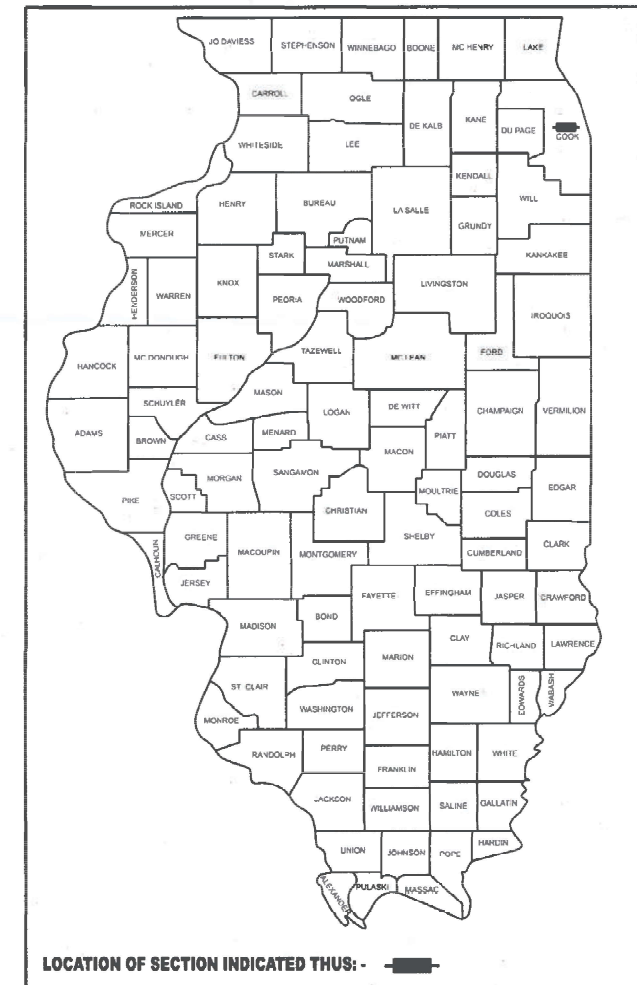


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2024-994-I	COOK	6	1
		ILLINOIS	CONTRACT NO. 62W28	

D-91-107-24



FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROPOSED
HIGHWAY PLANS

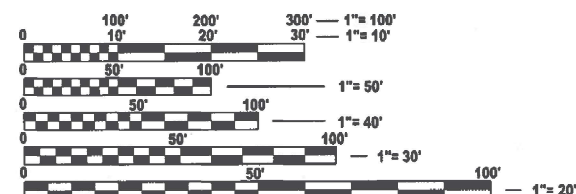
FAI ROUTE 290: I-290 (EISENHOWER) FROM WELLS ST TO MANNHEIM RD

SECTION: 2024-994-I

GRAFFITI REMOVAL

COOK COUNTY

C-91-121-24



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

PROJECT ENGINEER: RODRIGO LEDEZMA (847) 705-4580
PROJECT MANAGER: J. ALAIN MIDY (847) 221-3056

CONTRACT NO. 62W28

SEE SHEETS 4 THROUGH
5 FOR LOCATION MAPS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED July 10th 2024
Joe R. [Signature] REGIONAL ENGINEER

August 16, 2024
[Signature] ENGINEER OF DESIGN AND ENVIRONMENT

August 16, 2024
[Signature] DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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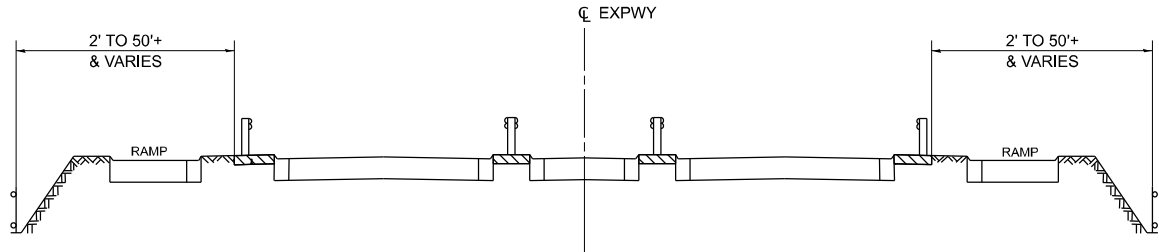
INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	INDEX OF SHEETS, APPLICABLE STATE STANDARDS
3	SUMMARY OF QUANTITIES, GENERAL NOTES, TYPICAL SECTIONS
4	EXPRESSWAY GRAFFITI CLEANING, I-290 (EISENHOWER)
5	GRAFFITI REMOVAL RETAINING WALL ADJACENT TO CSX RAILROAD TRACKS
6	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES (TC-17)

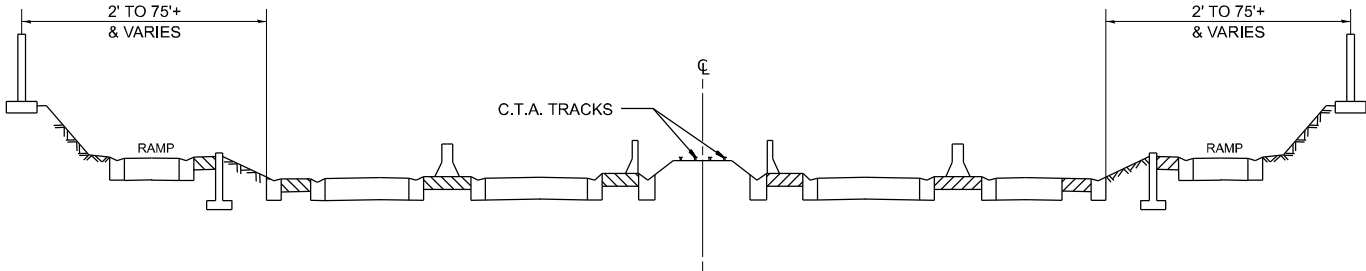
STATE STANDARDS

STANDARD NO.	DESCRIPTION
701106-02	OFF-ROAD OPERATION MULTILANE, MORE THAN 15' AWAY
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS > 45 MPH
701901-09	TRAFFIC CONTROL DEVICES

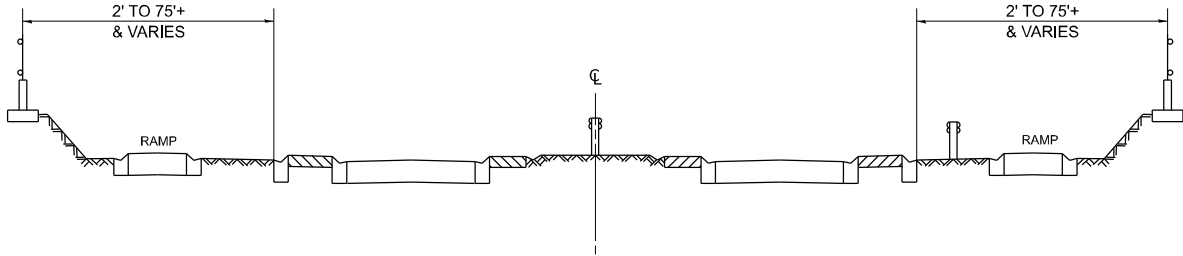
	USER NAME = jacob.ejmont	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS APPLICABLE STATE STANDARDS			F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					290	2024-994-1	COOK	6	2
	PLOT SCALE = 0.16666633' / in.	CHECKED -	REVISED -					CONTRACT NO. 62W28				
	PLOT DATE = 7/10/2024	DATE -	REVISED -		SCALE: NONE	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	



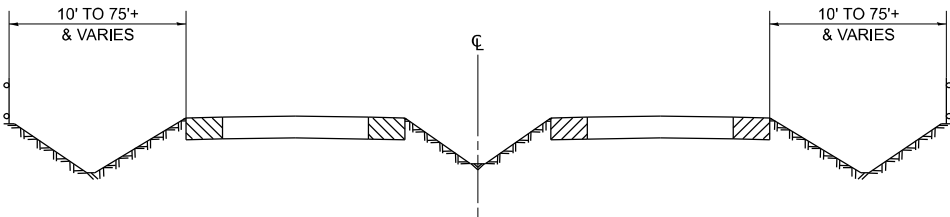
TYPICAL EXPRESSWAY CROSS-SECTION NO. 1



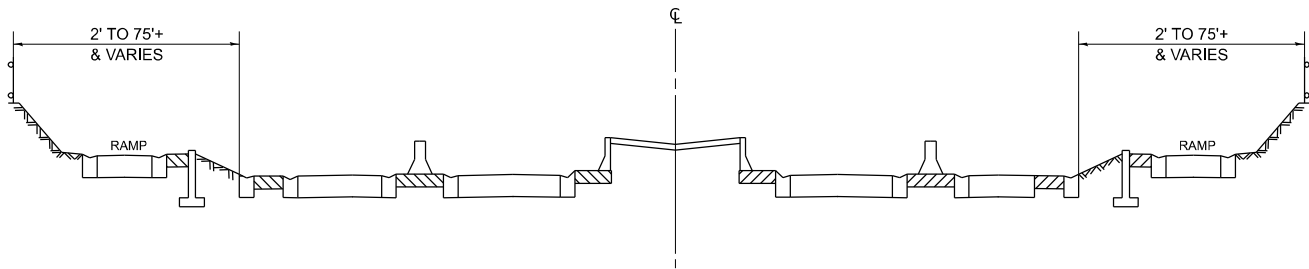
TYPICAL EXPRESSWAY CROSS-SECTION NO. 2



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.
- ALL SCHEDULES OF ANTICIPATED STARTING DATES SHOWN ARE TENTATIVE AS DETERMINED BY THE DEPARTMENT'S OPERATIONAL NEEDS.
- NO DAILY CONTRACTOR GRAFFITI REMOVAL 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:

EASTER HOLIDAY
MEMORIAL DAY HOLIDAY
INDEPENDENCE DAY HOLIDAY
LABOR DAY HOLIDAY
THANKSGIVING HOLIDAY
CHRISTMAS EVE / NEW YEARS HOLIDAY
- SOME LOCATIONS MAY REQUIRE WORK TO BE PERFORMED WITHIN RAILROAD RIGHT OF WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF RAILROAD FLAGGING SERVICES, PRELIMINARY ENGINEERING, CONSTRUCTION ENGINEERING, AND FIELD INSPECTION. THIS WORK SHALL BE PAID IN ACCORDANCE WITH ARTICLE 109.04 AND 109.05 OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL PAY ALL COSTS FOR REQUIRED PERMITS TO OBTAIN PERMISSION FOR RIGHT OF ENTRY ON THE RAILROAD RIGHT OF WAY. THE COSTS FOR SUCH PERMITS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED AS PART OF THE CONTRACT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING RAILROAD PROTECTIVE PUBLIC LIABILITY AND PROPERTY DAMAGE LIABILITY INSURANCE IN ACCORDANCE WITH ARTICLES 107.11 AND 107.12 OF THE STANDARD SPECIFICATIONS. IT IS TO BE CARRIED THROUGHOUT THE TERM OF CONTRACT.

SUMMARY OF QUANTITIES

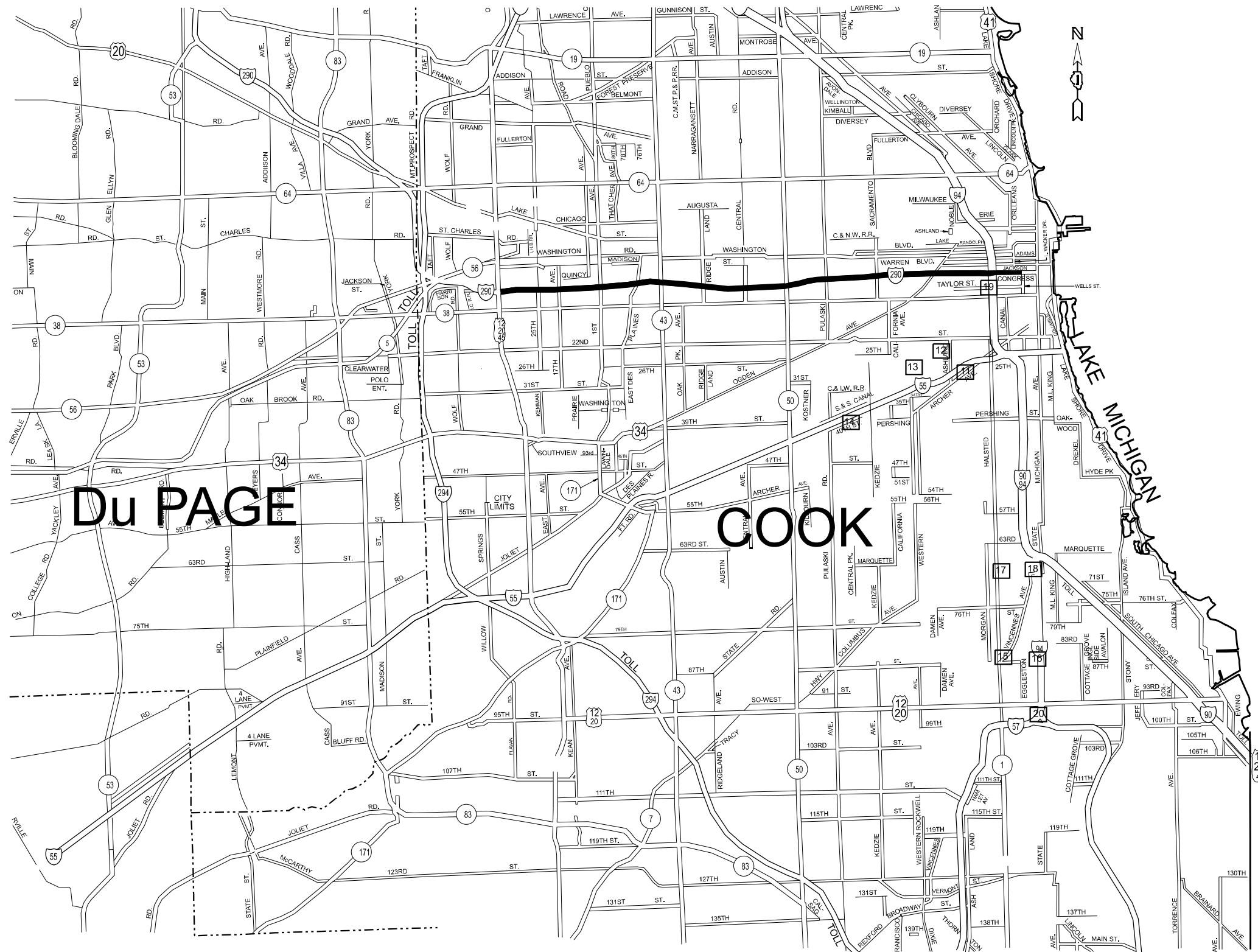
CODE NO.	ITEM	UNIT	URBAN	100 % STATE
			TOTAL QUANTITIES	EXPRESSWAY
X0300062	GRAFFITI REMOVAL	SQ YD	35000	35000
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	LUMP SUM	1	1

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES, GENERAL NOTES,
TYPICAL SECTIONS

SCALE: SHEET OF 1 SHEETS STA. TO STA.

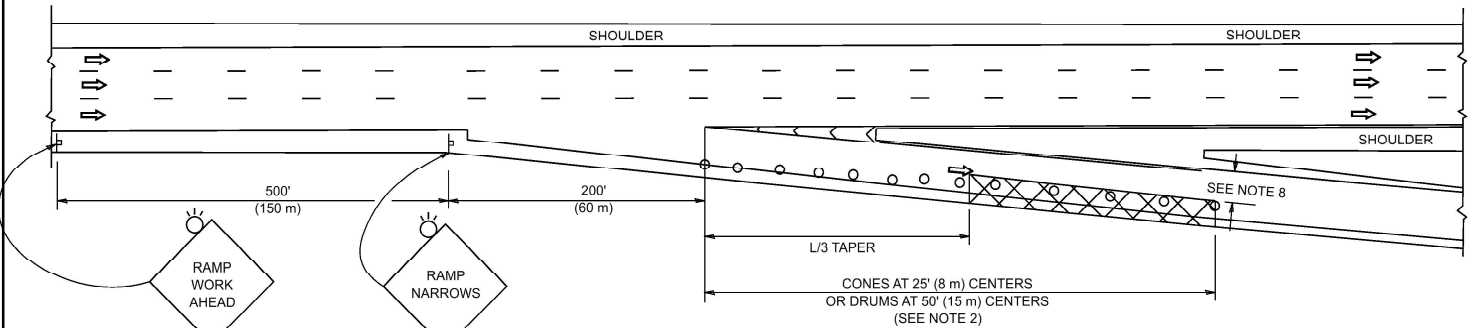
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2024-994-I	COOK	6	3
CONTRACT NO. 62W28				
ILLINOIS FED. AID PROJECT				



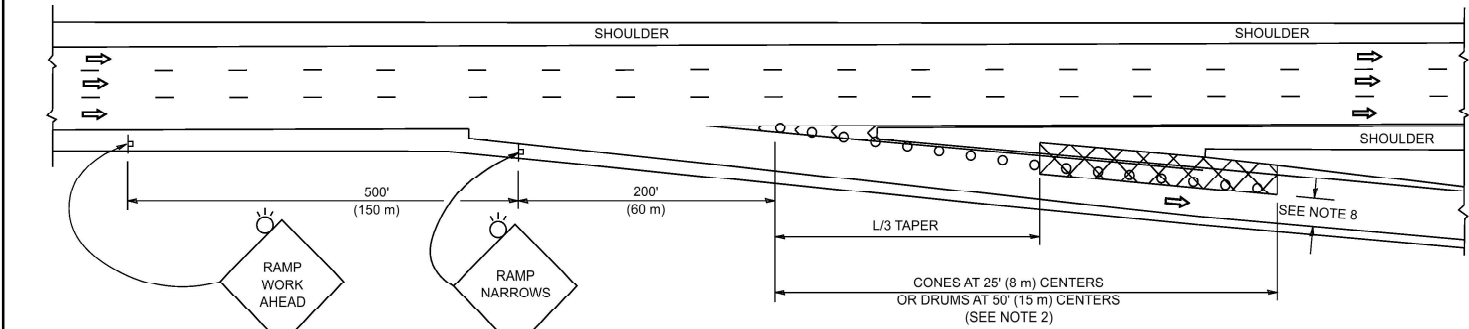
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Diagram illustrating a closed ramp construction area. The diagram shows a multi-lane highway with a closed ramp section. Traffic flow is indicated by arrows. Key dimensions and features include:

- SHOULDER** (Shoulder) labels on both sides of the closed area.
- 200' (60 m)** dimensions for the initial taper sections.
- 1:10 TAPER** label for the slope of the closed area.
- CONES AT 25' (8 m) CENTERS OR DRUMS AT 50' (15 m) CENTERS (SEE NOTE 2)** label for the spacing of safety equipment.
- SEE NOTE 8** label pointing to a specific feature.
- NO WORK ALLOWED IN THIS AREA UNLESS RAMP IS CLOSED OR RIGHT LANE IS CLOSED** label indicating the restriction.



W5-4-48



SYMBOLS

 ACTIVE WORK AREA

ACTIVE WORK AREA

SIGN ON PORTABLE OR PERMANENT SUPPORT

FLAGGER WITH CONTROL SIGN

TYPE II BARRICADE OR DRUM

CONE, DRUM OR BARRICADE

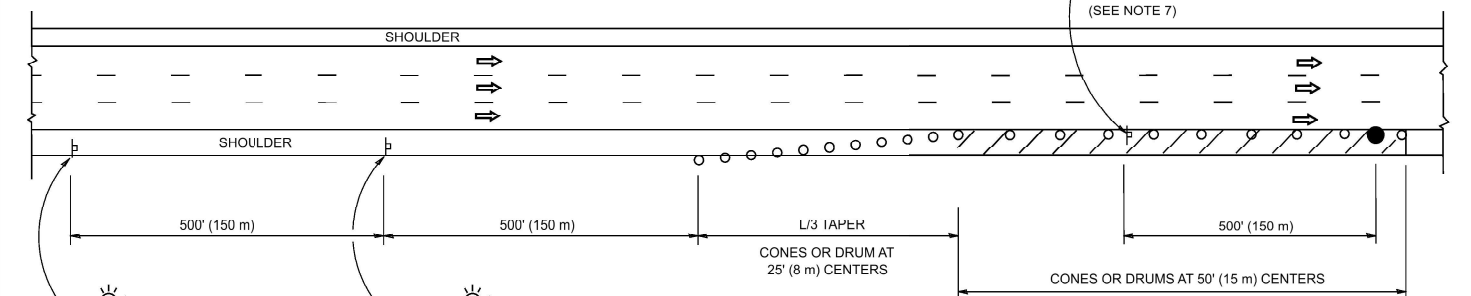
IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

1. THE "L" DISTANCE EQUALS:

<u>SPEED LIMIT</u>	<u>FORMULAS</u>	
45 mph (80 km/h)	METRIC	ENGLISH
OR GREATER:	$L = 0.65(W)(S)$	$L = (W)(S)$
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 DEFINING 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.

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 FI AGGFR AND FI AGGFR SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANE 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.

Diagram illustrating the plan view of a 16' (4.88 m) wide shoulder. The shoulder is divided into two sections: a 1000' (300 m) section and a 1600' (480 m) section. The 1000' section features a 12:1 minimum taper and a drainage ditch with drums at 50' (15 m) centers. The 1600' section features a drainage ditch with drums at 100' (30 m) centers. The diagram also shows the shoulder width, the location of the drainage ditch, and the location of the drums. A detail callout 'SEE DETAIL A' points to the drainage ditch. A note 'LOWER SLOPE UP WALE (LEFT EDGE YELLOW, RIGHT EDGE WHITE)' is present. A reference 'SEE STANDARD 704001 (TYPICAL)' is also included.



THIS DETAIL IS USED WHERE:

1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES

EDGE OF TRAFFIC LANE

ARRAY DESIGN PER
MANUFACTURER TO BE
NCHRP 350/MASH COMPLIANT.

OFFSET
5' (1.5 m) MIN.
FOR SAND
MODULE ARRAY

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