

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

**PROJECT LOCATED IN THE VILLAGE OF LAKWOOD
GRAFTON TOWNSHIP, & CITY OF CRYSTAL LAKE**

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

TR 0203 (BALLARD ROAD) IL
ROUTE 47 TO PAULINE AVENUE
RESURFACING

**SECTION: 22-00016-00-RS
PROJECT: N86V(322)**

VILLAGE OF LAKEWOOD & GRAFTON TOWNSHIP MCHENRY COUNTY

C-91-146-2

TRAFFIC DATA

**BALLARD ROAD
POSTED SPEED LIMIT: 45 MPH
DESIGN SPEED LIMIT: 50 MPH
2017 ADT = 1,500**

FUNCTIONAL CLASSIFICATION

MINOR COLLECTOR

02-27-2026 LETTING ITEM 078

A horizontal scale bar representing 100' (feet). The bar is divided into 10 major segments, each labeled '10' above it. Within each of these major segments, there are five smaller tick marks, each labeled '5' above it, representing 5' subdivisions. The total length of the bar is indicated by a bracket at the right end labeled '100'.

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. DESIGN STAGE REQUEST
DIG. No. A25210353 & A25210362



CONTACT JULIE AT 811 OR 800-892-0
WITH THE FOLLOWING:

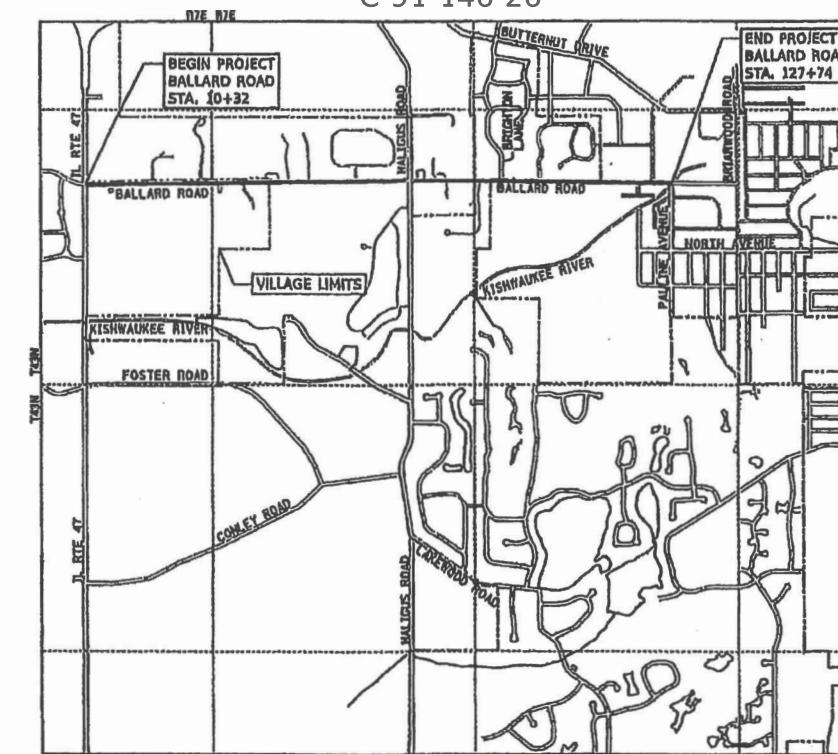
JOHN C. LEWIS & SONS
GENERAL CONTRACTORS
ONE CALL TO LEWIS
COUNTY = MCHENRY
CITY-TWNSHP. = VILLAGE OF LAKWOOD - TOWNSHIP 43
SEC. & 1/4 SEC. NO. = SECTIONS 1, 2, 3 AND 4
48 HOURS (2 working days) BEFORE YOU DIG

CONTRACT NO. 61M23

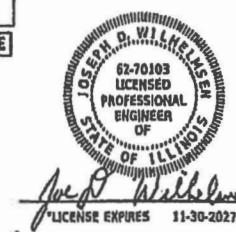
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | HEET NO. |
|----------------|----------------|---------|-----------------|-------------|
| 0203 | 22-00016-00-RS | MCHENRY | 2L | 1 |



LOCATION OF SECTION INDICATED THUS: -



LOCATION MAP



| STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | |
|---|--|
| APPROVED | <u>Jean Heckman</u> JEAN HECKMAN VILLAGE MANAGER VILLAGE OF LAKWOOD REPRESENTATIVE |
| APPROVED | <u>Majid Wilareen</u> Citi Engineer CITY OF CRYSTAL LAKE REPRESENTATIVE |
| APPROVED | <u>Frank A. Cleary</u> Road Commissioner GRAFTON TOWNSHIP REPRESENTATIVE |
| PASSED | <u>DEC 17, 2025</u> <u>Office</u> DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS |
| RELEASING FOR BID BASED ON LIMITED REVIEW | <u>Dec 17, 2025</u> <u>Local Roads 1A</u> REGIONAL ENGINEER |

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

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, THE JANUARY 1, 2022 EDITION OF THE "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (REFERRED TO AS THE "STANDARD SPECIFICATIONS"), THE JANUARY 1, 2026 EDITION OF THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", THE 11th EDITION OF THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", THE JANUARY 1, 2022 EDITION OF THE "MANUAL OF TEST PROCEDURES FOR MATERIALS" AND THE 8th EDITION "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS".
- THE LOCATIONS OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS REPRESENTS ONLY THE OPINION OF THE VILLAGE AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDER AND THE ACCURACY IS NOT GUARANTEED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES, INCLUDING SPRINKLER SYSTEMS, EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY RELOCATION OR LOWERING OF UTILITIES SHALL BE COORDINATED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL NOTIFY THE VILLAGE PUBLIC WORKS ADMINISTRATOR AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK TO OBTAIN VILLAGE UTILITY LOCATIONS.
- THE CONTRACTOR MAY OBTAIN MUNICIPAL WATER IN BULK, AT NO CHARGE, AS LONG AS THERE IS NOT A "WATERING BAN" IN EFFECT. THE INDISCRIMINATE USE OF FIRE HYDRANTS IS STRICTLY PROHIBITED. WATER FOR CONSTRUCTION SHALL BE METERED OR OTHERWISE ACCOUNTED FOR AND A DAILY LOG MAINTAINED. THE CONTRACTOR SHALL PROVIDE THE WATER TRUCK AND DRIVER REQUIRED TO OBTAIN AND TRANSPORT THIS WATER. THE VILLAGE RESERVES THE RIGHT TO RESTRICT OR REFUSE THE USE OF VILLAGE WATER IF DEEMED NECESSARY.
- ACCESS TO PRIVATE DRIVEWAYS SHALL BE PROVIDED AT ALL TIMES EXCEPT DURING ACTUAL CONSTRUCTION ADJACENT THERE TO. TEMPORARY RAMPS SHALL BE CONSTRUCTED AS NEEDED TO PROVIDE SUCH ACCESS, UTILIZING AGGREGATE SURFACE COURSE FOR TEMPORARY ACCESSA.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER, RESIDENTS AND THE VILLAGE WHEN ACCESS TO DRIVEWAYS WILL BE TEMPORARILY CLOSED DUE TO CURB AND GUTTER AND/OR DRIVEWAY REPLACEMENT. THE CONTRACTOR SHALL DISTRIBUTE NOTICES PROVIDED BY THE VILLAGE TO RESIDENTS AT LEAST 24 HOURS PRIOR TO PLANNED CLOSURE. EVERY EFFORT SHALL BE MADE TO ACCOMMODATE ACCESS TO THESE PROPERTIES INCLUDING KNOCKING ON DOORS WHEN DRIVEWAYS ARE ABOUT TO BE CLOSED.
- THE DAYS PAVING OPERATION SHOULD RESULT IN A SINGLE TRANSVERSE JOINT. ANY COLD LONGITUDINAL JOINTS WILL NOT BE ACCEPTED. PROVIDING A SINGLE TRANSVERSE JOINT SHALL BE ACCOMPLISHED BY PAVING ONE LANE OF SUFFICIENT LENGTH THAT WILL ALLOW FOR THE PAVING OF THE ADJACENT LANE IN THE SAME DAY.
- A PORTABLE BATHROOM(S) SHALL BE PLACED ON THE JOB SITE(S) AND RELOCATED WHEN NECESSARY SO IT IS ACCESSIBLE TO WORKERS. IF WORK IS OCCURRING AT SEVERAL LOCATIONS, ONE PORTABLE BATHROOM SHALL BE PLACED AT EACH LOCATION WITHIN A REASONABLE DISTANCE FROM THE WORK AS DETERMINED BY THE ENGINEER.
- ON STREETS TO BE FULL WIDTH MILLED (2" OR MORE), THE EXISTING STRUCTURES IN THE PAVEMENT SHALL BE ADJUSTED IN ACCORDANCE WITH THE IDOT DETAIL "DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING". THIS WORK SHALL BE IN ADDITION TO THE REQUIREMENTS FOR MANHOLES TO BE ADJUSTED.
- 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.
- 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.
- "ROAD CONSTRUCTION AHEAD" SIGN SHALL REMAIN INSTALLED AT LOCATIONS WHERE ROADWAY HAZARDS WITHIN THE WORK ZONE WILL REMAIN OVERNIGHT.
- SHORT TERM PAVEMENT MARKINGS ON THE FINAL SURFACE SHALL BE TYPE IV TAPE.

COMMITMENTS

NONE

| | | |
|-----------------------------|-------------------|-----------------------------------|
| USER NAME = mclark | DESIGNED - ZEW | REVISED - |
| | DRAWN - KAR | REVISED - |
| PLOT SCALE = 20,000 " / in. | CHECKED - JDW | REVISED - |
| PLOT DATE = 12/10/2025 | DATE - 12/10/2025 | FILE - 220239-SHT-GenNotes_01.dgn |

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HIGHWAY STANDARDS

| | |
|-------------|---|
| 000001-09 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS |
| 442201-04 | CLASS C AND D PATCHES |
| 630001-13 | STEEL PLATE BEAM GUARDRAIL |
| 630301-09 | SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS |
| 631011-10 | TRAFFIC BARRIER TERMINAL, TYPE 2 |
| 701001-02 | OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY |
| 701006-05 | OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE |
| 701111-04 | OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY |
| 701201-05 | LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS \geq 45 MPH |
| 701301-04 | LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS |
| 701306-04 | LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS \geq 45 MPH |
| 701311-03 | LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY |
| 701901-11 | TRAFFIC CONTROL DEVICES |
| 720001-01 | SIGN PANEL MOUNTING DETAILS |
| 720006-04 | SIGN PANEL ERECTION DETAILS |
| 725001-01 | OBJECT AND TERMINAL MARKERS |
| 728001-01 | TELESCOPING STEEL SIGN SUPPORT |
| 729001-01 | APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS) |
| 731001-01 | BASE FOR TELESCOPING STEEL SIGN SUPPORT |
| 782006-01 | GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS |
| B.L.R. 24-2 | MAILBOX TURNOUT FOR LOCAL ROADS |

SUMMARY OF QUANTITIES

| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | GRAFTON TOWNSHIP | VILLAGE OF LAKEWOOD |
|----------|---|-------|---------------------|---------------------|---------------------|
| | | | 80% FED 20% VILL | 80% FED 20% VILL | 80% FED 20% VILL |
| | | | ROADWAY | ROADWAY | ROADWAY |
| 20201200 | REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL | CU YD | 228 | 13 | 215 |
| | | | | | |
| 21001000 | GEOTECHNICAL FABRIC FOR GROUND STABILIZATION | SQ YD | 1,360 | 75 | 1,285 |
| | | | | | |
| 21101615 | TOPSOIL FURNISH AND PLACE, 4" | SQ YD | 5,173 | 1,193 | 3,980 |
| | | | | | |
| 25000210 | SEEDING, CLASS 2A | ACRE | 1.25 | 0.30 | 0.95 |
| | | | | | |
| 25000400 | NITROGEN FERTILIZER NUTRIENT | POUND | 113 | 27 | 86 |
| | | | | | |
| 25000600 | POTASSIUM FERTILIZER NUTRIENT | POUND | 113 | 27 | 86 |
| | | | | | |
| 25100645 | WILDLIFE FRIENDLY EROSION CONTROL BLANKET | SQ YD | 5,173 | 1,193 | 3,980 |
| | | | | | |
| 28000250 | TEMPORARY EROSION CONTROL SEEDING | POUND | 125 | 30 | 95 |
| | | | | | |
| 30300001 | AGGREGATE SUBGRADE IMPROVEMENT | CU YD | 228 | 13 | 215 |
| | | | | | |
| 40600290 | BITUMINOUS MATERIALS (TACK COAT) | POUND | 19,784 | 4,528 | 15,256 |
| | | | | | |
| 40600370 | LONGITUDINAL JOINT SEALANT | FOOT | 11,638 | 2,684 | 8,954 |
| | | | | | |
| 40600400 | MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS | TON | 9 | 2 | 7 |
| | | | | | |
| 40600982 | HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT | SQ YD | 80 | 34 | 46 |
| | | | | | |
| 40603200 | POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 | TON | 1,210 | 277 | 933 |
| | | | | | |
| 40604060 | HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 | TON | 2,873 | 658 | 2,215 |
| | | | | | |

* INDICATES SPECIALTY ITEM

\$ INDICATES CONSTRUCTION CODE 0042 TRAINEES

SUMMARY OF QUANTITIES

| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | GRAFTON TOWNSHIP | VILLAGE OF LAKEWOOD |
|----------|---|--------|---------------------|---------------------|---------------------|
| | | | 80% FED 20% VILL | 80% FED 20% VILL | 80% FED 20% VILL |
| | | | ROADWAY | ROADWAY | ROADWAY |
| 44000159 | HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2" | SQ YD | 29,308 | 6,707 | 22,601 |
| | | | | | |
| 44201690 | CLASS D PATCHES, TYPE I, 4 INCH | SQ YD | 137 | 8 | 129 |
| | | | | | |
| 44201692 | CLASS D PATCHES, TYPE II, 4 INCH | SQ YD | 204 | 11 | 193 |
| | | | | | |
| 44201694 | CLASS D PATCHES, TYPE III, 4 INCH | SQ YD | 340 | 19 | 321 |
| | | | | | |
| 44201696 | CLASS D PATCHES, TYPE IV, 4 INCH | SQ YD | 679 | 37 | 642 |
| | | | | | |
| 48102100 | AGGREGATE WEDGE SHOULDER, TYPE B | TON | 585 | 99 | 486 |
| | | | | | |
| * | 63000001 STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS | FOOT | 363 | | 363 |
| * | 63100045 TRAFFIC BARRIER TERMINAL, TYPE 2 | EACH | 1 | | 1 |
| * | 63100167 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT | EACH | 3 | 2 | 1 |
| * | 63200310 GUARDRAIL REMOVAL | FOOT | 317 | | 317 |
| * | 66900200 NON-SPECIAL WASTE DISPOSAL | CU YD | 228 | 13 | 215 |
| * | 66900530 SOIL DISPOSAL ANALYSIS | EACH | 4 | | 4 |
| * | 66901001 REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN | L SUM | 1 | | 1 |
| * | 66901003 REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT | L SUM | 1 | | 1 |
| * | 66901006 REGULATED SUBSTANCES MONITORING | CAL DA | 10 | | 10 |

* INDICATES SPECIALTY ITEM

\$ INDICATES CONSTRUCTION CODE 0042 TRAINEES

SUMMARY OF QUANTITIES

| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | GRAFTON TOWNSHIP | VILLAGE OF LAKEWOOD |
|----------|---|-------|---------------------|---------------------|---------------------|
| | | | 80% FED 20% VILL | 80% FED 20% VILL | 80% FED 20% VILL |
| | | | ROADWAY | ROADWAY | ROADWAY |
| 67100100 | MOBILIZATION | L SUM | 1 | 0.2 | 0.8 |
| 70100450 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701201 | L SUM | 1 | 0.2 | 0.8 |
| 70100460 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701306 | L SUM | 1 | 0.2 | 0.8 |
| 70300100 | SHORT TERM PAVEMENT MARKING | FOOT | 186,712 | 43,316 | 143,396 |
| 70300150 | SHORT TERM PAVEMENT MARKING REMOVAL | SQ FT | 62,838 | 14,819 | 48,019 |
| * | 72000100 SIGN PANEL - TYPE 1 | SQ FT | 107 | 44 | 63 |
| | 72400735 REMOVE AND RELOCATE SIGN PANEL - TYPE 1 | EACH | 4 | 4 | |
| * | 72501000 TERMINAL MARKER - DIRECT APPLIED | EACH | 3 | 2 | 1 |
| * | 72800100 TELESCOPING STEEL SIGN SUPPORT | FOOT | 285 | 105 | 180 |
| * | 78000200 THERMOPLASTIC PAVEMENT MARKING - LINE 4" | FOOT | 46,552 | 10,736 | 35,816 |
| * | 78000600 THERMOPLASTIC PAVEMENT MARKING - LINE 12" | FOOT | 60 | 60 | |
| * | 78000650 THERMOPLASTIC PAVEMENT MARKING - LINE 24" | FOOT | 66 | 33 | 33 |
| * | 78011025 GROOVING FOR RECESSED PAVEMENT MARKING, 5" | SQ FT | 19,398 | 4,474 | 14,924 |
| * | 78100100 RAISED REFLECTIVE PAVEMENT MARKER | EACH | 146 | 34 | 112 |
| * | 78200005 GUARDRAIL REFLECTORS, TYPE A | EACH | 4 | | 4 |

* INDICATES SPECIALTY ITEM

\$ INDICATES CONSTRUCTION CODE 0042 TRAINEES



Consulting Engineers

USER NAME = jwilhelmsen
DESIGNED - ZEW
DRAWN - KAR
PLOT SCALE = 20.0000 ' / in.
PLOT DATE = 12/11/2025

REVISED -
REVISED -
REVISED -
DATE - 12/11/2025

FILE - 220239-SHT-SOQ_01.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | GRAFTON TOWNSHIP | VILLAGE OF LAKEWOOD |
|----------|--|-------|---------------------|---------------------|---------------------|
| | | | 80% FED 20% VILL | 80% FED 20% VILL | 80% FED 20% VILL |
| | | | ROADWAY | ROADWAY | ROADWAY |
| K1004595 | PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE | L SUM | 1 | 0.2 | 0.8 |
| XX006947 | HOT-MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT | SQ YD | 989 | 645 | 344 |
| X7200061 | TEMPORARY INFORMATION SIGNING | SQ FT | 52 | 26 | 26 |

* INDICATES SPECIALTY ITEM

\$ INDICATES CONSTRUCTION CODE 0042 TRAINEES

SUMMARY OF QUANTITIES

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

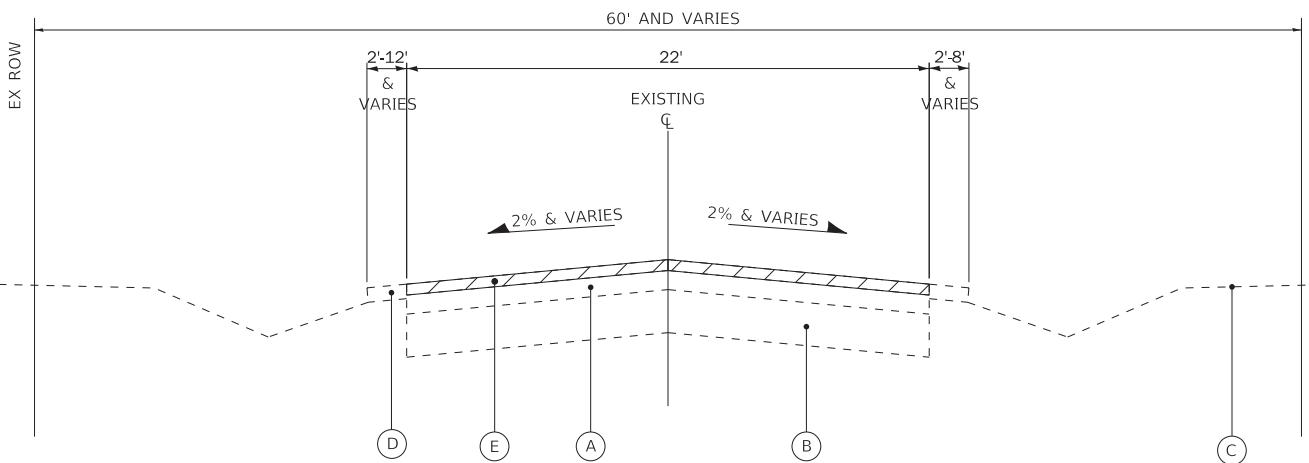
F.A. RTE. SECTION COUNTY TOTAL SHEET NO.
0203 22-00016-00-RS MCHENRY 21 4
CONTRACT NO. 61M23
ILLINOIS FED. AID PROJECT N86V(322)

NOTE:

GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND/OR AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAVE BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ABOVE ITEM WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

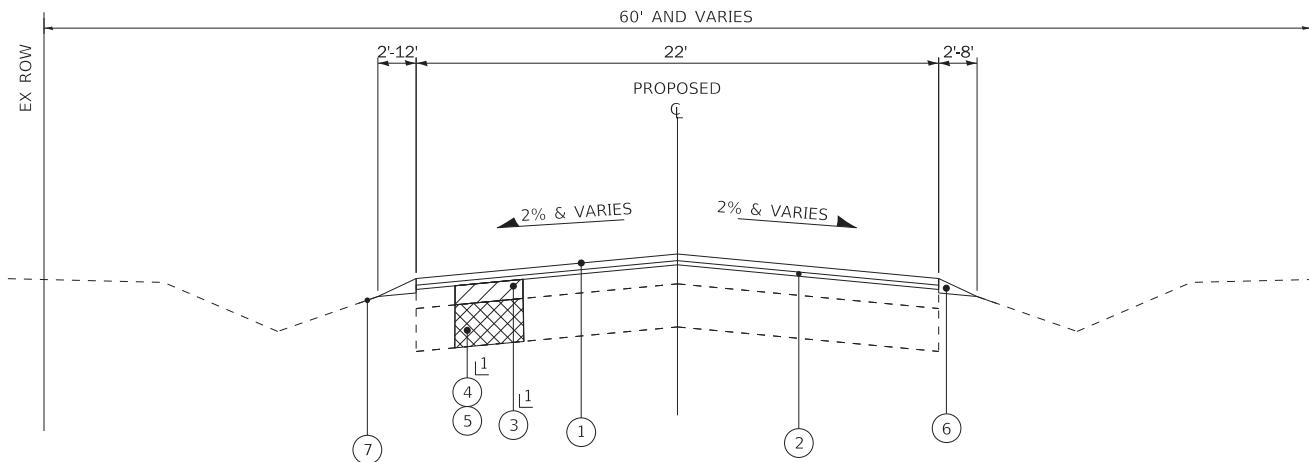
ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECT BY THE ENGINEER AT CONTRACTOR EXPENSE.

THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE P HMA BC IL-4.7 N50.



EXISTING TYPICAL SECTION

BALLARD ROAD
STA 10+32 TO STA 127+74



PROPOSED TYPICAL SECTION
BALLARD ROAD
STA 10+32 TO STA 127+73

1 LOCATIONS DETERMINED BY ENGINEER

EXISTING PAVEMENT THICKNESS DATA

| STREET | CORE | HOT-MIX ASPHALT | AGG BASE |
|--------------|------|-------------------|--------------------|
| BALLARD ROAD | 1 | 6" | 7" |
| BALLARD ROAD | 2 | 6 $\frac{3}{4}$ " | 15 $\frac{1}{4}$ " |
| BALLARD ROAD | 3 | 8" | 10" |
| BALLARD ROAD | 4 | 6 $\frac{1}{2}$ " | 16 $\frac{1}{2}$ " |
| BALLARD ROAD | 5 | 8 $\frac{3}{4}$ " | 9 $\frac{1}{4}$ " |
| BALLARD ROAD | 6 | 3 $\frac{3}{4}$ " | 17 $\frac{1}{4}$ " |
| BALLARD ROAD | 7 | 5" | 17" |
| BALLARD ROAD | 8 | 4" | 19" |
| BALLARD ROAD | 9 | 3 $\frac{3}{4}$ " | 18 $\frac{1}{4}$ " |
| BALLARD ROAD | 10 | 4 $\frac{1}{4}$ " | 17 $\frac{3}{4}$ " |

PROPOSED LEGEND

- ① HOT - MIX ASPHALT SURFACE COURSE, IL - 9.5, MIX "D", N50 - 1.75"
- ② POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL - 4.75, N50 - 0.75"
- ③ CLASS D PATCHES 4"
- ④ REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
- ⑤ AGGREGATE SUBGRADE IMPROVEMENT
- ⑥ AGGREGATE WEDGE SHOULDERS, TYPE B
- ⑦ SEEDING, CLASS 2A

EXISTING LEGEND

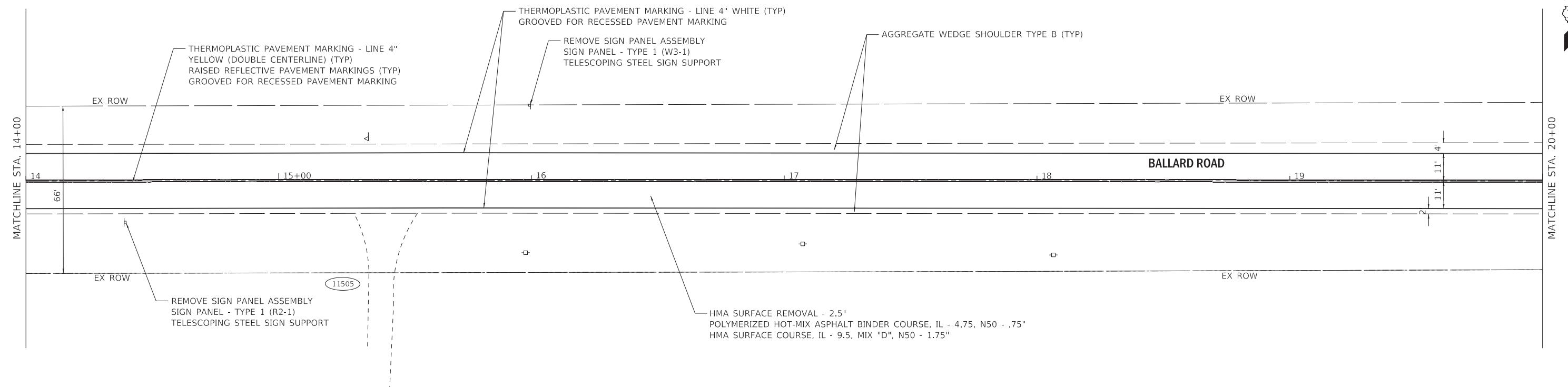
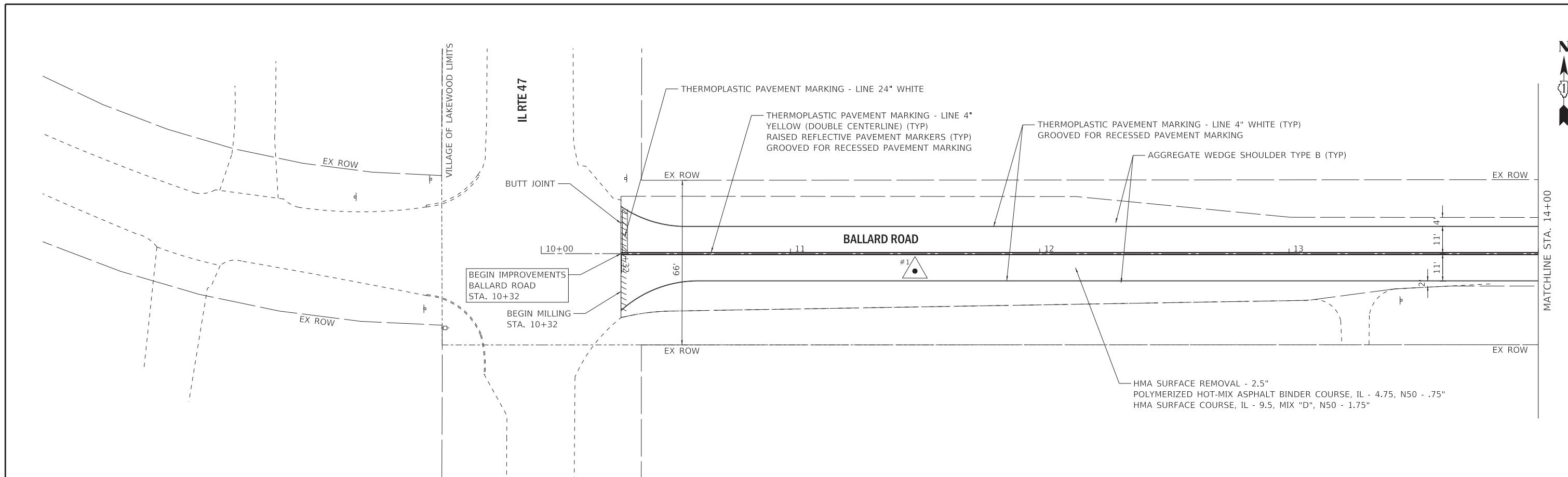
- (A) EXISTING HMA BINDER AND SURFACE COURSE, 3.75" - 8.75"
- (B) EXISTING AGGREGATE BASE COURSE, 7.0" - 19.0"
- (C) GROUND SURFACE
- (D) EXISTING AGGREGATE SHOULDER
- (E) HOT-MIX ASPHALT SURFACE REMOVAL, 2.5"
- REMOVAL ITEM

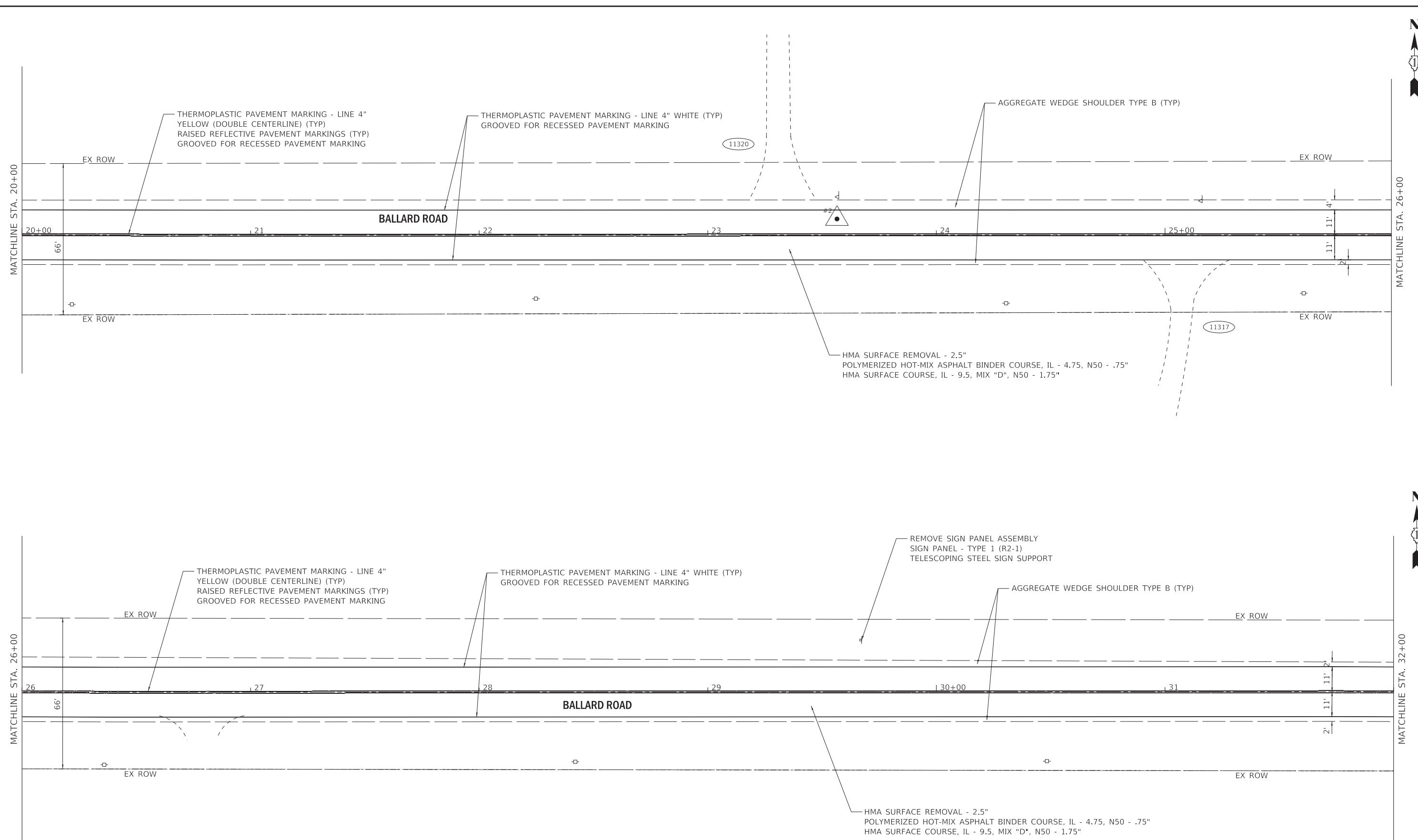
HOT-MIX ASPHALT MIXTURE REQUIREMENTS

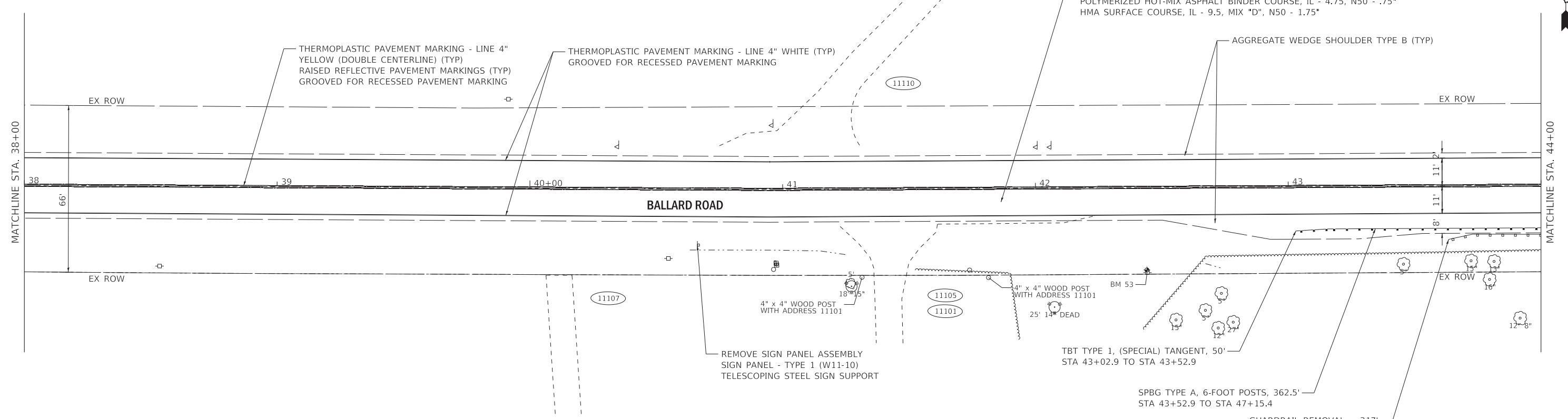
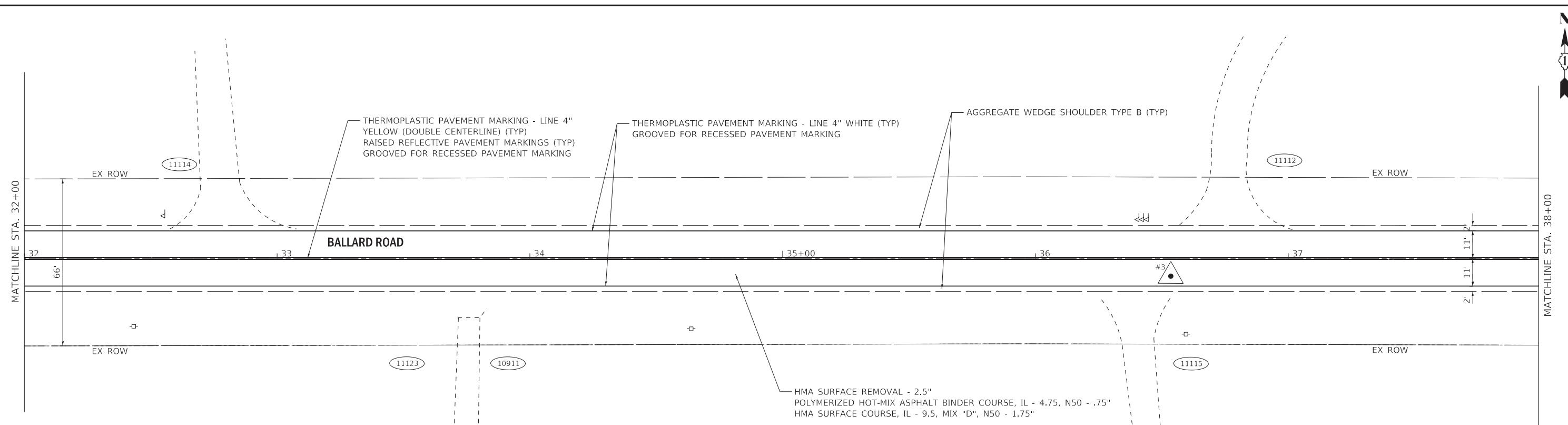
| MIXTURE TYPE | AIR VOIDS @ Ndes | QMP |
|--|---------------------|----------|
| PAVEMENT RESURFACING | | |
| POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL - 4.75, N50 - 3/4" | 3.5% @ 50 Gyr. | LR1030-2 |
| HOT-MIX ASPHALT SURFACE COURSE, IL - 9.5, MIX "D", N50 - 1 3/4" | 4% @ 50 Gyr. | LR1030-2 |
| HMA DRIVEWAY SURFACE REMOVAL & REPLACEMENT | | |
| HOT-MIX ASPHALT SURFACE COURSE, IL - 9.5, MIX "D", N50 - 2" | 4% @ 50 Gyr. | LR1030-2 |
| CLASS D PATCHES | | |
| HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 4" | 4% @ 50 Gyr. | LR1030-2 |
| QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR 1030-2 | | |

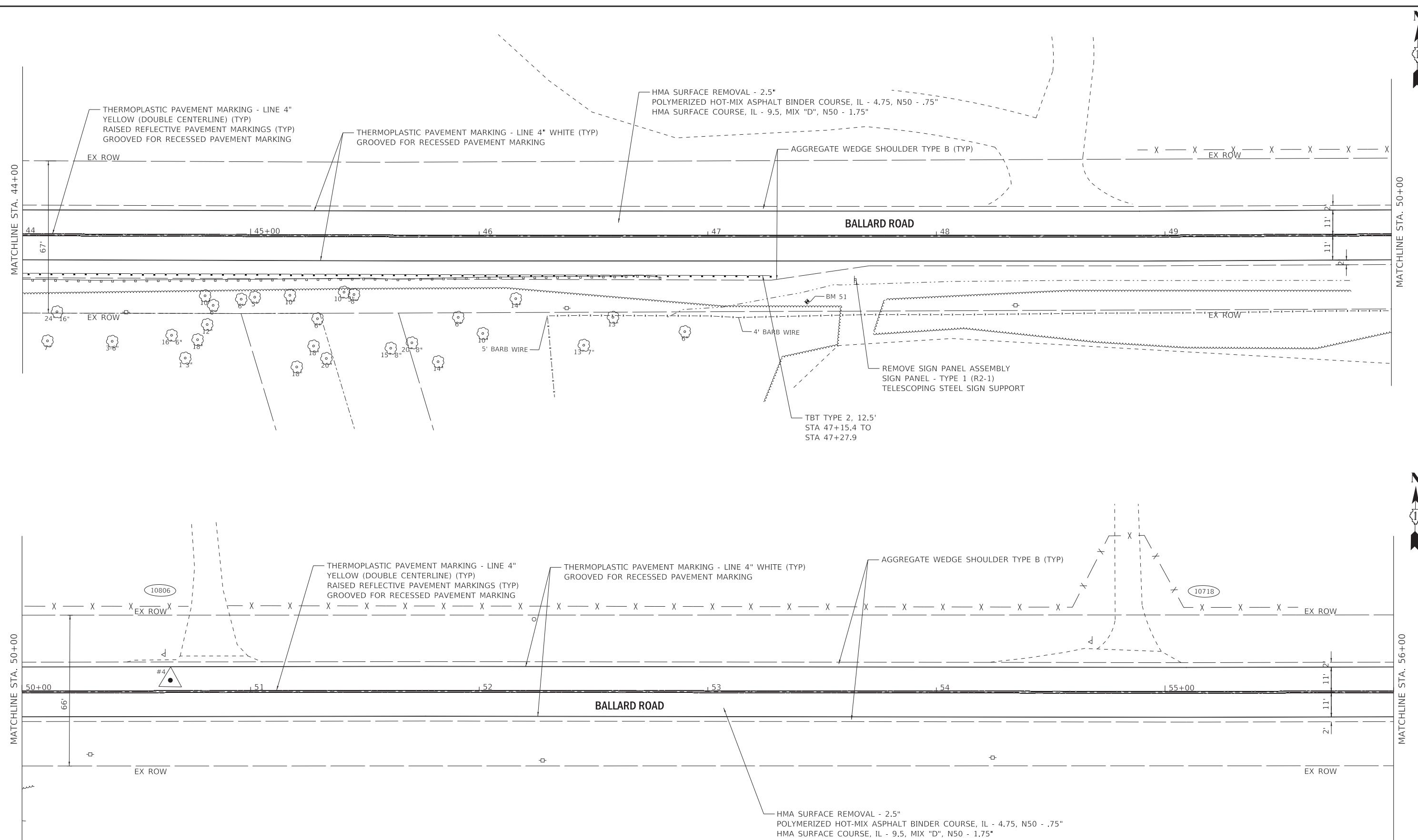
THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN

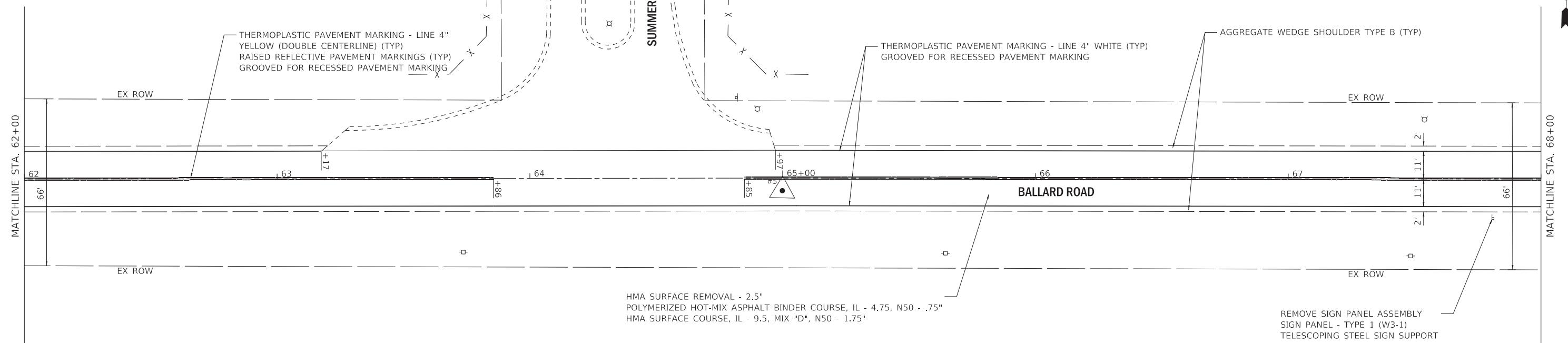
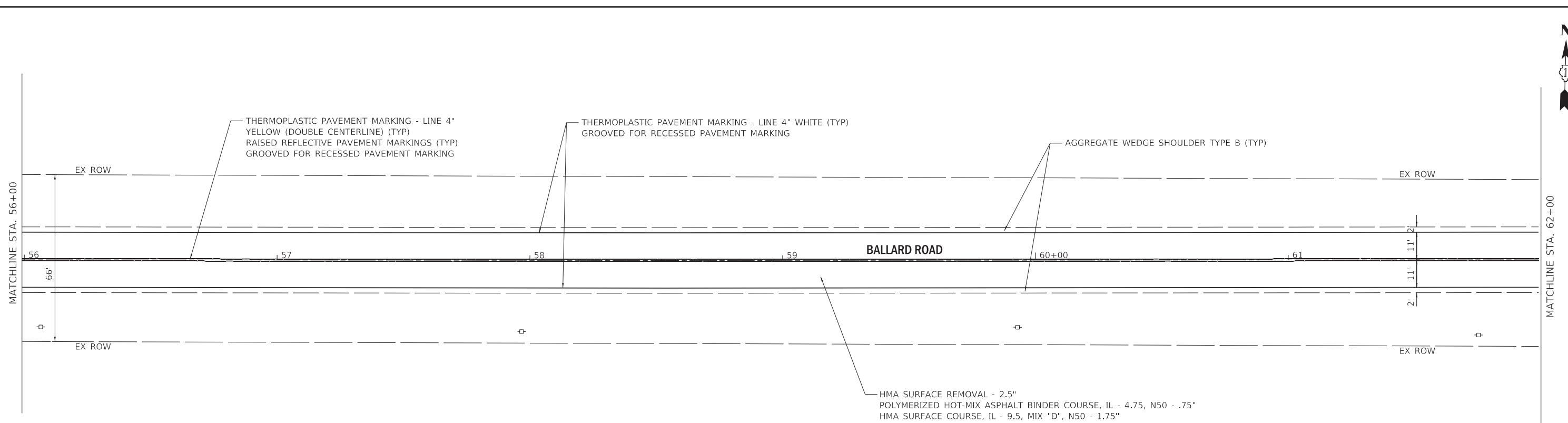
THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76 -22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64 -22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

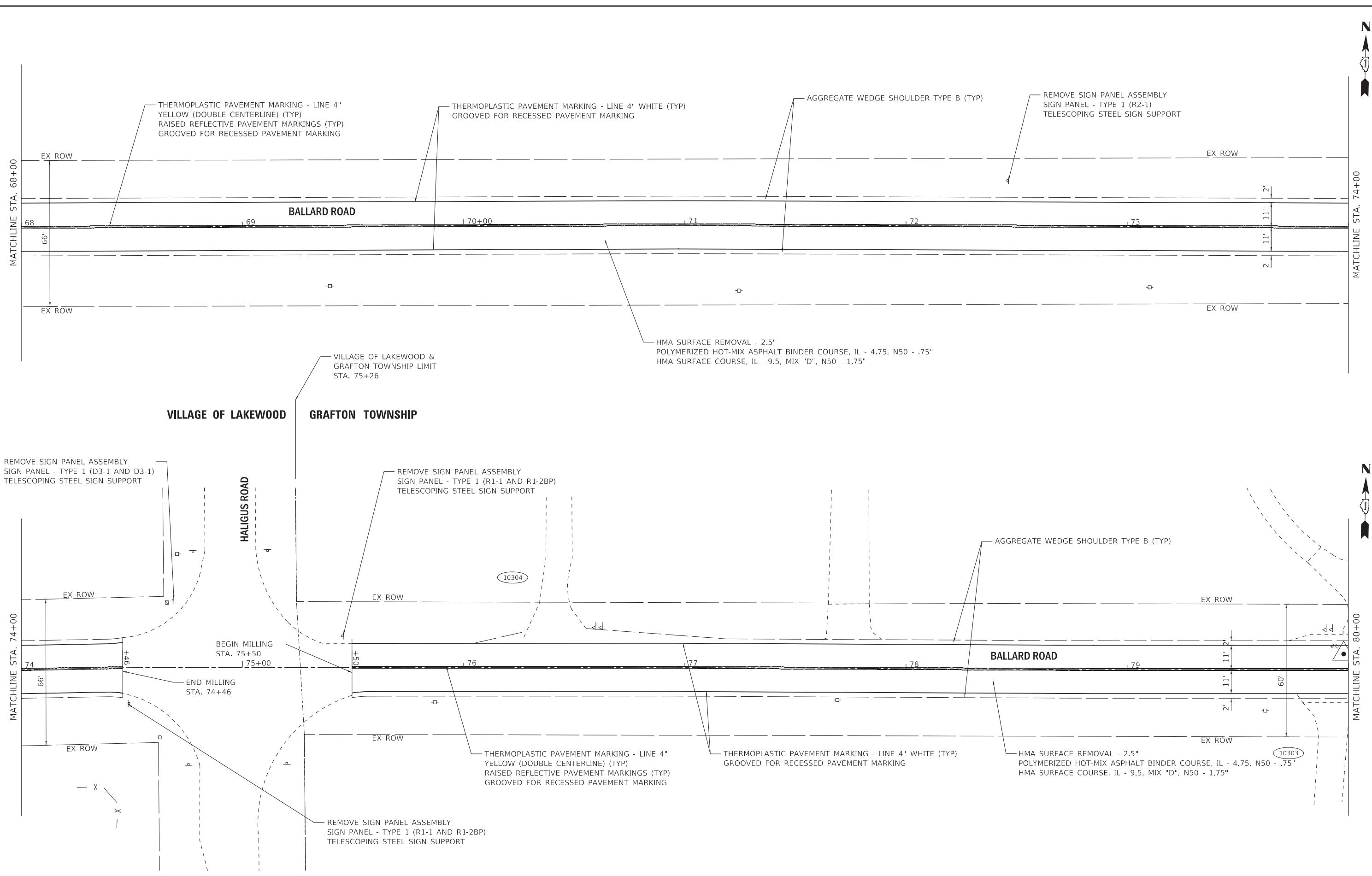


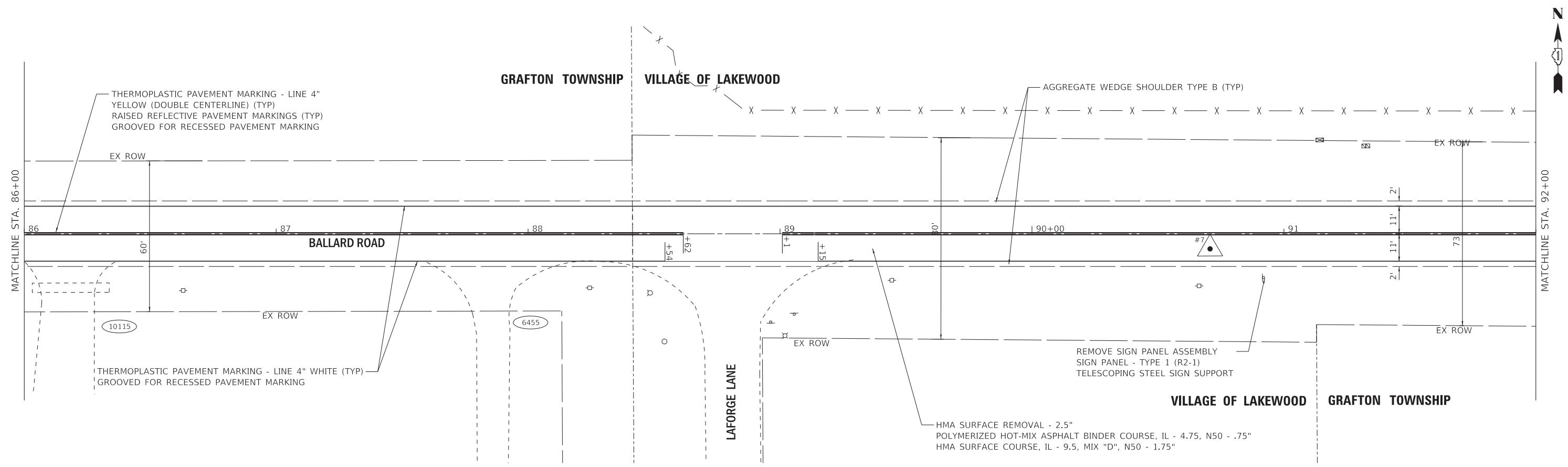
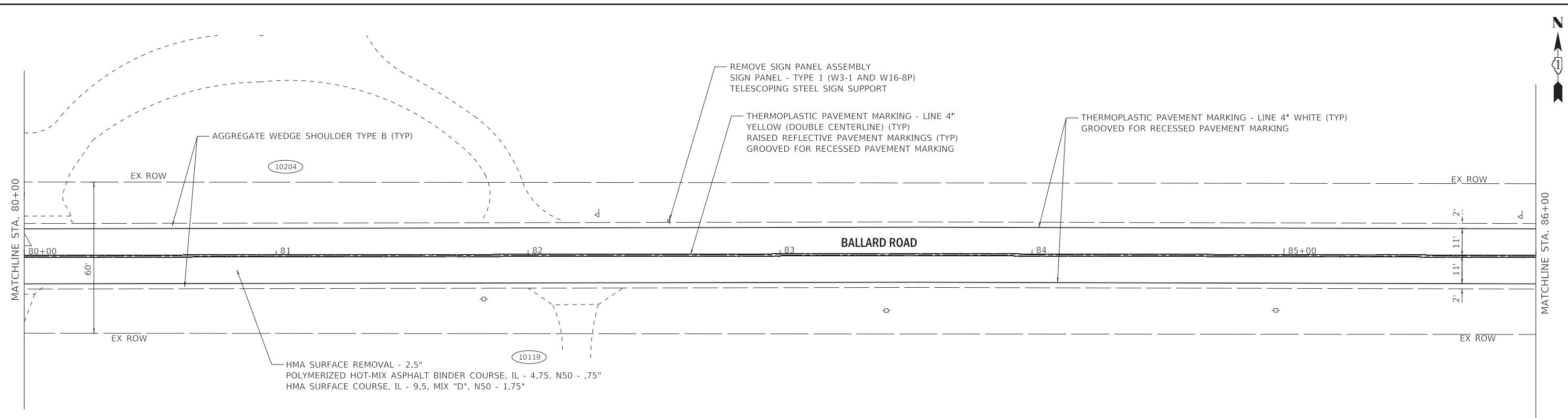


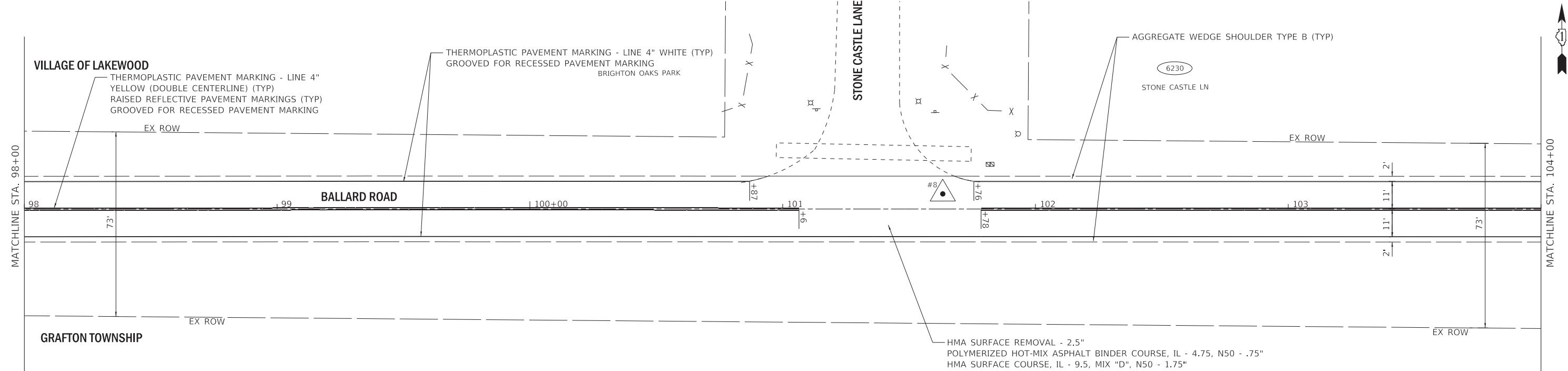
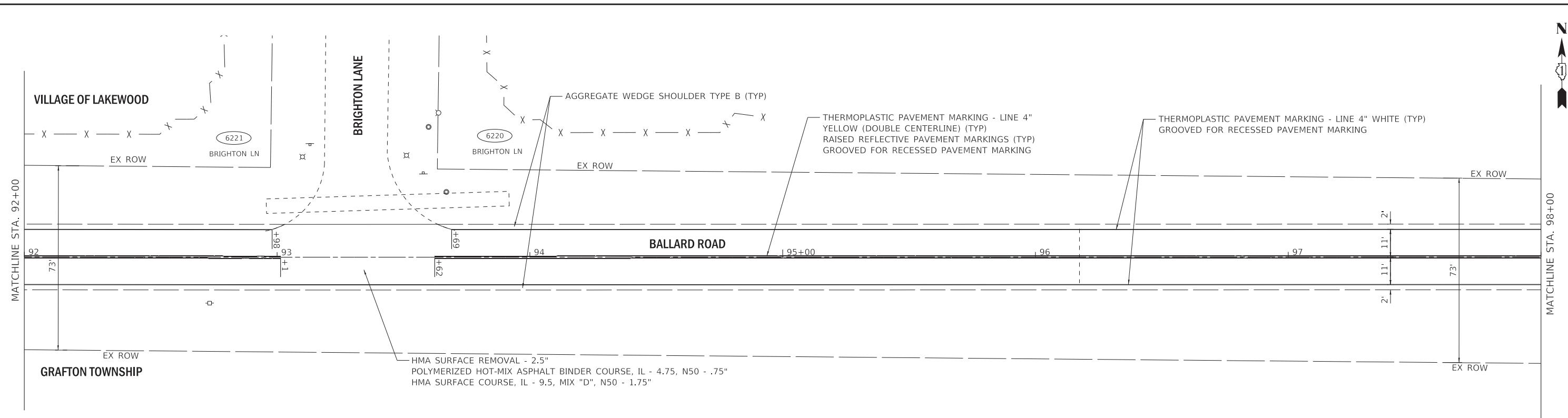


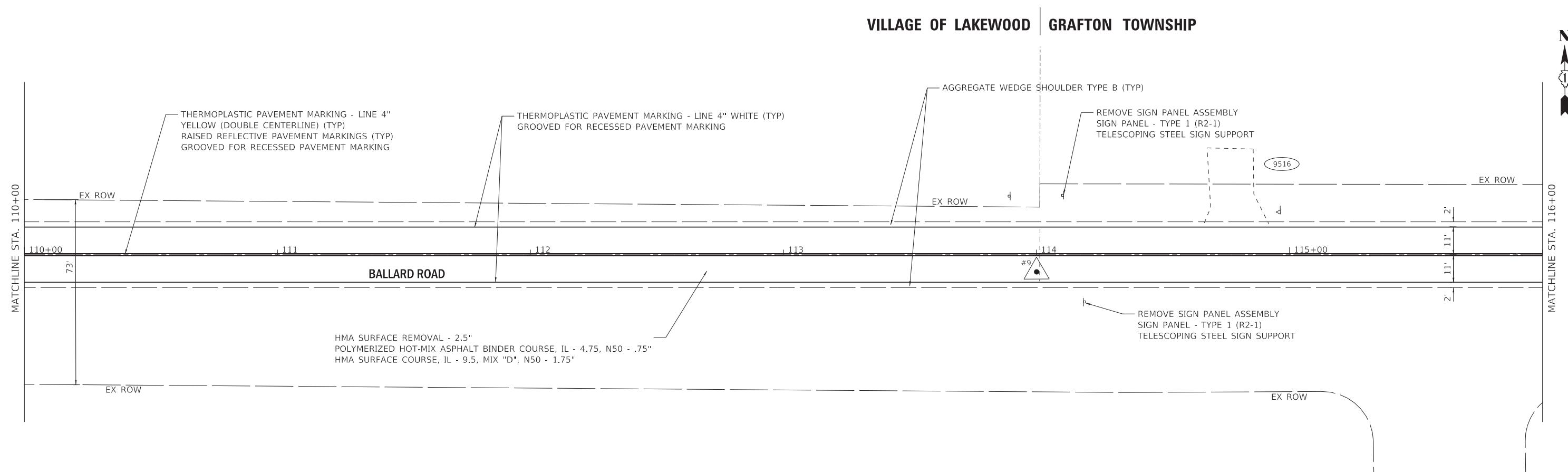
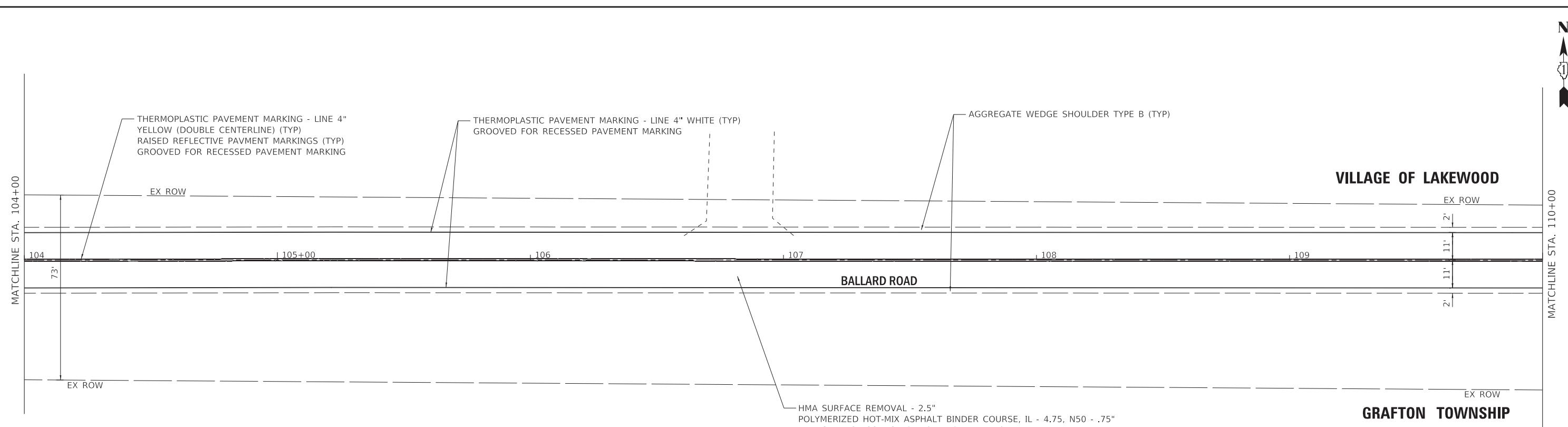


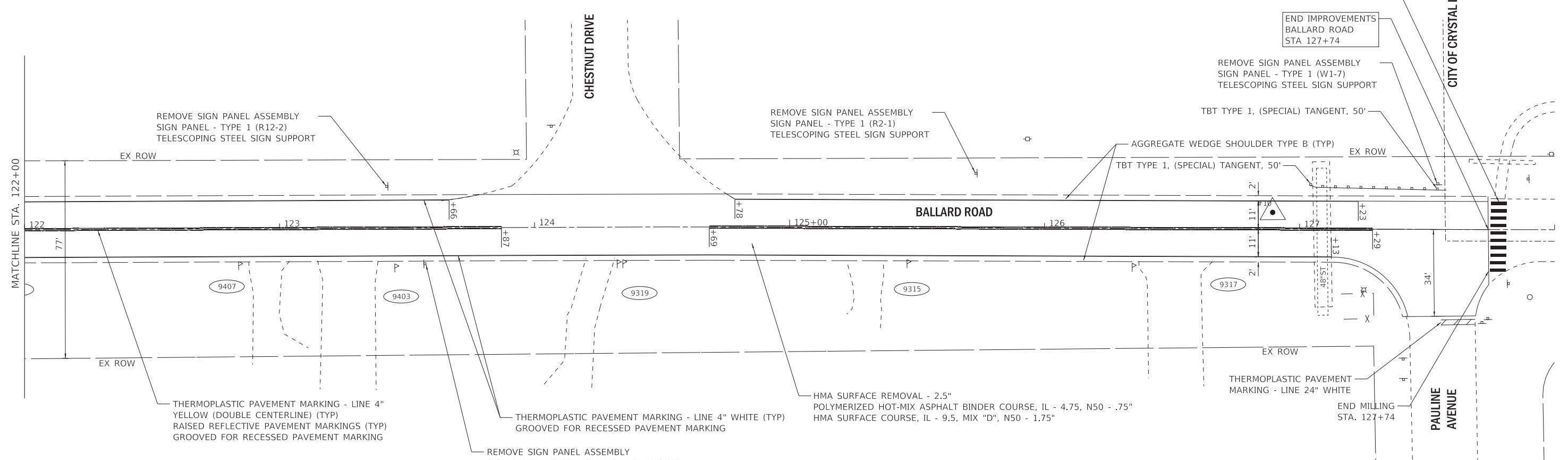
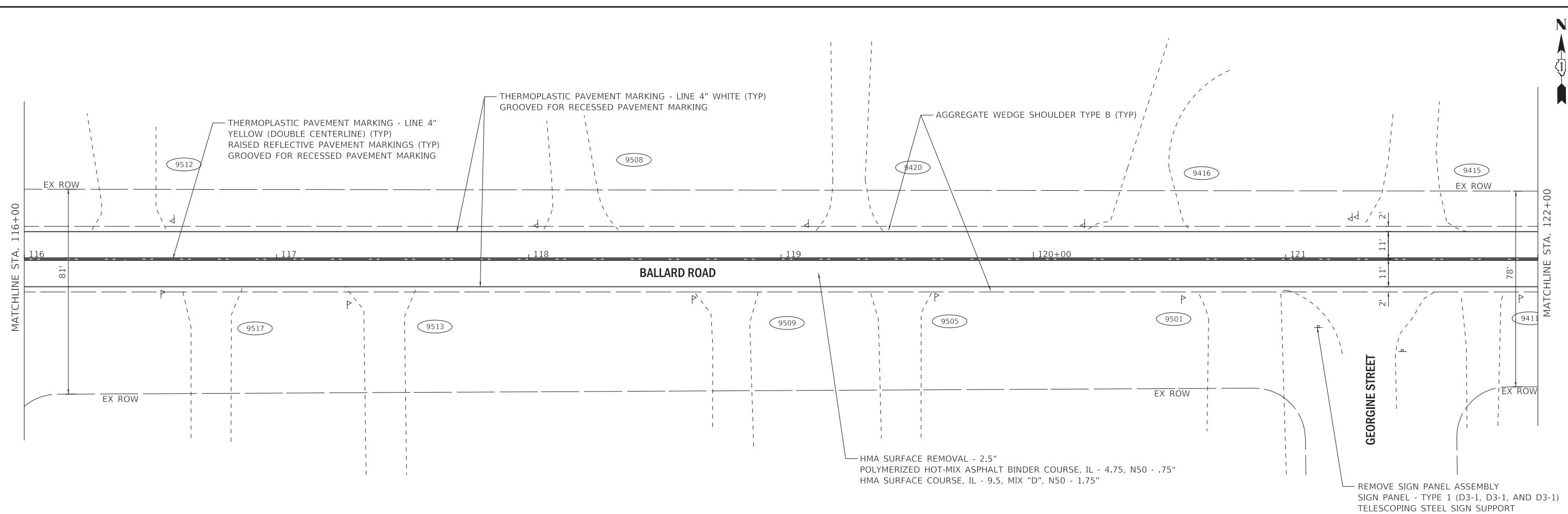


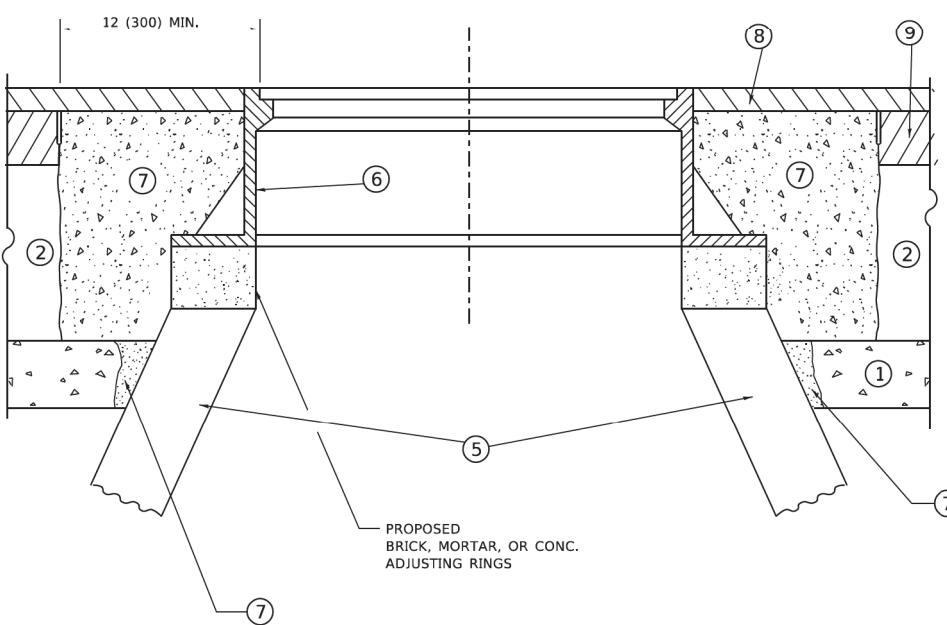
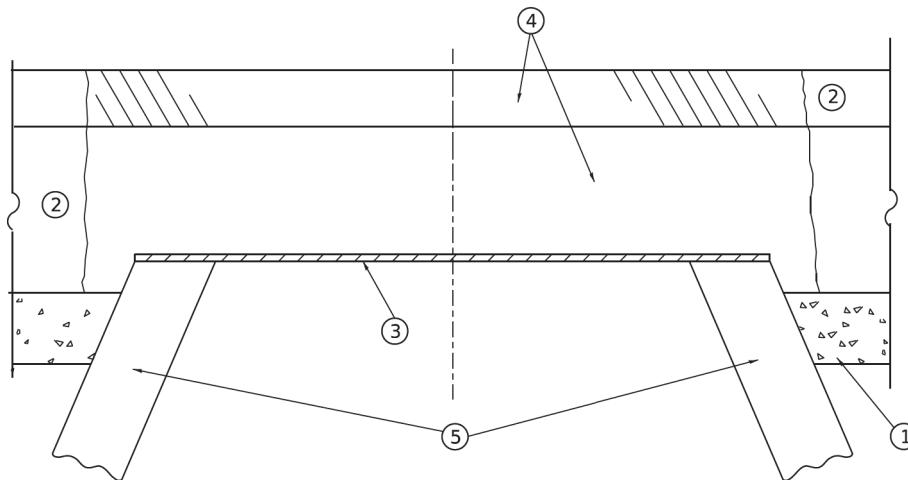












DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

NOTES

1. 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.
2. 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.
3. CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
4. THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
5. THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES BY THE END OF EACH WORK SHIFT.

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 3 (80) HMA TO REMAIN AFTER MILLING).

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-2* 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-2* 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

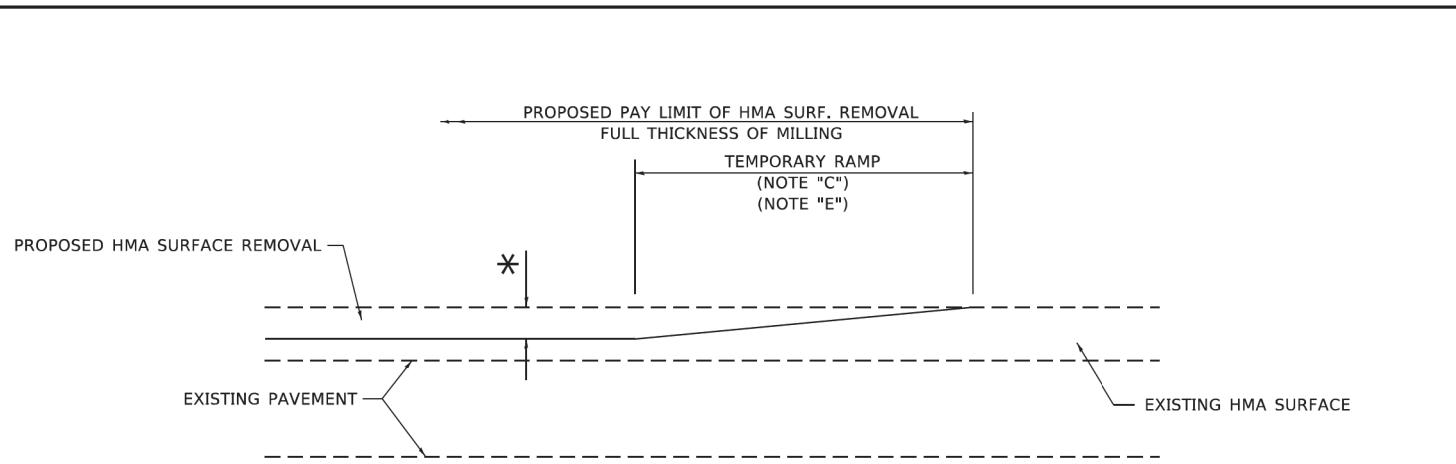
THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT

1. 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)."
2. THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.
3. NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.
4. 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.

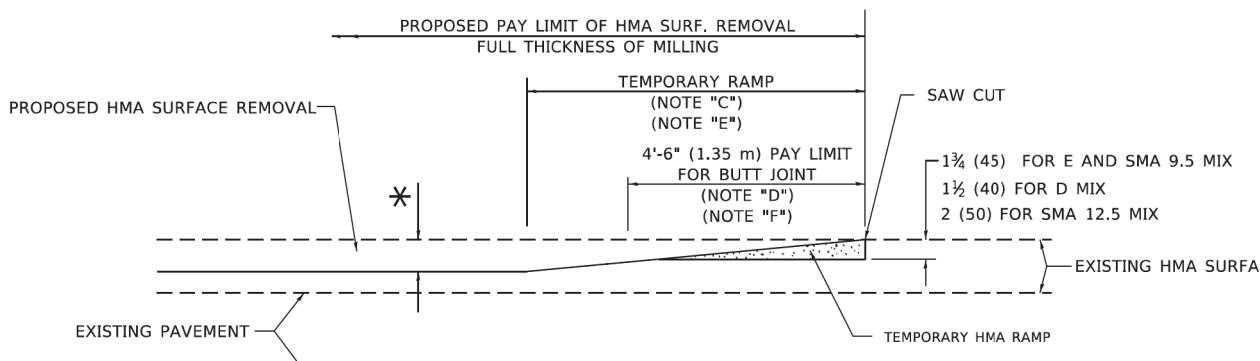
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

| STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING | | | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|--|-----------------------------|--------------|--------------|---------|--------------------|------------------|--------------|
| | 0203 | 22-00016-00-RS | MCHENRY | 21 | 16 | CONTRACT NO. 61M23 | | |
| | BD600-03 (BD-08) | | | | | CONTRACT NO. 61M23 | | |
| | SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. TO STA. | | | ILLINOIS | FED. AID PROJECT | N86V(322) |
| USER NAME = Lawrence.DeManche | DESIGNED - R. SHAH | REVISED - R. BORO 03-09-11 | | | | | | |
| DRAWN - | | REVISED - R. BORO 12-06-11 | | | | | | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - K. SMITH 11-18-22 | | | | | | |
| PLOT DATE = 9/15/2023 | DATE - 10-25-94 | REVISED - K. SMITH 09-15-23 | | | | | | |



MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

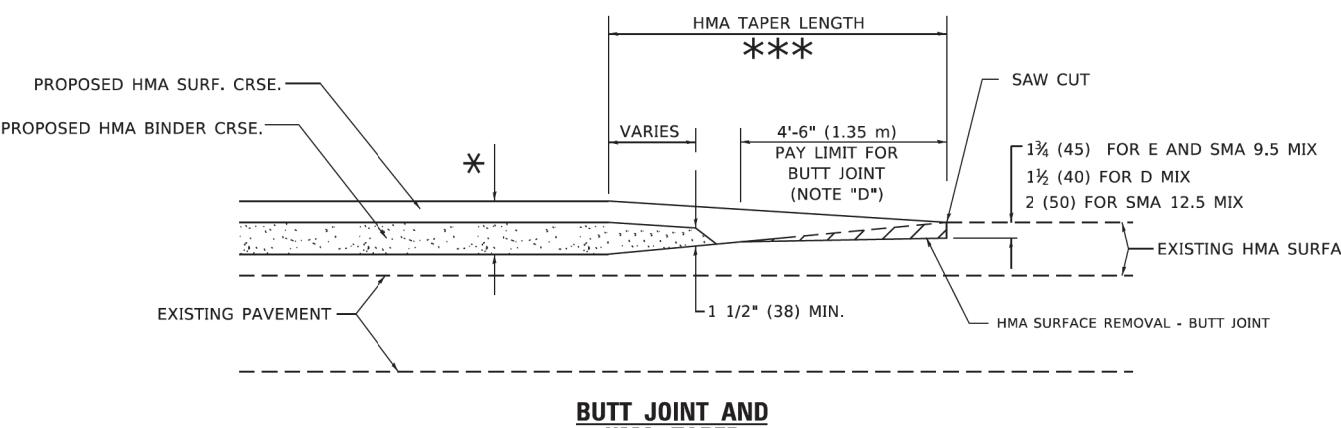
OPTION 1



HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

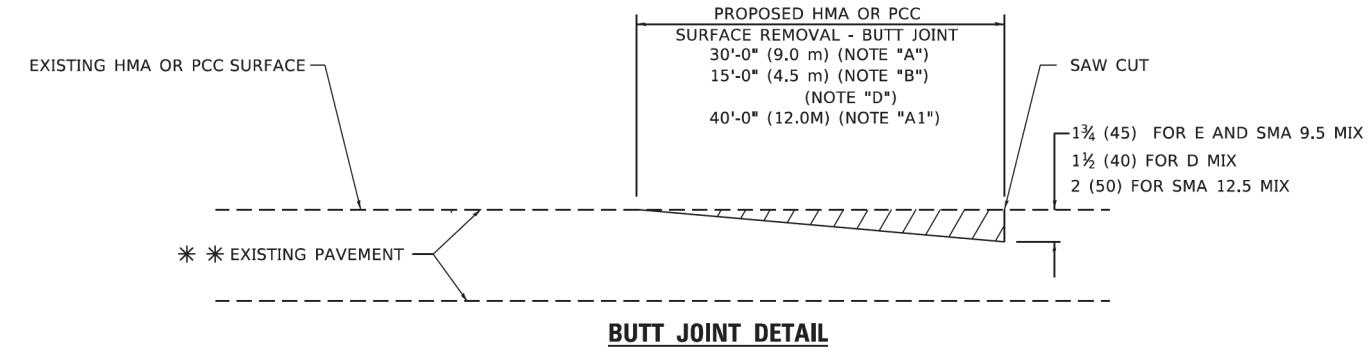
OPTION 2

TYPICAL TEMPORARY RAMP

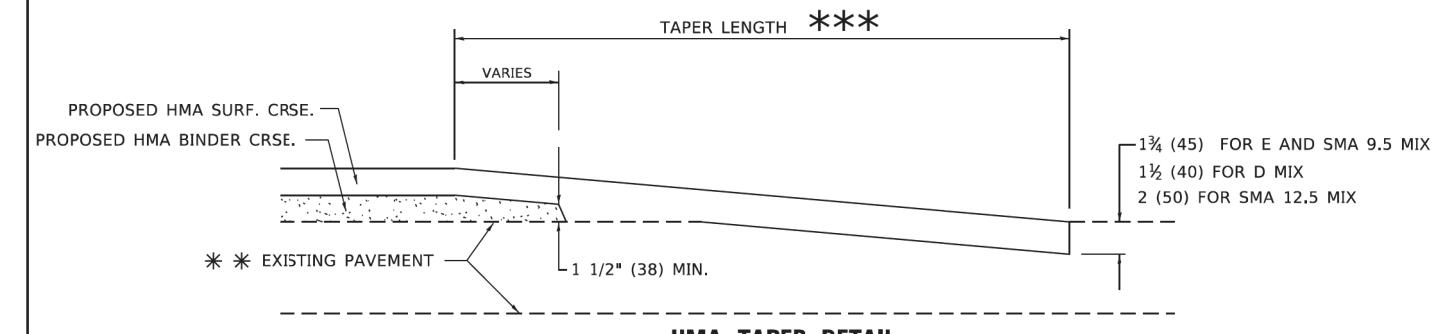


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

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".

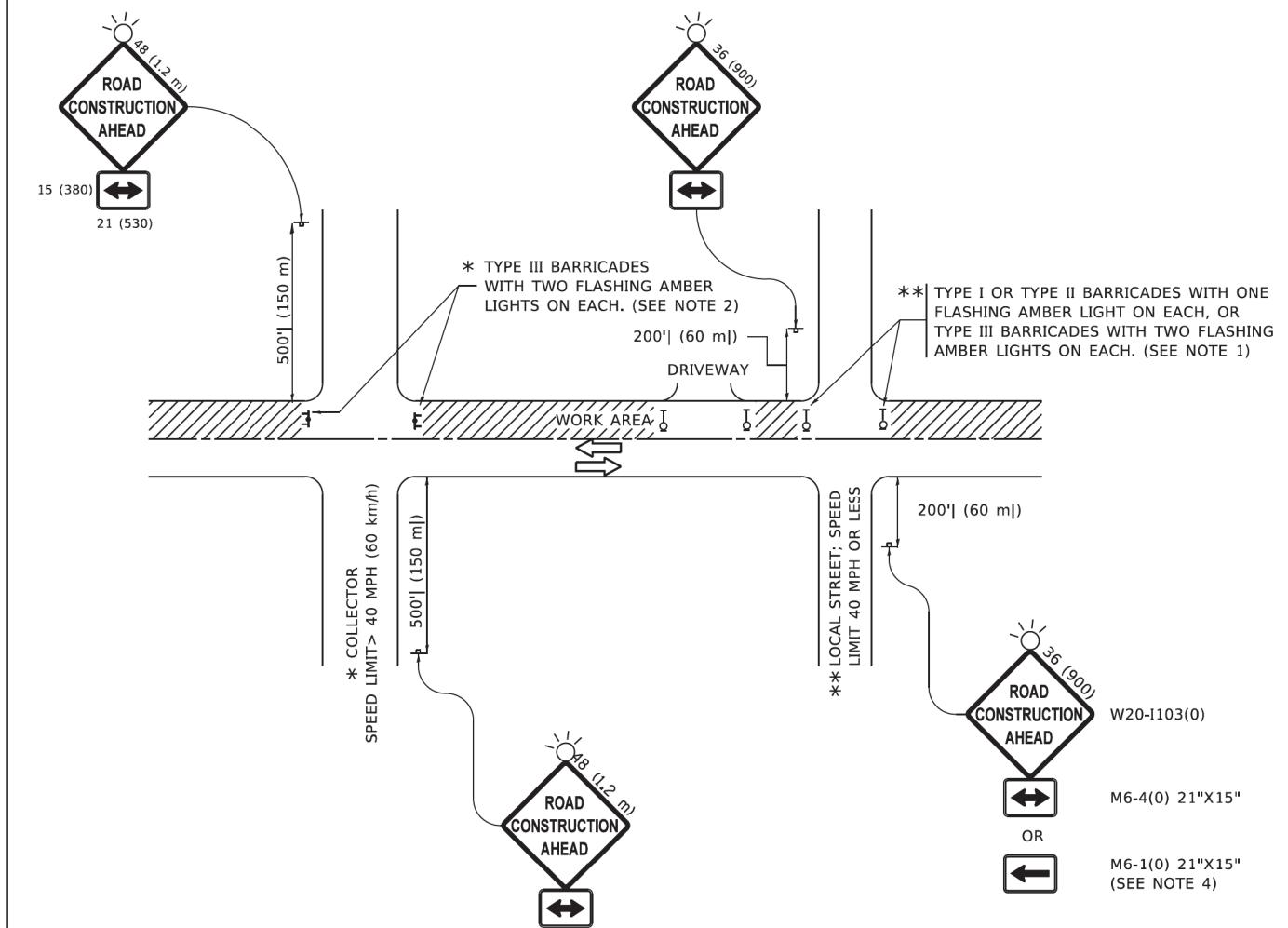
*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

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.

| | | |
|-------------------------------|-----------------------|-----------------------------|
| USER NAME = Lawrence.DeManche | 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 = 11/18/2022 | DATE - 06-13-90 | REVISED - K. SMITH 11-18-22 |



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.

| | | |
|-------------------------------|-------------------|---------------------------------|
| USER NAME = Lawrence.DeManche | DESIGNED - L.H.A. | REVISED - T. RAMMACHER 01-06-00 |
| DRAWN - | | REVISED - A. SCHUETZE 07-01-13 |
| PLOT SCALE = 100,0000 ' / in. | CHECKED - | REVISED - A. SCHUETZE 09-15-16 |
| PLOT DATE = 5/3/2024 | DATE - 06-89 | REVISED - D. SENDERAK 05-03-24 |

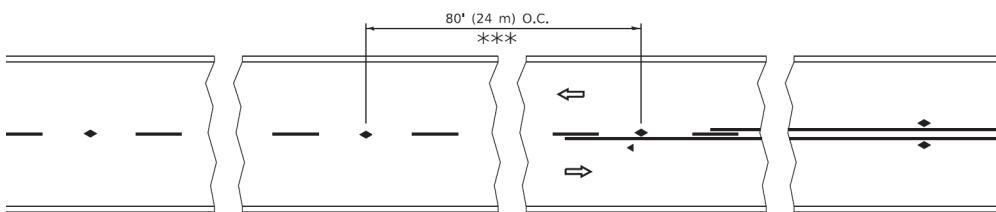
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------|----------------|--------------------|--------------|-----------|
| 0203 | 22-00016-00-RS | MCHENRY | 21 | 18 |
| TC-10 | | CONTRACT NO. 61M23 | | |

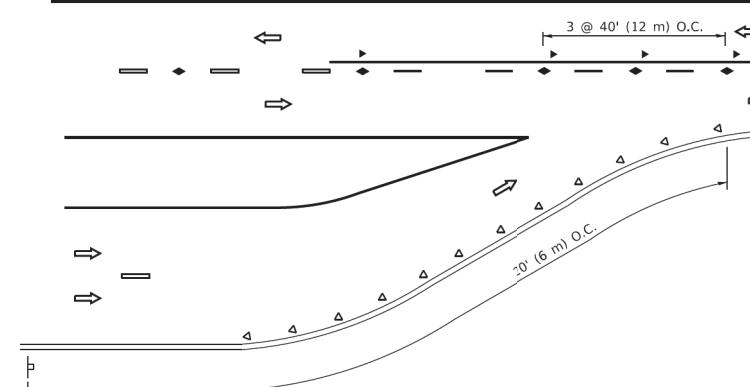
ILLINOIS FED. AID PROJECT N86V(322)



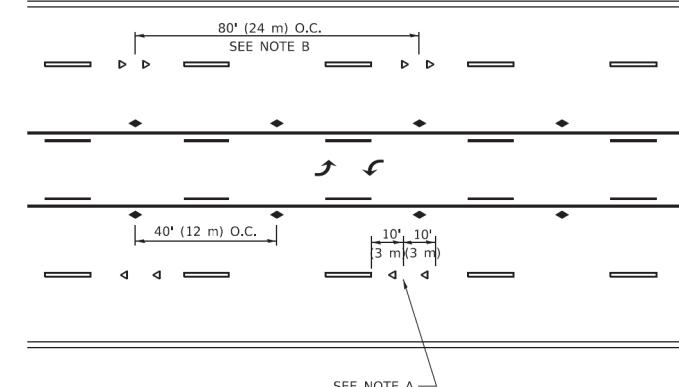
*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

TWO-LANE/TWO-WAY

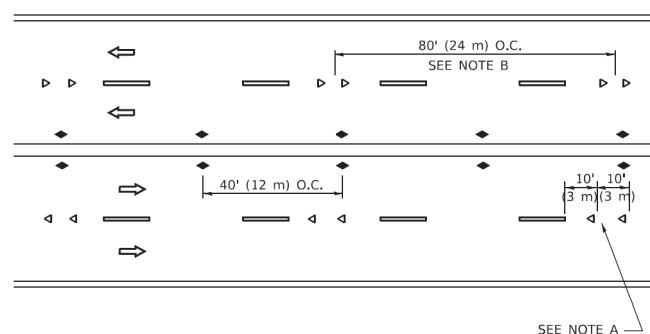
SEE FIGURE 3B-14 MUTCD



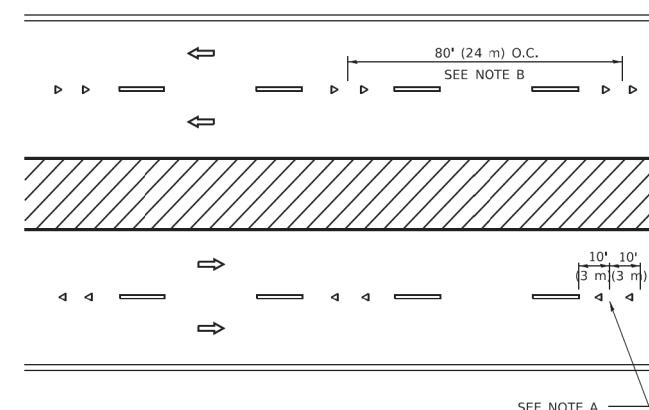
LANE REDUCTION TRANSITION



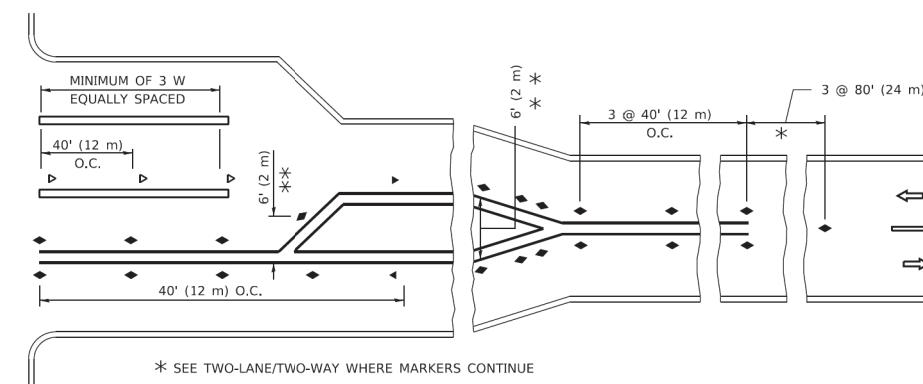
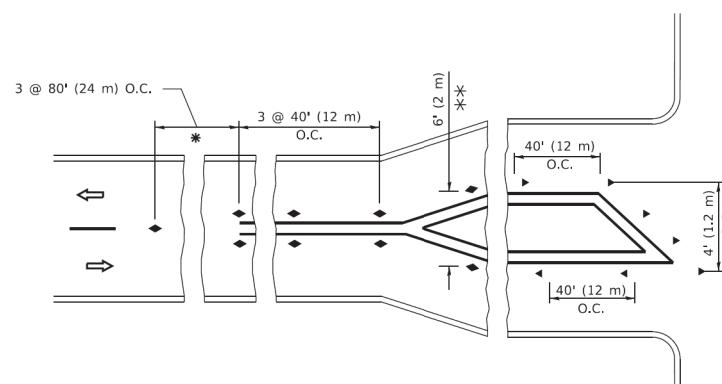
TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED



* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

TURN LANES

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

SYMBOLS

- YELLOw STRIPE
- WHITE STRIPE
- ▲ ONE-WAY AMBER MARKER
- △ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.

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

| | | |
|-----------------------------|------------|---------------------------------|
| USER NAME = footermj | DESIGNED - | REVISED - T. RAMMACHER 03-12-99 |
| | DRAWN - | REVISED - T. RAMMACHER 01-06-00 |
| PLOT SCALE = 50,000 ' / in. | CHECKED - | REVISED - C. JUCIUS 09-09-09 |
| PLOT DATE = 3/4/2019 | DATE - | REVISED - C. JUCIUS 07-01-13 |

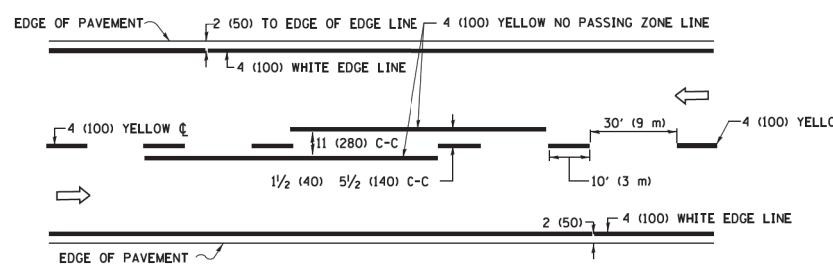
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

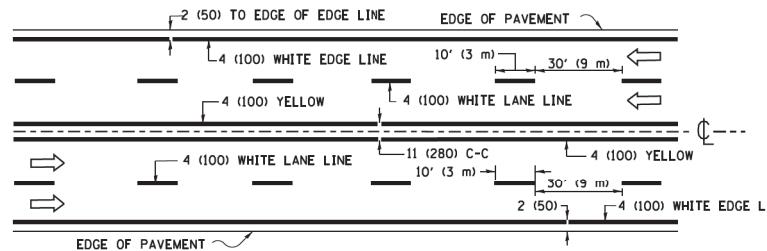
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

| F.A. RTE. 0203 | SECTION 22-00016-00-RS | COUNTY MCHENRY | TOTAL SHEETS 21 19 |
|-------------------|---------------------------|-------------------|-----------------------|
| TC-11 | | | CONTRACT NO. 61M23 |

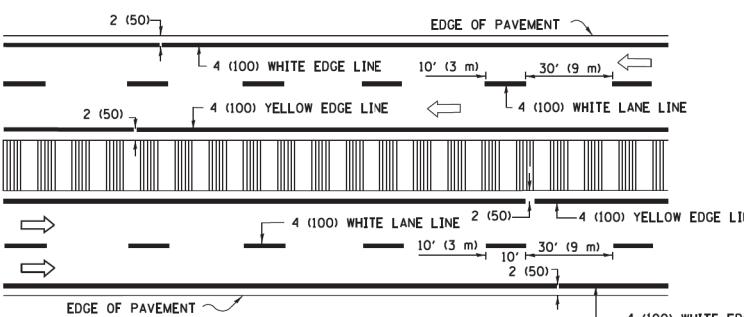
ILLINOIS FED. AID PROJECT N86V(322)



2-LANE ROADWAY

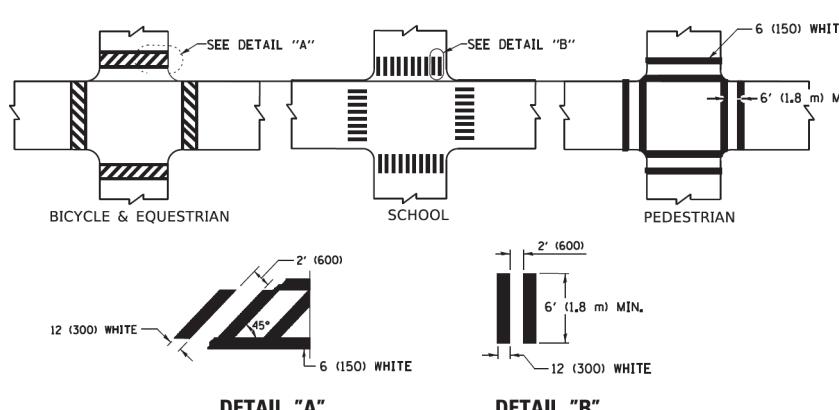


MULTI-LANE UNDIVIDED



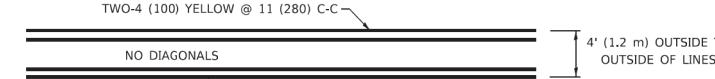
MULTI-LANE DIVIDED
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

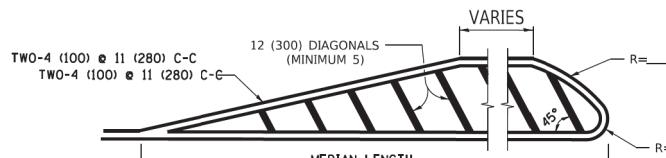


TYPICAL CROSSWALK MARKING

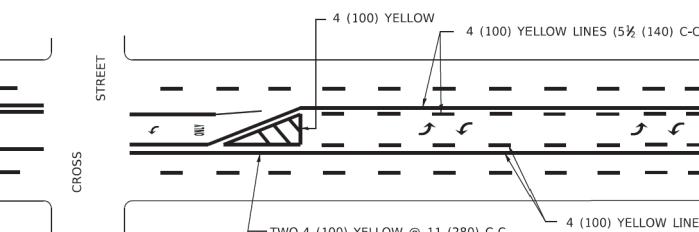
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



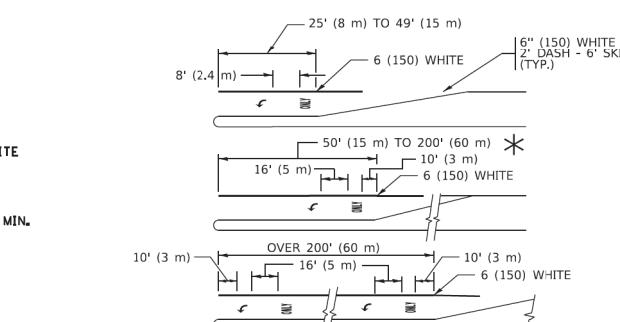
4' (1.2 m) WIDE MEDIAN ONLY



MEDIAN OVER 4' (1.2 m) WIDE

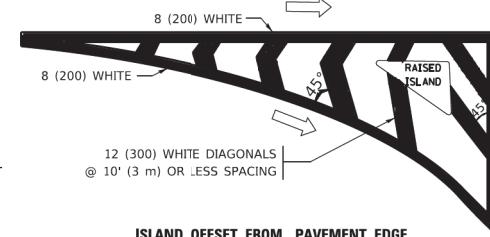


TYPICAL PAINTED MEDIAN MARKING

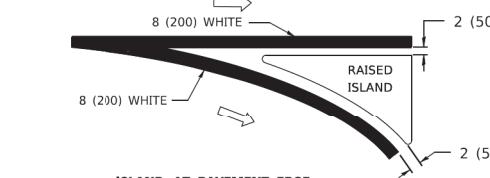


TYPICAL LEFT (OR RIGHT) TURN LANE

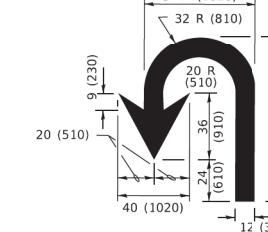
TYPICAL TURN LANE MARKING



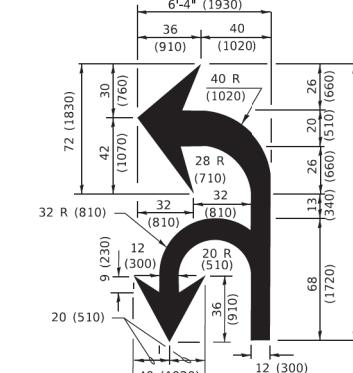
ISLAND OFFSET FROM PAVEMENT EDGE



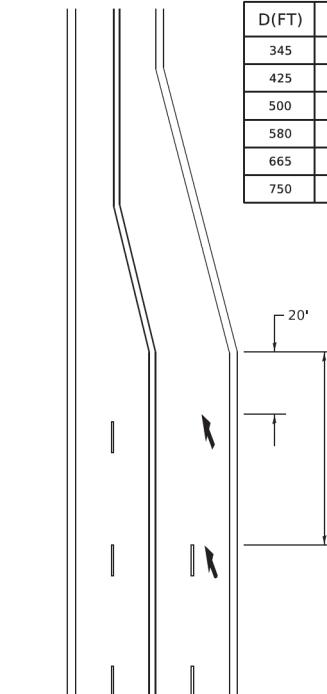
COMBINATION LEFT AND U-TURN



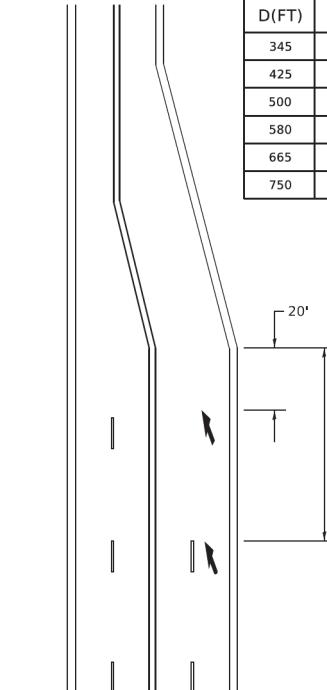
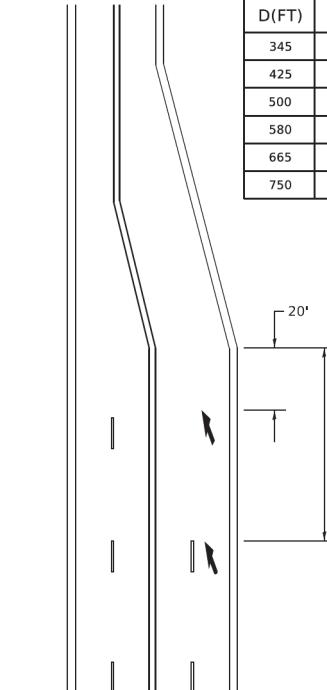
TYPICAL ISLAND MARKING



U-TURN



LANE REDUCTION TRANSITION



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

| 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 | 4 (100) | SOLID | YELLOW | 5½ (140) C-C FROM SKIP-DASH CENTERLINE |
| FOR BOTH DIRECTIONS | 2 @ 4 (100) | SOLID | YELLOW | 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN |
| LANE LINES | 4 (100) | SKIP-DASH | WHITE | 10' (3 m) LINE WITH 30' (9 m) SPACE |
| 5 (125) ON FREEWAYS | 5 (125) | SOLID | WHITE | |
| DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS) | SAME AS LINE BEING EXTENDED | SOLID | SAME AS LINE BEING EXTENDED | 2' (600) LINE WITH 6' (1.8 m) SPACE |
| EDGE LINES | 4 (100) | SOLID | YELLOW-LEFT WHITE-RIGHT | OUTLINE MEDIAN 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 | SKIP-DASH AND SOLID IN PAIRS | YELLOW | 10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO WAY LEFT TURN MARKING DETAIL |
| 8' (2.4m) LEFT ARROW | 8' (2.4m) | WHITE | | |
| CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) | 2 @ 6 (150) | SOLID | WHITE | NOT LESS THAN 6' (1.8 m) APART |
| B. LONGITUDINAL BARS (SCHOOL) | 12 (300) @ 45° | SOLID | WHITE | 2' (600) APART |
| 12 (300) @ 90° | 12 (300) | SOLID | WHITE | 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 MEDIAN | 2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° | 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 m) EACH *X*=54.0 SQ. FT. (5.0 m) EACH |
| 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 |

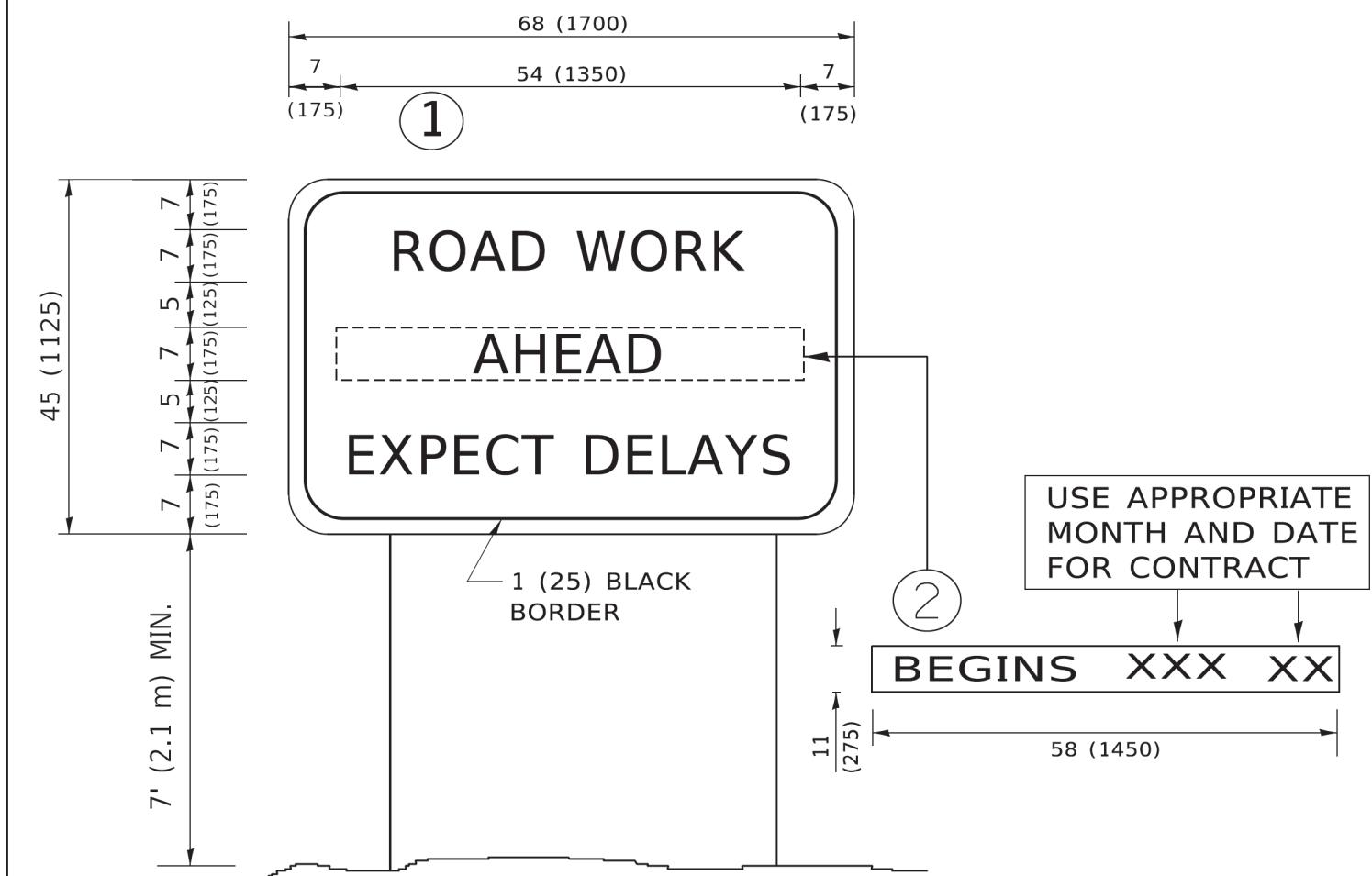
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

| | | | |
|-----------------------------|------------------|------------------------------|---|
| USER NAME = footemj | DESIGNED - EVERs | REVISED - C. JUCIUS 09-09-09 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION |
| DRAWN - | | REVISED - C. JUCIUS 07-01-13 | |
| PLOT SCALE = 50,000 ' / in. | CHECKED - | REVISED - C. JUCIUS 12-21-15 | |
| PLOT DATE = 3/4/2019 | DATE - 03-19-90 | REVISED - C. JUCIUS 04-12-16 | |

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------|--------------------|----------|----------------------------|-----------|
| 0203 | 22-00016-00-RS | MCHENRY | 21 | 20 |
| TC-13 | CONTRACT NO. 61M23 | ILLINOIS | FED. AID PROJECT N86V(322) | |



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.

| | | | | | | | | | |
|-----------------------------|------------|---------------------------------|---|---|----------------------|--------------------|---------|--------------|----------------------------|
| USER NAME = footermj | DESIGNED - | REVISED - R. MIRS 09-15-97 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | ARTERIAL ROAD INFORMATION SIGN | F.A. RTE. 0203 | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | DRAWN - | REVISED - R. MIRS 12-11-97 | | | 0203 | 22-00016-00-RS | MCHENRY | 21 | 21 |
| PLOT SCALE = 50,000 ' / in. | CHECKED - | REVISED - T. RAMMACHER 02-02-99 | | | TC-22 | CONTRACT NO. 61M23 | | | |
| PLOT DATE = 3/4/2019 | DATE - | REVISED - C. JUCIUS 01-31-07 | | | SCALE: NONE | 1 OF 1 SHEETS STA. | TO STA. | ILLINOIS | FED. AID PROJECT N86V(322) |