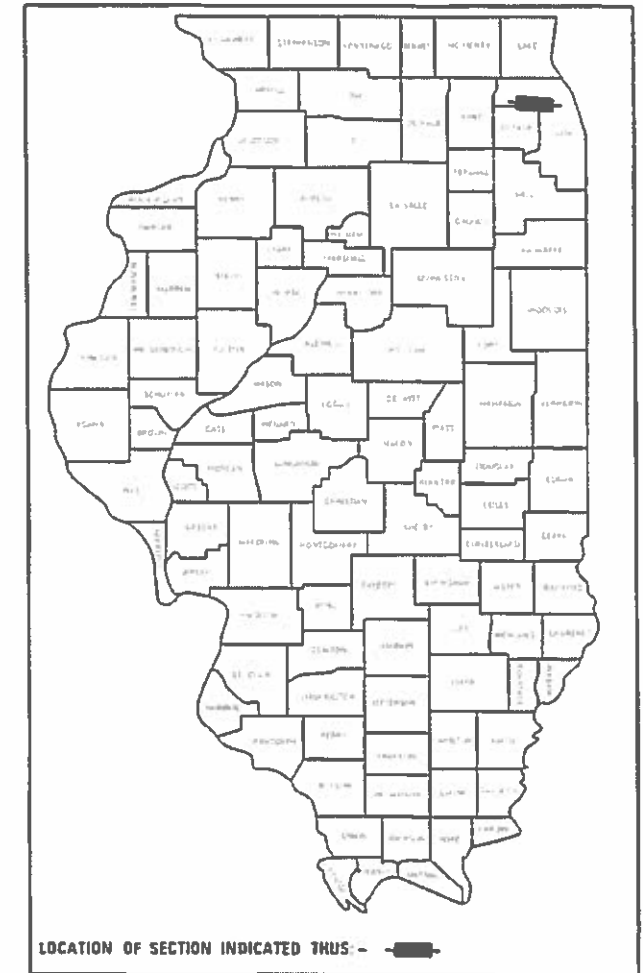


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| FAI ROUTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------|------------|-----------------|--------------|-----------|
| 290 | 2019-164-1 | COOK AND DUPAGE | 5 | 1 |

COOK AND DUPAGE

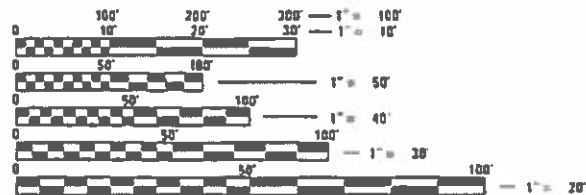
D-91-330-20



FOR INDEX OF SHEETS, SEE SHEET NO.

PROPOSED HIGHWAY PLANS

FAI ROUTE 290: I-290 & I-290 EXTENSION
 IL 83 (KINGERY HWY) TO AUSTIN BLVD
 SECTION: 2019-164-1
 EXPRESSWAY HIGHWAY CLEANING (LITTER/DEBRIS REMOVAL)
 COUNTIES: COOK AND DUPAGE
 C-91-130-20



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

LOCATION MAP - SEE INDEX OF SHEETS

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUBMITTED ~~November 25, 2019~~ *Jan 31, 2020*

Anthony A. Dwyer / 093 REGIONAL ENGINEER

[Signature] cc *[Signature]* ETC
 ENGINEER OF DESIGN AND ENVIRONMENT

[Signature] *Jan 31, 2020*
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PROJECT ENGINEER: J. ALAIN MIDY (847) 221-3056
 PROJECT MANAGER: FAWAD AQUEEL (847) 705-4247

GROSS LENGTH = 145,728 FT. = 27.6 MILE
 NET LENGTH = 145,728 FT. = 27.6 MILE

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

CONTRACT NO. 62K37

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|------------|--------|--------------|-----------|
| 290 | 2019-164-I | * | 5 | 2 |

| | |
|---------------------|---------------------------|
| STA. | TO STA. |
| FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT |

* COOK AND DuPAGE

INDEX OF SHEETS

1. TITLE SHEET
2. INDEX OF SHEETS
APPLICABLE STATE STANDARDS
3. SUMMARY OF QUANTITIES
SCHEDULE OF CLEANING STARTING DATES
4. EXPRESSWAY CLEANING: I-290 & I-290 EXTENSION
5. TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES
AND PARTIAL RAMP CLOSURES (TC-17)

STATE STANDARDS

- 701101-05 OFF-ROAD OPERATION MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
- 701106-02 OFF-ROAD OPERATION MULTILANE, MORE THAN 15' AWAY
- 701428-01 TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
- 701901-08 TRAFFIC CONTROL DEVICES

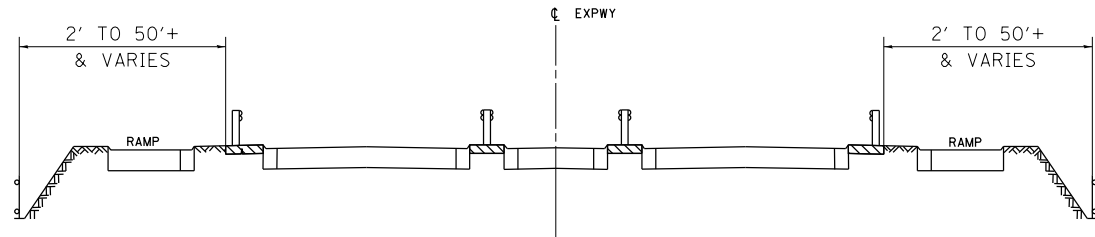
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 PLOT SCALE = 1/8" = 100'
 USER NAME = roshup

| REVISIONS | | ILLINOIS DEPARTMENT OF TRANSPORTATION |
|-----------|------|---------------------------------------|
| NAME | DATE | |
| | | INDEX OF SHEETS AND STATE STANDARDS |
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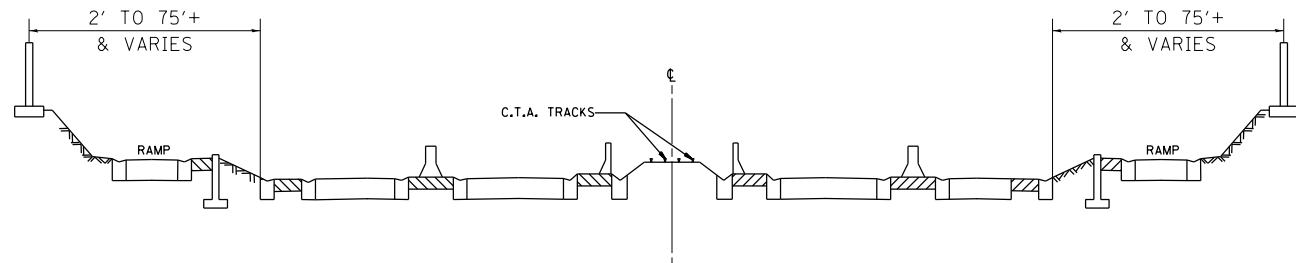
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 DATE _____ HORIZ. _____
 DRAWN BY _____
 CHECKED BY _____

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------|------------|------------------|--------------|-----------|
| 290 | 2019-164-I | * | 5 | 3 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

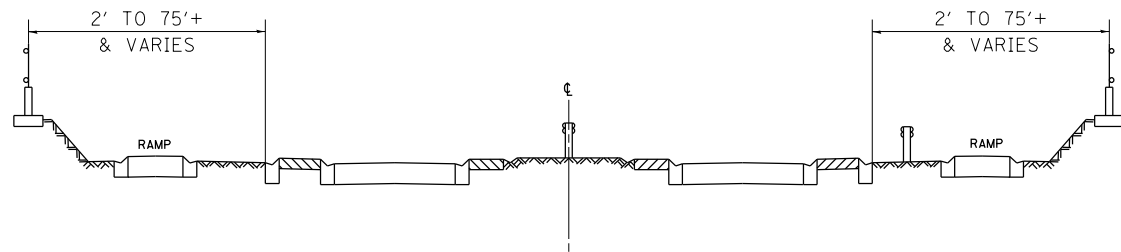
* COOK AND DUPAGE



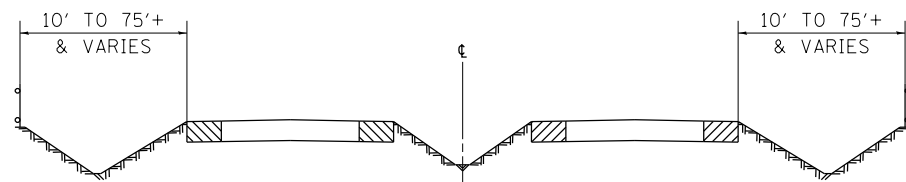
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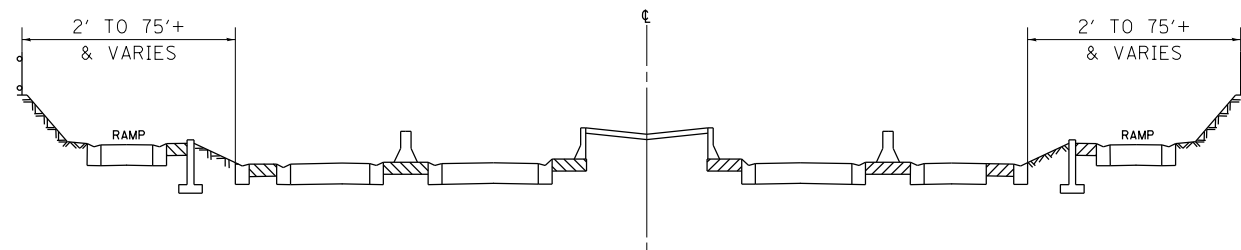
TYPICAL EXPRESSWAY CROSS-SECTION NO. 2



TYPICAL EXPRESSWAY CROSS-SECTION NO. 3



TYPICAL EXPRESSWAY CROSS-SECTION NO. 4



TYPICAL EXPRESSWAY CROSS-SECTION NO. 5

NOTES:

- SCHEDULE MAY VARY AS DIRECTED BY THE ENGINEER.
- NO WORK WILL BE ALLOWED DURING ANY LEGAL HOLIDAY PERIOD.
- ALL SCHEDULES OF ANTICIPATED STARTING DATES SHOWN ARE TENTATIVE AS DETERMINED BY THE DEPARTMENT'S OPERATIONAL NEEDS.
- NO DAILY CONTRACTOR WORK REQUESTS/ SCHEDULING SHALL BE AUTHORIZED OR APPROVED TO START WHEN IT IS DETERMINED BY THE ENGINEER THAT WEATHER CONDITIONS WILL BE UNFAVORABLE. APPROVAL OF ALL DAILY CONTRACTOR WORK SCHEDULE REQUEST SHALL BE SOLELY DETERMINED BY THE ENGINEER AND OR PROJECT SUPERVISOR.
- ALL SHOULDER CLOSURES SHALL BE IMMEDIATELY REMOVED DURING ALL ADVERSE WEATHER CONDITIONS **WITHOUT EXCEPTION**, INCLUDING BUT NOT LIMITED TO RAIN, WET ROAD SURFACE (SPRAY FROM TIRES), MIST, DRIZZLE, SLEET, SNOW, FOG AND ANY OTHER CIRCUMSTANCE DETERMINED UNSAFE BY THE ENGINEER. **THE CONTRACTOR SHALL IMPLEMENT THIS CONTRACT REQUIREMENT IMMEDIATELY WITHOUT WAITING FOR DEPARTMENT INSTRUCTIONS.**
- NO WORK WILL BE ALLOWED ON THE FOLLOWING DATES UNLESS IT IS CONSIDERED AN EMERGENCY, IMMEDIATE HAZARD OR ANY WORK AS DESIGNATED BY THE DEPARTMENT THAT REQUIRES FIRST PRIORITY CORRECTIVE ACTION:

2020: APRIL 10 - APRIL 13
 MAY 22 - MAY 26
 JULY 2 - JULY 6
 SEPTEMBER 4 - SEPTEMBER 8
 NOVEMBER 23 - DECEMBER 1
 DECEMBER 23 - JANUARY 1/2021

EASTER HOLIDAY
 MEMORIAL DAY HOLIDAY
 INDEPENDENCE DAY HOLIDAY
 LABOR DAY HOLIDAY
 THANKSGIVING HOLIDAY
 CHRISTMAS/NEW YEAR'S HOLIDAY

SUMMARY OF QUANTITIES

| CODE NO. | ITEM | UNIT | TOTAL QUANTITIES | COOK | DUPAGE |
|----------|----------------|------|------------------|-----------------------------|-----------------------------|
| | | | | 100 % STATE 0044 EXPRESSWAY | 100 % STATE 0044 EXPRESSWAY |
| X0326643 | LITTER PICKING | MILE | 135 | 108 | 27 |

| REVISIONS | |
|-----------|------|
| NAME | DATE |
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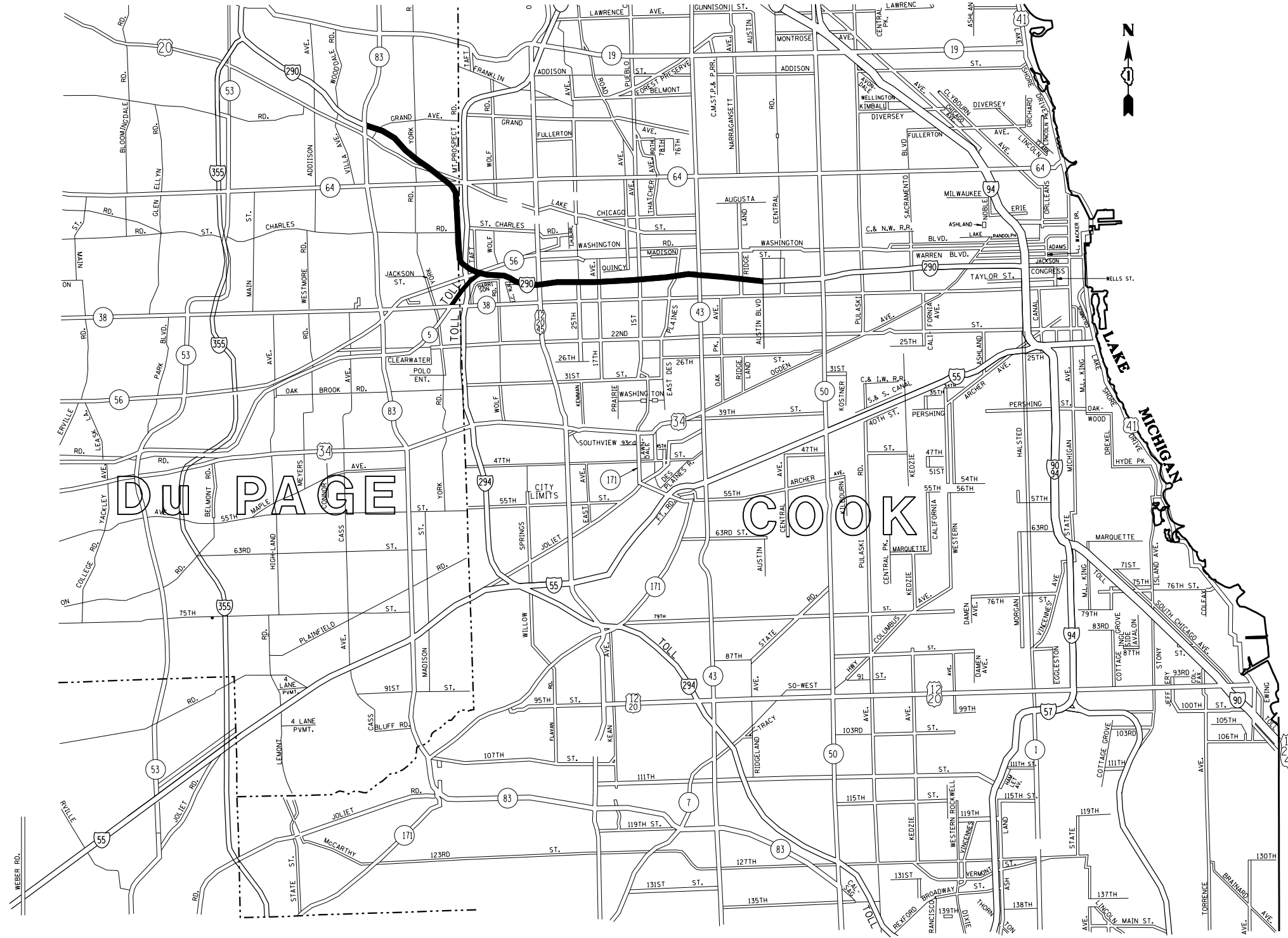
ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUMMARY OF QUANTITIES
 AND
 SCHEDULE OF STARTING DATES

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 DATE / DRAWN BY / CHECKED BY

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 PLOT SCALE = 1/8"=1'-0"
 USER NAME = roshup

| | | | | |
|---------------------|------------|------------------|--------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 290 | 2019-164-I | * | 5 | 4 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

* COOK AND DUPAGE



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 PLOT SCALE = 1/85,8824 / in.
 USER NAME = roshup

| REVISIONS | |
|-----------|------|
| NAME | DATE |
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ILLINOIS DEPARTMENT OF TRANSPORTATION

EXPRESSWAY CLEANING LITTER/ DEBRIS
REMOVAL
I-290 & I-290 EXTENSION

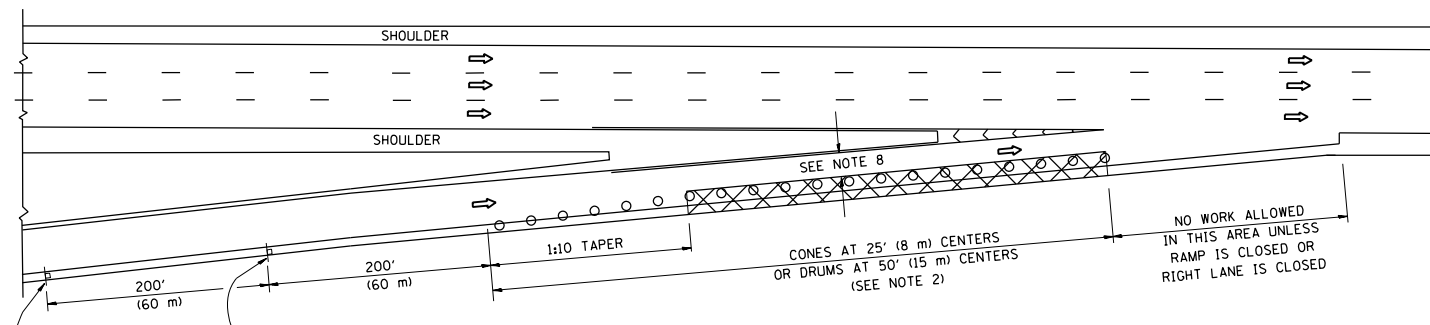
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HORIZ.

DATE

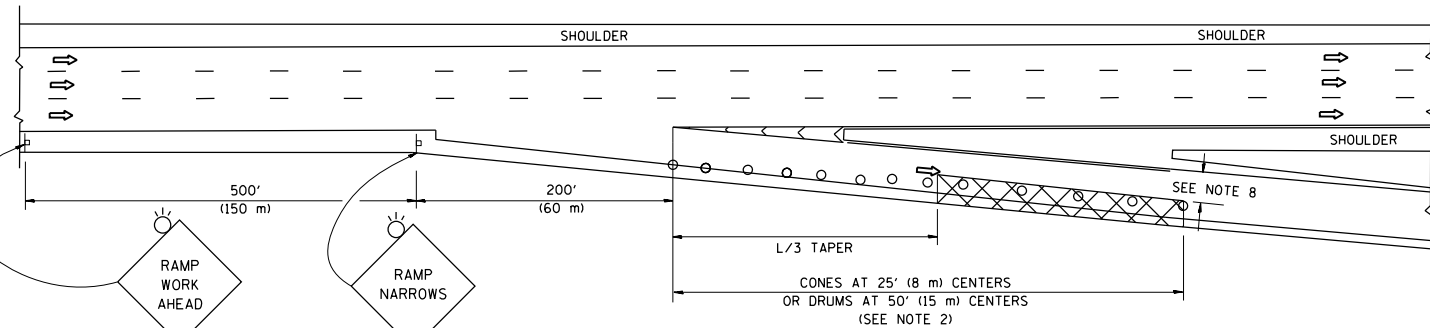
DRAWN BY
CHECKED BY

PARTIAL RAMP CLOSURE DETAILS

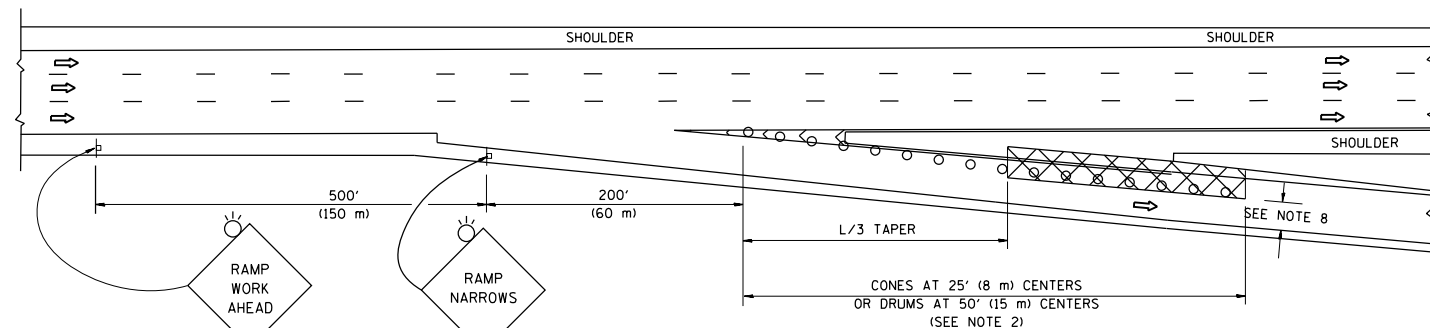
SHOULDER CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

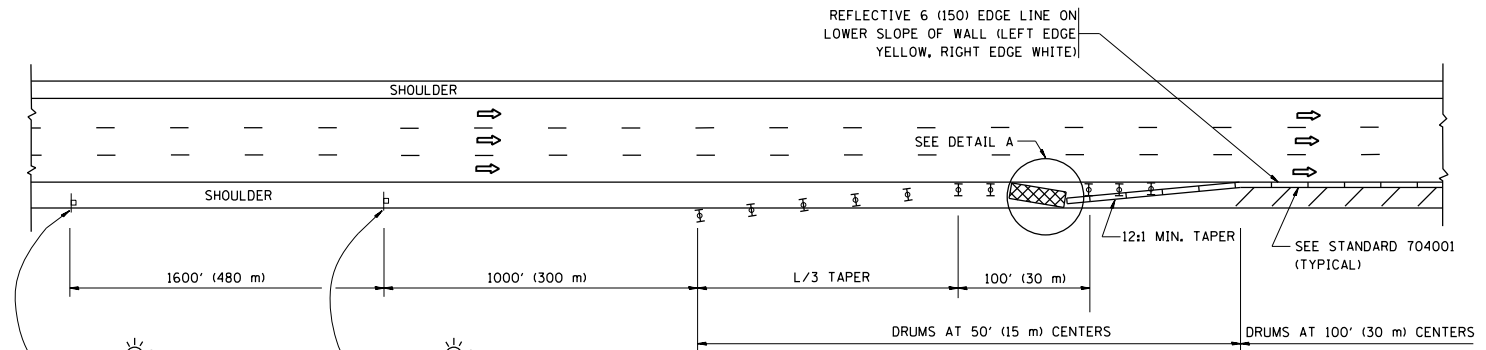
SYMBOLS

- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

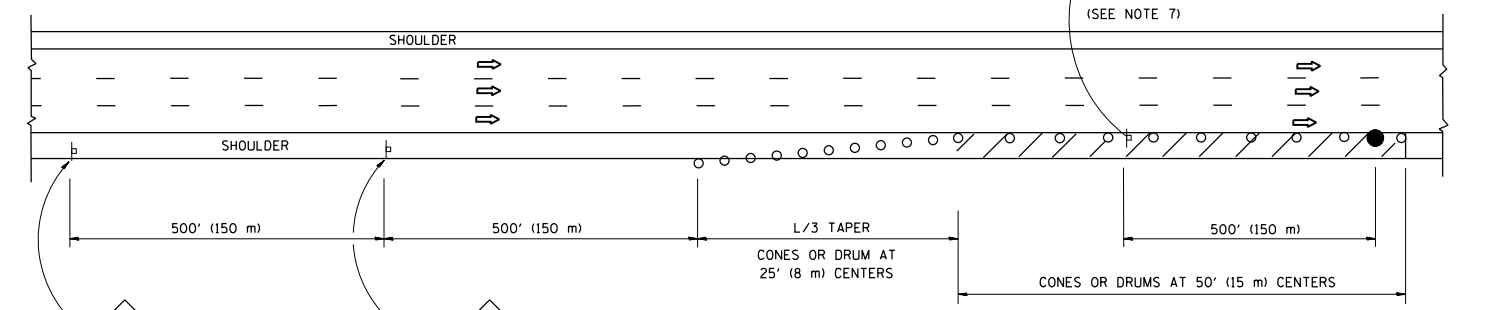
GENERAL NOTES

1. THE "L" DISTANCE EQUALS:

| | |
|--|---|
| SPEED LIMIT | FORMULAS |
| 45 mph (80 km/h) OR GREATER: | METRIC ENGLISH L=0.65(W)(S) L=(W)(S) |
| W = WIDTH OF OFFSET IN FEET (METERS) S = NORMAL POSTED SPEED MPH (KM/H) | |
2. TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

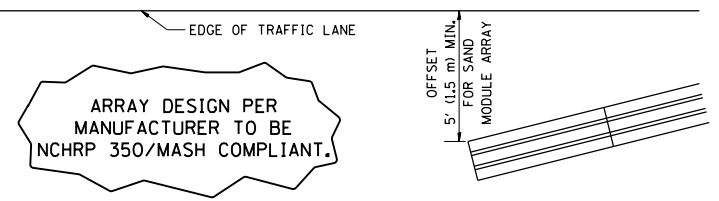


PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:
1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCRANCH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - b. THE WORK ACTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
8. 12' MIN. WIDTH TANGENT SECTION
16' MIN. WIDTH CURVE SECTION.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
*COOK, DU PAGE