBIDINTEG\ilnotes.gov\PWIDOT\Documents\DOT Office\District 3\Projects\0366J10\CADDData\0366J10-sht-cov | DRAWN - | CHECKED - | REVISED - |
| Default | PLOT SCALE = 100.0000' / in. | DATE - | REVISED - |
| | PLOT DATE = 2/4/2019 | | |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

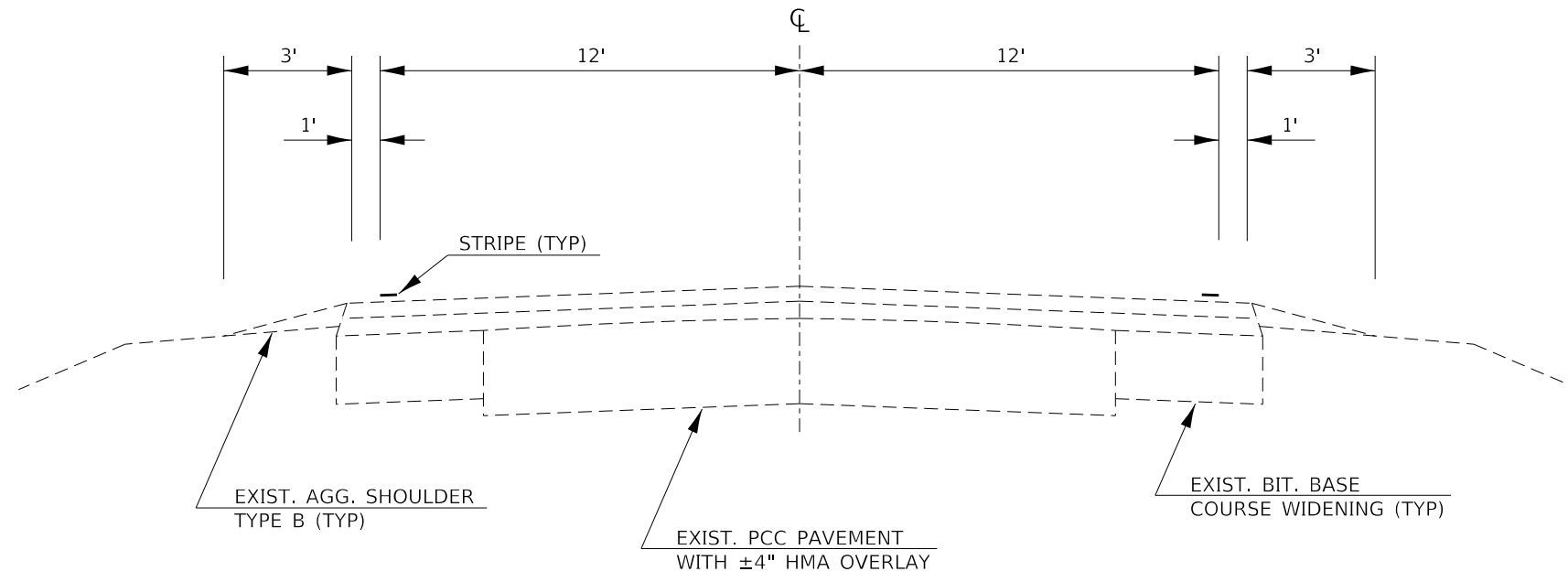
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|---------------------------|-----------|----------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 840 | (137) SFY | IROQUOIS | 8 | 3 |
| | | | CONTRACT NO. 66J10 | |
| ILLINOIS FED. AID PROJECT | | | | |

CONSTR. CODE

90% FED
10% STATE

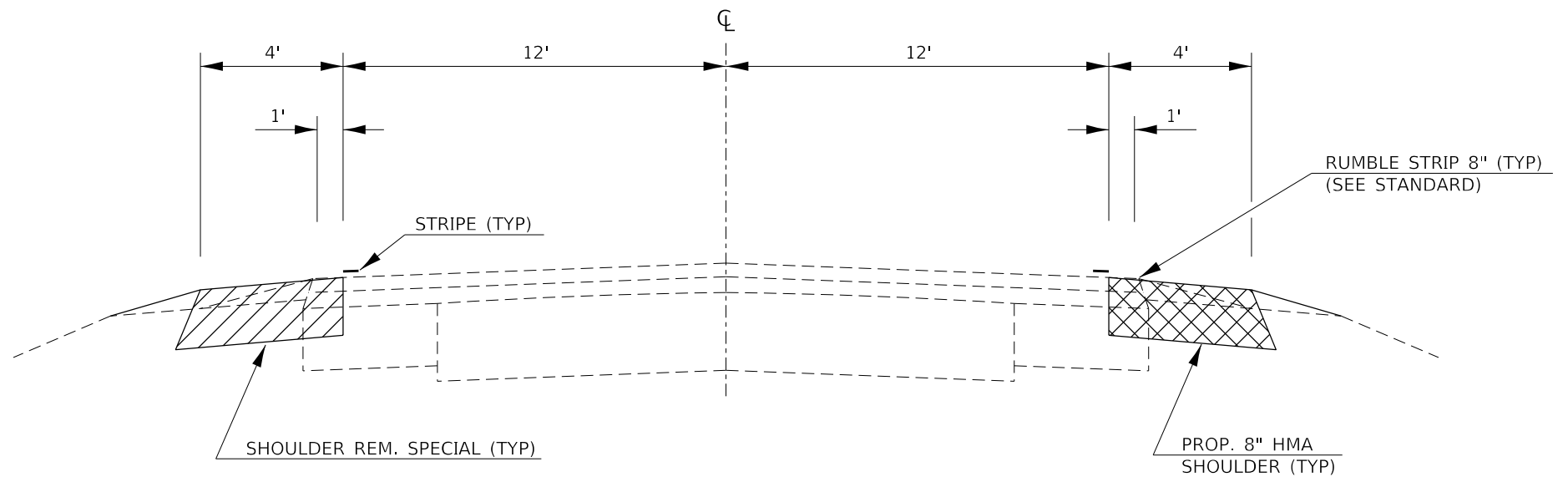
| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | ROADWAY |
|----------|-------------------------------|-------|----------------|---------------|
| | | | | 0021 RURAL |
| X0800001 | SHOULDER REMOVAL (SPECIAL) | SQ YD | 18636 | 18636 |
| Z0030850 | TEMPORARY INFORMATION SIGNING | SQ FT | 42 | 42 |

| | | | | | | | | | | | | | |
|---|------------------------------|------------|-----------|---|------------------------------|-----------------|--------------|---------------------------|-------------|-----------|----------|--------------|-----------|
| FILE NAME = | USER NAME = budzynsklm | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | SUMMARY OF QUANTITIES | | | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
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| Default | PLOT SCALE = 100.0000' / in. | CHECKED - | REVISED - | | CONTRACT NO. 66J10 | | | | | | | | |
| | PLOT DATE = 2/4/2019 | DATE - | REVISED - | | SCALE: | SHEET OF SHEETS | STA. TO STA. | ILLINOIS FED. AID PROJECT | | | | | |



EXISTING TYPICAL SECTION

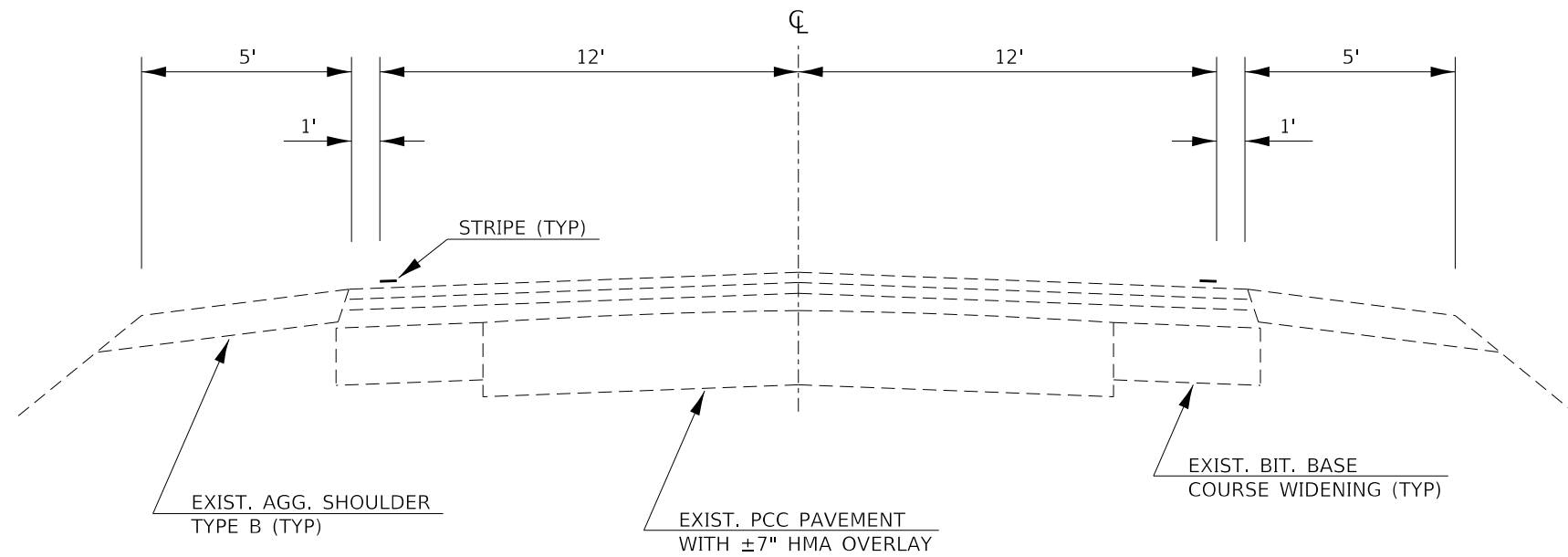
STA 824+50 TO STA 929+05



PROPOSED TYPICAL SECTION

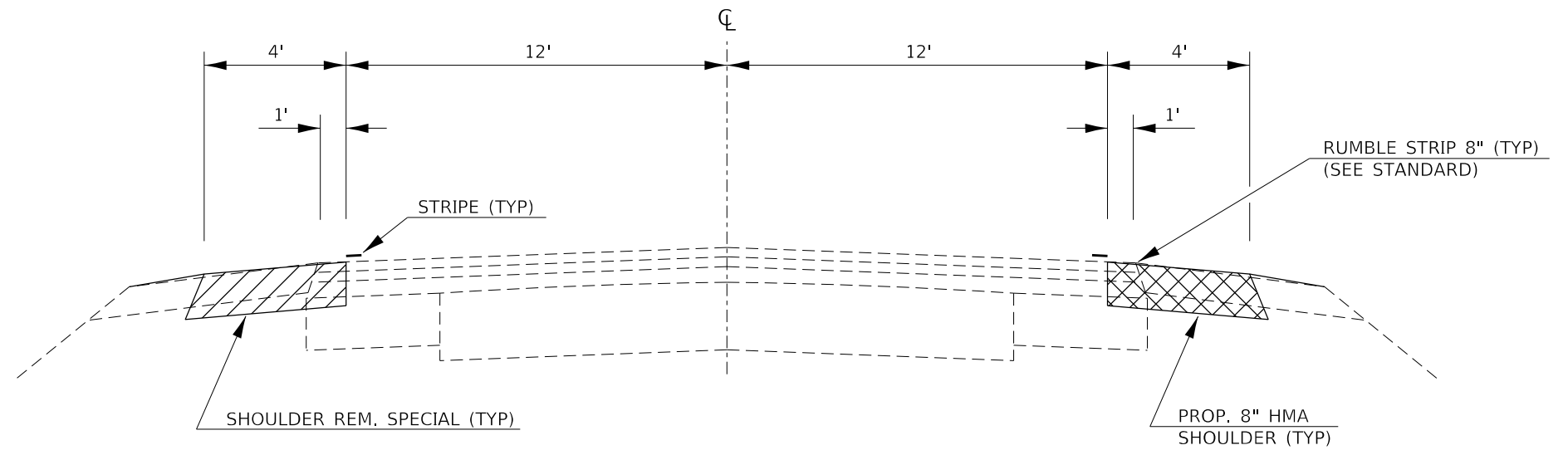
STA 824+50 TO STA 929+05

| | | | | | | | | | | | | |
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| Default | PLOT SCALE = 100.0000' / in. | CHECKED - | REVISED - | | CONTRACT NO. 66J10 | | | ILLINOIS FED. AID PROJECT | | | | |
| | PLOT DATE = 2/4/2019 | DATE - | REVISED - | | SCALE: | SHEET OF SHEETS | STA. TO STA. | | | | | |



EXISTING TYPICAL SECTION

STA 929+05 TO STA 1034+15



PROPOSED TYPICAL SECTION

STA 929+05 TO STA 1034+15

| | | | | | | | | | | | | |
|--|------------------------------|------------|-----------|---|-------------------------|-------|----|---------------------------|-----------|----------|--------------|-----------|
| FILE NAME = | USER NAME = budzynsklm | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | TYPICAL SECTIONS | | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
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| Default | PLOT SCALE = 100.0000' / in. | CHECKED - | REVISED - | | CONTRACT NO. 66J10 | | | ILLINOIS FED. AID PROJECT | | | | |
| | PLOT DATE = 2/4/2019 | DATE - | REVISED - | | SCALE: | SHEET | OF | SHEETS | STA. | TO | STA. | |

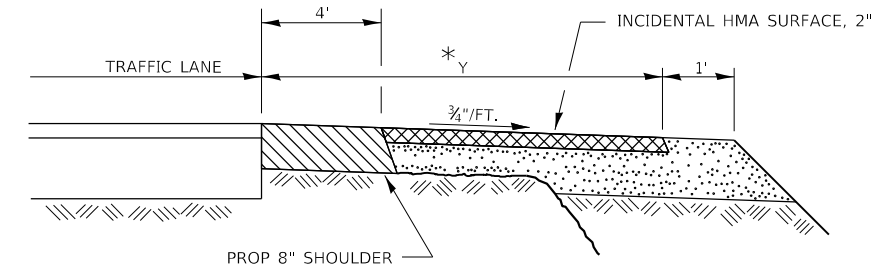
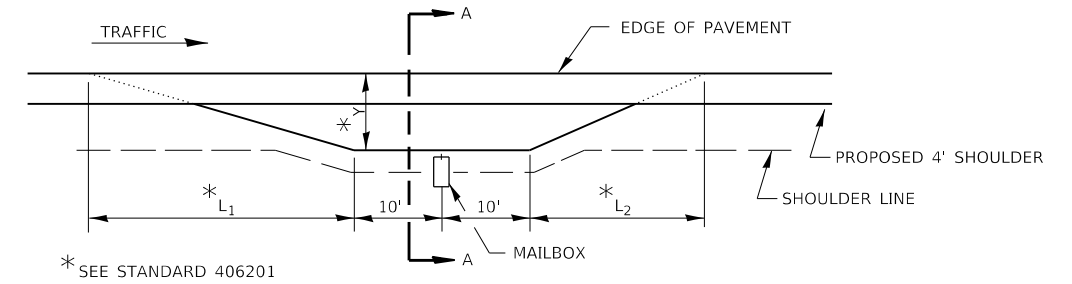
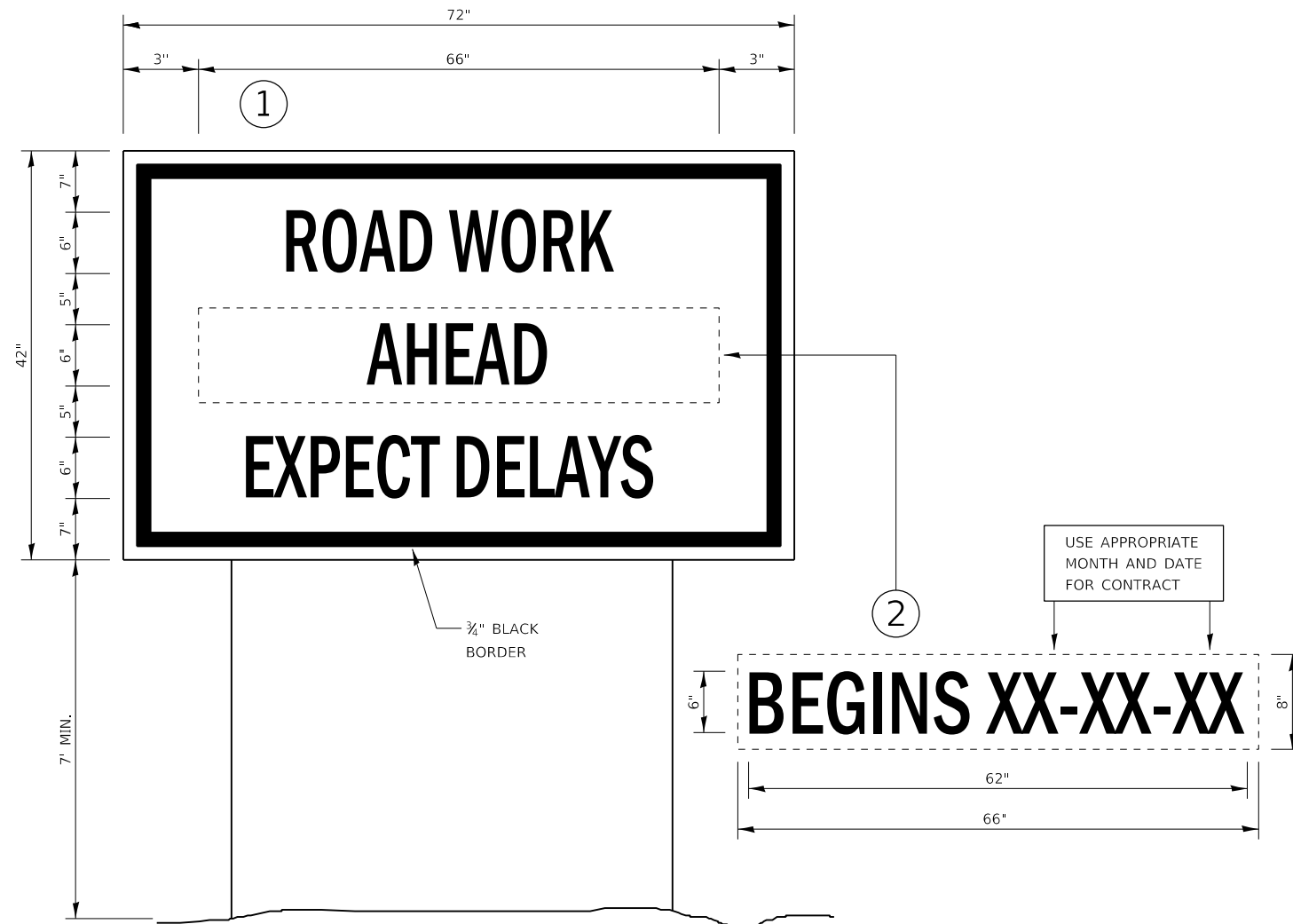
| SHOULDER REMOVAL & REPLACEMENT SCHEDULE | | | | | | | | | |
|---|----|---------|---------|--------------|----------------------------|------------------|--------------------|---------------------------|------------------------------|
| LOCATION | | | SIDE | LENGTH | SHOULDER REMOVAL (SPECIAL) | HMA SHOULDERS 8" | BIT MTLs TACK COAT | SHOULDER RUMBLE STRIPS 8" | *PAINT PVMT MARKING WHITE 4" |
| STA | TO | STA | LT / RT | FOOT | SQ YD | SQ YD | POUND | FOOT | FOOT |
| 824+50 | TO | 1034+15 | LT & RT | 20965 | 18636 | 18636 | 8386 | 41930 | 83860 |
| TOTAL | | | | 20965 | 18636 | 18636 | 8386 | 41930 | 83860 |

*QUANTITY REPRESENTS TWO SEPARATE APPLICATIONS

| MAILBOX TURNOUT REMOVAL & REPLACEMENT SCHEDULE | | | |
|--|---------------------|------------------------|--------------------|
| STA / SIDE | HMA SURF REMOVAL 2" | INCIDENTAL HMA SURF 2" | BIT MTLs TACK COAT |
| | SQ YD | TON | POUND |
| 826+22 LT | 15.0 | 1.7 | 7 |
| 838+56 LT | 15.0 | 1.7 | 7 |
| 844+16 LT | 15.0 | 1.7 | 7 |
| 867+58 LT | 13.0 | 1.5 | 6 |
| 908+45 LT | 13.0 | 1.5 | 6 |
| 917+96 LT | 15.0 | 1.7 | 7 |
| 962+27 LT | 15.0 | 1.7 | 7 |
| TOTAL | 101.0 | 11.5 | 47 |

THE FIRST 4 FEET OF THE MBTO ADJACENT TO THE TRAVELED WAY IS PAID AS SHOULDER REMOVAL (SPECIAL) AND HMA SHOULDERS 8". THE REMAINING AREA OF THE MBTO IS PAID AS HMA SURFACE REMOVAL 2" AND INCIDENTAL HMA SURFACE 2".

| SURVEY MONUMENT SCHEDULE | | | | | |
|--|--|------------------------|------------------------|--------------------------------|----------------|
| GPS NUMBER | DESCRIPTION | EXISTING MONUMENT TYPE | PROPOSED MONUMENT TYPE | MONUMENT RECORD TO BE RECORDED | RESPONSIBILITY |
| N/A | NO CENTERLINE CONTROL OR SECTION CORNER PERMANENT SURVEY MARKERS TO BE SET | N/A | N/A | N/A | N/A |
| <p>ALL KNOWN EXISTING PERMANENT SURVEY MARKERS AND SURVEY MONUMENTS ARE LOCATED ON THE ROAD SURFACE AND SHOULD NOT BE DISTURBED BY SHOULDER WIDENING AND RUMBLE STRIP WORK. UNKNOWN MONUMENTS MAY EXIST, AND IF FOUND THE R.E. MUST TIE AND REQUEST PLATS AND PLANS PERSONNEL TO ANALYZE AND GPS ANY MONUMENT SUBJECT TO DAMAGE OR DESTRUCTION FROM THE PROPOSED WORK, AND INFORM THEM TO RESET THESE MONUMENTS UPON JOB COMPLETION. THE R.E. IS TO INFORM THE PLATS AND PLANS SECTION TO SEARCH FOR ADDITIONAL MONUMENTS IF JOB LIMITS ARE EXPANDED DURING CONSTRUCTION. NO MONUMENT RECORDS WILL BE REQUIRED FOR THIS JOB.</p> | | | | | |

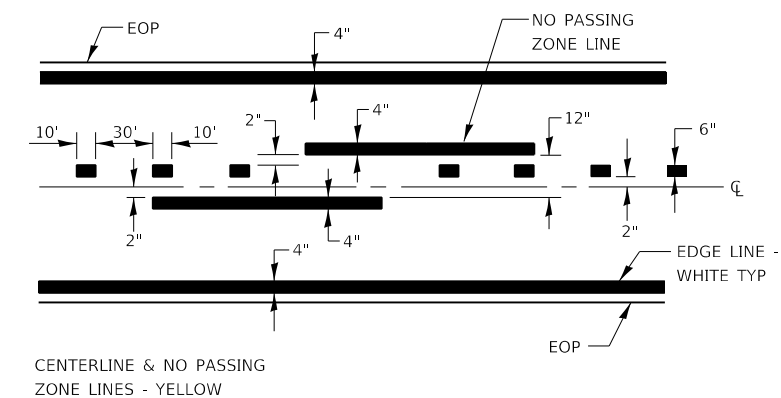


SECTION A-A
RURAL MAILBOX TURNOUT DETAILS

TEMPORARY INFORMATION SIGNING

NOTES:

1. USE 6" D BLACK LETTERING ON FLUORESCENT ORANGE BACKGROUND.
2. ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE LANE CLOSURE.
4. REMOVE PANEL ② ON THAT DATE.
5. SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. WILL BE PAID FOR PER SQ FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SQ FT AND THE DATE PANEL ② WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.



PAVEMENT MARKING

| | | | | | | | | | | | |
|---|------------------------------|------------|-----------|---|----------------|--------------------|-----------------|--------|--------------|-----------|------------------|
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