## STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

FOR INDEX OF SHEETS, SEE SHEET NO. 2
HIGHWAY CLASSIFICATION
F.A.S. ROUTE 1205 (IL 192)

CLASSIFICATION: MAJOR COLLECTOR
ADT: 1,700 (2019)
PV
$\begin{array}{ll}\text { ADT: 1,700 (2019) } & \text { PV }=11550 \\ \text { DESIGN SPEED: 40-55 MPH } & \text { SU }=110\end{array}$
POSTED SPEED: 40-55 MPH MU $=40$

## PROPOSED <br> HIGHWAY PLANS

## F.A.S. ROUTE 1205 (IL 192) <br> SECTION (9-15D)RS-2 <br> PROJECT STP-559C(473) <br> HMA RESURFACING <br> ROCK ISLAND COUNTY



PROJECT ENGINEER: ANDREW LEE
PROJECT SQUAD LEADER: ROBERT BARTON
PROJECT MANAGER: DENNISSE OTERO-LOPEZ (815)-284-5924 Gross Length $=8.115 \mathrm{FT}=1.54 \mathrm{mlLE}$

CONTRACT NO. 64N37


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## HIGHWAY STANDARDS

000001-C8
001001-C2
001006
424001-11
42201-C3
606001-C8
701001-C2
701006-c5
701011-C4
701201-C5
701301-C4
701306-C4
701311-c3
701336-C7
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701701-10
701801-c6
201001-18
720001-C1
720006-C4
728001-C1
780001-C5
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standard symbols abbreviations and paterns AREAS OF RENFORCEMENT BARS
DECIMAL OF An InCH AND OF A FOOT
PERPENDICULAR CURb RAMPS FOR SIDEWALK CLASS C AND D PATCHES
CONCRETE CURB TYPE B \& COMBINATION CONCRETE CURB \& GUTTER
OFF-RD OPERATIONS, 2L, 2W, MORE THAN $15^{\prime}(4.5 \mathrm{SM}$ ) AWAY OFF-RD OPERATIONS, 2L. 2W. 15' (4.5M) TO $24^{\prime \prime}(600$ MM) FROM PAVEMENT EDGE OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
LANE CLOSURE, 2 L , 2W DAY ONLY, FOR SPEEDS $\geq 45$ MPH
ANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
ANE CLOSURE,2L, 2 W , SLOW MOVING OPERATIONS, FOR SPEEDS $\geq 45$ MPH
LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
LANE CLOSURE, 2 L , 2 W , WORK AREAS IN SERIES, FOR SPEEDS $\geq 45$ MPH urban lane closure, 2L 2W, undivided urban lane closure multiane intersection
sidewalk, Corner or crosswalk closure
TRAFFIC CONTROL DEVICES sign panel mounting detalls
sign panel erect detalls
telescoping steel sign support
TYPICALPAVEMENT MARKINGS
typical applications raised reflective pavement markers

## GENERAL NOTES

Fertilizer shall be applied to all disturbed areas and incorporated into the seedbed 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 EARTH EXCAVATION.

When laying out for patching, the minimum distance between new patches (saw cut to saw cut) shall be 15 feet. When patch spacing is less than 15 feet, the pavement between patches shall also be removed and replaced.

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:

|  | Resurfacing |  |  |
| :--- | :---: | :---: | :---: |
|  | Location and Mixture Use(s): | Surface | Binder |
| PG: | PG 58-28 | PG 58-28 |  |
| Design Air Voids: | $4.0 @$ @50 | 4.0 @N50 |  |
| Mixture Composition: | IL 9.5 | IL 9.5 FG |  |
| Friction Aggregate: | C | N/A |  |
| Mixture Weight: | 112 | N/A |  |
| Quality Management Program: | QCP | QC/QA |  |
| Sublot Size: | 1000 | N/A |  |
| Material Transfer Device | Yes | No |  |

The Contractor will be required to furnish $51 / 2^{\prime \prime}$ high brass stencils as approved by the Engineer and install stationing a 250 ' intervals. Stationing shall be placed on both lanes of 2 -lane highways and on the outside lanes in both directions shoulder. This work will be included in the cost of the final pavement surface

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.

To help avoid excess drop offs at the edge of pavement, aggregate shoulder material of the type specified in the plans shall be placed prior to any bituminous material. The aggregate material shall be placed flush with the existing pavement or at the elevation of any proposed milling. At no time shall the aggregate shoulder material be higher than the existing edge of pavement. This work shall be paid for by the ton for AGGREGATE SHOULDERS of type specified.

The Contractor shall be responsible for collecting and maintaining an electronic log of all stakeout survey that is performed on the job, either by him/her or any sub-contractor performing the stakeout. Upon request, all logs shall be submitted to the Department. No additional compensation will be allowed for this work, but shall be considered included in the cost for CONSTRUCTION LAYOUT.
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. Typical Lane and Edge Lines.
3. 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 following listed utilities located within the project limits or immediately adjacent to the project construction limits are members of JULIE:

| Mr. Nate Teager | MidAmerican Energy Company | $563-333-8706$ |
| :--- | :--- | :--- |
| Mr. Matt Kovacic | MidAmerican Energy Company | $309-793-3704$ |
| Jace Taylor | Reynolds Telephone Co | $309-372-9942$ |
| Mr. Jeff Keller | Edgington Water District | $309-795-1655$ |
| Mr. Hector Garcia | AT\&T | $630-573-5465$ |

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

It shall be the Contractor's responsibility to contact the municipality to determine approved methods of utility structure adjustment. Utility structures may include, but are not limited to, manholes, water valves, handholes, etc. All materials and work necessary to complete adj

Traffic shall not be allowed on milled surface.

|  | 1 IEM | Unit | $\begin{array}{\|c\|} \text { TOTAL } \\ \text { QUANTITY } \\ \hline \end{array}$ | CONSTR. CODE |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | $80 \%$ FEDERAL <br> $20 \%$ STATE <br> ROADWAY |
| $\begin{gathered} \text { CODE } \\ \text { No. } \\ \hline \end{gathered}$ |  |  |  |  |
|  |  |  |  | 0005 |
|  |  |  |  | RURAL |
|  |  |  |  |  |
| 20200100 | Earth excavation | CU YD | 15 | 15 |
|  |  |  |  |  |
| 21101615 | Topsoil furnish and place, 4" | SQ YD | 40 | 40 |
|  |  |  |  |  |
| 25200110 | sooding, salt tolerant | SQ YD | 40 | 40 |
|  |  |  |  |  |
| 25200200 | supplemental watering | unit | 1 | 1 |
|  |  |  |  |  |
| 28000250 | temporary erosion control seeding | pound | 3 | 3 |
|  |  |  |  |  |
| 28000500 | inlet and pipe protection | EACH | 1 | 1 |
|  |  |  |  |  |
| 30300001 | AGGregate subgrade improvement | CU YD | 8 | 8 |
|  |  |  |  |  |
| 35101400 | aggregate base course, type b | TON | 10 | 10 |
|  |  |  |  |  |
| 40600290 | bituminous materials (tack coat) | POUND | 17,897 | 17,897 |
|  |  |  |  |  |
| 40600370 | Longitudinal joint sealant | FOOT | 39.772 | 39.772 |
|  |  |  |  |  |
| 40600990 | temporary ramp | SQ YD | 654 | 654 |
|  |  |  |  |  |
| 40602965 | Hot-mix Asphalt binoer course, IL-9.5Fg, n50 | TON | 1,306 | 1,306 |
|  |  |  |  |  |
| 40604050 | Hot-mix Asphalt Surface Course, il-9.5, MIX "C", N50 | TON | 2,907 | 2,907 |
|  |  |  |  |  |
| 40800050 | incidental hot-mix asphalt surfacing | TON | 710 | 710 |
|  |  |  |  |  |



* $=$ SPECIALTY ITEM

| $\quad$ DESIGNED |
| :--- | :--- |
| DRAWN |



* $=$ SPECIALTYITEM

* specialty item
 $\qquad$

|  | ITEM |  |  | CONSTR. CODE |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | $\begin{array}{\|c\|} \hline 80 \% \text { FEDERAL } \\ 20 \% \text { STATE } \\ \hline \text { ROADWAY } \\ \hline \end{array}$ |
| $\begin{aligned} & \text { CODE } \\ & \text { No. } \end{aligned}$ |  | UnIT | $\begin{array}{\|c\|} \hline \text { TOTAL } \\ \text { QUANTITY } \\ \hline \end{array}$ |  |
|  |  |  |  | 0005 |
|  |  |  |  | RURAL |
|  |  |  |  |  |
| 78300202 | pavement marking removal - water blasting | SQ FT | 392 | 392 |
|  |  |  |  |  |
| $\times 0324380$ | remove and replace lid | EACH | 10 | 10 |
|  |  |  |  |  |
| X4201650 | PAVEMENT FABRIC (SPECIAL) | SQ YD | 1,196 | 1196 |
|  |  |  |  |  |
| 20013798 | construction layout | L sum | 1 | 1 |
| 20034105 | MATERIAL TRANSFER DEVICE | TON | 2,907 | 2,907 |
| z0028415 | geotechnical reinforcement | SQ YD | 46 | 46 |

## IL 192

## STA $158+93$ TO STA $160+85$



* maintain existing cross slope

HMA UNIT WEIGHT 112\# / IN / SQ YD
existing area reflective crack contro EXISITNG AREA REELECTIVE CRACK
TREATMENT 3" BELOW SURFACE

## IL 192

## STA $163+74$ TO STA $169+97$



IL 192
STA $169+97$ TO STA $171+07$
$\Delta \triangle$ hma surface removal

* maintain existing cross slope

HMA UNIT WEIGHT 112\# / IN / SQ YD
Existing area reflective crack contro TREATMENT $3^{\prime \prime}$ BELOW SURFACE

$\square$

## IL 192

STA $171+07$ TO STA $173+60$


IL 192
STA $173+60$ TO STA $175+22$

$\triangle \triangle$ hma surface removal

* maintain existing cross slope

HMA UNIT WEIGHT 112\# / IN / SQ YD
EXISting area reflective crack control EXISTING AREA RELLECTVE CRACK
TREATMENT 3 " BELOW SURFACE


# IL 192 

STA $175+22$ TO STA $177+95$

notes:
$\square \triangle$ hma surface removal

* maintain existing cross slope

HMA UNIT WEIGHT 112\# / IN / SQ YD
existing area reflective crack contro EXISTING AREA RELLECTVE CRACK
TREATMENT 3 " BELOW SURFACE
A) VARIES FROM 6' $^{\prime}$ TO 0

O STA 176+63
B) VARIES FROM 13'-0" TO $11^{\prime}-0$ " FROM STA $175+76$ TO STA $177+14$ PARKING LANE BEGINS STA $175+30$ pARking LANE ENDS STA 177+64
 STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION


TRANSITION - MAINLINE IL 192 FROM 1 ½" MILLING TO 2 " MILLING SECTION

STA $186+28$ TO STA $186+65.5$


IL 192
STA $186+28$ TO STA $240+08$


- transition milling paid as hma surface removal, $23 / 4$ -1 1々"HMA SURFACE COURSE, IL-9.5, MIX "C", N50
$-11 / 4 "$ HMA BINDER COURSE, IL-9.5FG, N50


## BUTT JOINT - MAINLINE IL 192

STA $239+70.5$ TO STA $240+08$


* maintain existing cross slope

HMA UNIT WEIGHT 112\# / IN / SQ YD
EXISting area reflective crack control
TREATMENT 3" BELOW SURFACE

| USER ManE - oterod | DESIINED - RWB | REVISED |  |
| :---: | :---: | :---: | :---: |
|  | DRAWN | REVISED | STATE OF ILLINOIS |
| PLOT SCALE $=8.0 .0000 / \mathrm{m}$. | CHECKED | REvSED | DEPARTMENT OF TRANSP |





$\square$


$\square$

| USRR ManE - oteeod | DESIINED - | REVISED |  |
| :---: | :---: | :---: | :---: |
|  | drawn - | Revised | STATE OF ILLINOIS |
| Scale $=100.0000 \mathrm{ol}$ / . | CHECKED | Revised | department of trans |

of 3 Shest

| EARTHWORK SCHEDULE |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| LOCATION | REMARKS | 20200100 |  |  |  |
|  |  | EARTH EXCAVATION (CUT) | EARTH EXCAVATION ADJUSTMENT 25\% SHRINKAGE | EMBANKMENT (FILL) | EARTHWORK BALANCE WASTE (+) SHORTAGE (-) |
|  |  | CUYD | CUYD | CUYD | CUYD |
| MAINLINE (IL 192) |  |  |  |  |  |
| $174+98-175+31$ | ADA | 6.5 | 4.9 | 0.0 | 4.9 |
| $175+1-175+32$ | ADA | 3.9 | 2.9 | 0.0 | 2.9 |
| TOTAL (RURAL) |  | 15 | 10.0 | 0.0 | 10.0 |

$\square$

$\square$ $\left\lvert\, \begin{aligned} & \text { DESIINE } \\ & \text { DRAWN } \\ & \text { CHECKED }\end{aligned}\right.$ wn . $\left.\right|_{\substack{\text { REVISE } \\ \text { REVIIE } \\ \text { RESISE }}}$
 STATE OF ILLINOIS

| Location | CLASS C PATCHING |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | PAVEMENTWIDTH | LENGTH OF Patch |  | 30300001 <br> AGGREGATE SUBGRADE IMPROVEMENT | 44201445 |  | 44201447 |  | 44201449 |  | 20028415 |
|  |  |  |  | CLASS C PATCHES, TYPEII, 18 INCH | CLASS C PATCHES, TYPEIII, 18 INCH |  | CLASS C PATCHES, TYPE IV, 18 INCH |  | GEOTECHNICAL REINFORCMENT |
|  |  | Lt lane | RTt LANE |  | Lt LANE ( $\mathrm{yd}^{2}$ ) | RTLANE ( $\mathrm{yd}^{2}$ ) | LT LANE ( d ${ }^{\text {a }}$ ) | RT LANE (yd ${ }^{2}$ ) |  | Lt LANE ( $\left(\mathrm{da}^{2}\right)$ | RT LANE (yd ${ }^{2}$ ) |
|  | FOOT | FOOT | FOOT |  | CuYD | SarD | SQYD | SQ VD | Sord | SQrD | SQro | SQYD |
| $160+63$ | 20 | 12.8 | 12.8 | 0.0 | 0.0 | 0.0 | 18.5 | 18.5 | 0.0 | 0.0 | 0.0 |
| $169+89$ | 8 | 6.9 | 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 28.9 | 0.0 |
| $174+00$ | 18 | 24.2 | 4.5 | 0.0 | 0.0 | 6.5 | 0.0 | 0.0 | 35.0 | 0.0 | 0.0 |
| $175+23$ | 5 | 16.2 | 42.5 | 0.0 | 0.0 | 0.0 | 23.4 | 0.0 | 0.0 | 61.3 | 0.0 |
| $238+35$ | 12 | 12.9 | 12.8 | 0.0 | 0.0 | 0.0 | 18.6 | 18.5 | 0.0 | 0.0 | 0.0 |
| 158+93-240+08 |  |  |  | 7.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 45.8 |
| Total |  |  |  |  |  |  |  |  |  |  | 46 |

$\square$

DESIVNED.
DRAWN
CHECED

| ENTRANCES/SIDEROADS |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| location |  |  | CENTERLINETO ROW | WIDTH AT SHOULDER | SHOULDER to throat | throat WIDTH | throat to TERMINI | TERMINI | AREA | 40600290MITUMINOUSMATERILLS(TACK CAAT) | 40600990 <br> TEMPORARY RAMP | 40800050 |  | 44000100 <br> pavement REMOVAL | 44000158 <br> HMA SURFACE <br> REMOVAL, $21 / 4^{\prime \prime}$ | 48102100 <br> AGG WEDGE <br> SHOULDER, TYPE <br> B |
|  |  |  | INCIDENTAL HMA SURFACE |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | $21 / 4{ }^{4}$ |  |  |  |  |  |  |  |  | $3^{\prime \prime}$ |  |  |  |
| IL 192 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 164+73 | RT | HS Entrance |  | 40.0 | 151.0 | 72.5 | 34.0 |  | - | 745.1 | 335.3 | 85.0 | 93.9 |  |  | 745.1 |  |
| 167+64 | RT | HS Entrance | 40.0 | 121.0 | 56.0 | 35.0 | . | - | 485.3 | 218.4 | 87.5 | 61.2 | - | - | 485.3 | - |
| 172+65 | RT | HS Entrance | 41.4 | 103.0 | 45.0 | 30.0 | - | - | 332.5 | 149.6 | 75.0 | 41.9 | - | - | 332.5 |  |
| 174+66 | LT | 140 th Street | - | 111.0 | 53.0 | 36.0 | - | - | 432.8 | 194.8 | 90.0 | 54.5 | - | - | 432.8 | - |
| $174+87$ | RT | 140 th Street | - | 98.0 | 68.0 | 41.0 | - | - | 525.1 | 236.3 | 102.5 | 66.2 |  |  | 525.1 |  |
| 175+24 | RT | ADA | - | - |  |  | - | - | 26.2 | 11.8 | - |  | 4.4 | 26.2 |  | - |
| 175+24 | LT | ADA | - |  |  |  | - | - | 11.6 | 5.2 | - |  | 2.0 | 11.6 |  |  |
| $178+14$ | RT | 139 th Street |  | 75.0 | 50.0 | 24.0 |  |  | 275.0 | 123.8 | 60.0 | 34.7 |  |  | 275.0 |  |
| 187+30 | RT | PE | 40.0 | 50.0 | 12.1 | 4.6 | 19.5 | 4.6 | 46.7 | 21.0 |  | 5.9 | - | - | - | - |
| $188+22$ | LT | MB |  | 100.3 | 3.2 | 100.3 | 3.6 | 42.1 | 64.1 | 28.9 | - | 8.1 | - |  |  |  |
| ${ }^{189+56}$ | RT | PE | 40.0 | 47.0 | 20.7 | 11.0 | 15.5 | 11.0 | 85.6 | 38.5 | . | 10.8 | - | - | - | - |
| 189664 | LT | CE + MB | 40.0 | 103.0 | 16.8 | 12.0 | 15.4 | 12.0 | 127.9 | 57.5 | - | 16.1 | - | - | - | - |
| 193+32 | LT | PE+MB | 40.0 | 81.7 | 15.6 | 20.8 | 10.5 | 20.8 | 113.1 | 50.9 | - | 14.3 | - | - | - | - |
| $200+06$ | LT | PE+MB | 40.0 | 100.0 | 18.5 | 22.0 | 11.0 | 22.0 | 152.3 | 68.5 | - | 19.2 | - | - |  |  |
| $207+15$ | LT | PE+MB | 40.0 | 88.0 | 19.0 | 14.0 | 15.0 | 14.0 | 131.0 | 59.0 | - | 16.5 | - | - | - | - |
| $210+65$ | RT | CE | 40.0 | 66.0 | 25.0 | 32.0 | 23.0 | 32.0 | 217.9 | 98.1 | - | 27.5 | - | - | . | - |
| 212+19 | RT | CE | 40.0 | 67.0 | 10.0 | 32.0 | 28.6 | 32.0 | 156.7 | 70.5 | - | 19.7 |  |  |  |  |
| $214+83$ | LT | MB |  | 108.3 | 3.1 | 108.3 | 3.9 | 19.7 | 65.0 | 29.3 | - | 8.2 | - | - | - | - |
| $214+88$ | RT | PE | 40.0 | 67.5 | 22.0 | 31.6 | 27.0 | 31.6 | 215.9 | 97.2 |  | 27.2 | - | - | - |  |
| $217+20$ | RT | CE | 40.0 | 68.6 | 19.6 | 35.0 | 19.0 | 35.0 | 186.7 | 84.0 |  | 23.5 | - | - |  |  |
| $226+90$ | RT | 126 th Street |  | 144.0 | 69.0 | 22.0 |  |  | 636.3 | 286.4 | 55.0 | 80.2 | $\checkmark$ | - | 636.3 | 7.9 |
| $239+06$ | RT | PE | 40.0 | 58.0 | 20.0 | 18.0 | 8.5 | 18.0 | 101.4 | 45.7 |  | 12.8 | - | - |  |  |
| $239+70$ | LT | 123 rd Street |  | 140.0 | 54.0 | 22.0 |  | $\cdots$ | ${ }_{486.0}$ | 218.7 | 55.0 | 61.2 | - |  | 486.0 | 6.2 |
| $\square$ TOTAL |  |  |  |  |  |  |  |  |  | 2,530 | 610 | 710 |  | 38 | 3,919 | 15 |


$\square$ $\substack{\text { Revist } \\ \text { REVSED } \\ \text { REVSED } \\ \text { REVSED }}$

STATE OF ILLINOIS

| SIGN SCHEDULE |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| LOCATION | MILEAGE | direction | Description | SIGN CODE | SIGN DIMENSIONS |  |  | 72000200 <br> sign panel TYPE 2 | 72400310 <br> REMOVAL <br> SIGN PANEL <br> TYPE 1 | 72800100 <br> TELESCOPING <br> STEEL SIGN <br> SUPPORT | 73000100 <br> WOOD SIGN SUPPORT | REMARKS |
|  |  |  |  |  | HORIZONTAL | VERTICAL |  |  |  |  |  |  |
|  |  |  |  |  | INCHES | INCHES | SQFT | SQFT | SQFT | FOOT | foot |  |
| 154+70 | 2.93 | EB |  | W3-5(40) | 36 | 36 | 9.00 |  | 9.00 |  |  |  |
| 158+40 | 3.00 | WB |  | D2-2 | 72 | 30 |  | 15.00 |  | 30 |  | $\begin{array}{ll} \hline \text { LL } 92 & 3 \\ \text { \#linois City } & 8 \end{array}$ |
| $158+40$ | 3.00 | EB |  | M1-1200 | 18 | 18 | 2.25 |  |  | 14 |  | Mile marker 3 |
|  |  |  |  | M1-1200 | 18 | 18 | 2.25 |  |  |  |  | Mile marker 3 |
| 158+93 | 3.01 | EB |  | M1-1200 | 18 | 18 |  |  | 2.25 |  |  | Remove signs and post |
|  |  |  |  | M1-1200 | 18 | 18 |  |  | 2.25 |  |  |  |
| 159+98 | 3.03 | EB |  | S4.5 | 36 | 36 |  |  | 9.00 |  |  |  |
|  |  |  |  | S1-1 | 36 | 36 | 9.00 |  |  |  |  |  |
| 163+15 | 3.09 | WB |  | R2-1(55) | 30 | 36 | 7.50 |  | 7.50 |  |  |  |
| 163+15 | 3.09 | EB |  | R2-1(40) | 30 | 36 | 7.50 |  | 7.50 |  |  |  |
| 164+21 | 3.11 |  |  | R1-1 | 36 | 36 | 9.00 |  | 7.50 |  |  | At West High School Entrance |
| $165+26$ | 3.13 | EB |  | S1-1 | 36 | 36 |  |  | 9.00 |  |  | Remove signs and post |
| 166+32 | 3.15 | EB |  | S4-100 | 24 | 48 |  |  | 8.00 |  |  | Remove signs and post |
| 171+60 | 3.25 | EB |  | S4-100 | 24 | 48 |  |  | 8.00 |  |  | Remove signs and post |
| 172+13 | 3.26 | WB |  | S4-100 | 24 | 48 |  |  | 8.00 |  |  | Remove signs and post |
| 172+66 | 3.27 | NB |  | R1-1 | 36 | 36 | 9.00 |  | 7.50 |  |  | At East School Entrance (on power pole) |
| 172+66 | 3.27 | WB | 150 feet west of 140th St | S1-1 | 36 | 36 | 9.00 |  |  |  | 13 |  |
| 173+71 | 3.29 | EB |  | S1-1 | 36 | 36 |  |  | 9.00 |  |  | Remove signs and post |
|  |  |  |  | M6-2L | 21 | 15 |  |  | 2.19 |  |  |  |
| 173+71 | 3.29 | WB |  | R2-1(40) | 30 | 36 | 7.50 |  |  |  | 13 |  |
| 174+79 | 3.30 | SB | 140th st | R1-1 | 36 | 36 | 9.00 |  | 7.50 |  |  | At 140th St W |
| 174+24 | 3.30 | NB | 140th st | R1-1 | 36 | 36 | 9.00 |  | 7.50 |  |  | At 140th St W |
| 176+88 | 3.35 | WB |  | S1-1 | 36 | 36 |  |  | 9.00 |  |  | Remove signs and post |
|  |  |  |  | M $\mathrm{B}-2 \mathrm{~L}$ | 21 | 15 |  |  | 2.19 |  |  |  |
| 176+88 | 3.35 | EB |  | R2-1(40) | 30 | 36 | 7.50 |  | 7.50 |  |  |  |
| 177+94 | 3.37 | NB |  | R1-1 | 36 | 36 | 9.00 |  | 7.50 |  |  | at 139th St W |
| 178+46 | 3.38 | WB |  | S4-100 | 24 | 48 |  |  | 8.00 |  |  | Remove signs and post |
| 179+52 | 3.40 | WB |  | S1-1 | 36 | 36 |  |  | 9.00 |  |  | Remove signs and post |
| 181+10 | 3.43 | WB |  | S4-5 | 36 | 36 |  |  | 9.00 |  |  | Remove signs and post |
| 192+19 | 3.64 | WB |  | 11-101 | 42 | 18 | 5.25 |  | 5.25 |  |  | Edggington |
|  |  |  |  | R2-1(40) | 30 | 36 | 7.50 |  | 7.25 |  |  |  |
| 192+19 | 3.64 | EB |  | R2-1(55) | 30 | 36 | 7.50 |  |  |  | 14 | Install across from Edgington City sign |
| 194+30 | 3.68 | EB |  | R2-1(55) | 30 | 36 |  |  | 7.50 |  |  |  |
| 199+06 | 3.77 | EB |  | D2-2 | 72 | 30 |  | 15.00 |  | 30 |  |   <br> TAYLOR RIDGE 5 <br> US 67 8 |
| 201+70 | 3.82 | WB |  | W3-5(40) | 36 | 36 | 9.00 |  | 9.00 |  |  |  |
| 206+98 | 3.92 | EB |  | M1-1200 | 18 | 18 |  |  | 2.25 |  |  | Remove signs and post |
|  |  |  |  | M1-1200 | 18 | 18 |  |  | 2.25 |  |  |  |
| 211+20 | 4.00 | EB |  | M1-1200 | 18 | 18 | 2.25 |  |  | 14 |  | Mile marker 4 |
|  |  |  |  | M1-1200 | 18 | 18 | 2.25 |  |  |  |  | Mile marker 4 |
| 239+18 | 4.53 | EB |  | W1-7 | 48 | 24 | 8.00 |  |  |  |  |  |
|  |  |  |  |  |  | TOTAL | 148.25 | 30.00 | 197.38 | 88.00 | 40.00 |  |




HORIZONTAL CONTROL POINT \#1


HORIZONTAL CONTROL POINT \#2


HORIZONTAL CONTROL POINT \#RI48


HORIZONTAL CONTROL POINT \#RI49


HORIZONTAL CONTROL POINT \#RI094006

Chain 140THST contains

Beginning chain 140THST description
$================10$
Point 1003 N 1,719,585.70 E 2,132,761.62 Sta $8+40.00$
Course from 1003 to $10021^{10} 071$ 39.2300" Dist 160.00
Point $1002 \mathrm{~N} 1,719,745.67$ E 2,132,764.76 Sta $10+00.00$
Course from 1002 to $10041^{\circ} 07^{\prime} 39.2300 "$ Dist 160.00
Point 1004 N 1.719.905.63 E 2.132.767.91 Sta $11+60.00$
$=============================$
$==================$
Ending chain 140THST description

Chain IL192 contains:
CUR A0291430 CUR A
CUS A009200 CUR A869210 CUR A869220 CUR A869230 CUR A009210 CUR 123270 CUR A123260 A1231114
Beginning chain IL192 description

Curve A0291430 Curve Data $-{ }^{-\quad--{ }^{-}-*}$

Tangent $=183.91^{1}$
ength $=367.81^{1}$
Radius $=19.418 .23$

Long Chord $=367.81$
Mid. Ord. $=0.87$ !
P.C. Station $0+00.00$ N 1,725,071.43 E 2,119,943.71

Course from PT A0291430 to PC A009200 $180^{\circ} 41^{\prime}$ 29.2324" Dist 3,914.3
Curve Data

Curve A009200
P.I. Station $47+93.97$ N 1,720,277.87 E 2,119,882.37

Delta $=88^{\circ} 16^{16} 31.9727^{\prime \prime}($ (LT)
angent $=511.7$
ength $=812.61$
Radius $=527.43$
Length $=812.61$
Radius $=527.43$
External $=207.49^{\prime}$
Long Chord $=734.59^{\prime}$
Mid. Ord $=14391^{\prime}$
Mid. Ord. $=148.91^{1}$
$\begin{array}{llll}\text { P.C. Station } 42+82.18 & N 1,720,789.62 & E 2,119,888.5 \\ \text { p.T. Station } 50+94.79 & N \text {, } 1720,750\end{array}$

Course from PT A009200 to PC A869210 92ㅇ́ $24^{\prime} 57.25977^{\prime \prime}$ Dist 6,303.88'
$\begin{array}{llll}\text { Curve A869210 } \\ \text { P.I. Station } 117+74.65 \\ \text { N 1,719,974.72 } & \text { E 2,127,067.63 }\end{array}$
Delta $=3^{\circ} 45^{\prime} 31.1395^{\prime \prime}(R T)$
Degree $=0^{\circ} 30^{\prime} 00.10699^{\prime \prime}$
Degree $=0^{\circ} \quad 30^{\prime}, 0$.
Tangent $=375.98^{\prime}$
Length $=751.69^{\prime}$
Length $=751.69^{\prime}$
Radius $=11,458.48^{\prime}$
Radius $=11,458.48^{\prime}$
External $=6.17^{\prime}$
Long Chord $=751.55$
Mid. Ord. $=6.16$.
P.C. Station $113+989.67$ N 1,719,990.57 E 2,126,691.9

Course from PT A869210 to PC A869220 96º $10^{\prime}$ 28.3992" Dist 556.56'
Curve Data
Curve A869220
P. Station 130+03.15 N 1,719,842.56 E 2,128,289.27

Degree $=0^{\circ} 50^{\circ}{ }^{\circ} 00.146$
Tangent $=296.23^{\prime}$
Tangent $=296.233^{\prime}$
Length $=592.09^{\prime}$
$\begin{aligned} & \text { Radius }=6,875.16 \\ & \text { Externa }\end{aligned}=638^{\prime}$
External $=6.38^{\prime}$
Long Chord $=591$.


P.T. Station $132+99.01 \quad \mathrm{~N}$ 1,719,836.15
C.C. $N$ 1,726,709.69 E 2,128,734.24

Course from PT A869220 to PC A869230 91年14' $24.8321^{\prime \prime}$ Dist 10,369.42'

Curve A869230
$\begin{array}{lll}\text { Curve A869230 } \\ \text { P.I. Station } 242+87.85 & \mathrm{~N} 1,719,598.30 \quad \text { E 2,139,571.69 }\end{array}$
Delta $=0^{\circ} 46^{\prime} 18.4624^{\prime \prime}($ LLT
Degree $=0^{\circ} 03^{\prime} 44.2860 "$
Tangent $=619.41^{\circ}$
Length $=1,238.80^{\prime}$
Radius $=91,965.09^{\prime}$
Radius $=91,965.09^{\prime}$
External $=2.09^{\prime}$
Long Chord $=1,2388.79$
Mid. Ord. $=2.09$.
Mid. Ord. $=2.091$
P.C. Station $236+68.43$
P.C. Station 236+68.43 N 1,719,611.71 E 2,138,952.42
$\begin{array}{ccccc}\text { C.C. } N \text { N 1,811.555.26 } & \text { N 2,1419.942.25 } & \text { E 2,140,191.08 }\end{array}$
Course from PT A869230 to PC A009210 90 ${ }^{\circ} 28^{\prime} 06.3697{ }^{\prime \prime}$ Dist 12,965.37'
urve 4009210

1. Station $381+53.98 \quad N$ 1.719.484.93 E 2.153.437.37 Delta $=0^{\circ} 20^{\prime} 38.0977^{\prime \prime}$ (LTT)
Degree $=0^{\circ} 03^{\prime \prime} 40$
Tangent $=281.36^{\prime}$
Tangent $=26.36^{\circ}$
Length $=56.73^{\circ}$
ength $=562.73{ }^{\prime}$
Radius $=93,749.39$
xternal $=0.42^{\prime}$
External $=0.42$
Lhord $=562.73$
Mid. Ord. $=0.42^{\prime}$
$\begin{array}{llll}\text { P.C. Station } 378+72.61 & \mathrm{~N} 1,719,487.23 & \mathrm{E} 2,153,156.02\end{array}$

Course from PT A009210 to PC A123270 900 07' $28.2720^{\prime \prime}$ Dist 5, 103.22'
$\begin{array}{llll}\text { Curve A123270 } \\ \text { P.I. Station } 436+11.19 & \text { N 1,719,473.07 } & \text { E 2,158,894.57 }\end{array}$ Curve Data

Deta $=4^{\circ} 17^{17} 30.6254^{\prime \prime}$ (LTT)
Deare $=2^{\circ} 57^{\prime} 21.12677^{\prime \prime}$
Tangent $=72.63^{\prime}$
Length $=145.20^{\prime}$
Length $=145.20$
Radius $=1,938.37$
xternal $=1.36^{\prime}$
Long Chord $=145.16$
Mid. Ord. $=1.36^{\prime}$
$\begin{array}{llll}\text { P.C. Station } 435+38.55 & \text { N } 1,719,473.23 & \text { E } 2,158,821.9 \\ \text { T. Station } 436+83.75 & N \\ \text { N.719 }\end{array}$
T. Station $436+83.75$ N $1,719,478.35$ E $2,158,967.01$
C.C. N 1,721,411.60 E 2,158,826.15

Curve A123260

$$
\begin{gathered}
\text { Curve Data } \\
*_{*}-\ldots-.^{*}
\end{gathered}
$$

$\begin{array}{lll}\text { Curve A123260 } \\ \text { P. Station } & 440+59.01 & \mathrm{~N} 1,719,505.62 \quad \text { E } 2,159,341.28\end{array}$
Degree $=0^{\circ} 44^{\prime} 18.1383^{\prime \prime}$
Tangent $=375.26^{\prime}$
Length $=749.93^{\prime}$
Radius $=7,759.75^{\prime}$
External $=9.07{ }^{\prime}$
Long Chord $=749.64$
Mid. Ord. $=9.066^{\prime}$
P.C. Station $436+83.75$ N $1,719,478.35$ E 2, 158,967.0
$\begin{array}{lllll} \\ \text {.T. Station } 444+33.69 & \mathrm{~N} \\ \text { C. } 1,719,496.65 & \mathrm{~N} 1.711 .739 .12 & \mathrm{E} 2,159,716.43\end{array}$
Course from PT A123260 to A1231114 91。 $22^{\prime} 11.9260^{\prime \prime}$ Dist 9.554 .72
Point A1231114 N 1,719,268.21 E 2,169,268.42 Sta 539+88.40
Ending chain IL192 description

| HORIZONTAL CONTROL POINTS |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| POINT | NORTH | EAST | Elevation | CHAIN | Station | OFFSET | DESCRIPTION |
| 1 | 1719705.8133 | 2132798.5488 | 782.1277 | IL192 | $175+13.97$ | 39.1118' RT | TOPO SURVEY POINT, PK NAIL |
| 2 | 1719781.5232 | 2132716.5588 | 782.7701 | IL192 | $174+30.36$ | 34.8057' LT | TOPO SURVEY Point, PIN |
| RI48 | 1719792.9097 | 2131831.3943 | 780.4950 | IL192 | $165+45.15$ | 27.0307' LT | PERM. SURVEY MARKER, DISK |
| RI49 | 1719651.7452 | 2135360.1448 | 788.0600 | IL192 | 200+76.13 | 37.723' RT | PERM. SURVEY MARKER, DISK |
| RI094006 | 1719528.2998 | 2159144.7322 | 781.4516 | IL192 | $438+63.74$ | 38.9985' LT | PERM. SURVEY MARKER, DISK |


| BENCH MARKS |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| POINT | NORTH | EAST | ELEVATION | CHAIN | STATION | OFFSET | DESCRIPTION |  |
| 400 | 1719790.9739 | 2132967.9201 | 783.7159 | LL192 | $176+81.46$ | 49.6948 ' LT | CHISELED SQUARE, W SIDE OF SIGN BASE |  |


| REFERENCE TIES |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| POINT | NORTH | EAST | CHAIN | STATION | OFFSET | DESCRIPTION |
| 500 | 1719774.4333 | 2132697.6860 | IL192 | 174+11.64 | 27.309' LT | MANHOLE LID |
| 501 | 1719790.8918 | 2132729.7873 | IL192 | 174+43.38 | 44.4584' LT | MANHOLE LID |
| 502 | 1719792.8420 | 2132787.1104 | IL192 | $175+00.65$ | 47.6489' LT | CATCH BASİ PEREMITER, CORNER |
| 503 | 1719692.3455 | 2132816.7790 | IL192 | 175+32.48 | 52.1819' RT | COMMERCIAL BUILDING |
| 504 | 1719709.5698 | 2132789.7386 | IL192 | 175+05.08 | 35.5469' RT | MANHOLE LID |
| 505 | 1719710.7076 | 2132814.0328 | IL192 | 175+29.34 | 33.8835' RT | manhole Lid |


| APPARENT PROPERTY CORNERS |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| POINT | NORTH | EAST | ELEVATION | CHAIN | STATION | OFFSET | DESCRIPTION |  |
| 700 | 1719686.8111 | 2132725.0529 | 784.1040 | LL192 | $174+40.90$ | $59.7004 \cdot$ RT | PROPERTY CORNER, PIN |  |










## SYMBOLS

$\triangleleft$ ONE-wAY CRYSTAL MARKER

- two-way amber marker


1.5" Radius, 1.0" Border, White on, Green;
"IL 92", D 2K 50\% spacing; "3", D 2K;
"ILLINOIS", D 2K 50\% spacing;
"CITY", D 2K; "8", D 2K;
Table of widths and spaces

1.5" Radius, 1.0" Border, White on, Green;
"TAYLOR RIDGE", D 2K 50\% spacing;
"5", D 2K; "US 67", D 2K; "8", D 2K;
Table of widths and spaces

$\square$





## EDGE OF PAVEMENT REPAIR

proposed hot-mix asphalt surface course


## INLETS, SPECIAL, NO. 5



INLETS, SPECIAL, NO. 5

## INLETS, SPECIAL, NO. 6



## NOSE TYPE FOR INLET TOP SLAB




## SAFETY EDGE (3P PROJECTS )



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


MILLING: WITH ADJACENT SHOULDER FLUSH WITH OR HIGHER THAN MILLED SURFACE
notes : THE device which forms the safety edge shal BE MOUNTED ON THE PAVER SCREED AGAINST THE 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.
REVIIED - 1.05 -.16
(1) PRIOR to the placement of the hma safety EDGE, IF THE ADJACENT AGGREGATE OR EARTH
SHOUDER IS HIGHER THAN THE MHED SUREACE, THE AREA REQUIRED FOR PLACEMENT OF THE SAFETY EDGE SHALL be brought flush with THE MILLED SURFACE IN A MANNER APPROVED bY the engineer. this work shall be considered INCLUDED IN THE CONTRACT UNIT PRICE PER TON EOR HOT-MIX AS

## WORK ZONE SIGN DETAILS



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

ILLINOIS STANDARD W8-I107


| SIGN SIZE | SERIES BY LINE |  |  | MARGIN | BORDER |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1 | 2 | 3 |  |  |
| $48 \times 48$ | $7 c$ | $7 c$ | $7 c$ | 1.250 | 0.750 |

Sign not to scale

|  | Usen lane = otered | DESIINED | REVISED - ${ }^{\text {3.02-16 }}$ |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | ${ }^{\text {ReVISED }}$ | STATE OF ILLINOIS <br> DEPARTMENT OF TRANSPORTATION |
|  | Plot date |  |  |  |

## WORK ZONE SIGN DETAILS


GENERAL NOTES

$$
\begin{aligned}
& \text { All work to furnish and install these signs st } \\
& \text { included in the cost of the specified traffic }
\end{aligned}
$$

$$
\begin{aligned}
& \text { included in the cost of the specified traffic } \\
& \text { control standards and shall not be paid separately. }
\end{aligned}
$$

All Illinois Standard signs shall conform to the latest
edition of the "Illinois Standard Highway Signs Book" edition of the "Illinois Standard Highway Sig
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.


BLACK
FL
NON-REFLECTORIZED
REFLECTORIZED
(1) Illinois Standard signs w12-1102 and w12-I103 shall be

| SIGN SIZE | SERIES BY LINE | MARGIN | BORDER |
| :---: | :---: | :---: | :---: |
|  | 1 |  |  |
| $48 \times 48$ | $12 C$ | 0.750 | 1.250 |



## MAX WIDTH

 XX' - XX' X MILES AHEADLEGEND AND BORDER BACKGROUND (WIDTH)

| SIGN SIZE | DIMENSIONS |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | A | B | C | D | E | F | G | H | J | K | L | M |
| $48 \times 48$ | 48.00 | 3.00 | 38.40 | 13.20 | 19.20 | 32.00 | 22.00 | 26.20 | 12.00 | 24.00 | 10.00 | 11.00 |

## WORK ZONE SIGN DETAILS

## NO OVERSIZE OVERWEIGHT LOADS XX MILES AHEAD

Permit Loads- Loads Over 13 Feet; 3.0" Radius, 1.3" Border:
[NO OVERSIZE-1 D.
Table of letter and object lefts.

| 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 |



GENERAL NOTES
All work to furnish and install these signs shall be
incluted in the cost of the specified traffic
control stand 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" edition of the "Illinois Standard Highway Sig
in effect on the date of invitation for bids.
Signs shall meet the applicable portions of Sections 70
and 720 of the Standard Specifications.
All dimensions are in inches unless otherwise noted
$\square$



## TYPICAL PAVEMENT MARKINGS

MEDIAN PAVEMENT MARKING
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE


TYPICAL ISLAND OFFSET SHOULDER WIDTH




## TYPICAL PAVEMENT MARKINGS



* REDUCE TO 40' O.C. ON CURVES WHERE ADVISORY SPEEDS ARE

ADT $\geq 20,000$
*** 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)

