

11/18/2022 LETTING ITEM 086

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

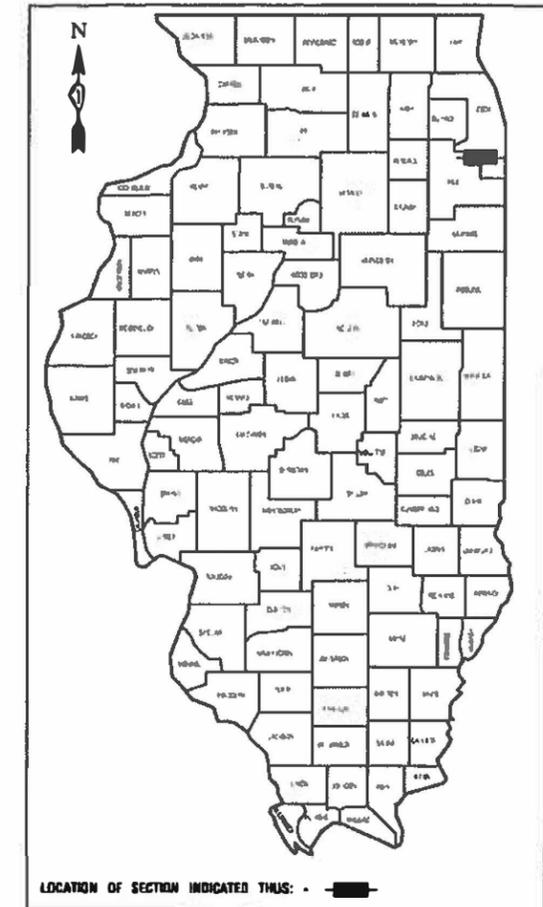
FAU ROUTE 1601 (144TH STREET)
INDIANA AVENUE TO CHICAGO ROAD
ROADWAY RESURFACING
SECTION NO.: 21-00119-00-RS
PROJECT NO.: ATSK (659)
VILLAGE of DOLTON
JOB NO.: C-91-378-22
COOK COUNTY

| F & S | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------|----------------|----------------------------|--------------|-----------|
| 1601 | 21-00119-00-RS | COOK | 22 | 1 |
| STA. | TO STA. | | | |
| PRO. ROAD DIST. NO. | LEADER | FEB. 10. PROJECT ATSK(659) | | |

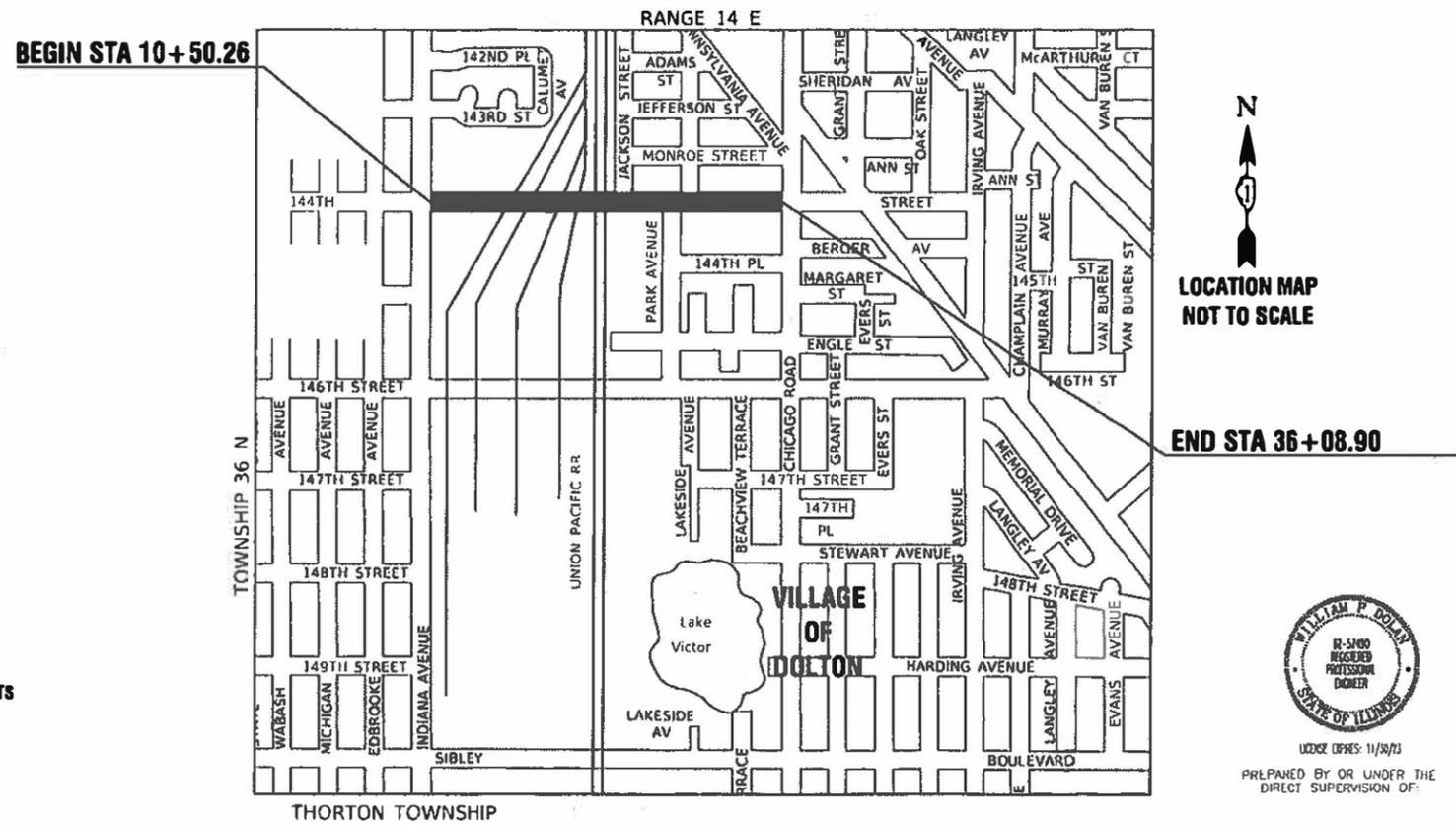
CONTRACT 61H89

INDEX OF SHEETS
SEE SHEET NO. 2

HIGHWAY STANDARDS
SEE SHEET NO. 2

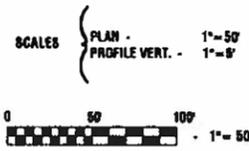


LOCATION OF SECTION INDICATED THIS: [Symbol]
FUNCTIONAL CLASSIFICATION
144TH STREET MAJOR COLLECTOR
2022 ADT = 4,000



LOCATION MAP
NOT TO SCALE

LOCATION MAP
GROSS AND NET LENGTH=2,559 FEET=0.48 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.

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

CONTRACT NO. 61H89



PREPARED BY OR UNDER THE DIRECT SUPERVISION OF:
William P. Dolan

VILLAGE OF DOLTON

Approved: *[Signature]* 11/21/22
 Passed: *[Signature]* SEPT 19, 2022
 Prepared for Bid Based on Limited Review: *[Signature]* SEPTEMBER 19, 2022
 REGIONAL ENGINEER

PRINTED BY THE AUTHORITY OF
THE STATE OF ILLINOIS

FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, P.E. SCHAUMBURG, IL
CONSULTANTS: ROBINSON ENGINEERING, LTD. 708-331-6700

INDEX OF SHEETS

| | |
|-------|--|
| 1 | COVER SHEET |
| 2 | INDEX OF SHEETS, HIGHWAY STANDARDS AND GENERAL NOTES |
| 3-6 | SUMMARY OF QUANTITIES |
| 7 | TYPICAL CROSS SECTIONS |
| 8 | ALIGNMENT AND TIES |
| 9-10 | PROPOSED RESURFACING PLAN |
| 11-12 | LANDSCAPE AND EROSION CONTROL |
| 13 | SIGNAGE REMOVAL PLAN |
| 14-15 | PAVEMENT MARKING AND PROPOSED SIGNAGE PLAN |
| 16-22 | IDOT DISTRICT 1 STANDARD DETAILS |

HIGHWAY STANDARDS

| | |
|-----------|---|
| 000001-08 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS |
| 424001-11 | PERPENDICULAR CURB RAMPS |
| 424011-04 | CORNER PARALLEL CURB RAMPS FOR SIDEWALKS |
| 424021-06 | DEPRESSED CORNER FOR SIDEWALKS |
| 442201-03 | CLASS C AND D PATCHES |
| 604001-05 | FRAMES AND LIDS TYPE 1 |
| 606001-08 | CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER |
| 701301-04 | LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS |
| 701311-03 | LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY |
| 701427-05 | LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION FOR SPEEDS \leq 40MPH |
| 701501-06 | URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED |
| 701502-09 | URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE |
| 701606-10 | URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN |
| 701701-10 | URBAN LANE CLOSURE, MULTILANE INTERSECTION |
| 701801-06 | SIDEWALK, CORNER OR CROSSWALK CLOSURE |
| 701901-08 | TRAFFIC CONTROL DEVICES |
| 780001-05 | TYPICAL PAVEMENT MARKINGS |

DISTRICT ONE DETAILS

| | |
|-------|---|
| BD-08 | DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING |
| BD-22 | PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT |
| BD-32 | BUTT JOINT AND HMA TAPER DETAILS |
| TC-10 | TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS |
| TC-13 | DISTRICT ONE TYPICAL PAVEMENT MARKINGS |
| TC-16 | SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS |
| TC-22 | ARTERIAL ROAD INFORMATION SIGN |

GENERAL NOTES

- ALL CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2022 AND THE SUPPLEMENTAL SPECIFICATION AND RECURRING SPECIAL PROVISIONS ADOPTED JANUARY 1, 2022.
- ITEMS OF WORK LISTED IN THE SUMMARY OF QUANTITIES NOT SPECIFICALLY CALLED OUT ON THE PLANS SHALL BE PERFORMED AS DIRECTED BY THE ENGINEER.
- THE ROBINSON ENGINEERING, LTD. FIELD OFFICE (708-331-6700), AND THE PUBLIC WORKS DIRECTOR, AT THE VILLAGE OF DOLTON, SHALL BE NOTIFIED TWO (2) WORKING DAYS BEFORE CONSTRUCTION BEGINS.
- BEFORE STARTING ANY EXCAVATION THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 AND (312) 744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. (48 HOUR NOTIFICATION REQUIRED)
- UTILITIES INDICATED ON THE PLANS ARE PROVIDED FOR THE CONTRACTOR'S USE AND ARE BASED UPON INFORMATION AVAILABLE AT THE TIME OF THE ADVERTISEMENT FOR BIDS. THE OWNER AND ENGINEER DO NOT GUARANTEE THE ACCURACY OF UTILITY INFORMATION.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE THICKNESS OF HMA MIXTURE STATED IN THE SPECIFICATIONS 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 SURFACE IS PLACED.
- ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS OR OTHER DRAINAGE STRUCTURES SHALL BE REMOVED BY THE END OF EACH DAY BY THE CONTRACTOR.
- CLASS D PATCHING QUANTITIES FOR THIS CONTRACT SHALL BE PERFORMED AT THE DIRECTION OF THE ENGINEER AFTER PAVEMENT MILLING.
- CONTRACTOR SHALL TAKE PRECAUTION BY PRESERVING EXISTING TREES WITHIN THE RIGHT OF WAY. IF ANY DAMAGE OCCURS, TREES SHALL BE REPLACED IN KIND PER ARTICLE 201.07 REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL REQUIREMENTS STATED HEREIN.
- NO PAVEMENT PATCHING SHALL BE PERMITTED AFTER FRIDAY AT 3:00 PM OF EACH AND EVERY WEEK AND NO HOLES WILL BE ALLOWED TO REMAIN OPEN OVERNIGHT OR OVER THE WEEKEND.
- ALL EQUIPMENT SHALL BE REMOVED OFF THE VILLAGE STREETS DURING ALL HOLIDAY WEEKENDS AS COORDINATED WITH THE VILLAGE.
- HMA PAVING SHALL BE PERFORMED WITH HOT JOINTS. JOINTS SHALL NOT BE LEFT OPEN OVERNIGHT.
- IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COORDINATE WITH THE UNION PACIFIC RAILROAD WHENEVER CONSTRUCTION ACTIVITY IS WITHIN 25 FEET OF THE RAILROAD ROW. THE CONTRACTOR SHALL RETAIN FLAGMEN EMPLOYED AND DESIGNATED BY THE UNION PACIFIC RAILROAD TO MONITOR ON-COMING TRAIN TRAFFIC, AND ADVISE CONTRACTOR PERSONNEL WHEN ACTIVITY ON OR NEAR THE RAILROAD RIGHT-OF-WAY MAY PROCEED. THIS ITEM WILL BE PAID FOR ACCORDING TO ARTICLE 107.12 AND WILL BE REIMBURSED ACCORDING TO ARTICLE 109.05.
- THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR, AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE CONTRACTOR SHALL TAKE PRECAUTION BY PRESERVING EXISTING TREES WITHIN THE RIGHT OF WAY. IF ANY DAMAGE OCCURS, TREES SHALL BE REPLACED IN KIND PER ARTICLE 201.07 REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL REQUIREMENTS STATED HEREIN.

| | | | | | | | | | | | | |
|------------------------------------|------------------------|-----------------|------------|---|---|--------------------------|--------------|-----------------------|----------------|------------------|--------------|-----------|
| FILE NAME = 21R0918-NOTES-01 - P01 | USER NAME = | DESIGNED -- KJD | REVISED -- | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | ROADWAY RESURFACING FAU ROUTE 1691 (144TH STREET) INDEX OF SHEETS, STANDARDS & GENERAL NOTES | | | F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | CHECKED -- WPD | REVISED -- | | | | | 1601 | 21-00119-00-RS | COOK | 22 | 2 |
| | PLOT SCALE = | DRAWN -- MD | REVISED -- | | CONTRACT NO. 61H89 | | | | | | | |
| | PLOT DATE = 04-15-2022 | CHECKED -- AG | REVISED -- | | SCALE: NONE | SHEET NO. 2 OF 22 SHEETS | STA. TO STA. | FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | ATSK(659) | |

| SUMMARY OF QUANTITIES | | | | | | FED 100% VILLAGE 0% ROADWAY | FED 100% VILLAGE 0% SAFETY |
|-----------------------|------|----------|---|-------|-------------------|-----------------------------------|----------------------------------|
| S.P. | S.I. | CODE NO. | ITEM | UNIT | TOTAL QUANTITY | CONSTRUCTION TYPE CODE | |
| | | | | | | 0005 | 0021 |
| | | 21101615 | TOPSOIL FURNISH AND PLACE, 4" | SQ YD | 425 | 425 | |
| | | 25200110 | SODDING, SALT TOLERANT | SQ YD | 425 | 425 | |
| | | 25200200 | SUPPLEMENTAL WATERING | UNIT | 13 | 13 | |
| | | 28000250 | TEMPORARY EROSION CONTROL SEEDING | POUND | 10 | 10 | |
| | | 28000510 | INLET FILTERS | EACH | 14 | 14 | |
| | | 35101600 | AGGREGATE BASE COURSE, TYPE B 4" | SQ YD | 566 | | 566 |
| | | 35800100 | PREPARATION OF BASE | SQ YD | 121 | 121 | |
| | | 35800200 | AGGREGATE BASE REPAIR | TON | 46 | 46 | |
| Δ | | 40201000 | AGGREGATE FOR TEMPORARY ACCESS | TON | 5 | 5 | |
| | | 40600290 | BITUMINOUS MATERIALS (TACK COAT) | POUND | 2508 | 2508 | |
| | | 40600370 | LONGITUDINAL JOINT SEALANT | FOOT | 5129 | 5129 | |
| | | 40600400 | MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS | TON | 5 | 5 | |
| | | 40600982 | HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT | SQ YD | 55 | 55 | |
| | | 40603200 | POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, 1L-4.75, N50 | TON | 483 | 483 | |
| | | 40604060 | HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5, MIX "D", N50 | TON | 965 | 965 | |
| Δ | * | 42300300 | PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH | SQ YD | 86 | 86 | |

* - INDICATES SPECIALITY ITEM
Δ - INDICATES SPECIAL PROVISION

FILE NAME = 21R0918-NOTES-01 - 07Y01

| | | |
|------------------------|-----------------|------------|
| USER NAME = | DESIGNED -- KJD | REVISED -- |
| | CHECKED -- WPD | REVISED -- |
| PLOT SCALE = | DRAWN -- MD | REVISED -- |
| PLOT DATE = 04-15-2022 | CHECKED -- AG | REVISED -- |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDIANA AVENUE TO CHICAGO ROAD
ROADWAY RESURFACING FAU ROUTE 1691 (144TH STREET)
SUMMARY OF QUANTITIES

| | | | | |
|------------------------|---------------------------|----------------|---|-------------------|
| F.A.U. RTE. 1601 | SECTION 21-00119-00-RS | COUNTY COOK | TOTAL SHEETS 22 | SHEET NO. 3 |
| CONTRACT NO. 61H89 | | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ATSK(659) | |

SCALE: NONE SHEET NO. 3 OF 22 SHEETS STA. TO STA.

| SUMMARY OF QUANTITIES | | | | | | FED 100% VILLAGE 0% ROADWAY | FED 100% VILLAGE 0% SAFETY |
|-----------------------|------|----------|---|-------|-------------------|-----------------------------------|----------------------------------|
| S.P. | S.I. | CODE NO. | ITEM | UNIT | TOTAL QUANTITY | CONSTRUCTION TYPE CODE | |
| | | | | | | 0005 | 0021 |
| Δ | | 42400200 | PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH | SQ FT | 3641 | | 3641 |
| Δ | | 42400400 | PORTLAND CEMENT CONCRETE SIDEWALK 7 INCH | SQ FT | 1442 | | 1442 |
| | | 42400800 | DETECTABLE WARNINGS | SQ FT | 140 | | 140 |
| | | 44000157 | HOT-MIX ASPHALT SURFACE REMOVAL, 2" | SQ YD | 11145 | 11145 | |
| Δ | | 44000200 | DRIVEWAY PAVEMENT REMOVAL | SQ YD | 273 | 273 | |
| | | 44000500 | COMBINATION CURB AND GUTTER REMOVAL | FOOT | 840 | 840 | |
| Δ | | 44000600 | SIDEWALK REMOVAL | SQ FT | 5216 | | 5216 |
| Δ | | 44201761 | CLASS D PATCHES, TYPE I, 10 INCH | SQ YD | 4 | 4 | |
| Δ | | 44201765 | CLASS D PATCHES, TYPE II, 10 INCH | SQ YD | 29 | 29 | |
| Δ | | 44201769 | CLASS D PATCHES, TYPE III, 10 INCH | SQ YD | 58 | 58 | |
| Δ | | 44201771 | CLASS D PATCHES, TYPE IV, 10 INCH | SQ YD | 30 | 30 | |
| Δ | | 48101498 | AGGREGATE SHOULDERS, TYPE B 4" | SQ YD | 51 | | 51 |
| | | 60601805 | CONCRETE CURB TRANSITION | FOOT | 30 | 30 | |
| | | 60603800 | COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 | FOOT | 11 | 11 | |
| | | 60608562 | COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12 | FOOT | 802 | 802 | |

* - INDICATES SPECIALITY ITEM
Δ - INDICATES SPECIAL PROVISION

FILE NAME = 21R0918-NOTES-01 - QTY02

| | | |
|------------------------|-----------------|------------|
| USER NAME = | DESIGNED -- KJD | REVISED -- |
| | CHECKED -- WPD | REVISED -- |
| PLOT SCALE = | DRAWN -- MD | REVISED -- |
| PLOT DATE = 04-15-2022 | CHECKED -- AG | REVISED -- |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDIANA AVENUE TO CHICAGO ROAD
ROADWAY RESURFACING FAU ROUTE 1691 (144TH STREET)
SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 4 OF 22 SHEETS STA. TO STA.

| | | | | |
|---|---------------------------|----------------|-----------------------|-------------------|
| F.A.U. RTE. 1691 | SECTION 21-03119-00-RS | COUNTY COCK | TOTAL SHEETS 22 | SHEET NO. 4 |
| CONTRACT NO. 61H89 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ATSK(059) | | | | |

| SUMMARY OF QUANTITIES | | | | | | FED 100% VILLAGE 0% | FED 100% VILLAGE 0% |
|-----------------------|------|----------|--|-------|-------------------|---------------------------------|-----------------------------|
| S.P. | S.I. | CODE NO. | ITEM | UNIT | TOTAL QUANTITY | ROADWAY CONSTRUCTION 0005 | SAFETY TYPE CODE 0021 |
| | | 67100100 | MOBILIZATION | LSUM | 1 | 1 | |
| | | 70102620 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701501 | LSUM | 1 | 1 | |
| | | 70102622 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701502 | LSUM | 1 | 1 | |
| | | 70102625 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701606 | LSUM | 1 | 1 | |
| | | 70102640 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701801 | LSUM | 1 | 1 | |
| | | 70300100 | SHORT TERM PAVEMENT MARKING | FOOT | 1,886 | | 1,886 |
| | | 70300150 | SHORT TERM PAVEMENT MARKING REMOVAL | SQ FT | 686 | | 686 |
| | * | 72000100 | SIGN PANEL - TYPE 1 | SQ FT | 95 | | 95 |
| | | 72400200 | REMOVE SIGN PANEL ASSEMBLY - TYPE B | EACH | 13 | | 13 |
| | | 72400310 | REMOVE SIGN PANEL - TYPE 1 | SQ FT | 28 | | 28 |
| | * | 72900200 | METAL POST - TYPE B | FOOT | 137 | | 137 |
| | * | 78000100 | THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS | SQ FT | 224 | | 224 |
| | * | 78000200 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" | FOOT | 7544 | | 7544 |
| | * | 78000400 | THERMOPLASTIC PAVEMENT MARKING - LINE 6" | FOOT | 442 | | 442 |
| | * | 78000600 | THERMOPLASTIC PAVEMENT MARKING - LINE 12" | FOOT | 170 | | 170 |
| | * | 78000650 | THERMOPLASTIC PAVEMENT MARKING - LINE 24" | FOOT | 168 | | 168 |

* - INDICATES SPECIALITY ITEM
 Δ - INDICATES SPECIAL PROVISION

FILE NAME = 21R0918-NOTES-01 - QTY03

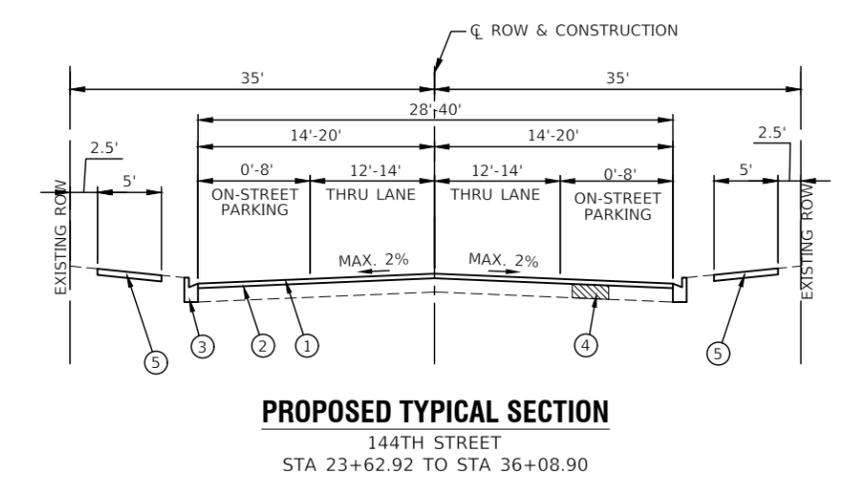
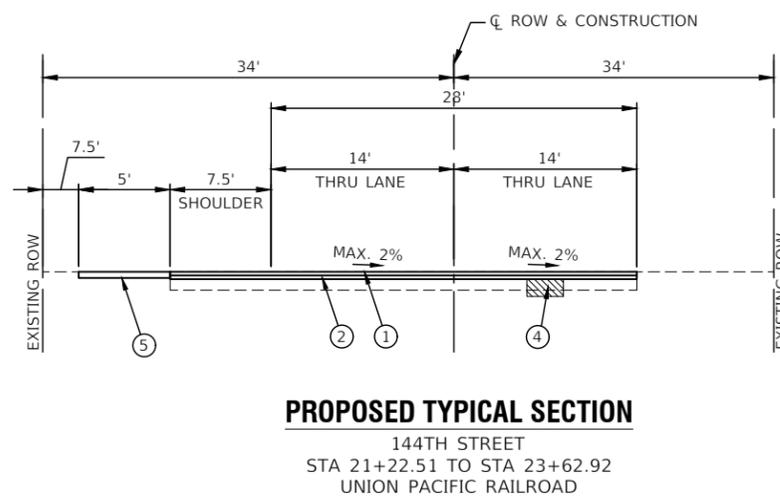
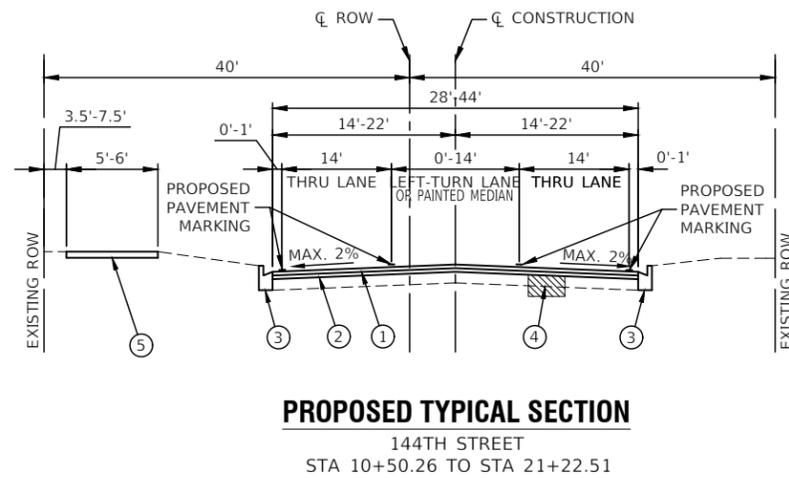
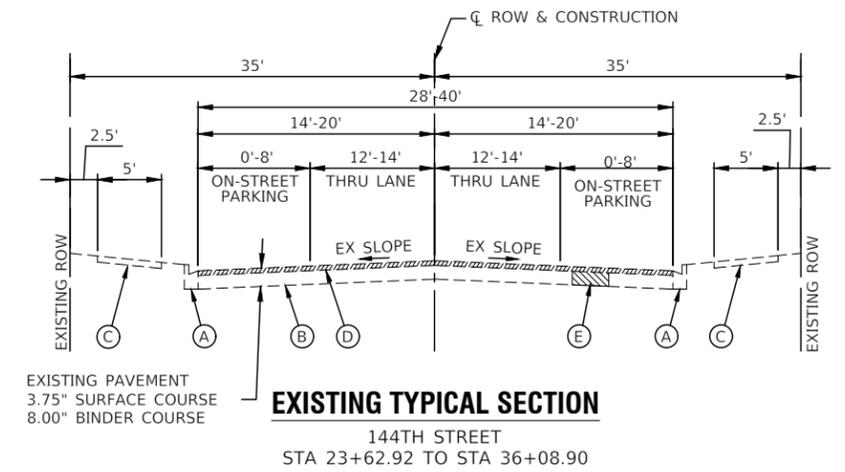
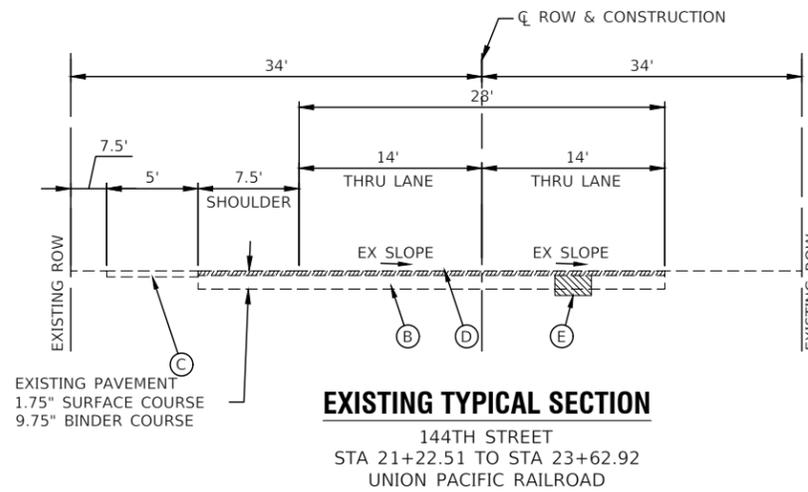
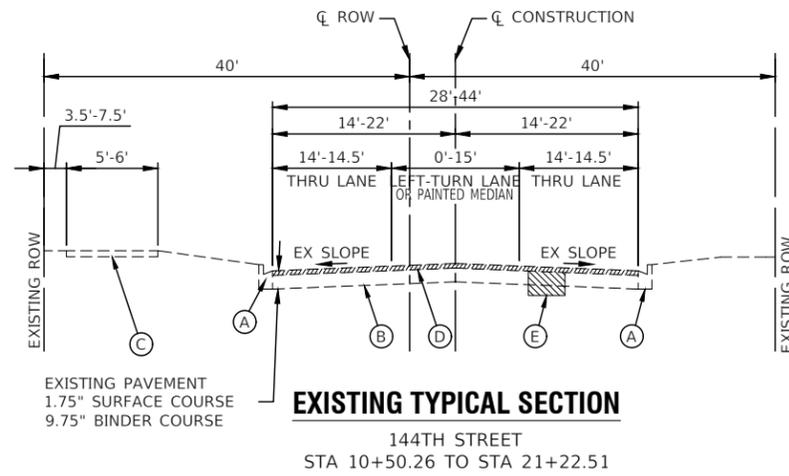
| | | |
|------------------------|-----------------|------------|
| USER NAME = | DESIGNED -- KJD | REVISED -- |
| | CHECKED -- WPD | REVISED -- |
| PLOT SCALE = | DRAWN -- MD | REVISED -- |
| PLOT DATE = 04-15-2022 | CHECKED -- AG | REVISED -- |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

| | | | | | | |
|---|--------------------------|------------------------|---------------------------|-----------------------|-----------------------|----------------------------|
| INDIANA AVENUE TO CHICAGO ROAD ROADWAY RESURFACING FAU ROUTE 1691 (144TH STREET) | | F.A.U. RTE. 1691 | SECTION 21-00119-00-RS | COUNTY COOK | TOTAL SHEETS 22 | SHEET NO. 5 |
| SUMMARY OF QUANTITIES | | CONTRACT NO. 61H89 | | | | |
| SCALE: NONE | SHEET NO. 5 OF 22 SHEETS | STA. | TO STA. | FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT ATSK(659) |

| SUMMARY OF QUANTITIES | | | | | | FED 100% VILLAGE 0% | FED 100% VILLAGE 0% |
|-----------------------|------|----------|---|-------|-------------------|------------------------|------------------------|
| S.P. | S.I. | CODE NO. | ITEM | UNIT | TOTAL QUANTITY | ROADWAY | SAFETY |
| | | | | | | CONSTRUCTION TYPE CODE | |
| | | | | | | 0005 | 0021 |
| | * | 88600600 | DETECTOR LOOP REPLACEMENT | FOOT | 366 | | 366 |
| Δ | | X4421672 | CLASS D PATCHES, TYPE II, 11 INCH (SPECIAL) | SQ YD | 5 | 5 | |
| Δ | | Z0004522 | HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 6" | SQ YD | 67 | 67 | |
| Δ | | Z0017400 | DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED | EACH | 40 | 40 | |
| Δ | | Z0017700 | DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED | EACH | 1 | 1 | |
| | | Z0030850 | TEMPORARY INFORMATION SIGNING | SQ FT | 52 | | 52 |
| | | Z0048665 | RAILROAD PROTECTIVE LIABILITY INSURANCE | LSUM | 1 | 1 | |
| # | | Z0076600 | TRAINEES | HOUR | 500 | 500 | |
| # | | Z0076604 | TRAINEES TRAINING PROGRAM GRADUATE | HOUR | 500 | 500 | |

* - INDICATES SPECIALITY ITEM
Δ - INDICATES SPECIAL PROVISION
- 0042



EXISTING LEGEND

- (A) EXISTING CURB AND GUTTER TO BE REMOVED AT LOCATIONS AS SHOWN ON PLANS OR DIRECTED BY THE ENGINEER.
- (B) EXISTING HOT-MIX ASPHALT PAVEMENT (11.5" TO 11.75" PER CORES)
- (C) EXISTING PORTLAND CEMENT CONCRETE SIDEWALK TO BE REMOVED AT LOCATIONS AS SHOWN ON PLANS OR DIRECTED BY THE ENGINEER.
- (D) HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- (E) PAVEMENT REMOVAL FOR CLASS D PATCHES, 10"

PROPOSED LEGEND

- ① HOT MIX ASPHALT SURFACE COURSE, MIX "D", N50, IL-9.5, 1-1/2"
- ② POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- ③ COMBINATION CONCRETE CURB AND GUTTER, AT LOCATIONS AS SHOWN ON PLANS OR DIRECTED BY THE ENGINEER
- ④ CLASS D PATCHES, 6 INCH PREPARATION OF BASE, AGGREGATE BASE REPAIR, AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER
- ⑤ PORTLAND CEMENT CONCRETE SIDEWALK, 5" OR 7" AT LOCATIONS AS SHOWN ON PLANS OR DIRECTED BY THE ENGINEER

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

| MIXTURE TYPE | AIR VOIDS @ NDES | QMP |
|---|------------------|-----------|
| RESURFACING | | |
| HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 (1.5") | 4% @ 50 Gyr. | LR 1030-2 |
| POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, (0.75") | 3.5% @ 50 Gyr. | LR 1030-2 |
| CLASS D PATCHES | | |
| CLASS D PATCHES, TYPE SPECIFIED, 10' (HMA BINDER IL-19.0mm) | 4% @ 70 Gyr. | LR 1030-2 |
| CLASS D PATCHES, TYPE II, 11" (SPECIAL) | | |
| HMA SURFACE COURSE IL-9.5, MIX "D", N50 (2") | 4% @ 50 Gyr. | LR 1030-2 |
| HMA BINDER COURSE IL-19.0, N70 (9") | 4% @ 70 Gyr. | LR 1030-2 |
| DRIVEWAYS | | |
| HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50 (2") | 4% @ 50 Gyr. | LR 1030-2 |
| HOT-MIX ASPHALT BINDER COURSE, IL-19.0mm, N50 (4") | 4% @ 50 Gyr. | LR 1030-2 |
| QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR1030-2 | | |

NOTES:

1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SY/IN.
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.
3. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50.

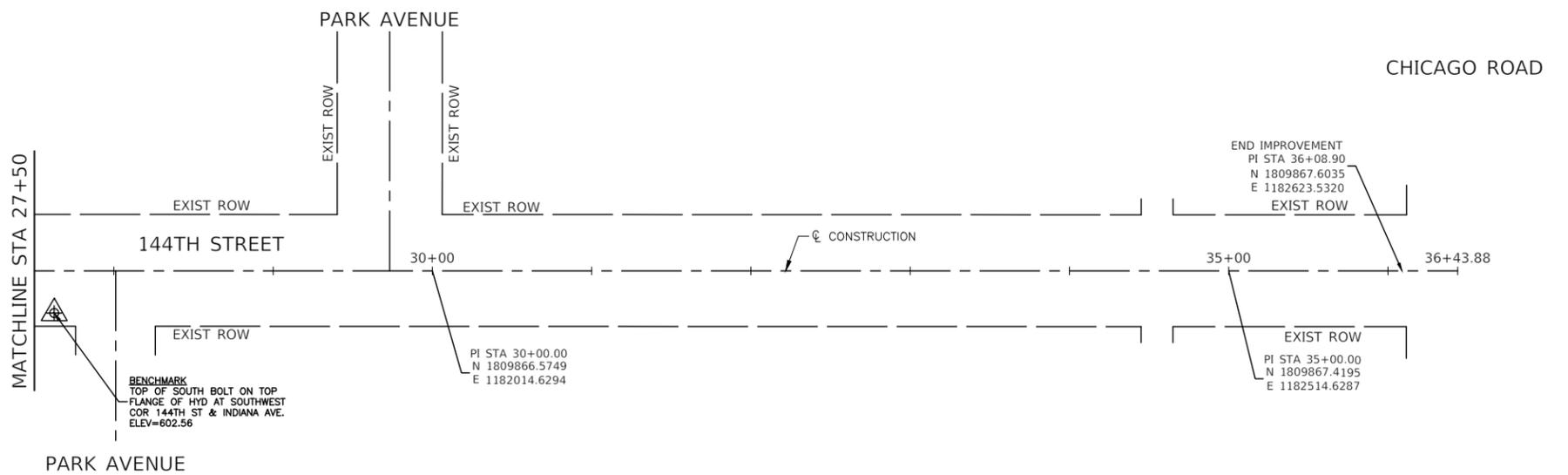
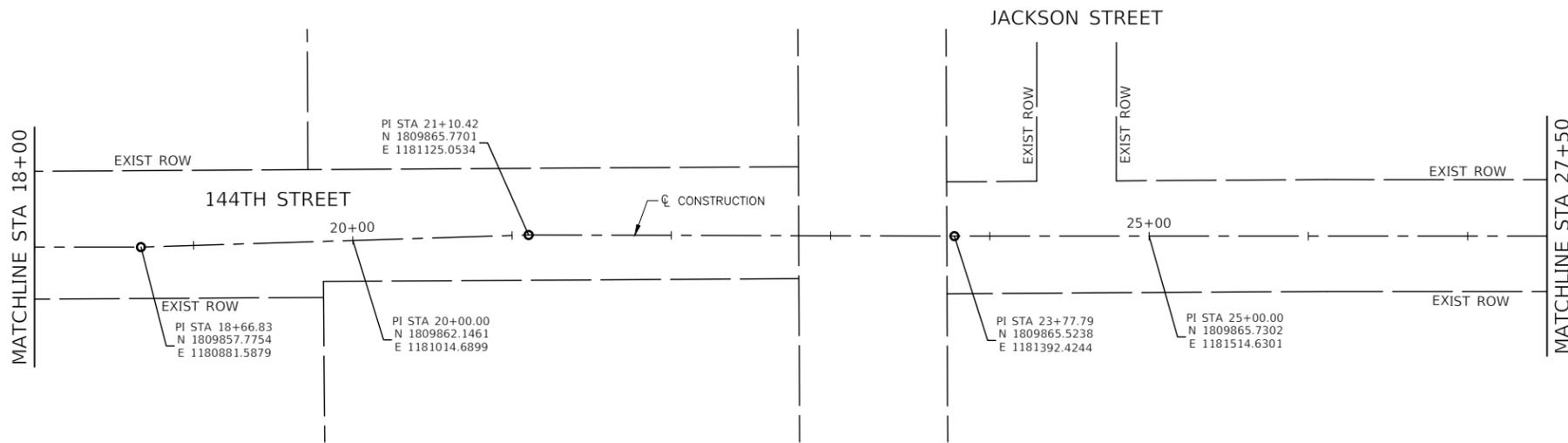
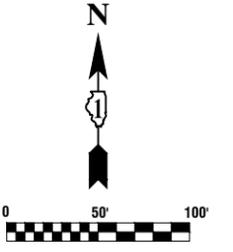
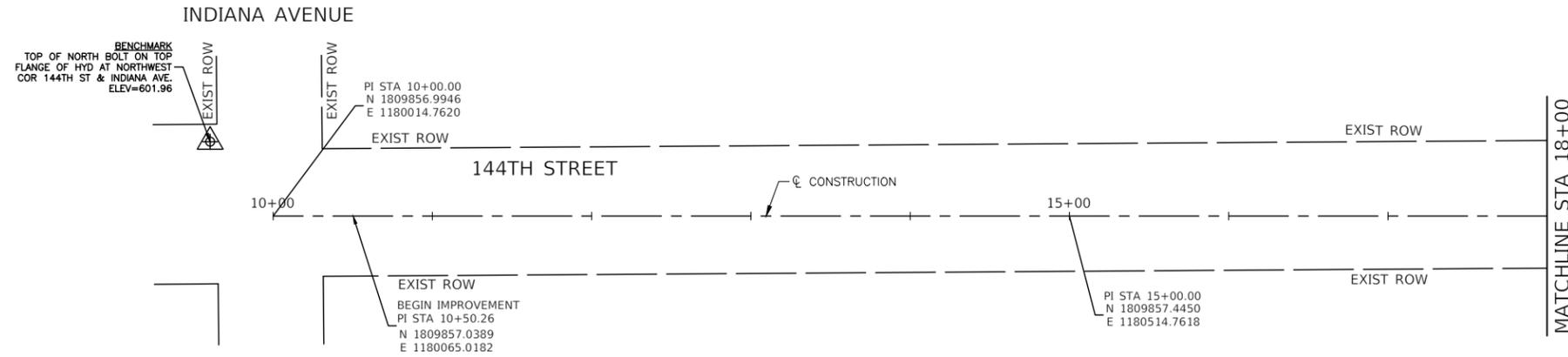
| | | | |
|---|------------------------|-----------------|------------|
| FILE NAME = 21R0918-TYPX-01 - TYPX(22X34) | USER NAME = | DESIGNED -- KJD | REVISED -- |
| | | CHECKED -- WPD | REVISED -- |
| | PLOT SCALE = | DRAWN -- MED | REVISED -- |
| | PLOT DATE = 04-15-2022 | CHECKED -- AG | REVISED -- |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDIANA AVENUE TO CHICAGO ROAD
ROADWAY RESURFACING FAU ROUTE 1691 (144TH STREET)
TYPICAL CROSS SECTIONS

SCALE: NONE SHEET NO. 7 OF 22 SHEETS STA. TO STA.

| | | | | |
|---|----------------|--------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1601 | 21-00119-00-RS | COOK | 22 | 7 |
| CONTRACT NO. 61H89 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ATSK(659) | | | | |



BENCHMARK
 TOP OF NORTH BOLT ON TOP FLANGE OF HYD AT NORTHWEST COR
 144TH ST & INDIANA AVE.
 ELEV=601.96

TOP OF SOUTH BOLT ON TOP FLANGE OF HYD AT SOUTHWEST COR
 144TH ST & INDIANA AVE.
 ELEV=602.56

FILE NAME = 21R0918-TIES-01 - IDOT P01

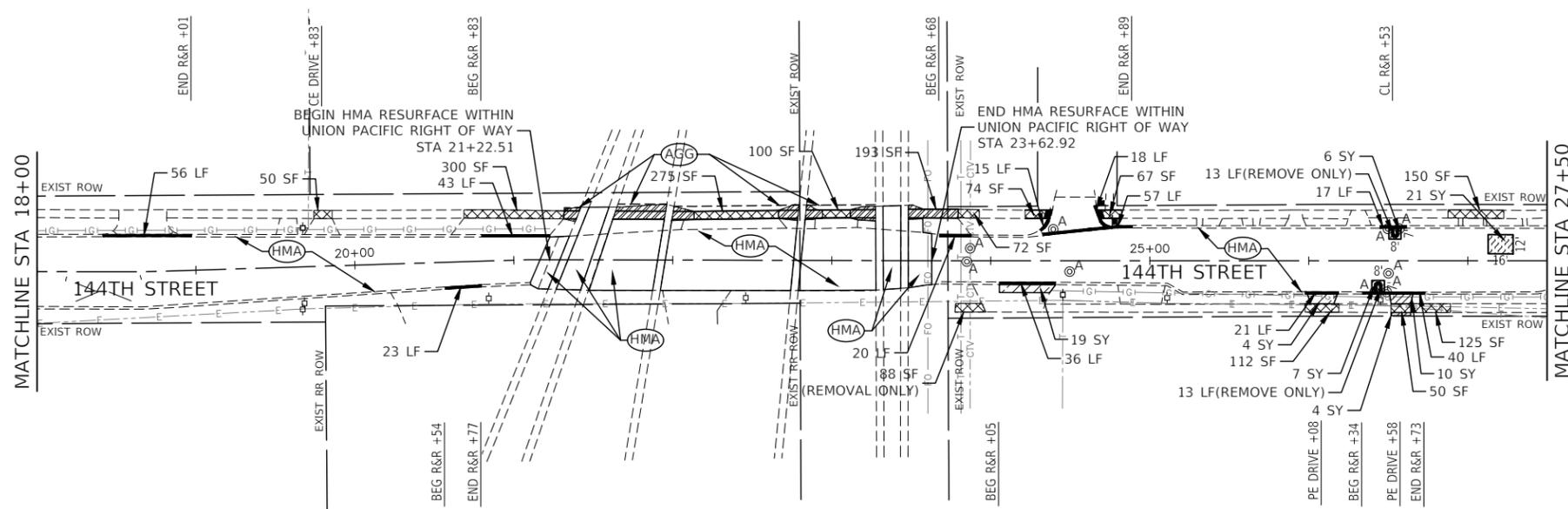
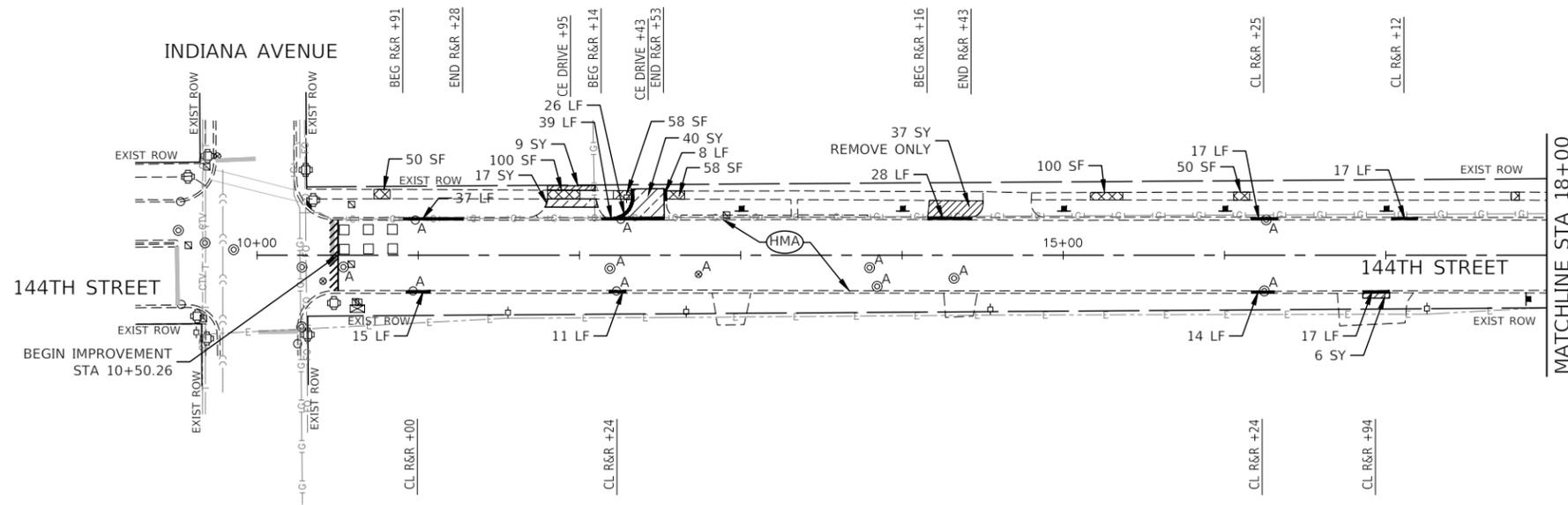
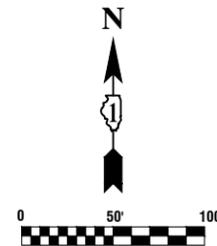
| | | |
|------------------------|-----------------|------------|
| USER NAME = | DESIGNED -- KJD | REVISED -- |
| | CHECKED -- WPD | REVISED -- |
| PLOT SCALE = | DRAWN -- MED | REVISED -- |
| PLOT DATE = 04-15-2022 | CHECKED -- AG | REVISED -- |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

INDIANA AVENUE TO CHICAGO ROAD
 ROADWAY RESURFACING FAU ROUTE 1691 (144TH STREET)
 ALIGNMENT AND TIES PLAN

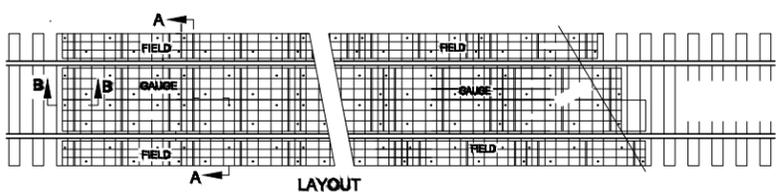
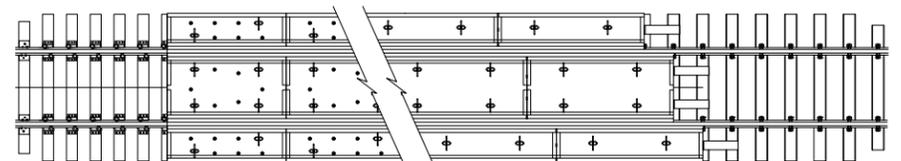
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------------|--------|--------------|-----------|
| 1601 | 21-00119-00-RS | COOK | 22 | 8 |
| CONTRACT NO. 61H89 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ATSK(659) | | | | |

SCALE: 1"=50' SHEET NO. 8 OF 22 SHEETS STA. TO STA.



LEGEND

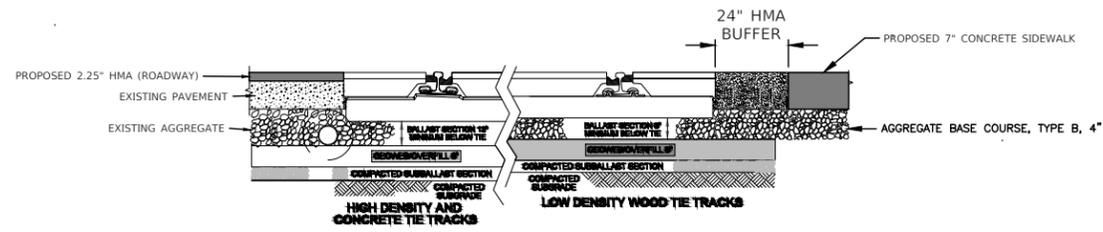
- (HMA) HMA ASPHALT SURFACE REMOVAL, 2" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4" HOT-MIX SURFACE COURSE MIX "D", IL-9.5 N50, 1 1/2"
- (AGG) AGGREGATE SHOULDERS, TYPE B 4"
- SIDWALK REMOVAL
PCC SIDEWALK, 5" (7" THRU DRIVEWAYS) AGGREGATE BASE COURSE, TYPE B, 4"
- HMA REMOVAL
PCC SIDEWALK, 7" AGGREGATE BASE COURSE, TYPE B, 4"
- 10" CLASS D PATCHES
- DRIVEWAY PAVEMENT REMOVAL
HMA DRIVEWAY PAVEMENT, 6"
- DRIVEWAY PAVEMENT REMOVAL
PCC DRIVEWAY PAVEMENT, 7"
- COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (IN KIND)
- HMA SURFACE REMOVAL - BUTT JOINT
- (DW) DETECTABLE WARNINGS
- "A" DRAINAGE AND UTILITY STRUCTURES TO BE ADJUSTED
- "R" DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED
- ⊗"A" VALVE BOXES TO BE ADJUSTED
- DETECTOR LOOP REMOVE AND REPLACE
- BEG R&R +XX BEGIN STATION FOR CURB AND GUTTER REMOVAL AND REPLACEMENT
- END R&R +XX END STATION OF CURB AND GUTTER REMOVAL AND REPLACEMENT
- CL R&R +XX CENTER STATION OF CURB AND GUTTER REMOVAL AND REPLACEMENT (UNDER 20 LINEAL FEET)



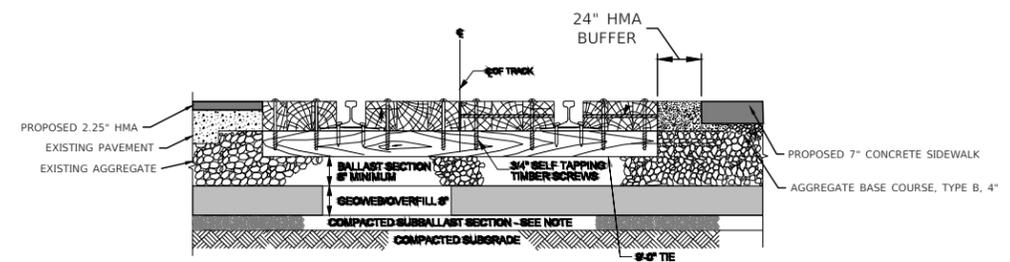
PLAN VIEW OF PANEL WITH TIMBER TIES

PLAN VIEW OF PANEL & JOINT WELD LOCATION W/CONCRETE TIES

LAYOUT



TYPICAL CONCRETE CROSSING DETAIL



TYPICAL TIMBER CROSSING DETAIL

NOTES

- 1.) HMA PAVEMENT RESURFACING SHALL BE DONE UP TO THE CONCRETE & TIMBER PANELS. IN AREAS WHERE 7" CONCRETE SIDEWALK IS PROPOSED WITHIN THE RAILROAD ROW, A 24" MIN. HMA BUFFER IS REQUIRED ADJACENT TO THE CONCRETE AND TIMBER PANELS. THIS WILL BE PAID FOR BY CLASS D PATCHES, TYPE II, 11" (SPECIAL).
- 2.) SIDEWALK AND HMA PAVEMENT REMOVAL SHALL BE DONE UP TO THE CONCRETE AND TIMBER PANELS BY MEANS OF A STRAIGHT SAWCUT JOINT. THE NEW 7" SIDEWALK SHALL MATCH THE 24" WIDE HMA BUFFER ELEVATIONS.

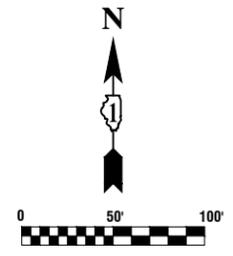
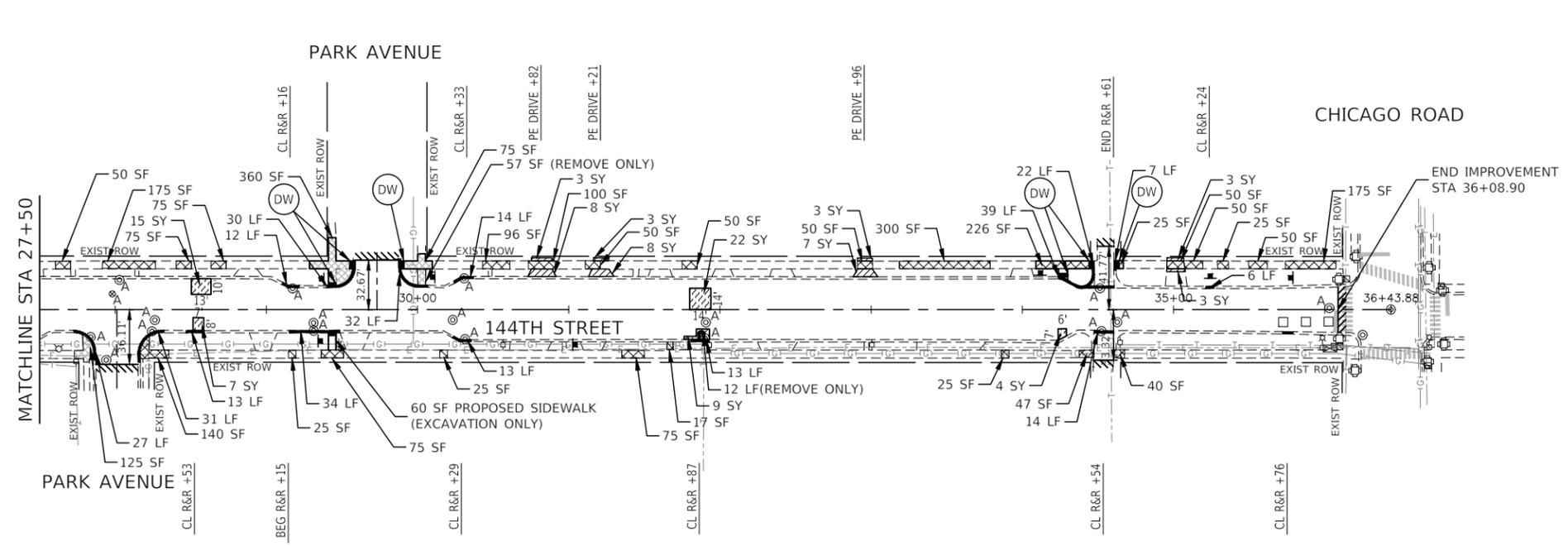
| | | | |
|--|------------------------|-----------------|------------|
| FILE NAME = 21R0918-PLAN-01 - IDOT P01 | USER NAME = | DESIGNED -- KJD | REVISED -- |
| | | CHECKED -- WPD | REVISED -- |
| | PLOT SCALE = | DRAWN -- MED | REVISED -- |
| | PLOT DATE = 04-15-2022 | CHECKED -- AG | REVISED -- |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDIANA AVENUE TO CHICAGO ROAD
ROADWAY RESURFACING FAU ROUTE 1691 (144TH STREET)
PROPOSED RESURFACING PLAN

SCALE: SHEET NO. 9 OF 22 SHEETS STA. TO STA.

| | | | | |
|--------------------------------|----------------|--------|----------------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1601 | 21-00119-00-RS | COOK | 22 | 9 |
| FED. ROAD DIST. NO. 1 ILLINOIS | | | FED. AID PROJECT ATSK(659) | |



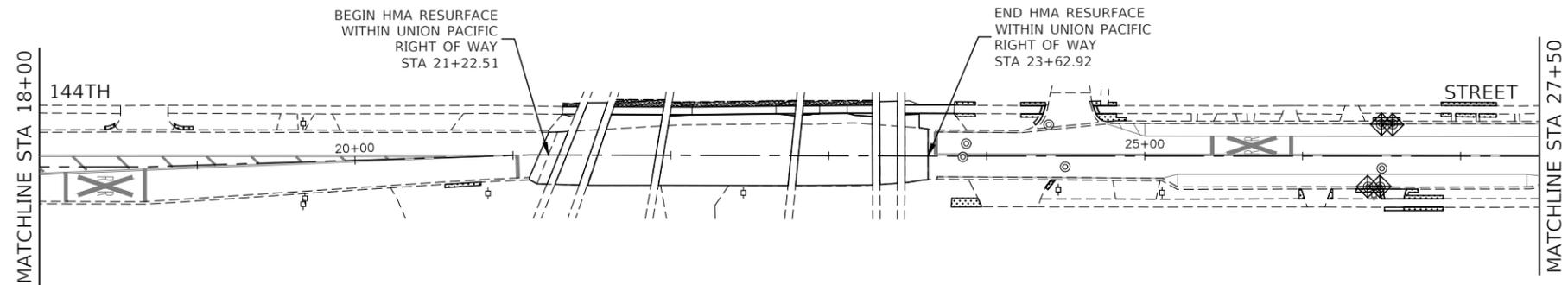
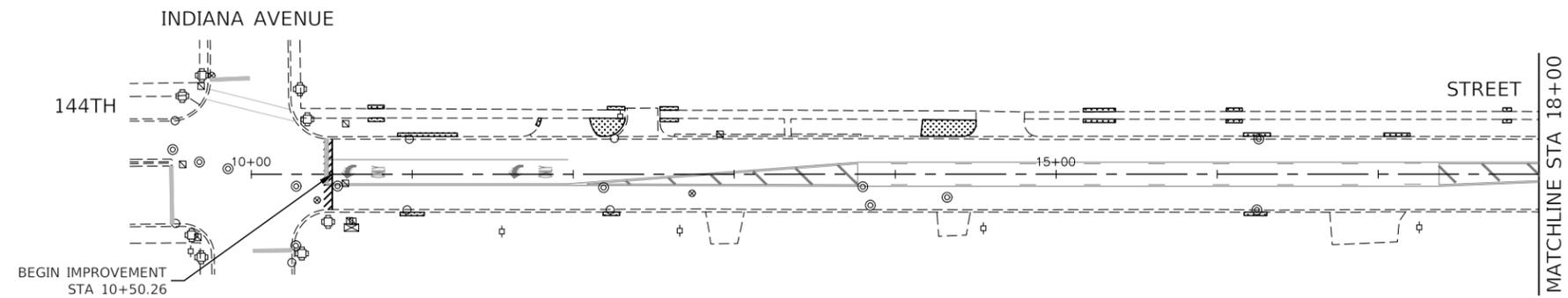
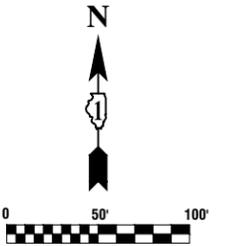
LEGEND

-  HMA ASPHALT SURFACE REMOVAL, 2" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4" HOT-MIX SURFACE COURSE MIX "D", IL-9.5 N50, 1 1/2"
-  AGGREGATE SHOULDERS, TYPE B 4"
-  SIDEWALK REMOVAL
PCC SIDEWALK, 5" (7" THRU DRIVEWAYS)
AGGREGATE BASE COURSE, TYPE B, 4"
-  HMA REMOVAL
PCC SIDEWALK, 7"
AGGREGATE BASE COURSE, TYPE B, 4"
-  10" CLASS D PATCHES
-  DRIVEWAY PAVEMENT REMOVAL
HMA DRIVEWAY PAVEMENT, 6"
-  DRIVEWAY PAVEMENT REMOVAL
PCC DRIVEWAY PAVEMENT, 7"
-  COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (IN KIND)
-  HMA SURFACE REMOVAL - BUTT JOINT
-  DETECTABLE WARNINGS
- "A" DRAINAGE AND UTILITY STRUCTURES TO BE ADJUSTED
- "R" DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED
- ⊗"A" VALVE BOXES TO BE ADJUSTED
-  DETECTOR LOOP REMOVE AND REPLACE
- BEG R&R +XX BEGIN STATION FOR CURB AND GUTTER REMOVAL AND REPLACEMENT
- END R&R +XX END STATION OF CURB AND GUTTER REMOVAL AND REPLACEMENT
- CL R&R +XX CENTER STATION OF CURB AND GUTTER REMOVAL AND REPLACEMENT (UNDER 20 LINEAL FEET)

NOTES

- 1.) HMA PAVEMENT RESURFACING SHALL BE DONE UP TO THE CONCRETE & TIMBER PANELS. IN AREAS WHERE 7" CONCRETE SIDEWALK IS PROPOSED WITHIN THE RAILROAD ROW, A 24" MIN. HMA BUFFER IS REQUIRED ADJACENT TO THE CONCRETE AND TIMBER PANELS. THIS WILL BE PAID FOR BY CLASS D PATCHES, TYPE II, 11" (SPECIAL).
- 2.) SIDEWALK AND HMA PAVEMENT REMOVAL SHALL BE DONE UP TO THE CONCRETE AND TIMBER PANELS BY MEANS OF A STRAIGHT SAWCUT JOINT. THE NEW 7" SIDEWALK SHALL MATCH THE 24" WIDE HMA BUFFER ELEVATIONS.

| | | | | | | | | | | | |
|--|------------------------|-----------------|------------|---|---|---------------------------|------------------------|-------------|----------------------------|--------------|--|
| FILE NAME = 21R0918-PLAN-01 - IDOT P01 (2) | USER NAME = | DESIGNED -- KJD | REVISED -- | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | INDIANA AVENUE TO CHICAGO ROAD ROADWAY RESURFACING FAU ROUTE 1691 (144TH STREET) PROPOSED RESURFACING PLAN | F.A.U. RTE. 1601 | SECTION 21-00119-00-RS | COUNTY COOK | TOTAL SHEETS 22 | SHEET NO. 10 | |
| | PLOT SCALE = | DRAWN -- MED | REVISED -- | | SCALE: | SHEET NO. 10 OF 22 SHEETS | STA. | TO STA. | CONTRACT NO. 61H89 | | |
| | PLOT DATE = 04-15-2022 | CHECKED -- AG | REVISED -- | | FED. ROAD DIST. NO. 1 | | | ILLINOIS | FED. AID PROJECT ATSK(659) | | |
| | | | | | | | | | | | |



NOTE

IF IN THE OPINION OF THE ENGINEER, MORE SURFACE AREA THAN NECESSARY HAS BEEN DAMAGED, IT SHALL BE REPLACED BY THE CONTRACTOR. THE MAXIMUM WIDTH OF RESTORATION WILL BE TWO FEET UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

LEGEND

- AGGREGATE SHOULDER, TYPE B 4"
- SODDING, SALT TOLERANT AND SUPPLEMENTAL WATERING TOPSOIL FURNISH & PLACE 4"
- INLET FILTER

FILE NAME = 21R0918-LNSC-01 - LNSC-01

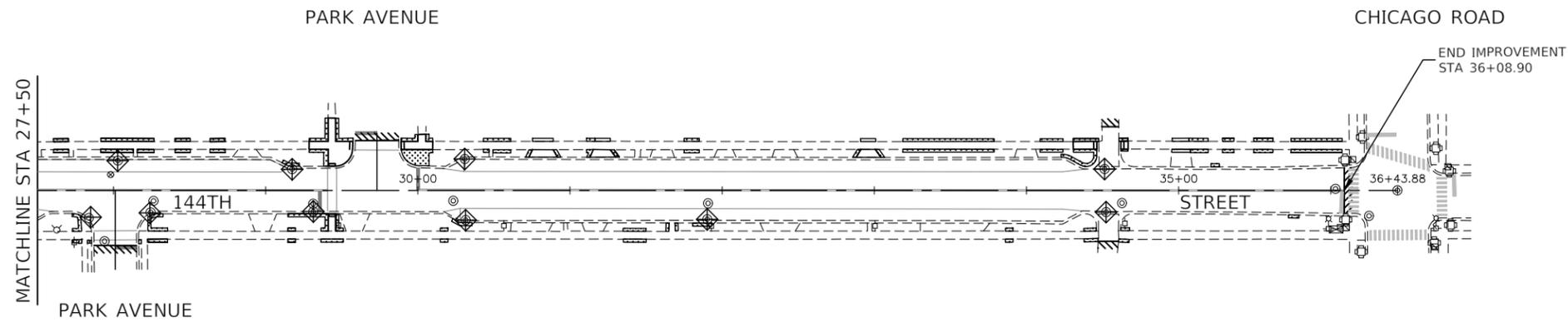
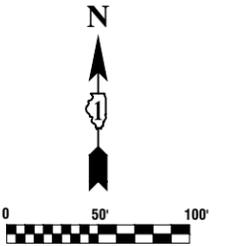
| | | |
|------------------------|-----------------|------------|
| USER NAME = | DESIGNED -- KJD | REVISED -- |
| | CHECKED -- WPD | REVISED -- |
| PLOT SCALE = | DRAWN -- MED | REVISED -- |
| PLOT DATE = 04-15-2022 | CHECKED -- AG | REVISED -- |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INDIANA AVENUE TO CHICAGO ROAD
ROADWAY RESURFACING FAU ROUTE 1691 (144TH STREET)
LANDSCAPE AND EROSION CONTROL PLAN

SCALE: 1"=50' SHEET NO. 11 OF 22 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------------|--------|--------------|-----------|
| 1601 | 21-00119-00-RS | COOK | 22 | 11 |
| CONTRACT NO. 61H89 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ATSK(659) | | | | |



NOTE

IF IN THE OPINION OF THE ENGINEER, MORE SURFACE AREA THAN NECESSARY HAS BEEN DAMAGED, IT SHALL BE REPLACED BY THE CONTRACTOR. THE MAXIMUM WIDTH OF RESTORATION WILL BE TWO FEET UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

LEGEND

-  AGGREGATE SHOULDER, TYPE B 4"
-  SODDING, SALT TOLERANT AND SUPPLEMENTAL WATERING TOPSOIL FURNISH & PLACE 4"
-  INLET FILTER

FILE NAME = 21R0918-LNSC-01 - LNSC-02

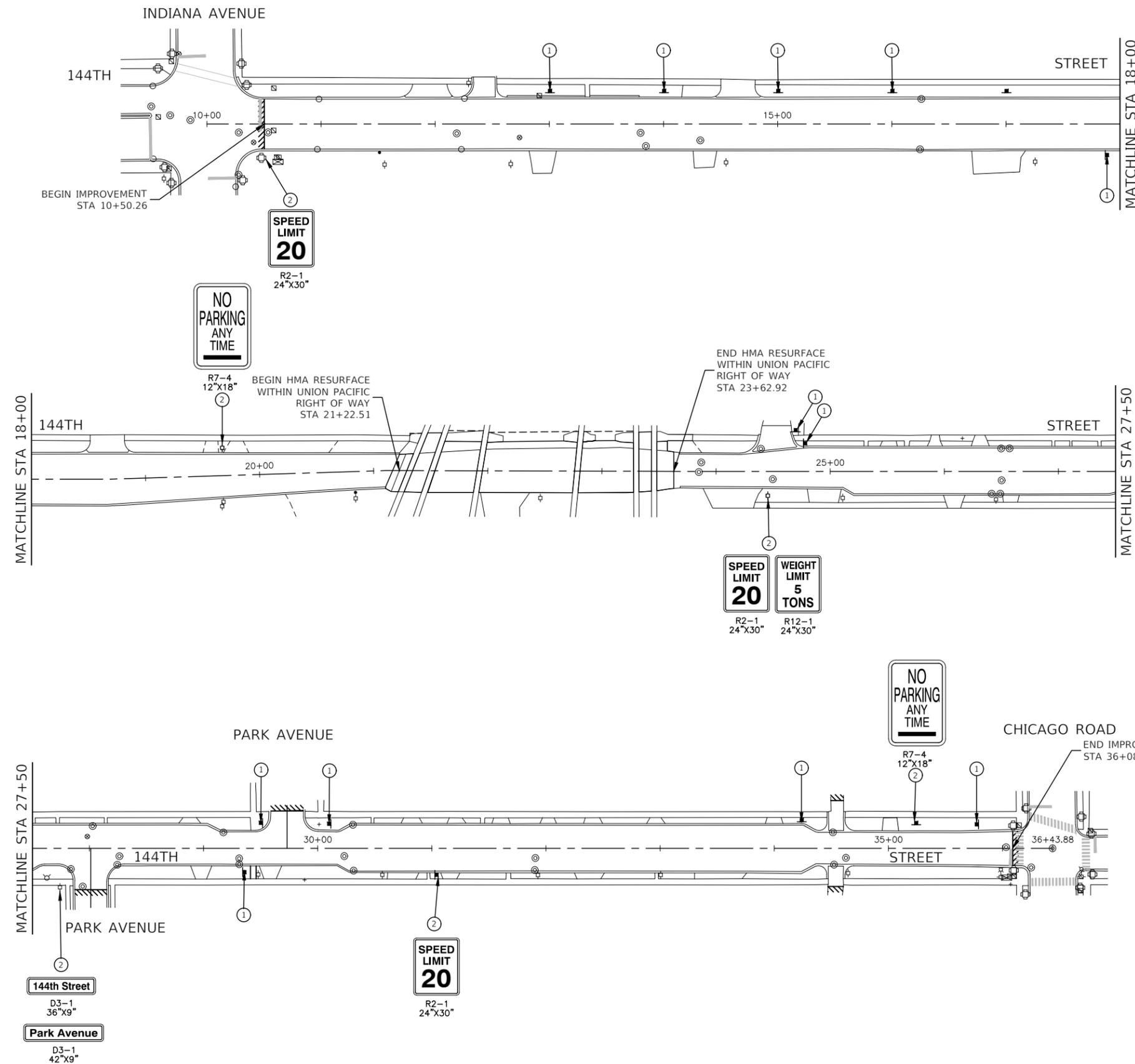
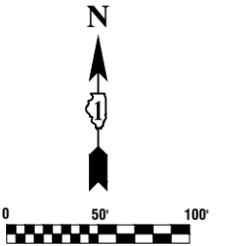
| | | |
|------------------------|-----------------|------------|
| USER NAME = | DESIGNED -- KJD | REVISED -- |
| | CHECKED -- WPD | REVISED -- |
| PLOT SCALE = | DRAWN -- MED | REVISED -- |
| PLOT DATE = 04-15-2022 | CHECKED -- AG | REVISED -- |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDIANA AVENUE TO CHICAGO ROAD
ROADWAY RESURFACING FAU ROUTE 1691 (144TH STREET)
LANDSCAPE AND EROSION CONTROL PLAN

SCALE: 1"=50' SHEET NO. 12 OF 22 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------------|--------|--------------|-----------|
| 1601 | 21-00119-00-RS | COOK | 22 | 12 |
| CONTRACT NO. 61H89 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ATSK(659) | | | | |



REMOVAL LEGEND

- ① REMOVE SIGN PANEL ASSEMBLY - TYPE B
- ② REMOVE SIGN PANEL - TYPE 1

FILE NAME = 21R0918-PLAN-02 - 11 IDOT_P(01)

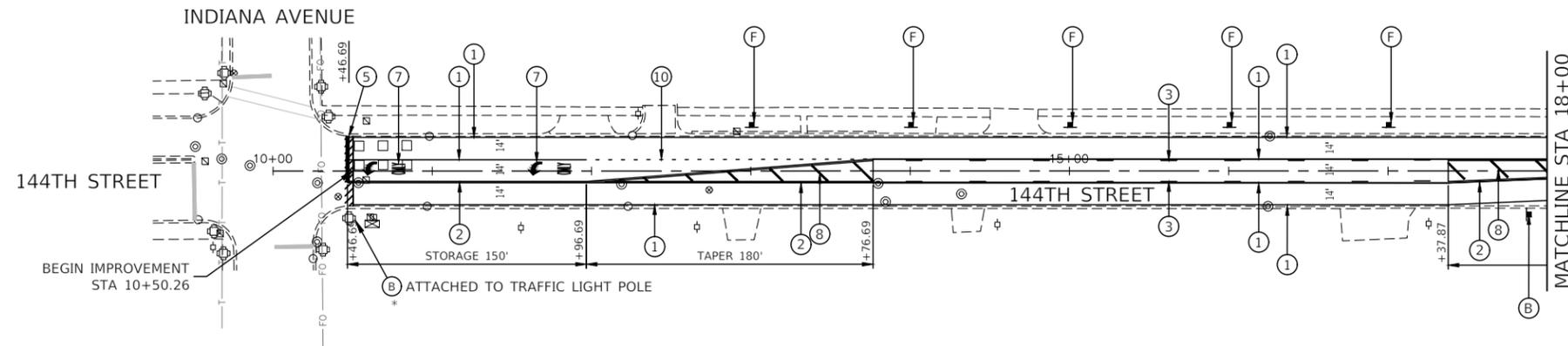
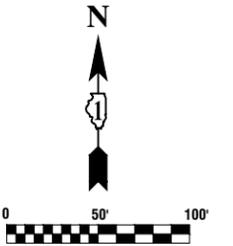
| | | |
|------------------------|-----------------|------------|
| USER NAME = | DESIGNED -- KJD | REVISED -- |
| | CHECKED -- WPD | REVISED -- |
| PLOT SCALE = | DRAWN -- MED | REVISED -- |
| PLOT DATE = 04-15-2022 | CHECKED -- AG | REVISED -- |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

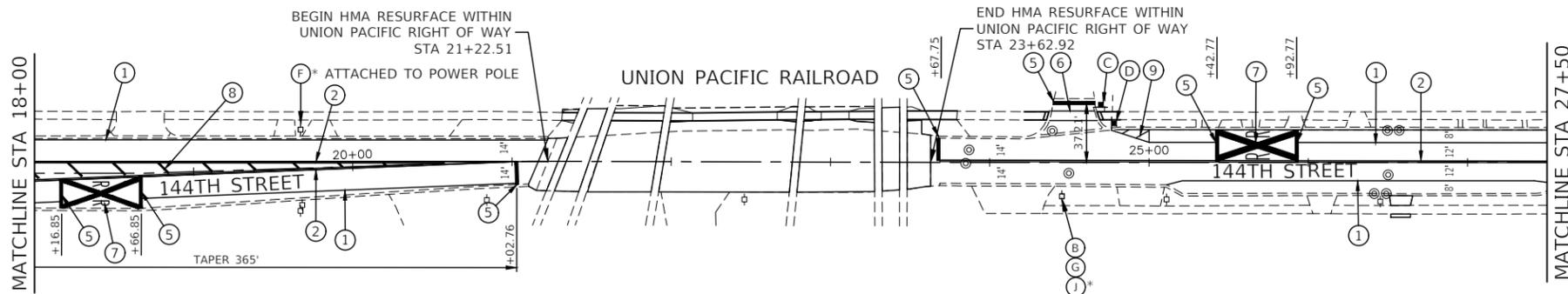
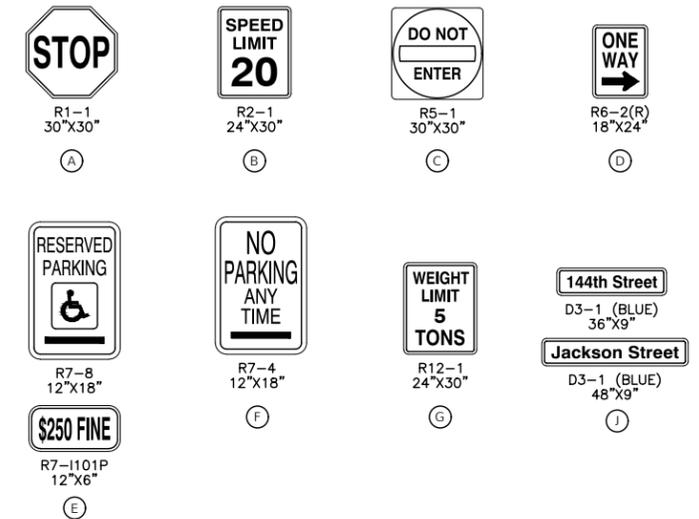
INDIANA AVENUE TO CHICAGO ROAD
ROADWAY RESURFACING FAU ROUTE 1691 (144TH STREET)
SIGNAGE REMOVAL PLAN

SCALE: SHEET NO. 13 OF 22 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------------|--------|--------------|-----------|
| 1601 | 21-00119-00-RS | COOK | 22 | 13 |
| CONTRACT NO. 61H89 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ATSK(659) | | | | |



TRAFFIC SIGN LEGEND



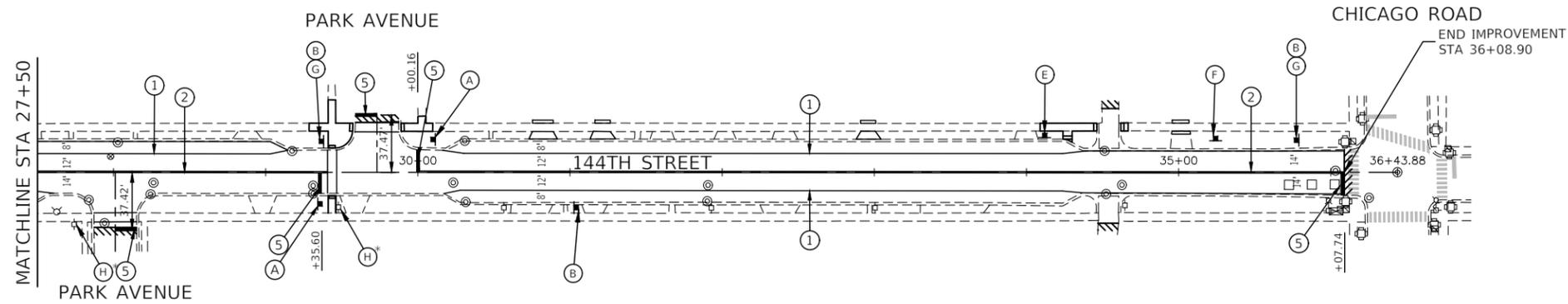
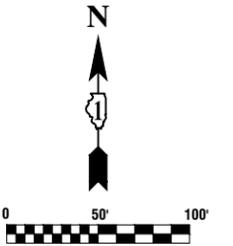
PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - WHITE LINE, 4" LINE (PARKING)
- ② THERMOPLASTIC PAVEMENT MARKING - YELLOW LINE, 4" LINE (11" C-C)
- ③ THERMOPLASTIC PAVEMENT MARKING - WHITE LINE, 4" SKIP DASH (10' LINE - 30' SPACE)
- ④ THERMOPLASTIC PAVEMENT MARKING - WHITE LINE, 6" LINE
- ⑤ THERMOPLASTIC PAVEMENT MARKING - WHITE LINE, 24" (STOP BAR)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - WHITE LINE, 6" CROSSWALK (6' C-C)
- ⑦ THERMOPLASTIC PAVEMENT MARKING - WHITE LINE, LETTERS AND SYMBOLS
- ⑧ THERMOPLASTIC PAVEMENT MARKING - YELLOW LINE, 12" DIAGONAL LINE (20' C-C)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - WHITE LINE, 12" DIAGONAL LINE (10' C-C)
- ⑩ THERMOPLASTIC PAVEMENT MARKING - WHITE LINE, 6" SKIPDASH (2' LINE - 6' SPACE)
- ◀ ONE-WAY AMBER MARKER
40' C/C UNLESS OTHERWISE INDICATED
- ◄ ONE-WAY CRYSTAL MARKER
80' C/C UNLESS OTHERWISE INDICATED
- ◆ TWO-WAY AMBER MARKER
40' C/C UNLESS OTHERWISE INDICATED
- TRAFFIC SIGN
- * INSTALLED ON EXISTING POST

NOTES

- 1.) SEE TC-13 DISTRICT 1 TYPICAL PAVEMENT MARKING FOR GUIDANCE.
- 2.) ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC, UNLESS OTHERWISE SHOWN.

| | | | | | | | | | | | |
|---------------------------------------|---------------|-----------------|------------|---|---|----------------|--------------------|---------|--------|--------------|-----------|
| FILE NAME = 21R0918-PLAN-01 - PMKG-01 | USER NAME = | DESIGNED -- KJD | REVISED -- | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | INDIANA AVENUE TO CHICAGO ROAD ROADWAY RESURFACING FAU ROUTE 1691 (144TH STREET) PAVEMENT MARKING AND PROPOSED SIGNAGE PLAN | | F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | PLOT SCALE = | CHECKED -- WPD | REVISED -- | | 1601 | 21-00119-00-RS | COOK | 22 | 14 | | |
| PLOT DATE = 04-15-2022 | DRAWN -- MED | REVISED -- | | SCALE: | SHEET NO. 14 OF 22 SHEETS | STA. TO STA. | CONTRACT NO. 61H89 | | | | |
| | CHECKED -- AG | REVISED -- | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ATSK(659) | | | | | | | |



TRAFFIC SIGN LEGEND

| | | | |
|-----------------------------|--------------------------|---------------------------|--------------------------------|
| R1-1 30"X30" A | R2-1 24"X30" B | R5-1 30"X30" C | R6-2(R) 18"X24" D |
| R7-8 12"X18" E | R7-4 12"X18" F | R12-1 24"X30" G | D3-1 (BLUE) 36"X9" H |
| R7-1101P 12"X6" E | | | D3-1 (BLUE) 42"X9" H |

PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - WHITE LINE, 4" LINE (PARKING)
 - ② THERMOPLASTIC PAVEMENT MARKING - YELLOW LINE, 4" LINE (11" C-C)
 - ③ THERMOPLASTIC PAVEMENT MARKING - WHITE LINE, 4" SKIP DASH (10' LINE - 30' SPACE)
 - ④ THERMOPLASTIC PAVEMENT MARKING - WHITE LINE, 6" LINE
 - ⑤ THERMOPLASTIC PAVEMENT MARKING - WHITE LINE, 24" (STOP BAR)
 - ⑥ THERMOPLASTIC PAVEMENT MARKING - WHITE LINE, 6" CROSSWALK (6' C-C)
 - ⑦ THERMOPLASTIC PAVEMENT MARKING - WHITE LINE, LETTERS AND SYMBOLS
 - ⑧ THERMOPLASTIC PAVEMENT MARKING - YELLOW LINE, 12" DIAGONAL LINE (20' C-C)
 - ⑨ THERMOPLASTIC PAVEMENT MARKING - WHITE LINE, 12" DIAGONAL LINE (10' C-C)
 - ⑩ THERMOPLASTIC PAVEMENT MARKING - WHITE LINE, 6" SKIPDASH (2' LINE - 6' SPACE)
- ◀ ONE-WAY AMBER MARKER
40' C/C UNLESS OTHERWISE INDICATED
 - ◄ ONE-WAY CRYSTAL MARKER
80' C/C UNLESS OTHERWISE INDICATED
 - ◆ TWO-WAY AMBER MARKER
40' C/C UNLESS OTHERWISE INDICATED
 - TRAFFIC SIGN
 - * INSTALLED ON EXISTING POST

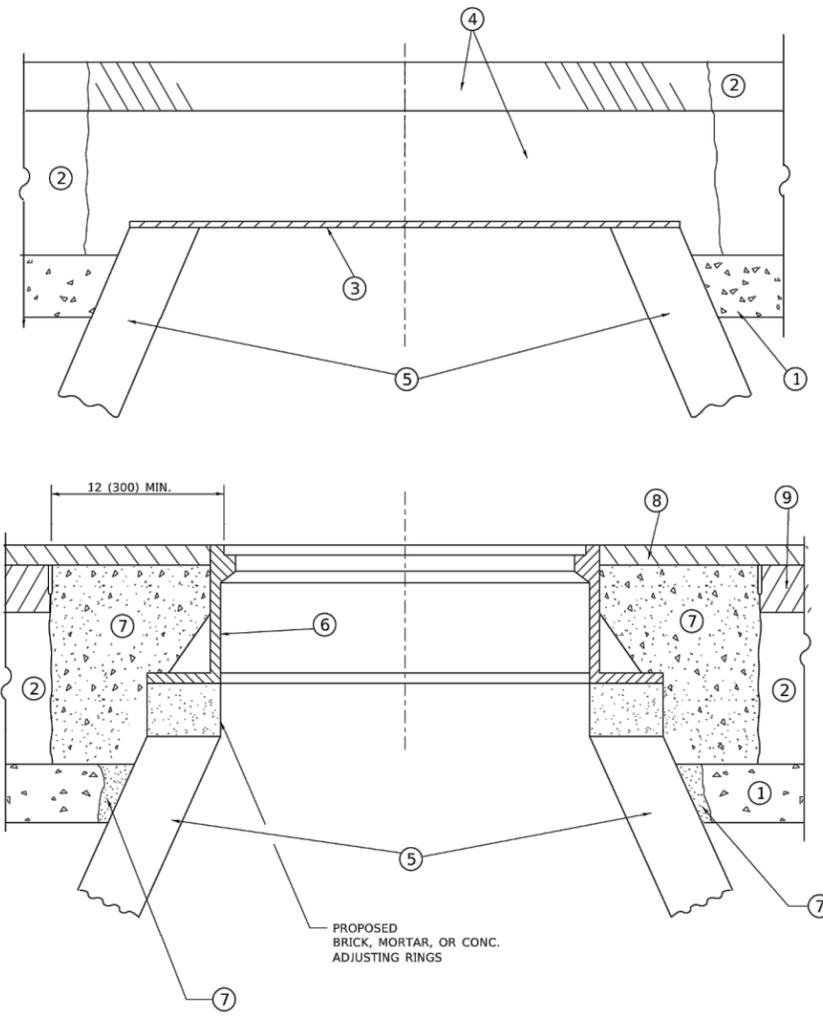
NOTES

- 1.) SEE TC-13 DISTRICT 1 TYPICAL PAVEMENT MARKING FOR GUIDANCE.
- 2.) ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC, UNLESS OTHERWISE SHOWN.

| | | | |
|---------------------------------------|------------------------|-----------------|------------|
| FILE NAME = 21R0918-PLAN-01 - PMKG-02 | USER NAME = | DESIGNED -- KJD | REVISED -- |
| | CHECKED -- WPD | REVISIONS | REVISED -- |
| | PLOT SCALE = | DRAWN -- MED | REVISED -- |
| | PLOT DATE = 04-15-2022 | CHECKED -- AG | REVISED -- |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | | | |
|---|--|---------------------|--------|---|-----------|
| INDIANA AVENUE TO CHICAGO ROAD ROADWAY RESURFACING FAU ROUTE 1691 (144TH STREET) PAVEMENT MARKING AND PROPOSED SIGNAGE PLAN | | F.A.U. RTE. SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| SCALE: | | 1601 | COOK | 22 | 15 |
| SHEET NO. 15 OF 22 SHEETS | | CONTRACT NO. 61H89 | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ATSK(659) | |



DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

NOTES

- EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
- IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.
- CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
- THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

CONSTRUCTION PROCEDURES

- STAGE 1 (BEFORE PAVEMENT MILLING)**
- REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
 - REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
 - COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
 - BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 1 1/2 (40) HMA TO REMAIN AFTER MILLING).

- STAGE 2 (AFTER PAVEMENT MILLING)**
- REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
 - INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
 - THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS*PP-1 CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.
- *UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

- | | |
|--|-------------------------------|
| ① SUB-BASE GRANULAR MATERIAL | ⑥ FRAME AND LID (SEE NOTES) |
| ② EXISTING PAVEMENT | ⑦ CLASS*PP-1 CONCRETE |
| ③ 36 (900) DIAMETER METAL PLATE | ⑧ PROPOSED HMA SURFACE COURSE |
| ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX | ⑨ PROPOSED HMA BINDER COURSE |
| ⑤ EXISTING STRUCTURE | |

LOCATION OF STRUCTURES

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT

- REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."
- THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.
- NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.
- WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

MODEL: Default
FILE NAME: W:\GIS\540\223\341\341\341.dgn

| | | | | | | | | | | | | |
|------------------------------|-----------------------------|----------------------------|---|--|---------------------|--------------|-------------------------|---------|--------------|--------------|-----------|--|
| USER NAME = demanchelt | DESIGNED - R. SHAH | REVISED - R. BORO 01-01-07 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING | | | F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| DRAWN - | CHECKED - | REVISED - R. BORO 03-09-11 | | SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. TO STA. | BD600-03 (BD-08) | | CONTRACT NO. | | | |
| PLOT SCALE = 100.0000' / in. | DATE - 10-25-94 | REVISED - R. BORO 12-06-11 | | ILLINOIS FED. AID PROJECT | | | | | | | | |
| PLOT DATE = 2/2/2022 | REVISED - K. SMITH 02-01-22 | | | | | | | | | | | |

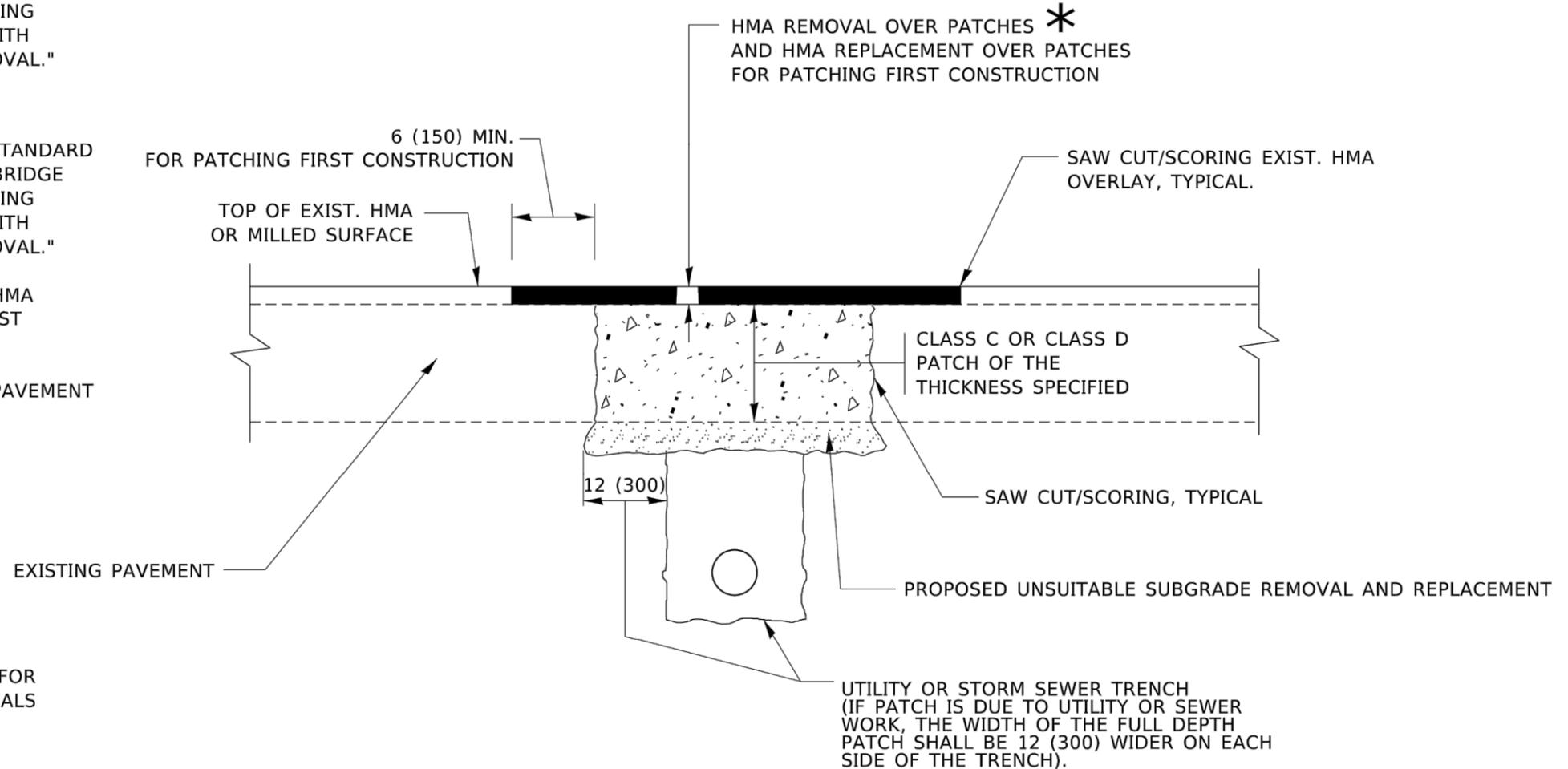
| | | | | | | | | | | | | |
|------------------------------------|----------------|-----------------|---|---|--|--------------|------|----------------|---------|--------|--------------|-----------|
| FILE NAME = 21R0918-DTLS-01 - BD08 | USER NAME = | DESIGNED -- KJD | REVISED -- | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | INDIANA AVENUE TO CHICAGO ROAD ROADWAY RESURFACING FAU ROUTE 1691 (144TH STREET) DISTRICT 1 DETAILS | | | F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | CHECKED -- WPD | REVISED -- | SCALE: NONE | | SHEET NO. 16 OF 22 SHEETS | STA. TO STA. | 1601 | 21-00119-00-RS | COOK | 22 | 16 | |
| | DRAWN -- MD | REVISED -- | CONTRACT NO. 61H89 | | | | | | | | | |
| | CHECKED -- AG | REVISED -- | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ATSK(659) | | | | | | | | | |

METHOD OF MEASUREMENT

REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."

BASIS OF PAYMENT

1. REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."
2. SAW CUT/SCORING OF EXISTING HMA OVERLAY IS INCLUDED IN THE COST OF PAVEMENT PATCHING.
3. SAW CUT/SCORING OF EXISTING PAVEMENT IS INCLUDED IN THE COST OF PAVEMENT PATCHING.



SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

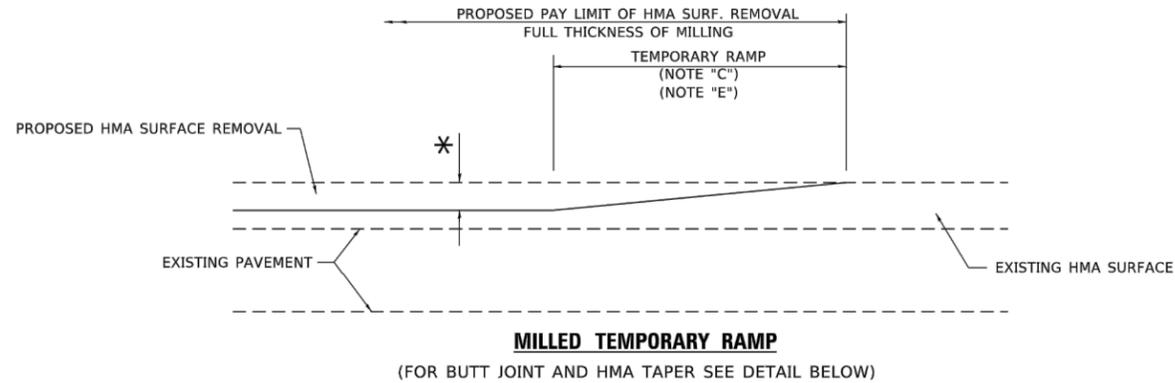
1. MILL HMA FIRST IF THERE IS AT LEAST 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

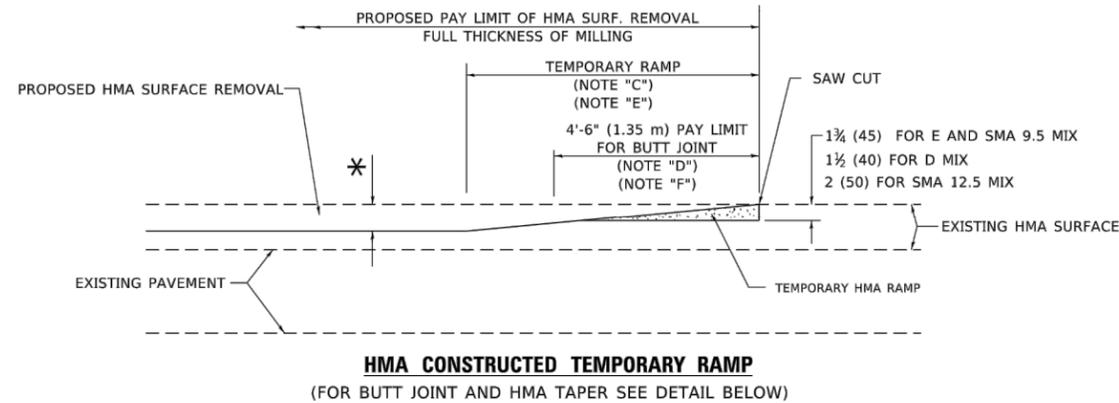
MODEL Default
FILE NAME: W:\BIS\502234\B2Z.dgn

| | | | | | | | | | | |
|------------------------------|-----------------------------|----------------------------|---|--|--|--------------------------------------|----------------|---------------------------|--------------|-----------|
| USER NAME = demanchelt | DESIGNED - R. SHAH | REVISED - R. BORO 01-01-07 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT | | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| DRAWN - | CHECKED - | REVISED - R. BORO 09-04-07 | | | | 1601 | 21-00119-00-RS | COOK | 22 | 17 |
| PLOT SCALE = 100,0000' / in. | DATE - 10-25-94 | REVISED - K. ENG 10-27-08 | | SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA. | | CONTRACT NO. BD400-04 (BD-22) | | ILLINOIS FED. AID PROJECT | | |
| PLOT DATE = 2/2/2022 | REVISED - K. SMITH 02-01-22 | | | | | | | | | |

| | | | | | | | | | | | |
|------------------------------------|------------------------|----------------|-----------|---|--|--|--------------------|---------|---|--------------|-----------|
| FILE NAME = 21R0918-DTLS-01 - B022 | USER NAME = | DESIGNED - KJD | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | INDIANA AVENUE TO CHICAGO ROAD ROADWAY RESURFACING FAU ROUTE 1691 (144TH STREET) DISTRICT 1 DETAILS | | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | CHECKED - WPD | REVISED - | 1601 | | | | 21-00119-00-RS | COOK | 22 | 17 | |
| | PLOT SCALE = | DRAWN - MD | REVISED - | | SCALE: NONE SHEET NO. 17 OF 22 SHEETS STA. TO STA. | | CONTRACT NO. 61H89 | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ATSK(659) | | |
| | PLOT DATE = 04-15-2022 | CHECKED - AG | REVISED - | | | | | | | | |

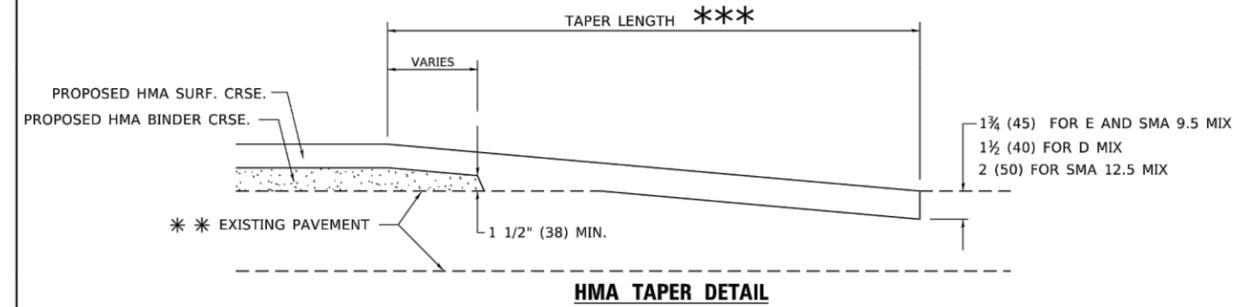
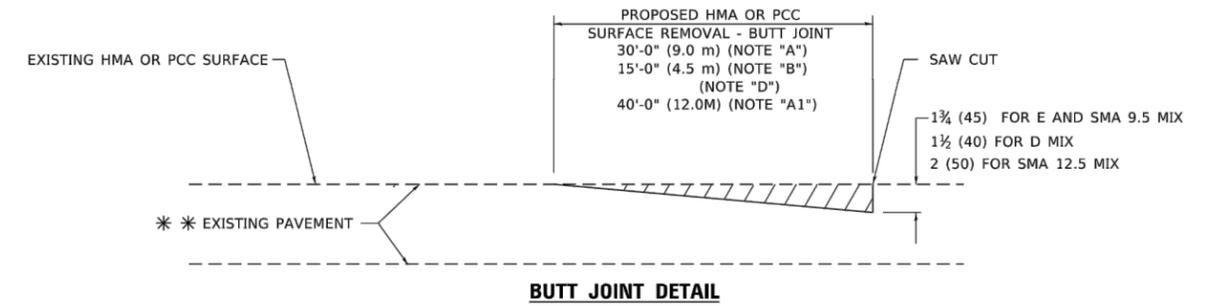


OPTION 1



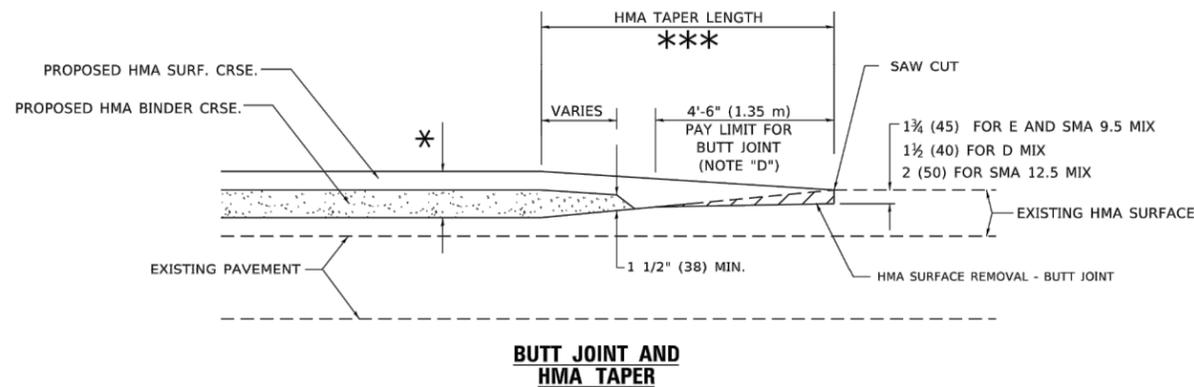
OPTION 2

TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

GENERAL NOTES

- A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- A1. INTERSTATES
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.
* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

- 1. THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".
- 2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

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

MODEL Default
FILE NAME: W:\B3550\2234\B3550.dgn

| | | |
|------------------------------|-----------------------------|-----------------------------|
| USER NAME = demanchelt | DESIGNED - M. DE YONG | REVISED - A. ABBAS 03-21-97 |
| DRAWN - | REVISED - M. GOMEZ 04-06-01 | |
| PLOT SCALE = 100,0000' / in. | CHECKED - | REVISED - R. BORO 01-01-07 |
| PLOT DATE = 2/2/2022 | DATE - 06-13-90 | REVISED - K. SMITH 02-01-22 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

| | | | | | | | |
|-------------|---------------------|--------------|-----------------------------|---------|--------|--------------|-----------|
| SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. TO STA. | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | | BD400-05 | BD-32 | | | |
| | | | CONTRACT NO. | | | | |
| | | | ILLINOIS FED. AID PROJECT | | | | |

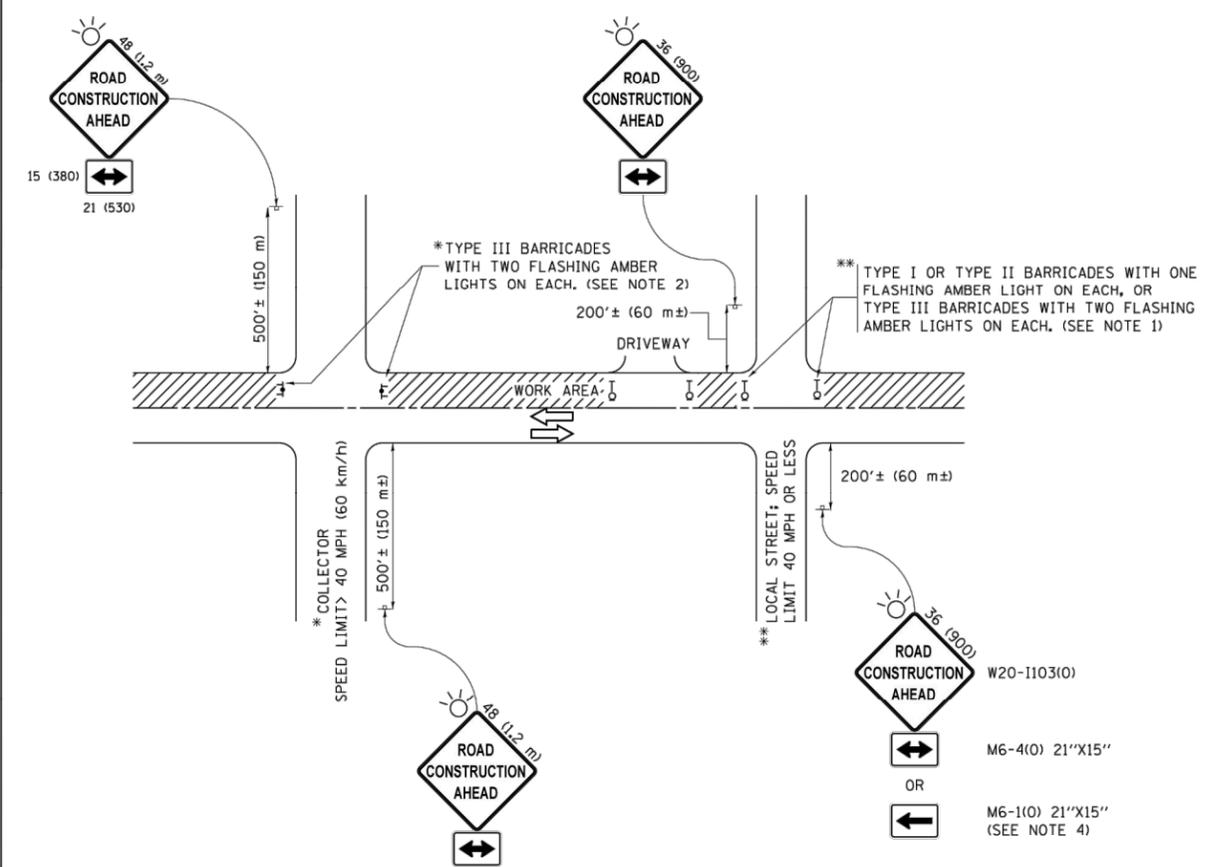
FILE NAME = 21R0918-DTLS-01 - B032

| | | |
|------------------------|-----------------|------------|
| USER NAME = | DESIGNED -- KJD | REVISED -- |
| | CHECKED -- WPD | REVISED -- |
| PLOT SCALE = | DRAWN -- MD | REVISED -- |
| PLOT DATE = 04-15-2022 | CHECKED -- AG | REVISED -- |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDIANA AVENUE TO CHICAGO ROAD
ROADWAY RESURFACING FAU ROUTE 1691 (144TH STREET)
DISTRICT 1 DETAILS**

| | | | | | | | |
|-------------|---------------------------|--------------|---|----------------|--------|--------------|-----------|
| SCALE: NONE | SHEET NO. 18 OF 22 SHEETS | STA. TO STA. | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | | 1601 | 21-00119-00-RS | COOK | 22 | 18 |
| | | | CONTRACT NO. | | 61H89 | | |
| | | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ATSK(659) | | | | |



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

| | | | |
|---|----------------------------|------------------------------------|---------------------------------|
| FILE NAME = | USER NAME = footemj | DESIGNED - L.H.A. | REVISED - A. HOUSEH 10-15-96 |
| pet\\vl084EBIDINTEG\11\inois.gov\PI\DOT\Documents\IDOT Offices\District 1\Projects\Dist | | DRAWN - CADDeta\CADsheets\to18.dgn | REVISED - T. RAMMACHER 01-06-00 |
| Default | PLOT SCALE = 5/8"=1' / in. | CHECKED - | REVISED - A. SCHUETZE 07-01-13 |
| | PLOT DATE = 9/15/2016 | DATE - 06-89 | REVISED - A. SCHUETZE 09-15-16 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS | | | |
|--|---------|-------------|--------------|
| SCALE: NONE | SHEET 1 | OF 1 SHEETS | STA. TO STA. |

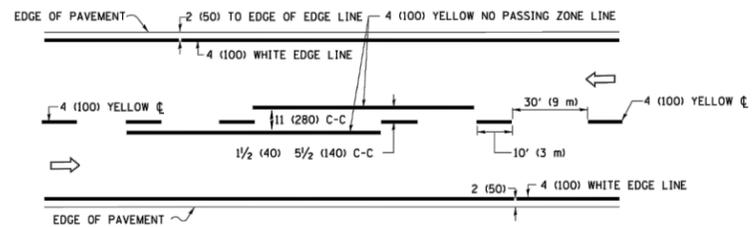
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|--------|--------------|-----------|
| | | | | |
| TC-10 | | | CONTRACT NO. | |
| ILLINOIS FED. AID PROJECT | | | | |

| | | | |
|------------------------------------|------------------------|-----------------|------------|
| FILE NAME = 21R0918-DTLS-01 - TC10 | USER NAME = | DESIGNED -- KJD | REVISED -- |
| | | CHECKED -- WPD | REVISED -- |
| | PLOT SCALE = | DRAWN -- MD | REVISED -- |
| | PLOT DATE = 04-15-2022 | CHECKED -- AG | REVISED -- |

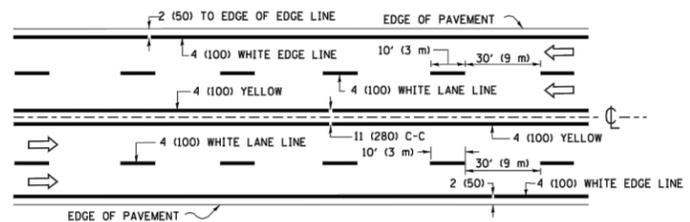
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| INDIANA AVENUE TO CHICAGO ROAD ROADWAY RESURFACING FAU ROUTE 1691 (144TH STREET) DISTRICT 1 DETAILS | | | |
|---|--------------|--------------|--------------|
| SCALE: NONE | SHEET NO. 19 | OF 22 SHEETS | STA. TO STA. |

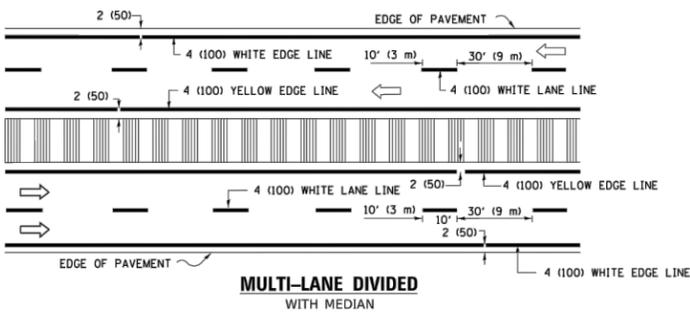
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------------|--------|--------------|-----------|
| 1601 | 21-00119-00-RS | COOK | 22 | 19 |
| CONTRACT NO. 61H89 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ATSK(659) | | | | |



2-LANE ROADWAY

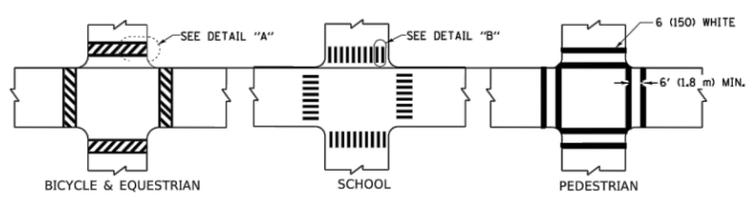


MULTI-LANE UNDIVIDED



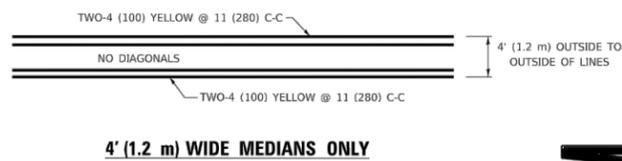
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

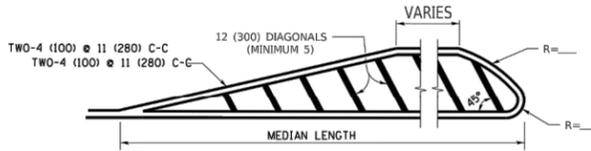


TYPICAL CROSSWALK MARKING

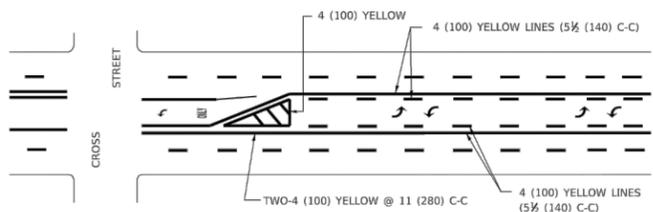
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



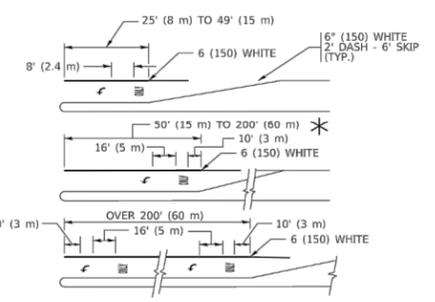
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE

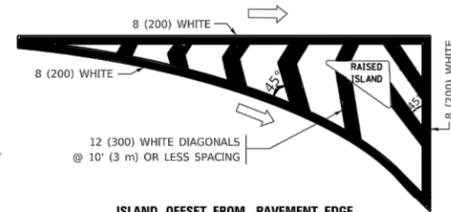


MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING

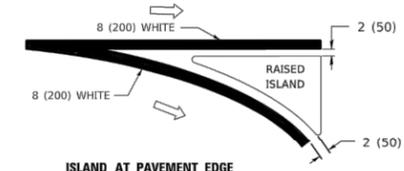


TYPICAL LEFT (OR RIGHT) TURN LANE

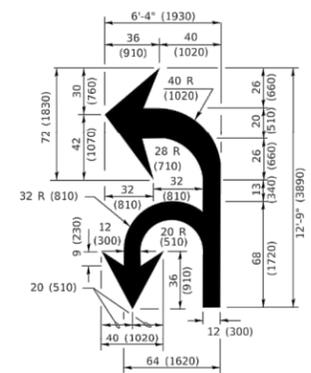
TYPICAL TURN LANE MARKING



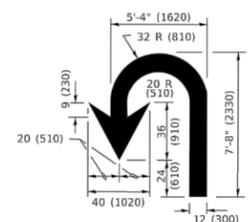
ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

| D(FT) | SPEED LIMIT |
|-------|-------------|
| 345 | 30 |
| 425 | 35 |
| 500 | 40 |
| 580 | 45 |
| 665 | 50 |
| 750 | 55 |

LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

| TYPE OF MARKING | WIDTH OF LINE | PATTERN | COLOR | SPACING / REMARKS |
|---|---|------------------------------|--|--|
| CENTERLINE ON 2 LANE PAVEMENT | 4 (100) | SKIP-DASH | YELLOW | 10' (3 m) LINE WITH 30' (9 m) SPACE |
| CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT | 2 @ 4 (100) | SOLID | YELLOW | 11 (280) C-C |
| NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS | 4 (100) 2 @ 4 (100) | SOLID SOLID | YELLOW YELLOW | 5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN |
| LANE LINES | 4 (100) 5 (125) ON FREEWAYS | SKIP-DASH SKIP-DASH | WHITE WHITE | 10' (3 m) LINE WITH 30' (9 m) SPACE |
| DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS) | SAME AS LINE BEING EXTENDED | SKIP-DASH | SAME AS LINE BEING EXTENDED | 2' (600) LINE WITH 6' (1.8 m) SPACE |
| EDGE LINES | 4 (100) | SOLID | YELLOW-LEFT WHITE-RIGHT | OUTLINE MEDIANS IN YELLOW |
| TURN LANE MARKINGS | 6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m)) | SOLID | WHITE | SEE TYPICAL TURN LANE MARKING DETAIL |
| TWO WAY LEFT TURN MARKING | 2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW | SKIP-DASH AND SOLID IN PAIRS | YELLOW WHITE | 10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL |
| CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL) | 2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90° | SOLID SOLID SOLID | WHITE WHITE WHITE | NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS. |
| STOP LINES | 24 (600) | SOLID | WHITE | PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE |
| PAINTED MEDIANS | 2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS | SOLID | YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC | 11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING. |
| GORE MARKING AND CHANNELIZING LINES | 8 (200) WITH 12 (300) DIAGONALS @ 45° | SOLID | WHITE | DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h)) |
| RAILROAD CROSSING | 24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X" | SOLID | WHITE | SEE STATE STANDARD 780001 AREA OF: *R=3.6 SQ. FT. (0.33 m²) EACH *X=54.0 SQ. FT. (5.0 m²) |
| SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS > 8') | 12 (300) @ 45° | SOLID | WHITE - RIGHT YELLOW - LEFT | 50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h)) |
| U TURN ARROW | SEE DETAIL | SOLID | WHITE | 16.3 SF |
| 2 ARROW COMBINATION LEFT AND U TURN | SEE DETAIL | SOLID | WHITE | 30.4 SF |

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

MODEL Default: FILE NAME: p:\v\110648EBD\INTEG... \Projects\018-DTL5-01 - TC13\CADD\DATA\CAD\Sheet\svk13.dgn

| | | |
|-----------------------------|------------------------------|------------------------------|
| USER NAME = footemj | DESIGNED - EVERS | REVISED - C. JUCIUS 09-09-09 |
| DRAWN - | REVISOR - C. JUCIUS 07-01-13 | |
| PLOT SCALE = 50,0000' / in. | CHECKED - | REVISED - C. JUCIUS 12-21-15 |
| PLOT DATE = 3/4/2019 | DATE - 03-19-90 | REVISED - C. JUCIUS 04-12-16 |

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

| | | | |
|---|---------------------|--------------|--|
| DISTRICT ONE TYPICAL PAVEMENT MARKINGS | | | |
| SCALE: NONE | SHEET 1 OF 2 SHEETS | STA. TO STA. | |

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|--------|--------------|-----------|
| TC-13 | | | | 20 |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. | |

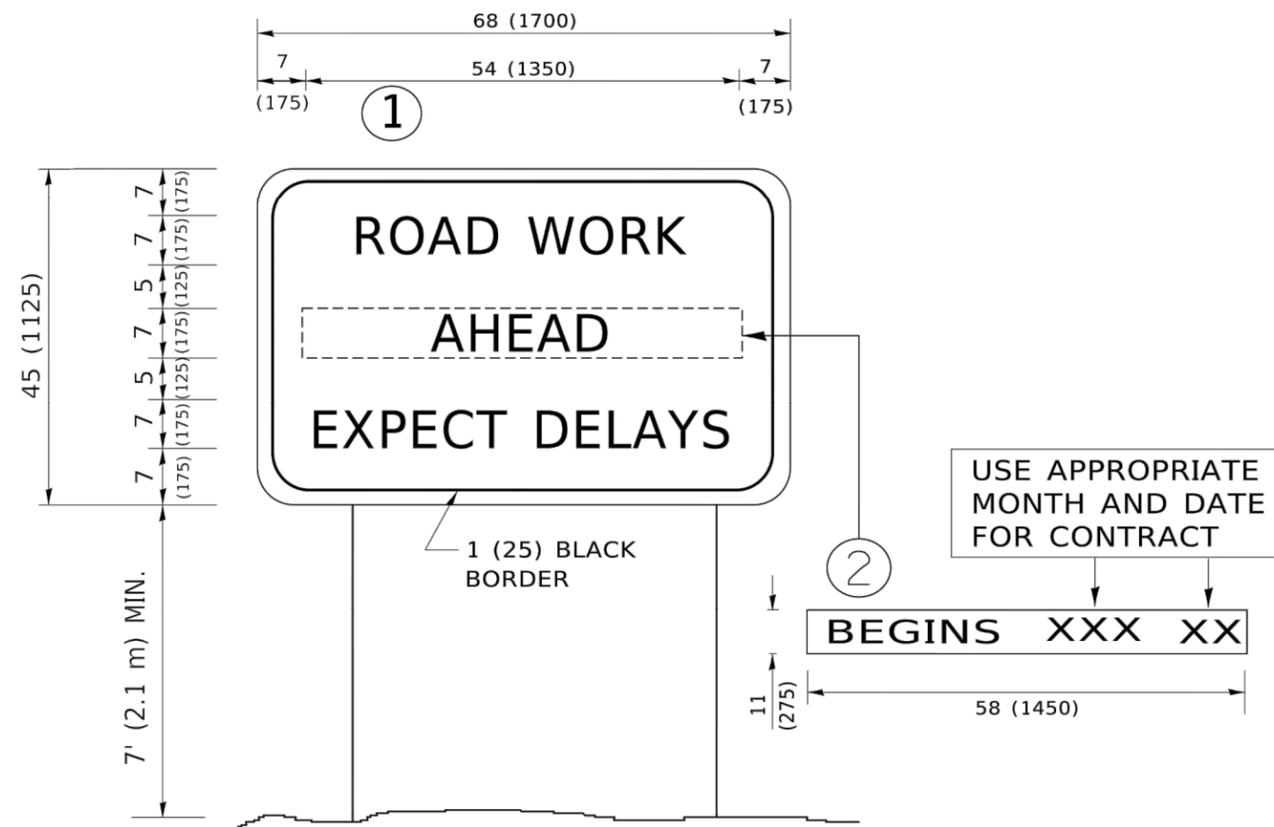
FILE NAME = 21R0918-DTL5-01 - TC13

| | | |
|------------------------|----------------|-----------|
| USER NAME = | DESIGNED - KJD | REVISED - |
| | CHECKED - WPD | REVISED - |
| PLOT SCALE = | DRAWN - MD | REVISED - |
| PLOT DATE = 04-15-2022 | CHECKED - AG | REVISED - |

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

| | | | |
|--|---------------------------|--------------|--|
| INDIANA AVENUE TO CHICAGO ROAD ROADWAY RESURFACING FAU ROUTE 1691 (144TH STREET) DISTRICT 1 DETAILS | | | |
| SCALE: NONE | SHEET NO. 20 OF 22 SHEETS | STA. TO STA. | |

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------------|--------|--------------|-----------|
| 1601 | 21-00119-00-RS | COOK | 22 | 20 |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | ATSK(659) | |



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

MODEL Path: \\010448BDDINTEG\Illinois\poc\p\m\DOT\Documents\DOT_Offices\District_1\Projects\160119-00-RS\160119-00-RS\160119-00-RS.dgn
 FILE NAME: 21R0918-DTLS-01 - TC22

| | | |
|-----------------------------|------------|---------------------------------|
| USER NAME = footernj | DESIGNED - | REVISED - R. MIRS 09-15-97 |
| PLOT SCALE = 50.0000' / in. | CHECKED - | REVISED - T. RAMMACHER 02-02-99 |
| PLOT DATE = 3/4/2019 | DATE - | REVISED - C. JUCIUS 01-31-07 |

| | | | | | | | | |
|---|--|---|--|---------------------------|---------|--------------|--------------|-----------|
| STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | | ARTERIAL ROAD INFORMATION SIGN | | F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| SCALE: NONE | | SHEET 1 OF 1 SHEETS | | TC-22 | | CONTRACT NO. | | |
| | | STA. TO STA. | | ILLINOIS FED. AID PROJECT | | | | |

| | | | |
|------------------------------------|------------------------|-----------------|------------|
| FILE NAME = 21R0918-DTLS-01 - TC22 | USER NAME = | DESIGNED -- KJD | REVISED -- |
| | CHECKED -- WPD | REVISED -- | |
| | DRAWN -- MD | REVISED -- | |
| | CHECKED -- AG | REVISED -- | |
| | PLOT DATE = 04-15-2022 | | |

| | | | | | | | | |
|---|--|---|--|---|----------------|--------|--------------|-----------|
| STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | | INDIANA AVENUE TO CHICAGO ROAD ROADWAY RESURFACING FAU ROUTE 1691 (144TH STREET) DISTRICT 1 DETAILS | | F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| SCALE: NONE | | SHEET NO. 22 OF 22 SHEETS | | 1601 | 21-00119-00-RS | COOK | 22 | 22 |
| | | STA. TO STA. | | CONTRACT NO. 61H89 | | | | |
| | | | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ATSK(659) | | | | |