

03-09-2018 LETTING ITEM 070

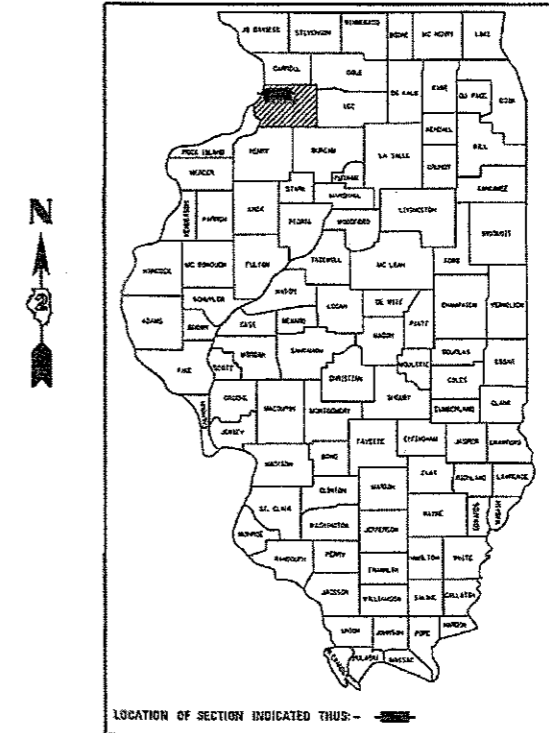
FOR INDEX OF SHEETS & STATE STANDARDS
SEE SHEET NO. 2

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**
FAS 196 (GARDEN PLAIN RD.)
SECTION D2 RS 2018-3
WHITESIDE COUNTY
C-92-011-18

| FAS RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|----------|--------------|-----------|--------------|-----------|
| 196 | D2 RS 2018-3 | WHITESIDE | 31 | 1 |

CONTRACT NO. 64M59
D-92-004-18

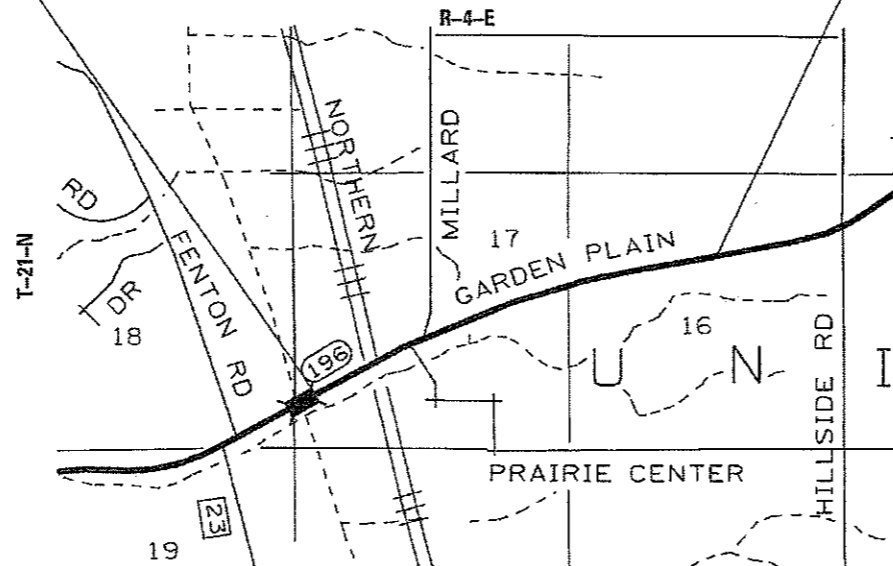


PROJECT ENGINEER: SCOTT KULLERSTRAND

SQUAD LEADER: LANCE NICKLAUS 815-284-5407

PROJECT BEGINS
STA. 288 + 96

PROJECT ENDS
STA. 366 + 21



TOWNSHIP (SECTION):
UNION GROVE (10, 11, 12, 14, 15, 16)

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

GROSS LENGTH OF PROJECT = 7725 FT = 1.46 MILES
NET LENGTH OF PROJECT = 7725 FT = 1.46 MILES

CONTRACT NO. 64M59

FAS 196 (GARDEN PLAIN RD.)

SECTION: D2 RS 2018-3

WHITESIDE COUNTY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Dec 07, 2017
Kevin Touchek
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Feb 2, 2018
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

Feb 2, 2018
[Signature]
DIRECTOR OF PROGRAM DEVELOPMENT ²

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX

| | |
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| 25-28 | Work Zone Sign Details (34.1) |
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FAS 196 (GARDEN PLAIN ROAD)
SECTION D2 RS 2018-3
WHITESIDE COUNTY
CONTRACT NO. 64M59
Sheet 2 of 31

STATE STANDARDS

| | |
|-----------|---|
| 701001-02 | OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5M) AWAY |
| 701006-05 | OFF-ROAD OPERATIONS, 2L, 2W, 15'(4.5M) TO 24"(600M) FROM PAVEMENT EDGE |
| 701011-04 | OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY |
| 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 |
| 701901-07 | TRAFFIC CONTROL DEVICES |
| 720011-01 | METAL POST FOR SIGNS, MARKERS AND DELINEATORS |
| 728001-01 | TELESCOPING STEEL SIGN SUPPORT |
| 729001-01 | APPLICATIONS OF TYPES A AND B METAL POST (FOR SIGNS & MARKERS) |
| 780001-05 | TYPICAL PAVEMENT MARKINGS |
| 781001-04 | TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS |

SUMMARY OF QUANTITIES

FAS 196 (Garden Plain Road)
SECTION D2 RS 2018-3
Whiteside County
CONTRACT #64M59
SHEET 3 OF 31

100% State
0005

| CODE NO. | ITEM | UNIT | CONT. MAIN. |
|-----------------|---|-------------|--------------------|
| 40600290 | BITUMINOUS MATERIALS (TACK COAT) | POUND | 9835 |
| 40600982 | HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT | SQ YD | 591 |
| 40603310 | HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 | TON | 2,415 |
| 40800050 | INCIDENTAL HOT-MIX ASPHALT SURFACING | TON | 114 |
| 48102100 | AGGREGATE WEDGE SHOULDERS, TYPE B | TON | 652 |
| 67100100 | MOBILIZATION | L SUM | 1 |
| 70100460 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701306 | L SUM | 1 |
| 70300100 | SHORT TERM PAVEMENT MARKING | FOOT | 2318 |

7

SUMMARY OF QUANTITIES

FAS 196 (Garden Plain Road)
SECTION D2 RS 2018-3
Whiteside County
CONTRACT #64M59
SHEET 4 OF 31

100% State
0005

| CODE NO. | ITEM | UNIT | CONT. MAIN. |
|------------|--|--------|-------------|
| 70300150 | SHORT TERM PAVEMENT MARKING REMOVAL | SQ FT | 258 |
| * 78001100 | PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS | SQ FT | 244.8 |
| * 78001110 | PAINT PAVEMENT MARKING- LINE 4 INCH | FOOT | 52434 |
| * 78001180 | PAINT PAVEMENT MARKING - LINE 24 INCH | FOOT | 144 |
| * 78100100 | RAISED REFLECTIVE PAVEMENT MARKER | EACH | 97 |
| 78300200 | RAISED REFLECTIVE PAVEMENT MARKER REMOVAL | EACH | 66 |
| X420000 1 | CIR - FDR EMULSIFIED ASPHALT | GALLON | 35830 |
| X420000 2 | COLD IN-PLACE RECYCLING 4.0 INCH | SQ YD | 20474 |
| Z0048665 | RAILROAD PROTECTIVE LIABILITY INSURANCE | L SUM | 1 |
| | | | |
| | | | |

9 Specialty Items

GENERAL NOTES

The final top 4 inches of soil in any right-of-way area disturbed by the Contractor must be capable of supporting vegetation. The soil must be from the A horizon (zero to 2' deep) of soil profiles of local soils. The cost of this work shall be included in the unit prices bid and no additional compensation will be allowed.

All Borrow/Waste/Use sites must be approved by the Department prior to removing any material from the project or initiating any earthmoving activities, including temporary stockpiling outside the limits of construction.

The Contractor shall seed all disturbed areas within the project limits. Seeding Class 4 or 2A shall be used, except in front of properties where the grass will be mowed, then use Seeding, Class 1A. Class 2A shall be used on front slopes and ditch bottoms. Class 4 shall be used behind Type A gutter, on all back slopes and areas behind the backslope, and beyond the toe of front slope on fill sections without ditches. This work will be included in the contract unit price per TON for AGGREGATE WEDGE SHOULDERS, TYPE B.

Fertilizer shall be applied to all disturbed areas and incorporated into the seeded prior to seeding or placement of sod at the rate specified in Sections 250 and 252 of the Standard Specifications. This work shall be included in the cost of AGGREGATE WEDGE SHOULDERS, TYPE B.

Mulch Method II shall be applied over all seeded areas. This shall be included in the cost of the AGGREGATE WEDGE SHOULDERS, TYPE B.

The existing hot-mix asphalt on private and commercial entrances shall be bladed off or milled and disposed of outside the project limits. This could be the entire entrance or tapered at the end depending on if the mainline is resurfaced or milled and resurfaced. The cost of the blading, milling, rolling, and disposal is included in the contract unit price for INCIDENTAL HOT-MIX ASPHALT SURFACING.

The drop off that occurs at entrance edges as a result of resurfacing of the entrance shall be corrected using aggregate shoulder material. This work shall be paid for by the TON for Aggregate Shoulders of the type specified in the plans.

The following Mixture Requirements are applicable for this project:

| | | | |
|---|-----------------|--|--|
| Mixture Uses(s): | SURFACE | | |
| PG: | PG 64-22 | | |
| Design Air Voids | 4.0 @ N50 | | |
| Mixture Composition (Gradation Mixture) | IL 9.5 | | |
| Friction Aggregate | C | | |
| 20 Year ESAL | 0.3 | | |
| Quality Management Program to be Used | QCP - Mix Only | | |
| | QC/QA - Density | | |
| Sublot Tonnage | 1.0 | | |

The Contractor will be required to furnish 5 1/2" high brass stencils as approved by the Engineer and install stationing at 250' intervals. Stationing shall be placed on both lanes of 2-lane highways and on the outside lanes in both directions on 4-lane highways. The stations shall be placed 6" inside the pavement marking edge so they can be read from the shoulder. This work will be included in the cost of the final pavement surface.

FAS 196 Garden Plain Road
Section D2 RS 2018-3
Whiteside County
Contract #64M59

The area to be tacked or primed shall be limited to that which can be covered with HMA on the next day's production, but no more than five days in advance of the placement of the HMA, unless approved by the Engineer.

If, during the grinding or resurfacing operations, the existing mailboxes become a hindrance, the Contractor shall be required to carefully remove and reinstall the mailboxes as directed by the Engineer. This work shall be included in the contract unit price for the INCIDENTAL HOT-MIX ASPHALT SURFACING.

Pavement Marking shall be done according to Standard 780001, except as follows:

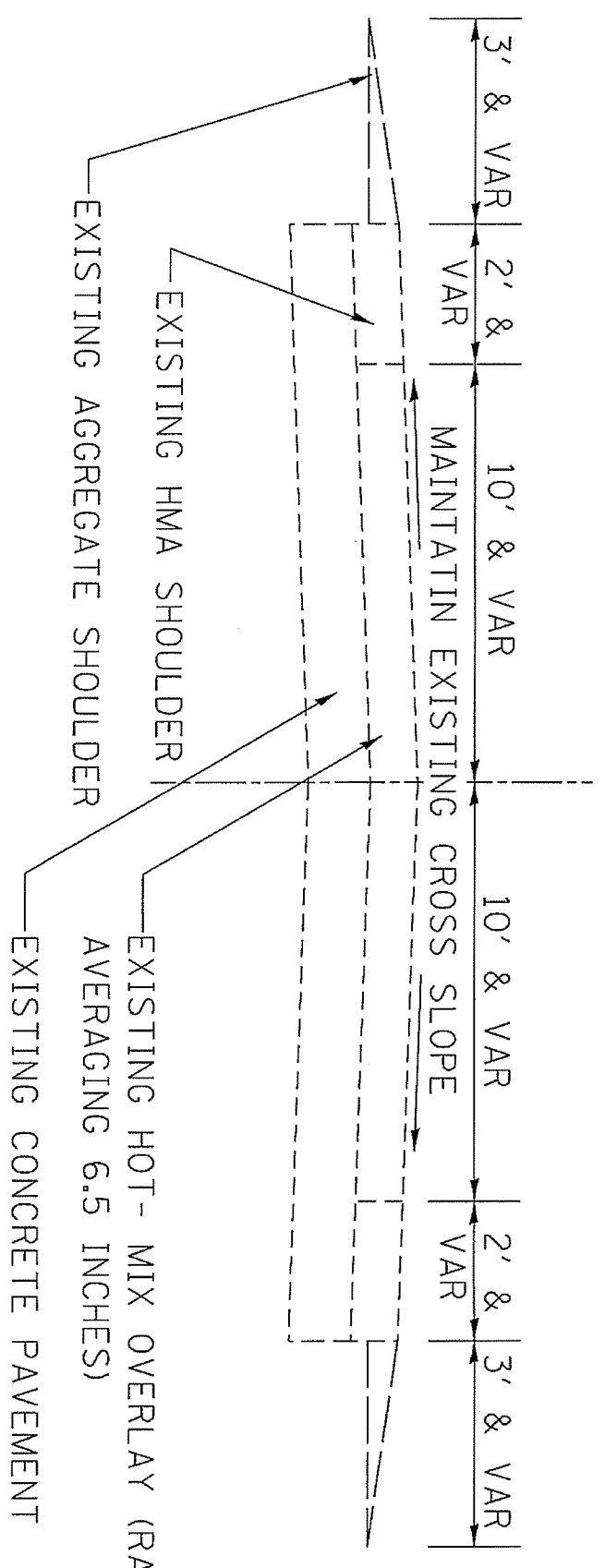
1. All words, such as ONLY, shall be 8 feet high.
2. All non-freeway arrows shall be the large size.
3. The distance between yellow no-passing lines shall be 8 inches, not 7 inches, as shown in the detail of Typical Lane and Edge Lines.
4. Centerline Skip Dash Pavement Marking on multi-lane divided, multi-lane undivided, and one-way roadway shall be according to District Standard 41.1.

The Contractor shall be responsible for locating and protecting utility property during construction operations as outlined in Article 107.39 of the Standard Specifications. A minimum of 48 hours advance notice is required for non-emergency work. The JULE number is 800-892-0123. The following listed utilities located within the project limits or immediately adjacent to the project construction limits are members of JULE:

(Type name & phone number of JULE companies from attached utility form.)

IDOT is not a member of JULE. If you are near any overhead lighting, intersection lighting or traffic signals, contact the IDOT Traffic Office at 815/284-5469 at least 48 hours prior to work.

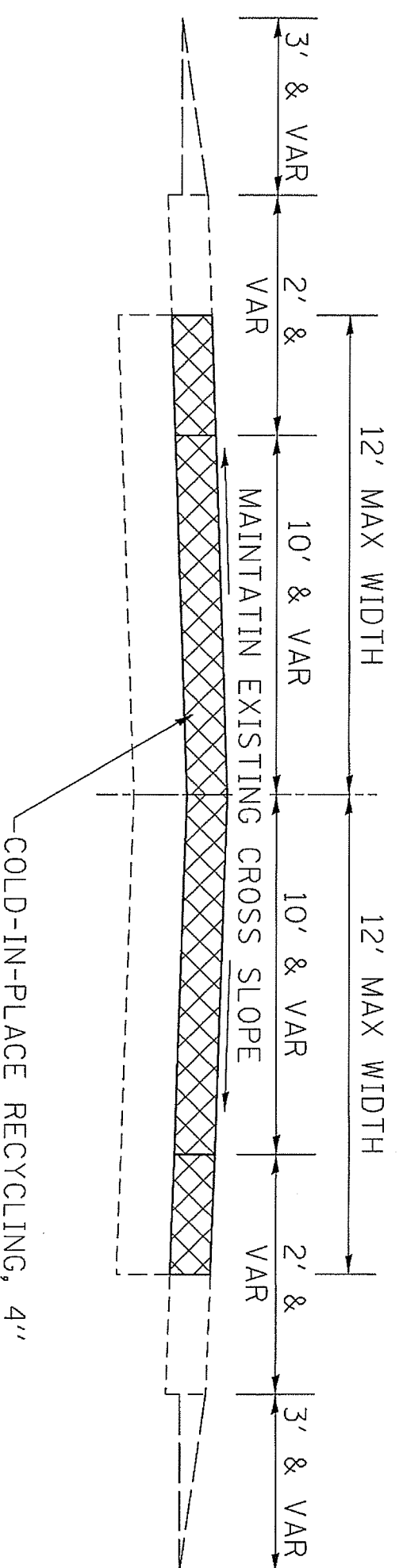
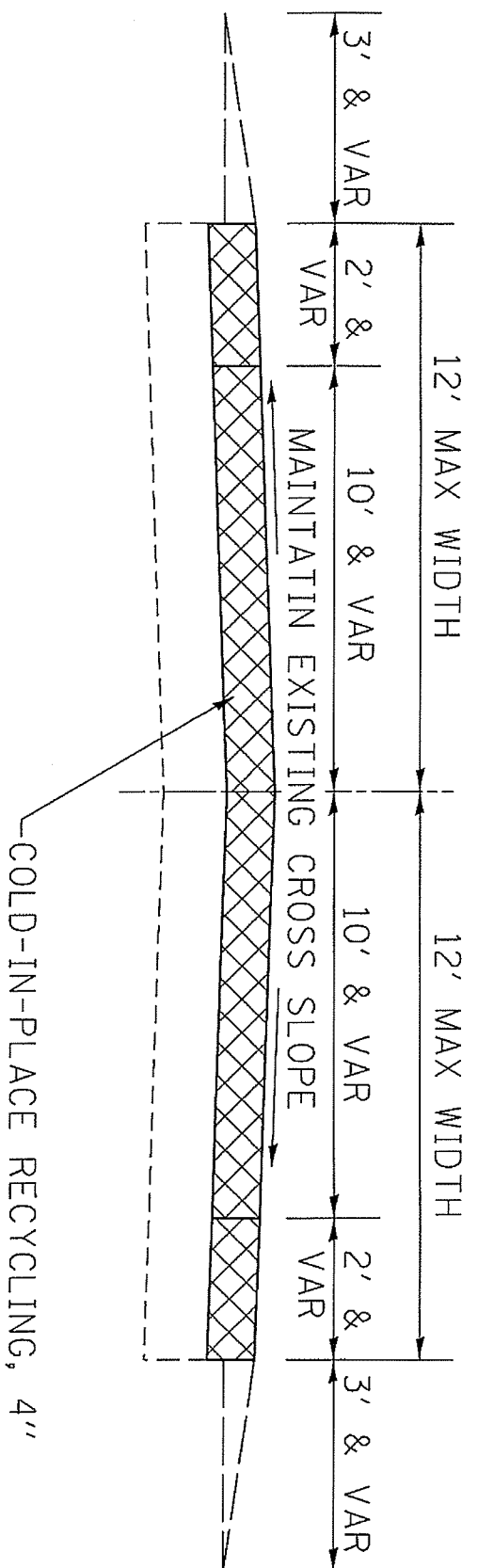
TYPICAL SECTION
 GARDEN PLAIN ROAD
 STA. 288+96 - 366+21



| | | | | | | | |
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| FAS RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | CONTRACT NO. 64M59 | | |
| 196 | D2 RS 2018-3 | WHITESIDE | 31 | 7 | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | | | | |

NOTE :
 STA. 364+48 - 365+61
 SHALL NOT HAVE COLD
 IN PLACE RECYCLING
 PERFORMED

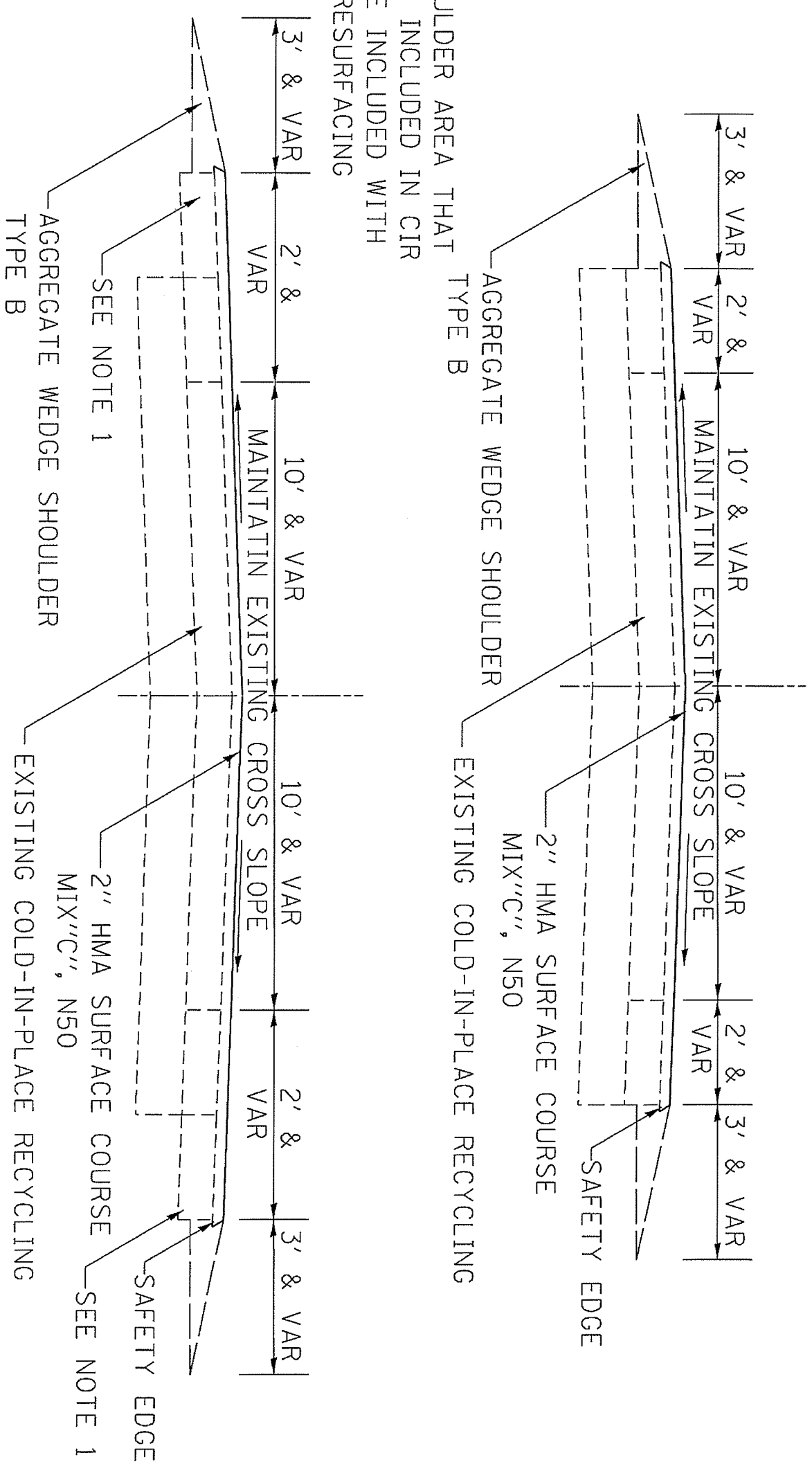
TYPICAL SECTION
 GARDEN PLAIN ROAD
 STA. 288+96 - 364+48



| | | | | | | | | |
|--|-----------------------|------------------------------|------------------|---------------------|--------------|------------------|--------------------|-------|
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| | | | | FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | CONTRACT NO. 64M59 | |

NOTE :
 STA. 364+48 - 365+61
 SHALL BE RESURFACED
 ONLY

TYPICAL SECTION
 GARDEN PLAIN ROAD
 STA. 288+96 - 366+21



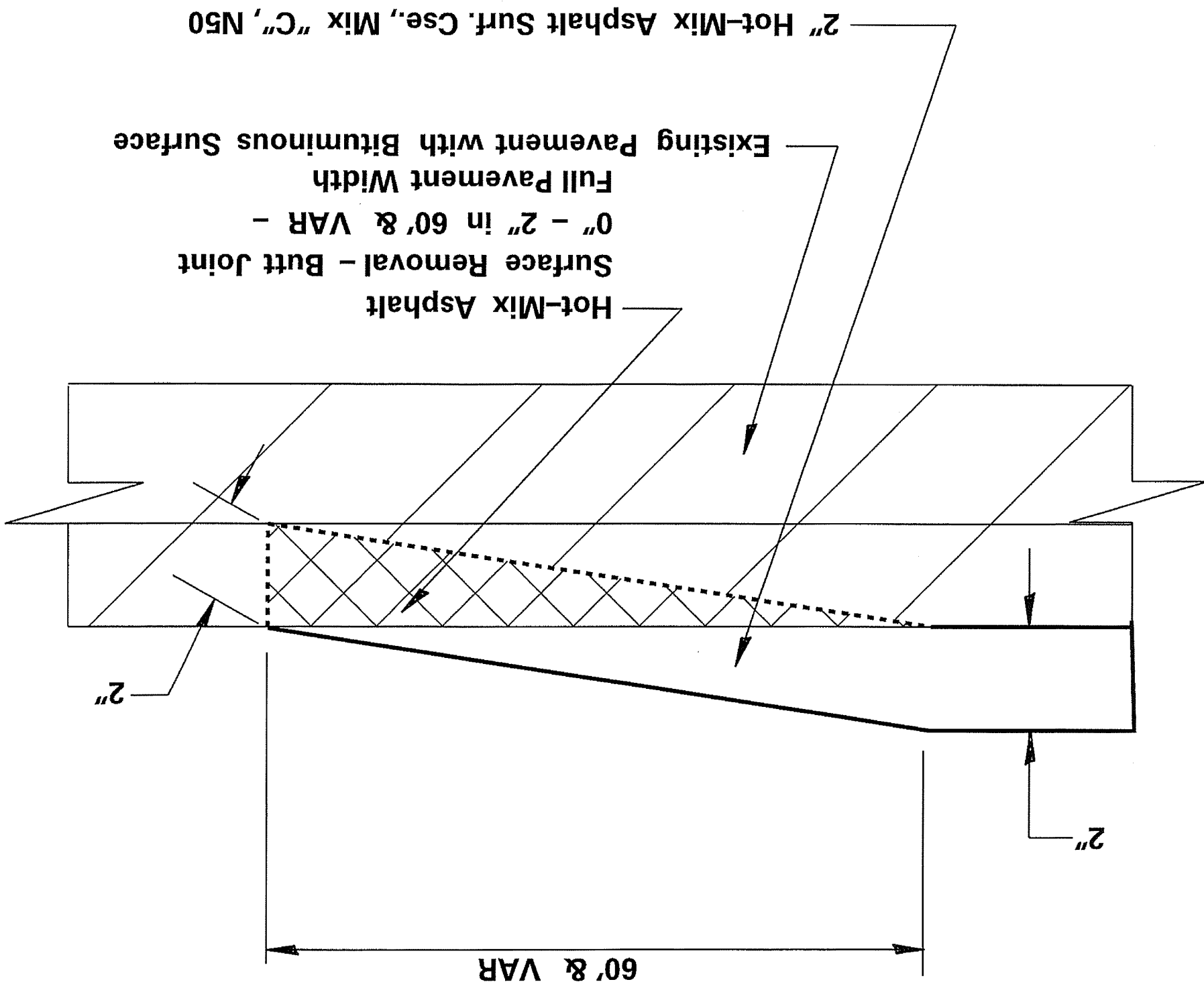
NOTE 1:
 THE SHOULDER AREA THAT
 WAS NOT INCLUDED IN CIR
 SHALL BE INCLUDED WITH
 THE 2'' RESURFACING

| | | | |
|--|-------------------------|-------------------------------------|-----------------------------|
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| STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | | TYPICAL SECTIONS | |
| FAS RTE. 196 | SECTION D2 RS 2018-3 | COUNTY WHITESIDE | TOTAL SHEET SHEETS 31 |
| FED. ROAD DIST. NO. | | ILLINOIS | FED. AID PROJECT |
| | | CONTRACT NO. | 64M59 |

FAS 196 (GARDEN PLAIN ROAD)
 SECTION D2 RS 2018-3
 WHITESIDE COUNTY
 SHEET 10 of 31
 CONTRACT NUMBER: 64M59

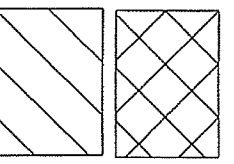
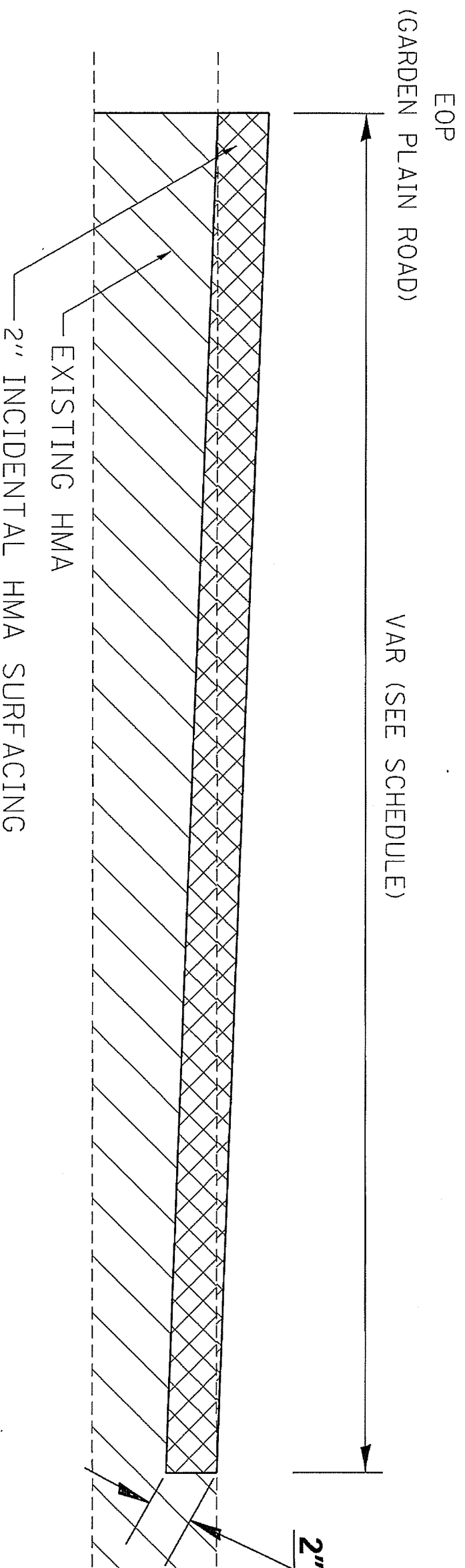
TYPICAL SECTIONS HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

SEE SCHEDULE FOR LOCATIONS



HOT-MIX ASPHALT APPLICATION RATES:
 All Hot-Mix Asphalt Mixtures: 112 lbs/sq. yd/inch

TYPICAL SECTION ENTRANCES & SIDEROADS



INCIDENTAL HMA SURFACING 112 LBS/ SQ YD/ IN

| | | | | | |
|----------------------------------|----------------------------------|----------------------------------|-------------------------------------|--------------------------|--------------------------|
| FILE NAME: 1 | DESIGNED: - | REVISED: - | STATE OF ILLINOIS | SCALE: | TOTAL SHEETS: |
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| 001\Welded\18 Iron\Dev\Garden Pl | 001\Welded\18 Iron\Dev\Garden Pl | 001\Welded\18 Iron\Dev\Garden Pl | | 196 | 02 RS 2018-3 |
| | | | | | WHITESTONE |
| | | | | | CONTRACT NO. 64M59 |
| | | | | | ILLINOIS TOL AND PROJECT |

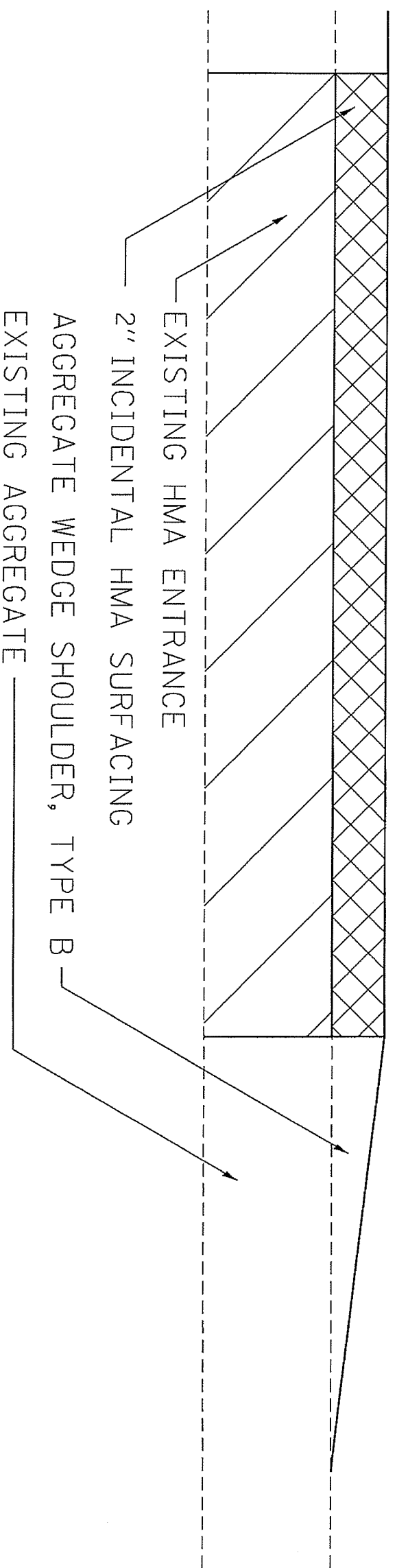
TYPICAL SECTION ENTRANCES

SEE SCHEDULE FOR LOCATIONS

EOP
(GARDEN PLAIN ROAD)

VAR

5'



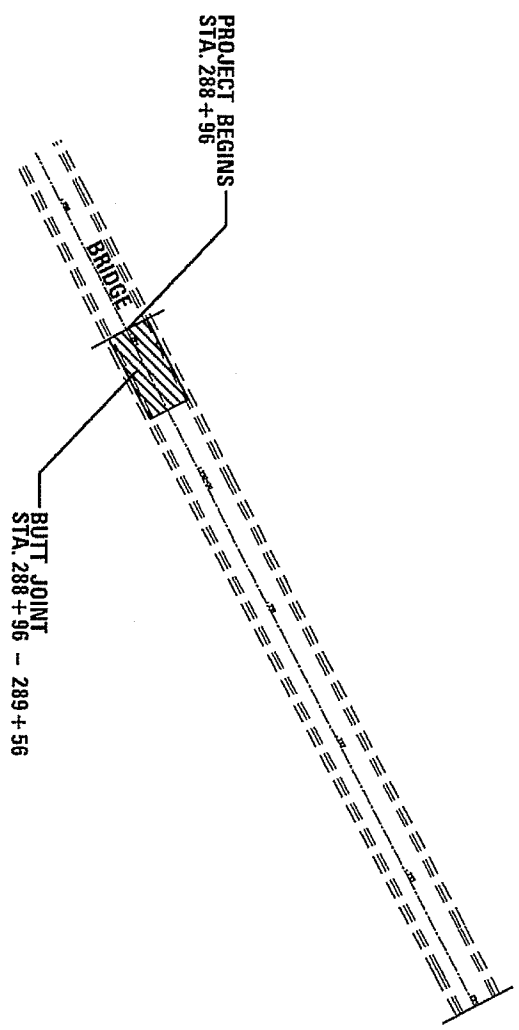
INCIDENTAL HMA SURFACING

EXISTING

INCIDENTAL HMA SURFACING 112 LBS / SQ YD / IN

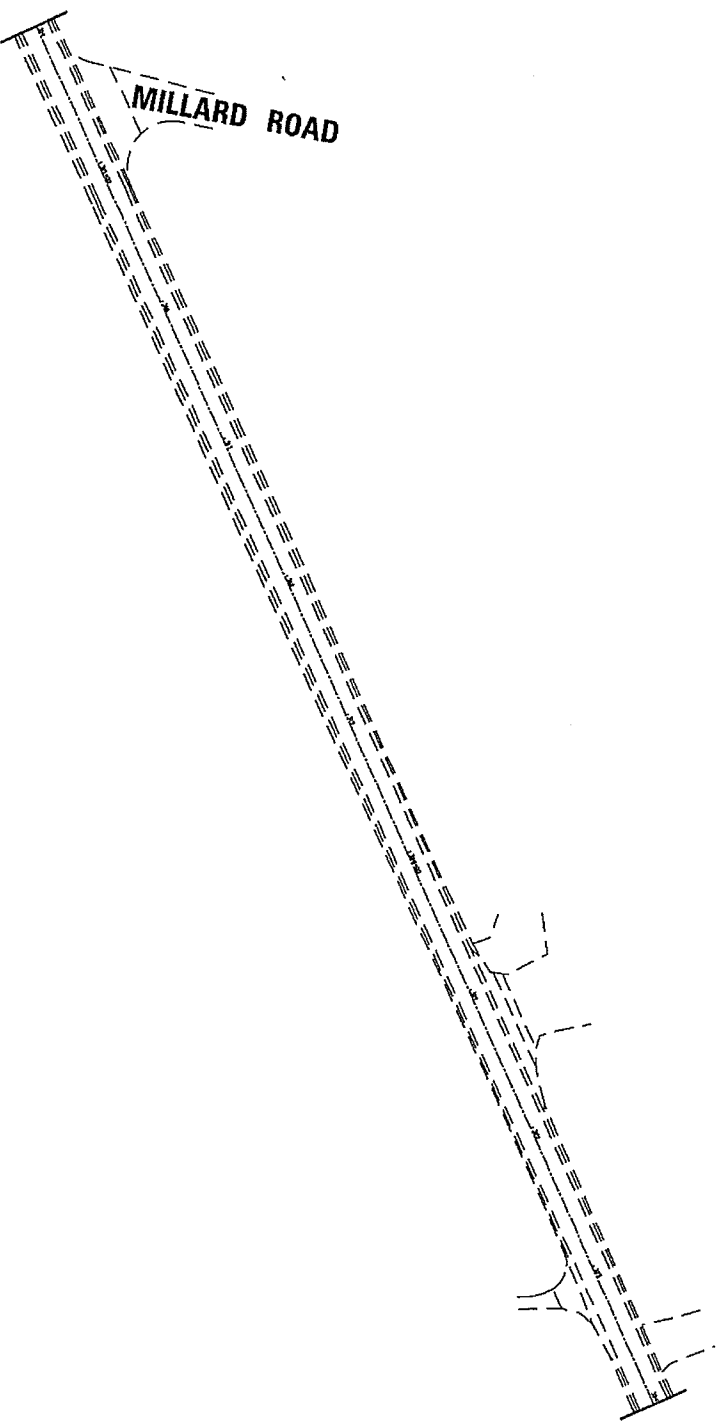
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| PLOT DATE: 06-28-2017 10:48:48 AM | CHECKED - DATE - | REVISED - REVISED - | | | | 156 | 02 RS 2018-3 | WHITESIDE | 31 12 |
| | | | | | | | | | ILLINOIS TCO, AID PROJECT CONTRACT NO. 64M59 |

PLAN SHEET



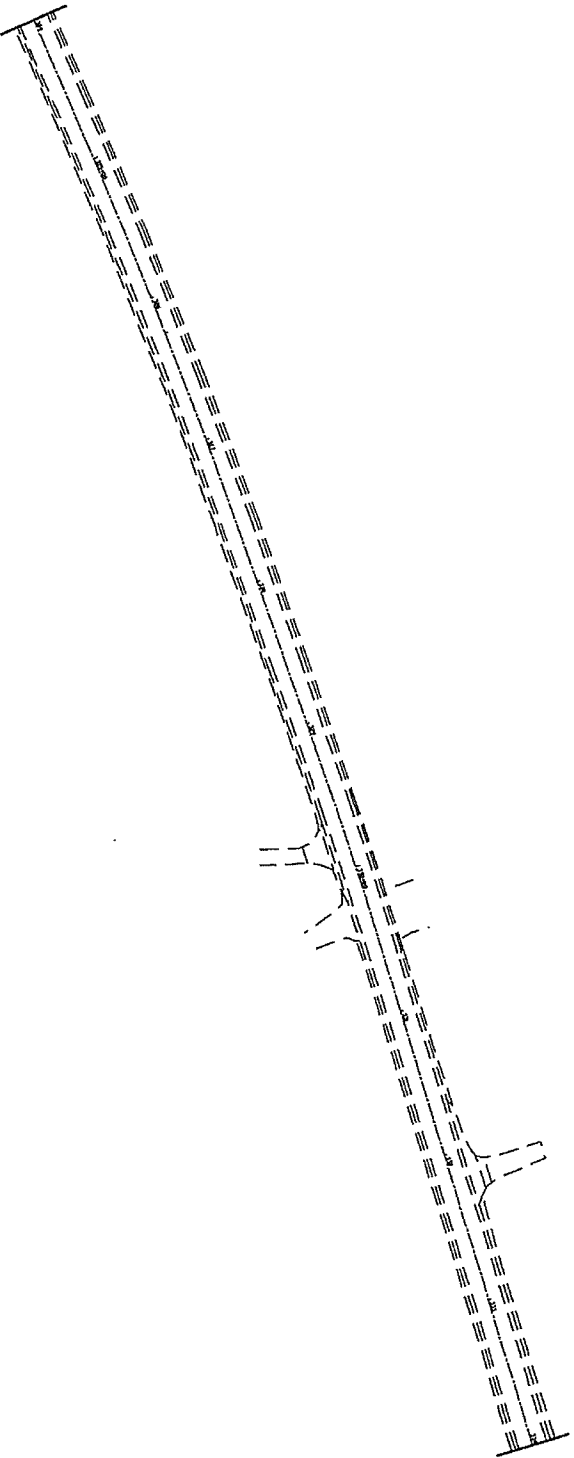
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|---|-----------------------------------|---------------------|----------------------|---|-------|--------------------------|---------|--------------------|--------------------------|-----------|--------------------|
| FILE NAME : D:\Projects\16 I-55\Drawings | USER NAME : m\cd\bram\cd\bram | DESIGNED - ORANI | REVISED - REVISED | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | SCALE | SHEET NO. OF SHEETS STA. | TO STA. | FAS RTE. | SECTION | COUNTY | TOTAL SHEET NO. |
| 16 I-55\Drawings | 16 I-55\Drawings | ORANI | REVISED | | | | | 195 | 02 MRS 2018-3 | WHITESIDE | 31 |
| PLT SCALE : 1/8" = 1'-0" | PLT DATE : 12/06/2017 09:23:38 AM | DATE | REVISED | | | | | CONTRACT NO. 64MS9 | ILLINOIS TFS AND PROJECT | | |

PLAN SHEET



| | | | | | | | | | | | | | |
|---|------------------------------------|-----------------|------------------|---|--|--------------|--|----------------------------------|--|--------------------|--------------------------|-----------------------|--------------------------|
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| PLOT SCALE : 1/8" = 1'-0" | PLOT DATE : 04-06-2017 10:00:07 AM | DRAWN : - | REVISIONS : - | | | | | | | | | CONTRACT NO. 64459 | 16 |

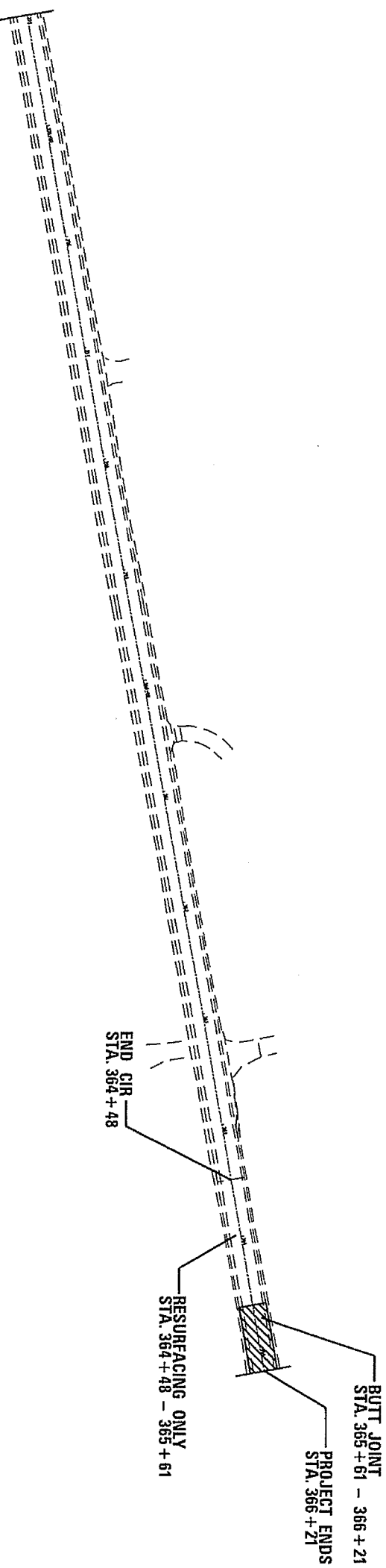
PLAN SHEET



| | | | | | | | | | | | | | | | |
|------------------|---|------------|-----------|---|--------|--------------------------|---------|-------------|---------|--------|---------------------------|-----|---------------|-----------|----|
| FILE NAME : | USER NAME : | DESIGNED : | REVISED : | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | SCALE: | SHEET NO. OF SHEETS STA. | TO STA. | FAS RTE. | SECTION | COUNTY | TOTAL SHEET SHEETS NO. | | | | |
| DVA\Michael\1718 | PHONZANO, Paoonapaoon\17182012-09-10-10-10-10 | DRAMA | REVISED | | | | | | | | | 196 | 02 MRS 2018-3 | WHITESIDE | 31 |
| | PLAT SCALE : 1/8"=1'-0" | CHECKED | REVISED | | | | | | | | | | | | 11 |
| | PLAT DATE : 09-08-2017 | DATE | REVISED | | | | | | | | | | | | |

ILLINOIS DEPT. OF TRANSPORTATION
CONTRACT NO. 64A593

PLAN SHEET



| | | | | | | | | | |
|--|---------------------|------------|---|--------|---------------------|--------------|-------------|--------------------|-------------|
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| DATE: 12/15/18 | CHECKED - | REVISION - | | | | | 02 MAR 2018 | WHITESIDE | 31 |
| DATE: 12/15/18 | DATE | REVISION - | | | | | | CONTRACT NO. 6A453 | 20 |

SCHEDULE OF QUANTITIES

| | | | |
|---------------|---------------------|---|--------------|
| | | 40600290 BITUMINOUS MATERIALS (TACK COAT) | |
| | | LOCATION | |
| | | STA. 288+96 - 366+21 | TOTAL |
| | | <u>9,835</u> | 9,835 |
| | | POUND | |
| | | | |
| | | LOCATION | |
| | | STA. 288+69 - 289+56 Prairie Center Road Millard Road STA. 365+61 - 366+21 | TOTAL |
| | | RT LT | 591 |
| | | <u>159</u> 93 150 189 | 591 |
| | | SQ YD | |
| | | | |
| | | LOCATION | |
| | | STA. 288+96 - 366+21 | TOTAL |
| | | <u>2,345</u> 70 | 2,415 |
| | | TON | |
| | | | |
| | | LOCATION | |
| | | STA. 302+45 STA. 311+73 STA. 314+70 STA. 321+25 STA. 323+08 STA. 329+81 STA. 332+17 STA. 360+50 STA. 363+38 | TOTAL |
| | | RT RT LT LT RT RT LT LT LT LT | 114 |
| | | <u>42</u> 12 19 10 5 5 5 2 14 | 114 |
| | | TON | |
| LENGTH | REMARKS | | |
| 35 | With AGG Wedge | | |
| 25 | Prairie Center Road | | |
| 25 | Millard Road | | |
| 10 | With AGG Wedge | | |
| 20 | With AGG Wedge | | |
| 20 | With AGG Wedge | | |
| 10 | With AGG Wedge | | |
| 10 | With AGG Wedge | | |
| 35 | With AGG Wedge | | |

SCHEDULE OF QUANTITIES

| | | | | | | |
|---|--|--------------------------|-------|-------|----|--------|
| 48102100 AGGREGATE WEDGE SHOULDERS, TYPE B | | LOCATION | TON | 639 | 13 | 652 |
| | | ENTRANCE WEDGES | LT&RT | | | |
| | | STA. 288+96 - 366+21 | | | | |
| | | TOTAL | | | | 652 |
| 70300100 SHORT TERM PAVEMENT MARKING | | LOCATION | | | | |
| | | FOOT | | 2,318 | | 2,318 |
| | | STA. 288+96 - 366+21 | | | | |
| | | TOTAL | | | | 2,318 |
| 70300150 SHORT TERM PAVEMENT MARKING REMOVAL | | LOCATION | | | | |
| | | SQ FT | | 258 | | 258 |
| | | STA. 288+96 - 366+21 | | | | |
| | | TOTAL | | | | 258 |
| 78001100 PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS | | LOCATION | | | | |
| | | 2 Applications | RT | 122.4 | | |
| | | STA. 296+36 | | | | |
| | | 2 Applications | LT | 122.4 | | |
| | | STA. 310+56 | | | | |
| | | TOTAL | | | | 244.8 |
| 78001110 PAINT PAVEMENT MARKING - LINE 4 INCH | | LOCATION | | | | |
| | | 2 Applications | | 305 | | |
| | | STA. 288+96 - 295+05 | | | | |
| | | 2 Applications | | 990 | | |
| | | STA. 295+05 - 299+00 | | | | |
| | | 2 Applications | | 6,380 | | |
| | | STA. 299+00 - 314+95 | | | | |
| | | 2 Applications | | 1,290 | | |
| | | STA. 314+95 - 320+10 | | | | |
| | | 2 Applications | | 665 | | |
| | | STA. 320+10 - 333+36 | | | | |
| | | 2 Applications | | 2,076 | | |
| | | STA. 333+36 - 341+64 | | | | |
| | | 2 Applications | | 9,828 | | |
| | | STA. 341+64 - 366+21 | | | | |
| | | TOTAL (YELLOW) | | | | 21,534 |
| | | FOOT | | | | |
| | | REMARKS | | | | |
| | | SKIP DASH | | | | |
| | | SOLID RT / SKIP LT | | | | |
| | | DOUBLE YELLOW | | | | |
| | | SOLID RT / SOLID LT | | | | |
| | | SKIP RT / SOLID LT | | | | |
| | | DOUBLE YELLOW | | | | |
| | | SOLID RT / SKIP LT | | | | |
| | | EDGE LINE LT & RT | | | | |
| | | FOOT | | | | |
| | | REMARKS | | | | |
| | | TOTAL (WHITE) | | | | 30,900 |
| | | STA. 288+96 - 366+21 | | | | |
| | | TOTAL (YELLOW AND WHITE) | | | | 52,434 |

SCHEDULE OF QUANTITIES

| | | | |
|--|------------------|-------------|--|
| 78001180 PAINT PAVEMENT MARKING - LINE 24 INCH | | | |
| LOCATION | FOOT | REMARKS | |
| 2 Applications | | | |
| STA. 296+13 | 24 | RR BAR | |
| STA. 296+65 | 24 | RR BAR | |
| STA. 303+82 | 24 | RR BAR | |
| STA. 304+24 | 24 | RR BAR | |
| STA. 310+33 | 24 | RR BAR | |
| STA. 310+82 | 24 | RR BAR | |
| TOTAL | 144 | | |
| 78100100 RAISED REFLECTIVE PAVEMENT MARKER | | | |
| LOCATION | EACH | REMARKS | |
| STA. 288+96 - 366+21 | 97 | 2 WAY AMBER | |
| TOTAL | 97 | | |
| 78300200 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL | | | |
| LOCATION | EACH | REMARKS | |
| STA. 288+96 - 366+21 | 66 | | |
| TOTAL | 66 | | |
| X9900006 CIR - FDR EMULSIFIED ASPHALT | | | |
| LOCATION | GALLON | | |
| STA. 288+96 - 364+48 | 35,830.00 | | |
| TOTAL | 35,830.00 | | |
| X9900013 COLD IN - PLACE RECYCLING 4.0 INCH | | | |
| LOCATION | SQ YD | | |
| STA. 288+96 - 364+48 | 20,474 | | |
| TOTAL | 20,474 | | |

PLAT DATE = Dec-06-2017 10:46:28 AM

| |
|--------------------|
| REVISED - 1-05-16 |
| REVISED - 10-11-13 |
| REVISED - |
| REVISED - |

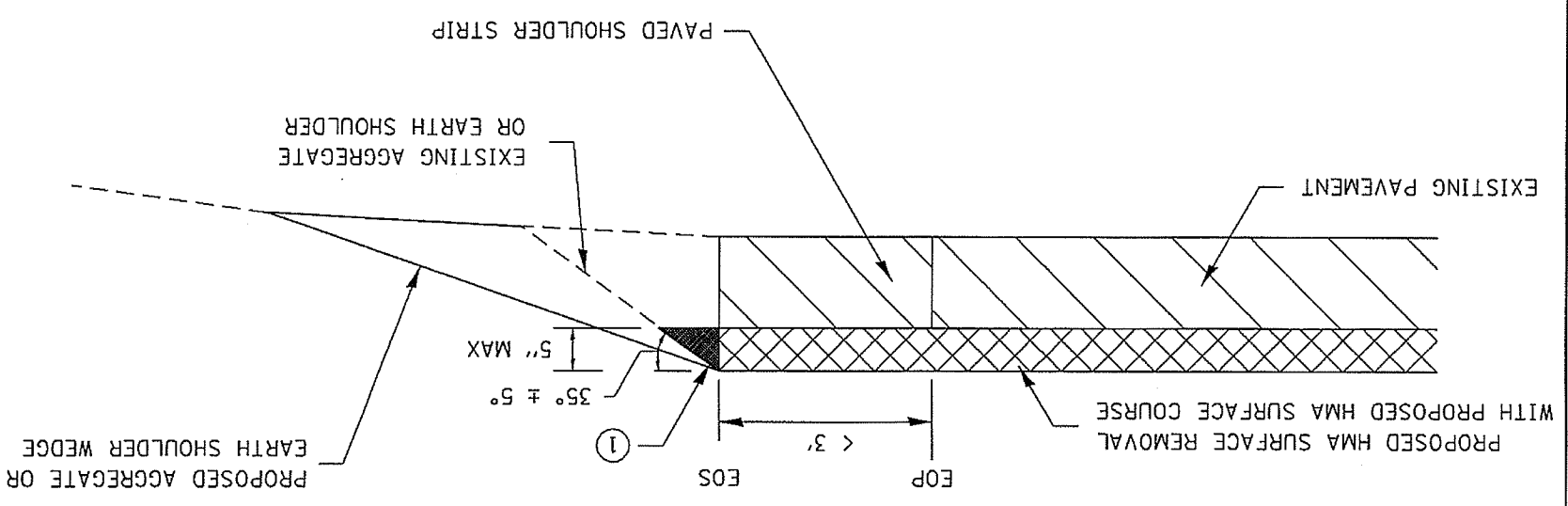
| | | | |
|---------------------------------------|---------------|-----------|--------------|
| SCALE: 1/4" = 1'-0" | SHEET NO. 14 | OF SHEETS | STA. TO STA. |
| REGION 2 / DISTRICT 2 STANDARD | | | |
| F.A.S. RTE. NO. | SECTION | COUNTY | TOTAL SHEETS |
| 196 | D2 MRS 2018-3 | WHITESIDE | 31 |
| CONTRACT NO. 64M59 | | | 24 |

SAFETY EDGE (SMART PROJECTS) 48.2

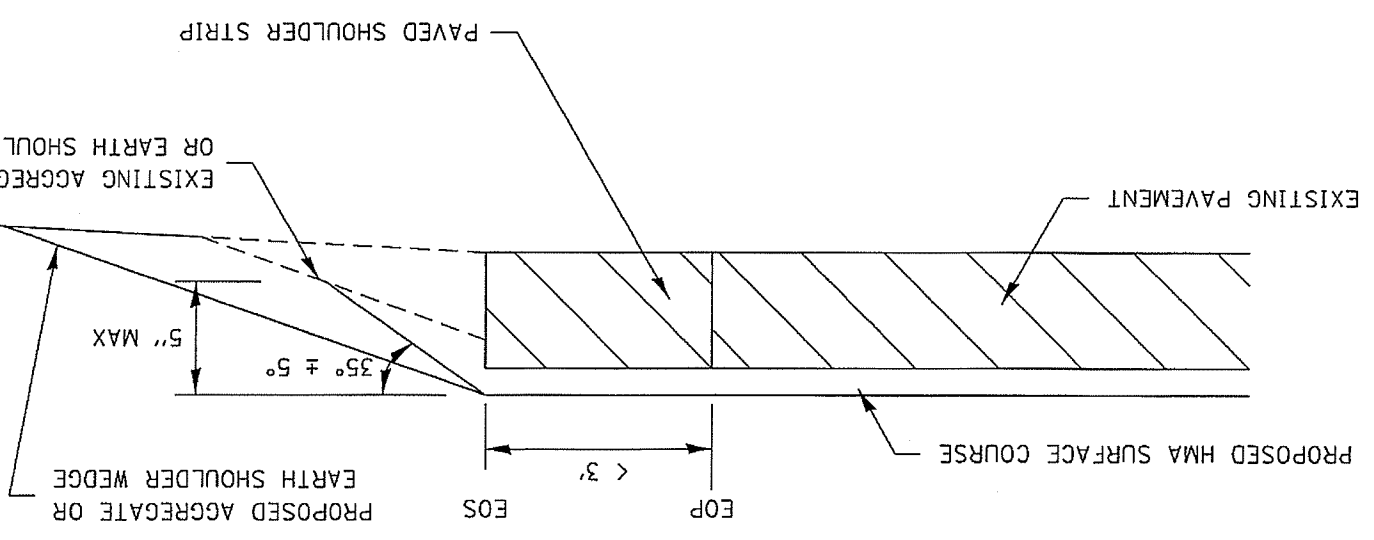
NOTES : THE DEVICE WHICH FORMS THE SAFETY EDGE SHALL BE MOUNTED ON THE PAVER SCREED AGAINST THE END GATE AND SHALL BE REMOVABLE OR BE ABLE TO BE LIFTED WHEN NOT IN USE. THE DEVICE SHALL BE DESIGNED TO MAINTAIN CONTACT WITH SURFACE OF THE SHOULDER AND ALLOW AUTOMATIC TRANSITION TO CROSS ROADS, DRIVEWAYS AND OBSTRUCTIONS. THE DEVICE SHALL ALSO CONSTRAIN THE HMA MATERIAL AND INCREASE THE CONSOLIDATION OF THE EXTRUDED PROFILE. THE USE OF A CONVENTIONAL SINGLE PLATE STRIKE-OFF WILL NOT BE ALLOWED.

ROLLERS WILL NOT BE ALLOWED ON THE SLOPED FACE OF THE SAFETY EDGE.

MILLING: WITH ADJACENT SHOULDER FLUSH WITH OR HIGHER THAN MILLED SURFACE



NO MILLING: ADJACENT SHOULDER FLUSH WITH OR LOWER THAN EXISTING PAVEMENT

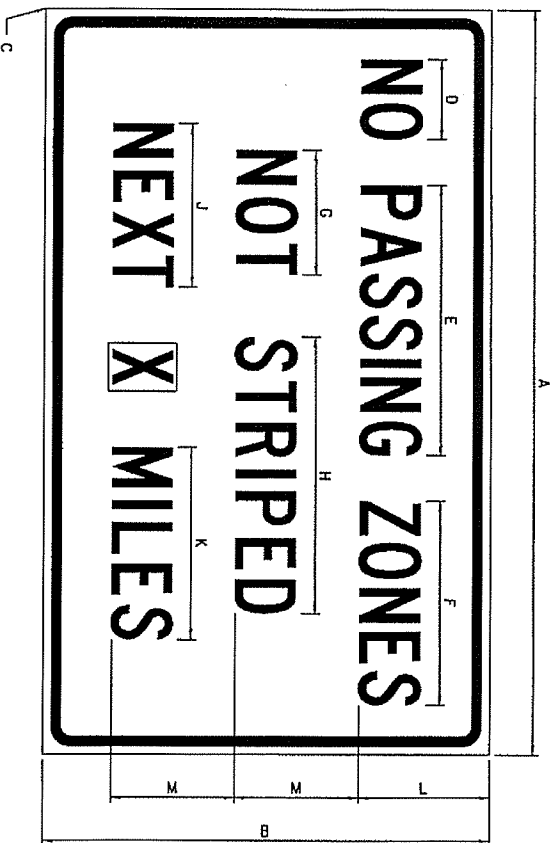


SAFETY EDGE (SMART PROJECT)

WORK ZONE SIGN DETAILS

ILLINOIS STANDARD G20-1100

ILLINOIS STANDARD W8-1107

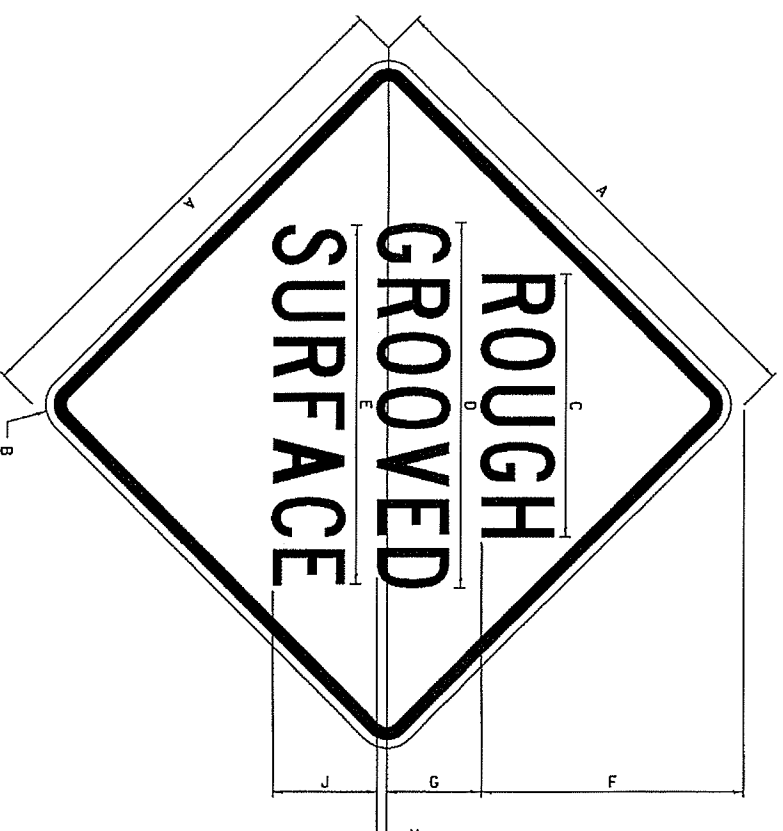


COLOR LEGEND AND BORDER BLACK NON-REFLECTORIZED
BACKGROUND ORANGE REFLECTORIZED

| SIGN SIZE | DIMENSIONS | | | | | | | | | | | |
|-----------|------------|-------|------|-----|-------|-------|-------|-------|-------|-------|-------|-------|
| | A | B | C | D | E | F | G | H | J | K | L | M |
| 60 x 36 | 60.00 | 36.00 | 2.25 | 6.4 | 21.80 | 16.40 | 10.00 | 22.40 | 13.20 | 15.50 | 10.50 | 10.00 |

| SIGN SIZE | SERIES BY LINE | | | MARGIN | BORDER |
|-----------|----------------|----|----|--------|--------|
| | 1 | 2 | 3 | | |
| 60 x 36 | 5C | 5C | 5C | 0.625 | 0.875 |

Sign not to scale



COLOR LEGEND AND BORDER BLACK NON-REFLECTORIZED
BACKGROUND ORANGE REFLECTORIZED

| SIGN SIZE | DIMENSIONS | | | | | | | | | |
|-----------|------------|------|-------|-------|-------|-------|------|------|-------|--|
| | A | B | C | D | E | F | G | H | J | |
| 48 x 48 | 48.00 | 3.00 | 25.00 | 34.80 | 34.20 | 24.94 | 9.00 | 1.00 | 10.00 | |

| SIGN SIZE | SERIES BY LINE | | | MARGIN | BORDER |
|-----------|----------------|----|----|--------|--------|
| | 1 | 2 | 3 | | |
| 48 x 48 | 7C | 7C | 7C | 1.250 | 0.750 |

Sign not to scale

GENERAL NOTES

All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately. All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids. Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications. All dimensions are in inches unless otherwise noted.

| | | | |
|--------------|--------------|-------------------|------------------|
| FILE NAME: 1 | USER NAME: 1 | DESIGNED: 3-02-15 | REVISED: 3-02-15 |
| PROJECT: 1 | PROJECT: 1 | DRAWN: 1 | REVISED: 1 |
| DATE: 1 | DATE: 1 | CHECKED: 1 | REVISED: 1 |

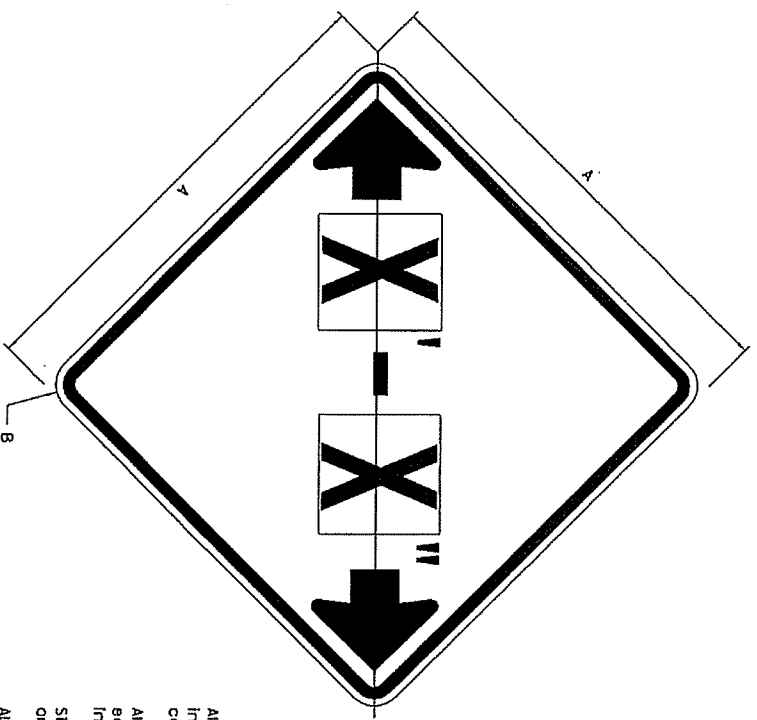
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | |
|--------------------------------|-------------------------|
| REGION 2 / DISTRICT 2 STANDARD | TOTAL SHEET NO. 31 |
| SCALE: 1" = 12" | SHEET NO. OF SHEETS: 31 |
| TO STA. 10+00 | CONTRACT NO. 64M59 |

WORK ZONE SIGN DETAILS

ILLINOIS STANDARD W12-1102

①



GENERAL NOTES

All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately. All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids. Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications. All dimensions are in inches unless otherwise noted.

| | | | | |
|-----------|-------------------|------|-----------|-------------------|
| SIGN SIZE | LEGEND AND BORDER | | BLACK | NON-REFLECTORIZED |
| | BACKGROUND | | FL ORANGE | REFLECTORIZED |
| 48 X 48 | DIMENSIONS | | | |
| | A | B | | |
| | 48.00 | 3.00 | | |

① Illinois Standard signs W12-1102 and W12-1103 shall be used as described in the special provisions.

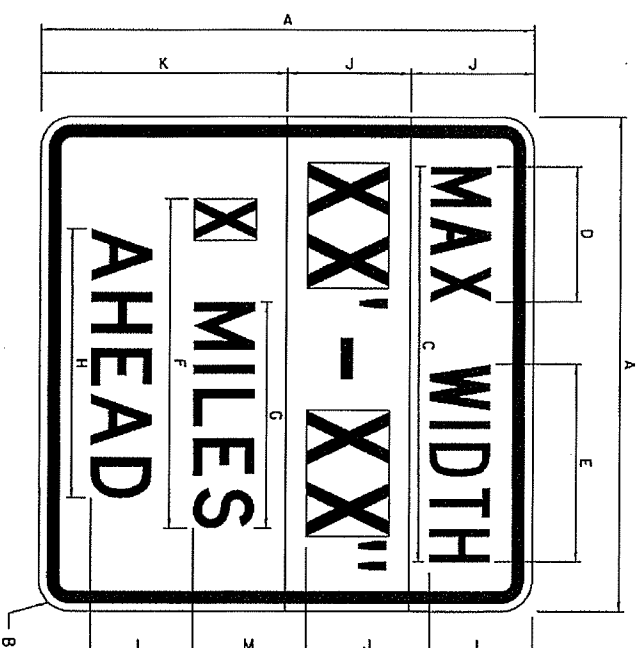
| | | | | |
|-----------|----------------|--|--------|--------|
| SIGN SIZE | SERIES BY LINE | | MARGIN | BORDER |
| | 1 | | 12C | 0.750 |
| 48 X 48 | | | | 1.250 |

Sign not to scale

| | | | | |
|-----------|-----------|----------|----------|---------|
| FILE NAME | USER NAME | DESIGNED | REVISION | 3-02-16 |
| DATE | PROJECT | DRAWN | CHECKED | |
| | | | | |
| | | | | |
| | | | | |

ILLINOIS STANDARD W12-1103

①



| | | | | | | | | | | | | |
|--------------------|-------------------|-----------|---------------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| SIGN SIZE | LEGEND AND BORDER | | BLACK | NON-REFLECTORIZED | | | | | | | | |
| | BACKGROUND | | WHITE | REFLECTORIZED | | | | | | | | |
| BACKGROUND (WIDTH) | | FL ORANGE | REFLECTORIZED | | | | | | | | | |
| 48 X 48 | DIMENSIONS | | | | | | | | | | | |
| | A | B | C | D | E | F | G | H | J | K | L | M |
| | 48.00 | 3.00 | 38.40 | 13.20 | 19.20 | 32.00 | 22.00 | 26.20 | 12.00 | 24.00 | 10.00 | 11.00 |

XX'-XX" WIDTH AND X MILES ARE VARIABLE TOP AND BOTTOM OF BACKGROUND WHITE

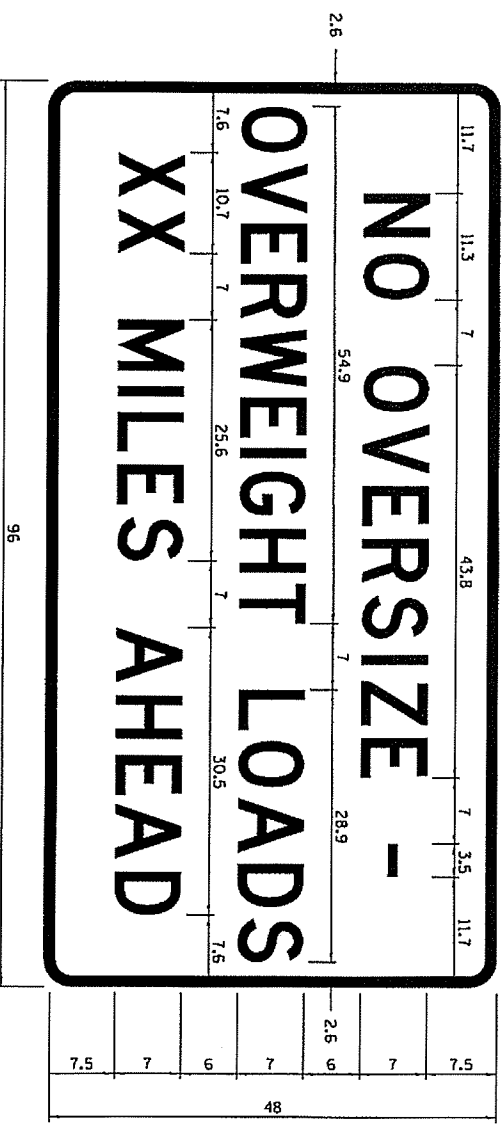
| | | | | | | |
|-----------|----------------|--|--|--|--------|--------|
| SIGN SIZE | SERIES BY LINE | | | | MARGIN | BORDER |
| | 1 | | | | 6C | 0.750 |
| 48 X 48 | | | | | | 1.250 |

Sign not to scale

| | | | | | | | | | |
|------------------------------|--------------------------------|-----------|-----------|------|---------|-------|--------------|--------------|-------------|
| STATE OF ILLINOIS | REGION 2 / DISTRICT 2 STANDARD | SHEET NO. | OF SHEETS | SIL. | TO SIL. | SCALE | SECTION | COUNTY | TOTAL SHEET |
| DEPARTMENT OF TRANSPORTATION | | | | | | | 02 RS 2018-3 | WHITESIDE | 31 |
| | | | | | | | | CONTRACT NO. | 64493 |

WORK ZONE SIGN DETAILS

ROAD CLOSED TO OVERSIZED LOADS



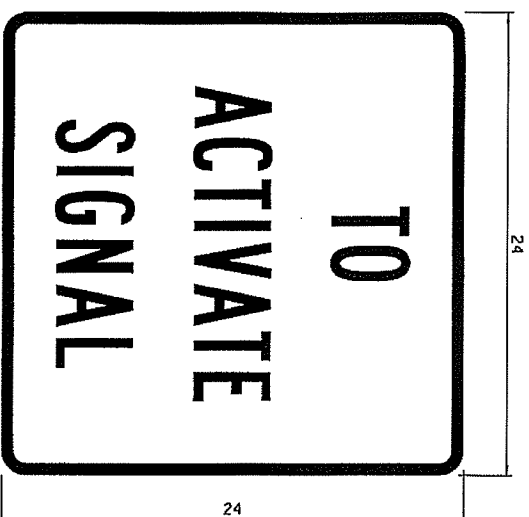
LEGEND AND BORDER
 COLOR BACKGROUND BLACK ORANGE
 NON-REFLECTORIZED REFLECTORIZED

Permit Loads - Loads Over 13 Feet; 3.0" Radius; 1.3" Border;
 (NO OVERSIZE -) D; (OVERWEIGHT LOADS) D 85% spacing; (XX MILES AHEAD) D;
 Table of letter and object heights.

| | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|
| N | O | O | V | E | R | S | I | Z | E | - |
| 11.7 | 18.1 | 30.0 | 36.2 | 42.8 | 48.4 | 54.4 | 60.7 | 63.5 | 69.5 | 80.8 |
| O | V | E | R | W | E | I | G | H | T | L |
| 2.6 | 8.6 | 15.0 | 20.4 | 26.2 | 33.4 | 38.8 | 41.3 | 47.4 | 53.2 | 64.5 |
| X | X | M | I | L | E | S | A | H | E | A |
| 7.6 | 13.6 | 25.3 | 32.3 | 35.1 | 40.6 | 46.2 | 57.9 | 65.1 | 71.4 | 76.6 |
| | | | | | | | | | | D |
| | | | | | | | | | | 83.7 |

Sign not to scale

STOP LINE SIGN FOR TEMPORARY SIGNALS



LEGEND AND BORDER
 COLOR BACKGROUND BLACK WHITE
 NON-REFLECTORIZED REFLECTORIZED

| SIGN SIZE | SERIES BY LINE | | |
|-----------|----------------|----|----|
| | 1 | 2 | 3 |
| 24 X 24 | 4C | 4C | 4C |

Sign not to scale

GENERAL NOTES

All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

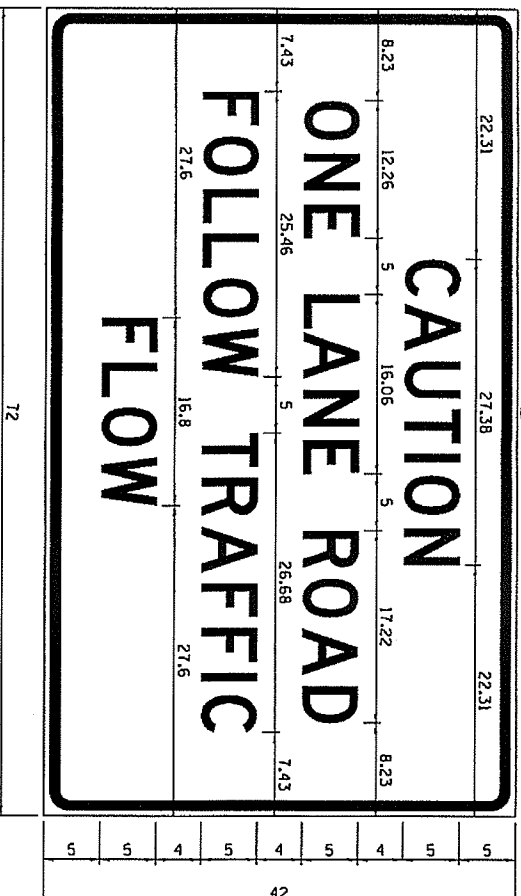
| | | | |
|------------------------------|----------------------------|---------------------|---------------------|
| FILE NAME: 18 Jan10a-02a-01a | USER NAME: r.mohank | DESTINER: 3-02-16 | REVISION: - |
| DATE: 02/02/16 | DESIGNED: - | CHECKED: - | REVISION: - |
| PROJECT: 18 Jan10a-02a-01a | PROJECT: 18 Jan10a-02a-01a | DATE: - | REVISION: - |
| SCALE: 1/8" = 1'-0" | SCALE: 1/8" = 1'-0" | SCALE: 1/8" = 1'-0" | SCALE: 1/8" = 1'-0" |

| | | | |
|------------------------------|--------------------------------|--------------------|--------------|
| STATE OF ILLINOIS | REGION 2 / DISTRICT 2 STANDARD | SECTION | TOTAL SHEETS |
| DEPARTMENT OF TRANSPORTATION | WORK ZONE SIGN DETAILS | 02 RS 2018-3 | 31 |
| | | CONTRACT NO. 64453 | 27 |
| | | | 34.1 |

ENTRANCE SIGN FOR USE WITH TEMPORARY SIGNALS

WORK ZONE SIGN DETAILS

STAY IN YOUR LANE



LEGEND AND BORDER: BLACK, NON-REFLECTORIZED; ORANGE, REFLECTORIZED

2.25" Radius, 0.88" Border, 0.50" Indent; (CAUTION) D; (ONE LANE ROAD) D; (FOLLOW TRAFFIC) D; (FLOW) D

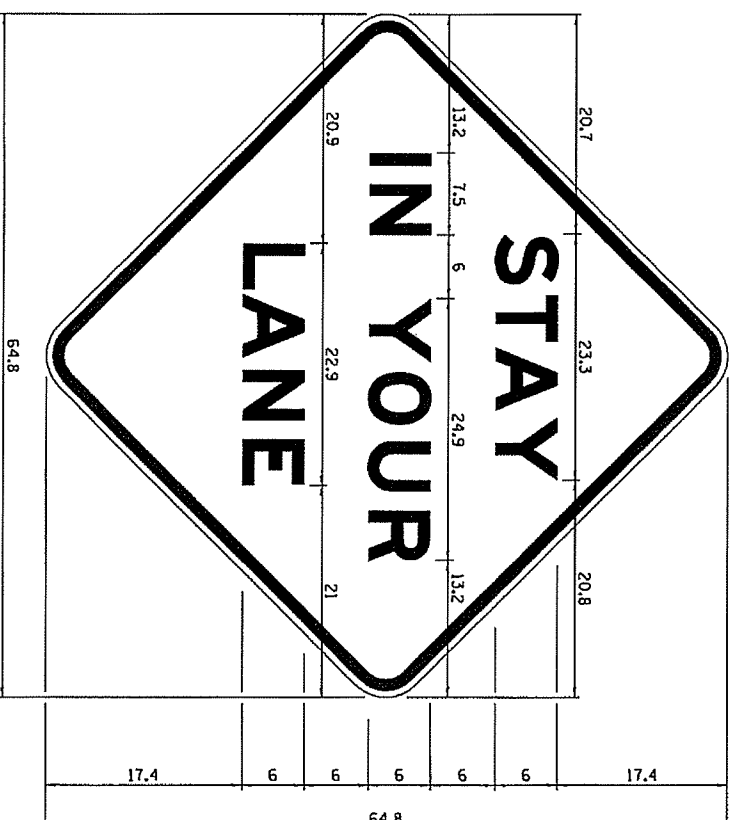
This sign shall be installed at entrances located between the temporary signals as shown in the staging plans.

Table of Widths And Spaces

| | | | | | | | | | | | | | | | | | |
|-------|---|------|------|------|------|------|------|------|------|-------|---|------|------|------|---|------|-------|
| 22.31 | C | 3.36 | A | 4.18 | 0.94 | U | 3.36 | 0.94 | T | 3.04 | I | 0.94 | O | 1.17 | N | 3.36 | 22.31 |
| 8.23 | O | 3.51 | N | 1.17 | 3.36 | 1.18 | 3.04 | | | | | | | | | | |
| 5.00 | L | 3.05 | A | 4.18 | 0.94 | N | 3.36 | 1.17 | 3.05 | | | | | | | | |
| 5.00 | R | 3.36 | O | 0.93 | 3.52 | A | 4.18 | 0.93 | 3.36 | 8.23 | | | | | | | |
| 7.43 | F | 3.04 | 0.94 | 3.52 | 1.17 | L | 3.04 | 0.94 | 3.05 | 0.94 | L | 3.05 | 0.94 | 3.51 | O | 0.94 | 4.37 |
| 5.00 | T | 3.05 | 0.94 | 3.36 | 0.94 | A | 4.18 | 0.93 | 3.05 | 0.94 | F | 3.05 | 0.94 | 3.04 | F | 3.04 | 0.94 |
| 27.60 | F | 3.05 | 0.94 | L | 3.04 | 0.94 | 3.52 | 0.93 | 4.38 | 27.60 | | | | | | | |

GENERAL NOTES

All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately. All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids. Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications. All dimensions are in inches unless otherwise noted.



LEGEND AND BORDER: BLACK, NON-REFLECTORIZED; ORANGE, REFLECTORIZED

48.0" across sides 3.8" Radius, 1.0" Border, 0.6" Indent; "STAY" E Mod; "IN YOUR" E Mod; "LANE" E Mod

Table of Letter and Object Lefts

| | | | |
|------|------|------|------|
| S | T | A | Y |
| 20.7 | 26.8 | 31.6 | 38.0 |
| I | N | Y | O |
| 13.2 | 15.9 | 26.7 | 33.9 |
| L | A | N | E |
| 20.9 | 25.8 | 33.1 | 39.4 |

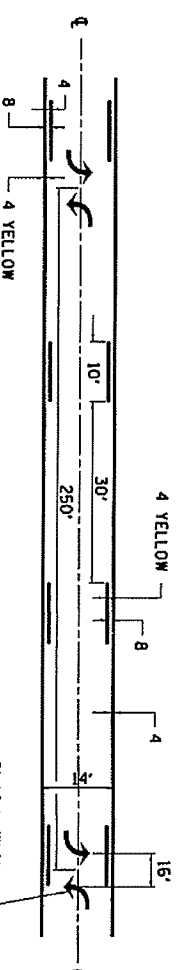
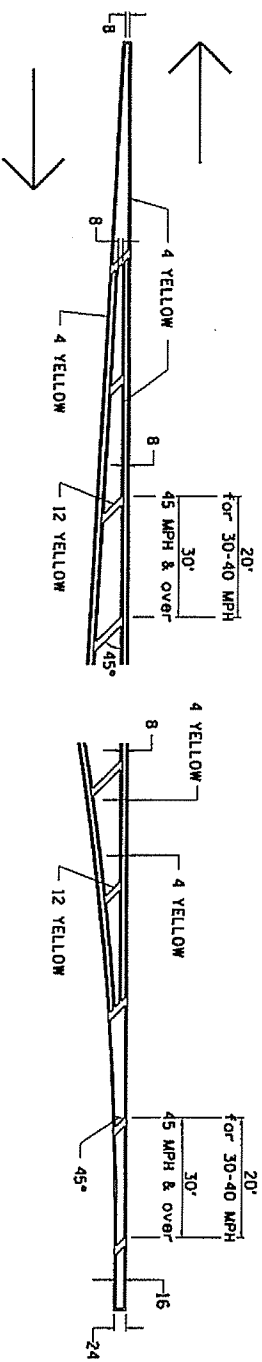
Sign not to scale

| | | |
|--|--------------------------------|-----------------------|
| FILE NAME: 18 Jan 2018 10:00:00 AM | DESIGNED: 3-02-18 | REVISIONS: |
| DRAWN: 3-02-18 | CHECKED: 3-02-18 | REVISIONS: |
| DATE: 3-02-18 | DATE: 3-02-18 | REVISIONS: |
| STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | REGION 2 / DISTRICT 2 STANDARD | SECTION: 02 RS 2018-3 |
| SCALE: 1" = 10'-0" | SHEET NO. OF SHEETS: 51A | COUNTY: WHITEHOUSE |
| TO STA.: | TO STA.: | CONTRACT NO. 64A59 |
| WORK ZONE SIGN DETAILS SHEET 4 OF 4 | | 34.1 |

TYPICAL PAVEMENT MARKINGS

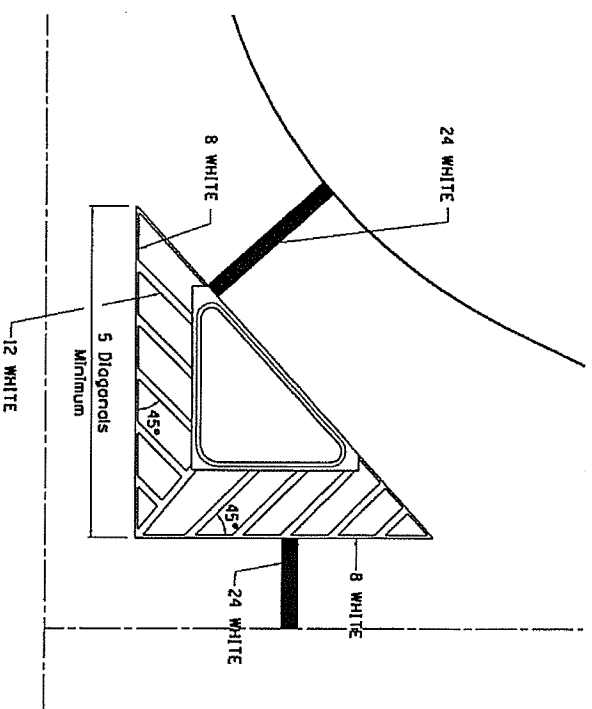
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN

AT LEFT TURN LANE

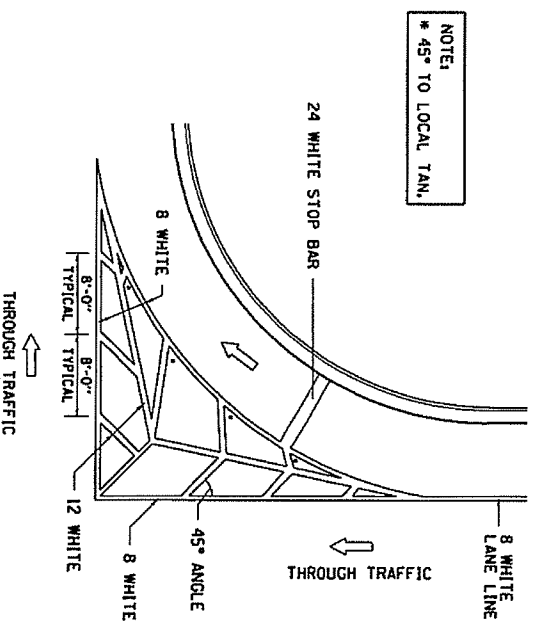


MEDIAN PAVEMENT MARKING

TYPICAL ISLAND OFFSET SHOULDER WIDTH

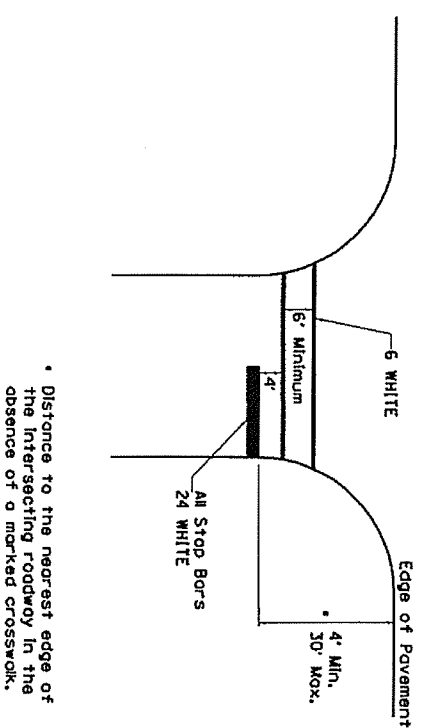


TYPICAL MARKING FOR PAINTED ISLANDS



NOTE:
* 45° TO LOCAL TAN.

STANDARD CROSSWALK MARKING



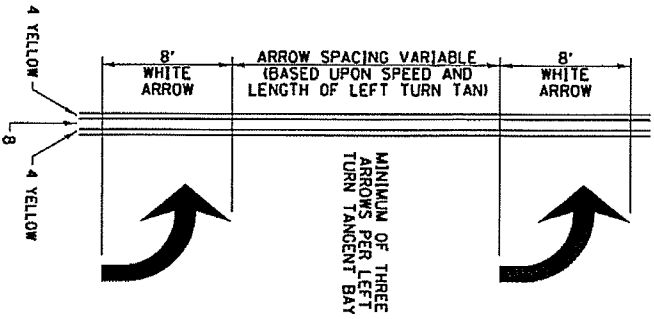
* Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

** ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

| | | | | | | | | |
|--------------------|-------------------|------------|---|--------------------------------|----------------|----------------------|--------------------|------------------|
| FILE NAME: 1 | DESIGNED: 6-27-14 | REVISIONS: | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | REGION 2 / DISTRICT 2 STANDARD | SHEET NO. 31 | SECTION: 02 RS 20B-3 | COUNTY: MISSOURI | TOTAL SHEETS: 28 |
| DATE: 6-27-14 | CHECKED: 7-05-12 | REVISIONS: | | | OF SHEETS: 51A | TO STA.: | CONTRACT NO. 6A459 | SHEET NO. 31 |
| SCALE: 1" = 30'-0" | DATE: 7-05-12 | REVISIONS: | | | | | | |

TYPICAL PAVEMENT MARKINGS

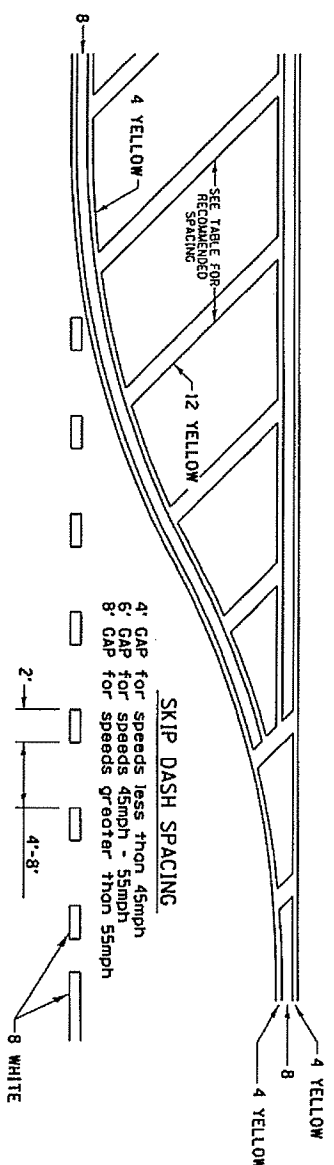
ARROW LAYOUT



ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

▲ ONE-WAY AMBER MARKER
 △ ONE-WAY CRYSTAL MARKER
 ◆ TWO-WAY AMBER MARKER

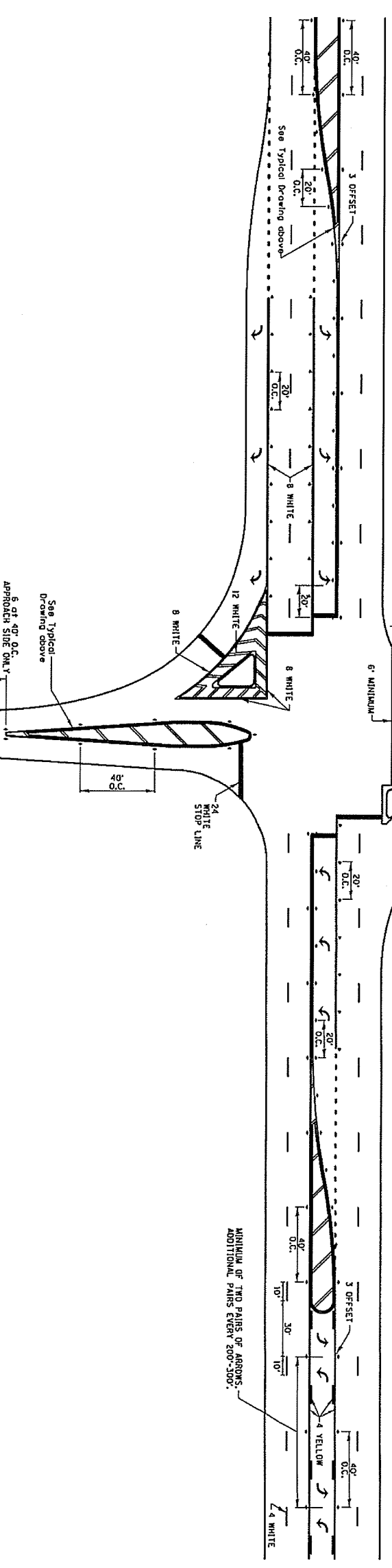
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

| Speed Limit Range | Continuous Median Area | Intersection Channelization | Objects (Islands) |
|-------------------|------------------------|-----------------------------|-------------------|
| less than 30MPH | 50' | 15' | 10' |
| 30-40MPH | 75' | 20' | 15' |
| 45MPH & over | 75' | 30' | 20' |

NOTE: If the spacing recommended in the Table does not permit at least five diagonal lines in the area being marked, the spacing from the next lowest speed range should be used. The recommended spacing is measured parallel to the pavement center line.



FILE NAME: 1

USER NAME: 1.mdi@ihs.com

DESIGNED: 6/27/14

DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

TYPICAL PAVEMENT MARKINGS SHEET 2 OF 3 41.1

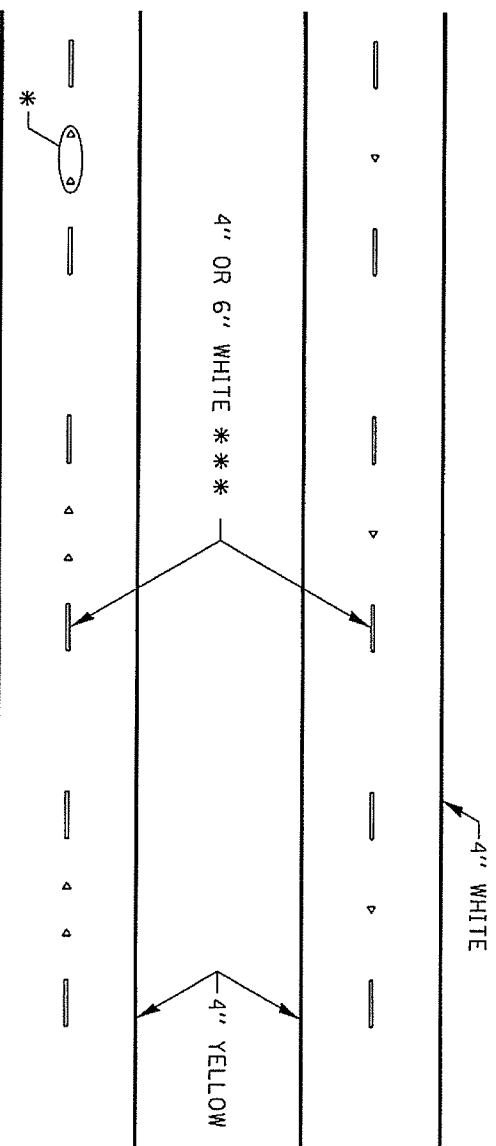
SCALE: SHEET NO. OF SHEETS | STA. TO STA.

| DATE | REVISION |
|----------|-------------------|
| 02/28/14 | 1. INITIAL DESIGN |
| 03/05/14 | 2. REVISION |
| 03/10/14 | 3. REVISION |
| 03/15/14 | 4. REVISION |
| 03/20/14 | 5. REVISION |

FRS SECTION COUNTY TOTAL SHEETS NO. 186 02 R3 2014-3 WHITESIDE 31 30 CONTRACT NO. 64453

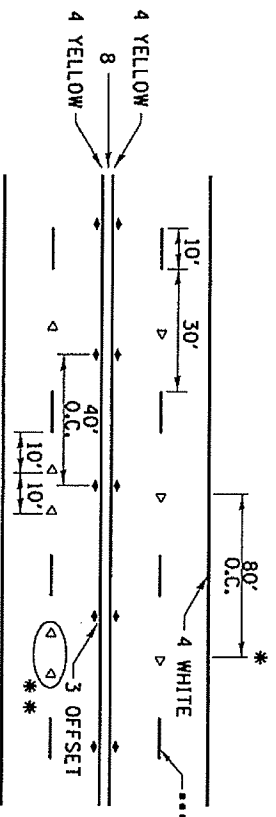
TYPICAL PAVEMENT MARKINGS

TYPICAL PARKING SPACING



* SEE HIGHWAY STANDARD 781001 FOR SPACING DETAILS.
USE DOUBLE MARKERS WHEN ADT > 20,000.

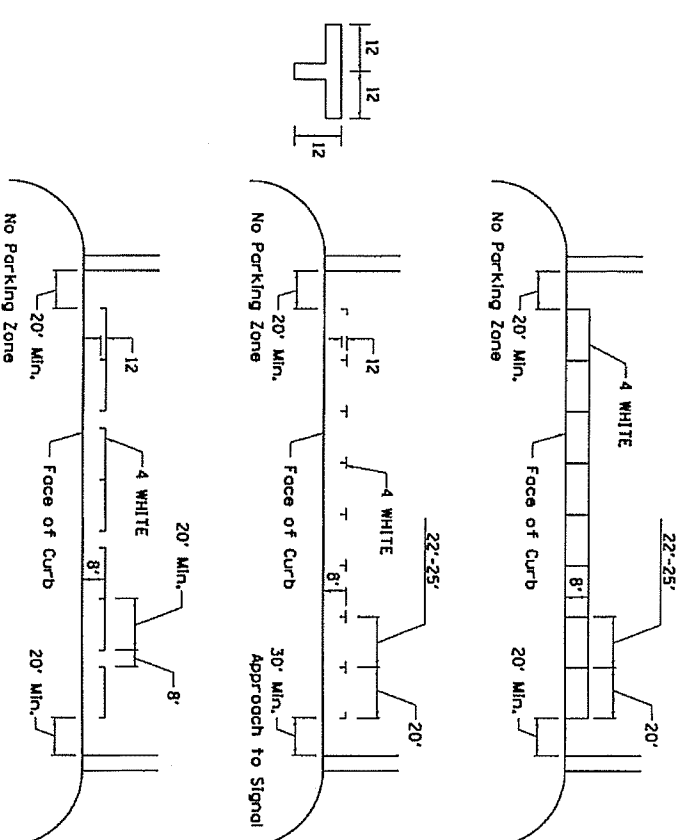
MULTI-LANE / DIVIDED



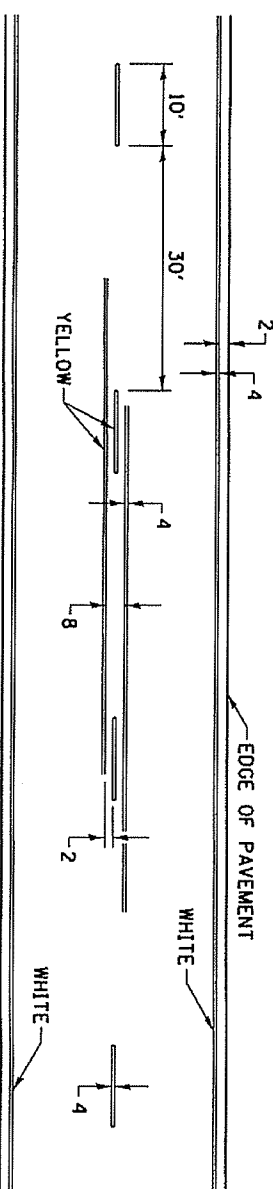
- REDUCE TO 40' O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH LOWER THAN POSTED SPEEDS.
- USE DOUBLE MARKERS WHEN ADT ≥ 20,000
- CENTERLINE SKIP DASH PAVEMENT MARKING SPEED LIMIT LESS THAN 40 MPH USE 4" LINE. SPEED LIMIT 40 MPH AND OVER USE 6" LINE.

MULTI-LANE / UNDIVIDED & ONE WAY

(FOR MULTI-LANE UNDIVIDED HIGHWAYS USE THIS
DETAIL NOT HIGHWAY STANDARD 781001)



TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION - NO PASSING ZONES



| | | |
|----------------------|--------------------|--------------------|
| FILE NAME: 1 | USED MARK: 1 | REVISION: 6-27-14 |
| DATE: 08/27/14 | DESIGNED: 08/27/14 | REVISION: 8-27-13 |
| PROJECT: 08/27/14 | CHECKED: 08/27/14 | REVISION: 11-28-12 |
| NOT DATE: 08-28-2017 | DATE: 08-28-2017 | REVISION: 11-28-12 |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD
SHEET NO. 02 SHEETS 1 STA. TO STA.

TYPICAL PAVEMENT MARKINGS SHEET 3 OF 3 41.1