

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 BJ	DUPAGE	35	1
			ILLINOIS	CONTRACT NO. 62T96

* 35 + 6 = 41 TOTAL SHEETS
** 41 + 1 = 42 TOTAL SHEETS

FOR INDEX OF SHEETS, SEE SHEET NO. 2

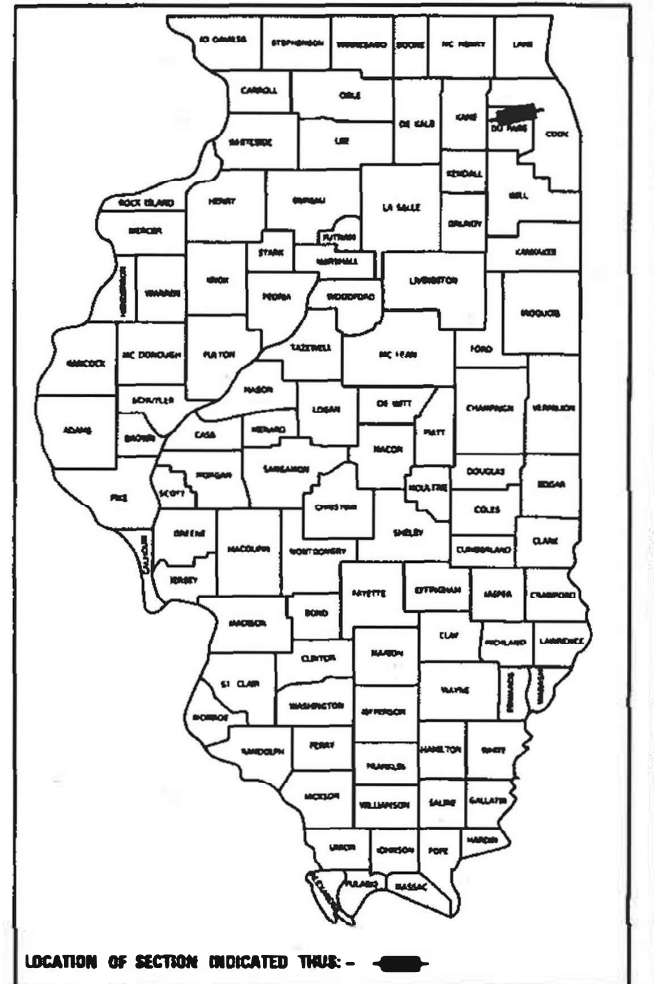
PROPOSED
HIGHWAY PLANS

FAI ROUTE 290 (I-290)
SECTION FAI 290 22 BJ
BRIDGE JOINT REPAIR (SN: 022-0094)
DUPAGE COUNTY

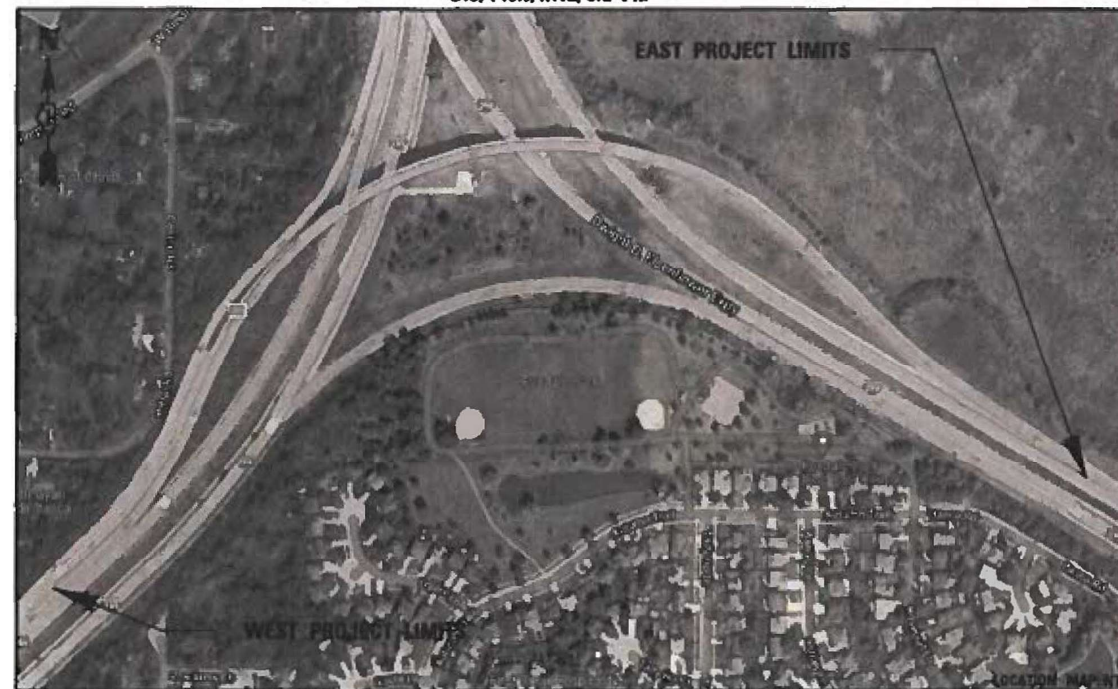
C-91-319-22

S18, T40N, R11E, 3rd PM

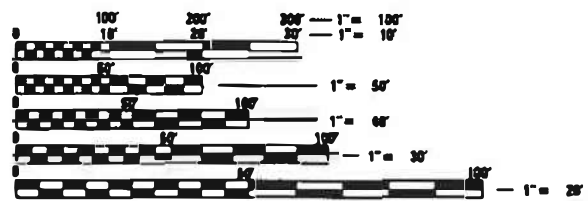
THE PROJECT IS LOCATED IN THE VILLAGE OF ADDISON D-91-265-22



FUNCTIONAL CLASS: INTERSTATE
DESIGN SPEED: 55 MPH
POSTED SPEED: 55 MPH
ADT: 23,100
HV %: 8.75%



GROSS/NET LENGTH = 4,026 FT. = 0.76 MILE



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 EXCAVATORS
1-800-892-0123
OR 811

PROJECT ENGINEER: PRAVEEN KAINI, P.E. 847-705-4237
PROJECT MANAGER: J. ALAIN MIDY, P.E. 847-221-3056

CONTRACT NO. 62T96

Tylin
200 S. WACKER DR. SUITE 1400
CHICAGO, IL 60606
TEL: 312-777-2900

MARK P. GORMEY
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS
No. 062-058709
Expires: 11/30/2023
Date: 10/21/2022
For Sheets: 1-14

STEPHEN J. LONG
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS
No. 081-008088
Expires: 11/30/2024
Date: 10/21/2022
For Sheets: 15-35

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED October 26, 2022

Jose Rios REGIONAL ENGINEER
December 9, 2022

SAE. ETS
ENGINEER OF DESIGN AND ENVIRONMENT
December 9, 2022

Stephen M. Smith
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

REVISED SHEET 1/6/2023

GENERAL NOTES:

1. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH THE VILLAGE OF ADDISON.
2. THE CONTRACTOR SHALL MAINTAIN ALL ROADWAYS OPEN TO TRAFFIC AS SHOWN ON THE MAINTENANCE OF TRAFFIC PLANS.
3. ANY ITEM NOT CALLED FOR REMOVAL AND DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION WILL BE REPLACED BY THE CONTRACTOR AT THE CONTRACTORS EXPENSE.
4. NIGHT OPERATIONS: IF CONTRACTOR ELECTS TO UTILIZE ARTIFICIAL LIGHTING IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTION IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AS WELL AS THE ADJOINING RESIDENTIAL AREAS.
5. THE ENGINEER SHALL CONTACT THE IDOT TRAFFIC CONTROL SUPERVISOR MICHAEL PALELLO AT MICHAEL.PALELLO@ILLINOIS.GOV A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES WITHIN IDOT JURISDICTION.
6. TWO WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS, THE ENGINEER SHALL CONTACT TRAFFIC FIELD TECHNICIAN AT 847-705-4153.
7. THE SCALE SHOWN ON THE DRAWINGS APPLIES ONLY TO FULL SIZE PLANS AND NOT TO THE REDUCED SIZE PLANS.
8. DIMENSIONS: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
9. THE CONTRACTOR SHALL MAINTAIN THE SURFACE DRAINAGE OF ALL ROADWAYS DURING CONSTRUCTION OF THIS PROJECT. ANY APPURTENANCES NECESSARY TO MAINTAIN DRAINAGE SHALL NOT BE OPAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
10. THE CONTRACTOR SHALL TAKE ALL NECESSARY SAFETY PRECAUTIONS TO PROTECT AND PROVIDE ACCESS TO ADJUTING PROPERTY, UTILITIES, PEDESTRIANS, AND VEHICULAR TRAFFIC.
11. POLLUTION CONTROL: THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH ALL FEDERAL AND STATE REGULATIONS REGARDING AIR, WATER, AND NOISE POLLUTION. THE CONTRACTOR WILL NOT BE ALLOWED TO BUILD FIRES IN THE SITE.
12. DURING CONSTRUCTION OPERATIONS THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT ADJACENT TRAVEL LANES FROM DEBRIS BLOWN OR OTHERWISE REMOVED FROM THE CONSTRUCTION AREAS. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR KEEPING DEBRIS OFF THE TRAVELED LANE SURFACES. THIS WORK SHALL BE INCIDENTAL TO THE CONTRACT.
13. THE CONTRACTOR'S OPERATIONS AND TEMPORARY STORAGE ACTIVITIES SHALL BE LIMITED TO THE WORK AREA AND/OR CONSTRUCTION LIMITS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR FOR COMPLIANCE WITH THIS REQUIREMENT. THE CONTRACTOR MUST GET ADVANCED APPROVAL FOR A STAGING AREA WITH ACCESS LOCATIONS CLEARLY DEFINED.
14. THE CONTRACTOR IS REQUIRED TO OBTAIN ALL NECESSARY PERMITS AND WRITTEN AUTHORIZATION FROM ALL GOVERNING AGENCIES FOR CONSTRUCTION ABOVE, ADJACENT TO AND ON ROADWAYS UNDER THEIR JURISDICTION.
15. THE CONTRACTOR'S PERSONNEL AND EQUIPMENT SHALL ONLY BE PERMITTED TO ENTER AND LEAVE IDOT HIGHWAYS VIA EXISTING ROADWAYS AND SHALL BE REQUIRED TO MOVE IN THE DIRECTION OF PUBLIC TRAFFIC. ALL MOVEMENTS ON OR ACROSS THE PUBLICLY TRAVELED RIGHT-OF-WAY SHALL BE CONTROLLED BY THE CONTRACTOR SO AS NOT TO ENDANGER PUBLIC TRAFFIC.
16. AT ANY TIME WHEN, IN THE JUDGEMENT OF THE ENGINEER, THE CONTRACTOR HAS OBSTRUCTED OR CLOSED A ROAD OR IS CARRYING ON OPERATIONS CAUSING GREATER INTERFERENCE OR INCONVENIENCE THAN NECESSARY FOR THE PROPER PROSECUTION OF THE WORK, THE ENGINEER MAY REQUIRE THE CONTRACTOR TO FINISH THE SECTION OF THE WORK WHICH IS IN PROGRESS BEFORE WORK IS STARTED ON ANY ADDITIONAL SECTION AND, IN ADDITION THERETO, MAY REQUIRE THE CONTRACTOR TO TAKE ANY OTHER ACTIONS WHICH WILL MINIMIZE INCONVENIENCE TO VEHICULAR AND PEDESTRIAN TRAFFIC.
17. A MAINTENANCE OF TRAFFIC PLAN SHALL BE SUBMITTED TO THE DISTRICT ONE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR (CARLOS.MUNOZ@ILLINOIS.GOV 847-705-4155) 14 DAYS IN ADVANCE OF ANY STAGES CHANGES OR FULL EXPRESSWAY CLOSURES. THE MAINTENANCE OF TRAFFIC PLAN SHALL INCLUDE, BUT NOT BE LIMITED TO: LANE AND RAMP CLOSURES, EXISTING GEOMETRICS, AND EQUIPMENT AND MATERIAL LOCATIONS.
18. A CONTRACTOR SHALL REQUEST AND GAIN APPROVAL FROM THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S EXPRESSWAY TRAFFIC OPERATIONS ENGINEER AT WWW.IDOTICS.COM TWENTY-FOUR (24) HOURS IN ADVANCE OF ALL PERMANENT AND WEEKEND CLOSURES ON ALL FREEWAYS AND/OR EXPRESSWAYS IN DISTICT ONE. THIS ADVANCE NOTIFICATION IS CALCULATED BASED ON A WORKWEEK OF MONDAY THROUGH FRIDAY AND SHALL NOT INCLUDE WEEKENDS OR HOLIDAYS.

CONTACTS:

VILLAGE OF ADDISON: DEPT. OF PUBLIC WORKS
630-620-2020

INDEX OF SHEETS:

SHEET NO.	SHEET TITLE
	GENERAL ROADWAY PLANS
1	COVER SHEET
2	INDEX OF SHEETS / INDEX OF STATE STANDARDS / GENERAL NOTES
3 - 5	SUMMARY OF QUANTITIES
6 - 7A	MAINTENANCE OF TRAFFIC - PLANS - STAGE 1
8 - 9A	MAINTENANCE OF TRAFFIC - PLANS - STAGE 2
10 - 11	PAVEMENT REMOVAL AND RESURFACING PLANS
12 - 14A	PAVEMENT MARKING PLAN
	STRUCTURAL PLANS
15	GENERAL PLAN AND ELEVATION
16	GENERAL NOTES AND BILL OF MATERIALS
17	STAGE CONSTRUCTION AND REMOVAL
18 - 20	FINGER JOINT DETAILS
21	BRIDGE DECK DETAILS
22	BRIDGE DECK REPAIRS
23	BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
24	TEMPORARY CONCRETE BARRIER
25 - 35	EXISTING BRIDGE PLANS
	IDOT DISTRICT 1 DETAILS
35A	TC-09: TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE
35B - 35C	TC-12: MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS
35D	TC-17: TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES

COMMITMENTS:

NONE

TRAFFIC STAGING NOTES:

STAGE 1/2:

1. IMPLEMENT LANE CONFIGURATION SHOWN ON THE STAGING PLANS AND SHIFT TRAFFIC.
2. COMPLETE JOINT REPLACEMENT TO THE LIMITS SHOWN FOR THE APPLICABLE STAGE.
3. PERFORM DECK PATCHING AND OTHER ACTIVITIES UTILIZING ALLOWABLE WEEKEND CLOSURE TIMES PER THE "WORK RESTRICTION: BRIDGE DECK REPAIR" SPECIAL PROVISION.
4. COMPLETE PAVEMENT MILLING AND RESURFACING SOUTH OF THE BRIDGE LIMITS AS SHOWN IN THE "PAVEMENT REMOVAL AND RESURFACING" PLANS AS ALLOWED BY THE UPSTREAM LANE CONFIGURATION UTILIZING DAILY/SHORT TERM CLOSURES.

FINAL:

1. INSTALL FINAL PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS AS SHOWN IN THE PLANS.

IDOT HIGHWAY STANDARDS:

STD. NO.	STANDARD TITLE
000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
701400-11	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-13	LANE CLOSURE, FREEWAY/EXPRESSWAY
701406-13	LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY
701428-01	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS


HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndesign	QMP
PAVEMENT RESURFACING		
POLYMERIZED HOT-MX ASPHALT SURFACE COURSE, STONE MIX ASPHALT, IL-9.5, MIX "F", N80: 2"	3.5% @ 80 Gyr.	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUANTITY ASSURANCE (QC/QA)		

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

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


"THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE MILLED SURFACE."

REVISI  **REVISED SHEET 1/6/2023**

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CHICAGO, IL 60606
TEL: 312-777-2900

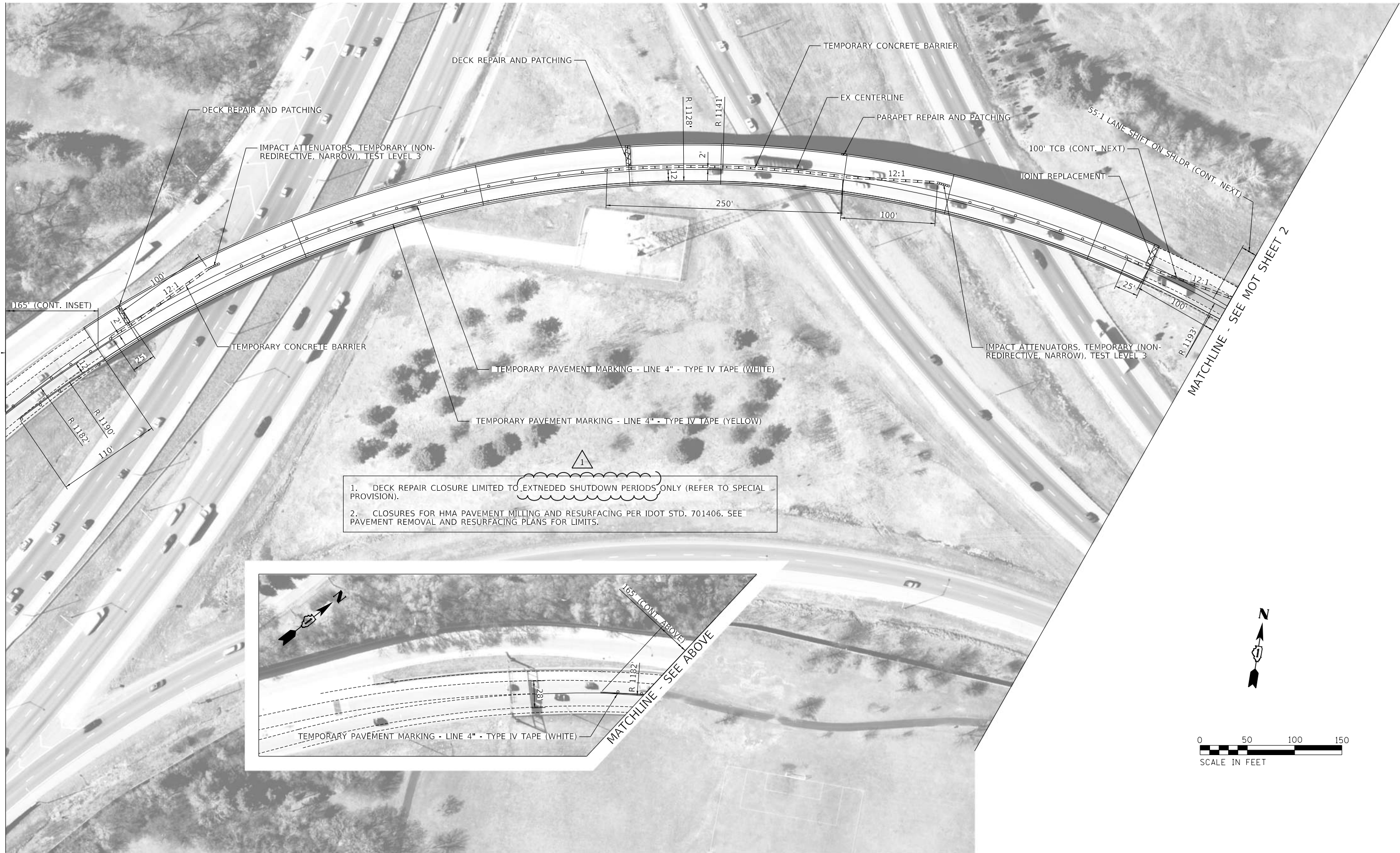
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	DATE - 10/24/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-290 WB TO I-355 SB RAMP REPAIR
GENERAL NOTES, INDEX OF SHEETS AND STANDARDS**

SCALE: N/A	SHEET 1 OF 1 SHEETS	STA. TO STA.	F.A.I. RTE. 290	SECTION FAI 290 22 BJ	COUNTY DUPAGE	TOTAL SHEETS 35	SHEET NO. 2	CONTRACT NO. 62T96	ILLINOIS	FED. AID PROJECT
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MATCHLINE - SEE INSET

REVISION SHEET 1/6/2023

TYlin
 200 S. WACKER DR. SUITE 1400
 CHICAGO, IL 60606
 TEL: 312-777-2900

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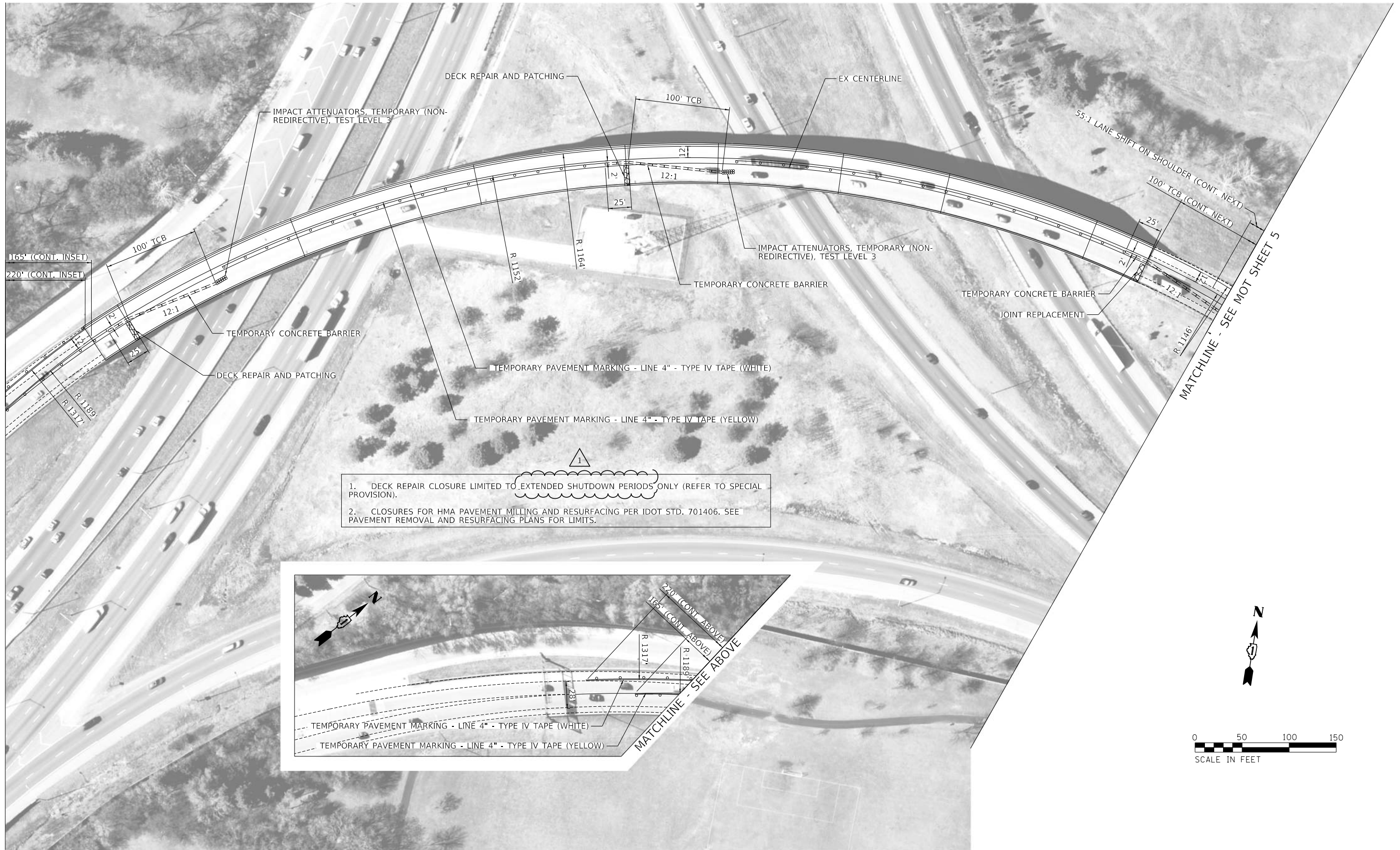
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

I-290 WB TO I-355 SB RAMP REPAIR MOT STAGE 1	
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STA.	TO STA.

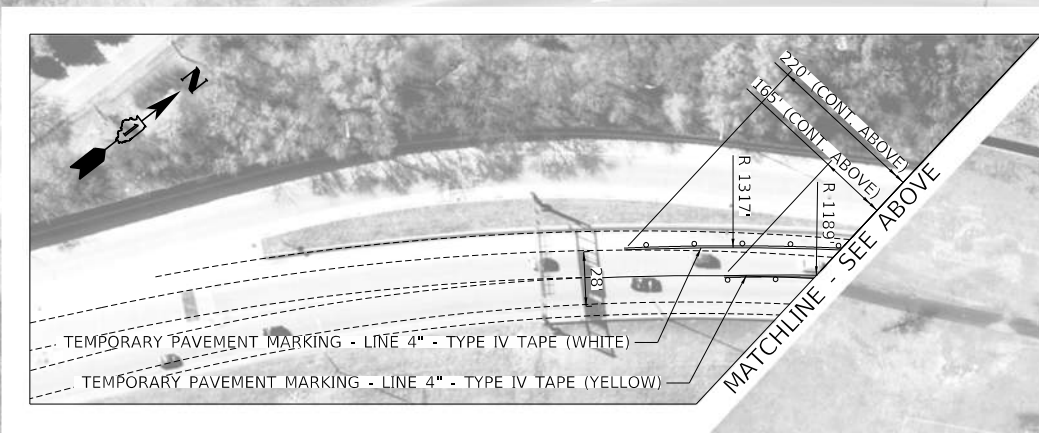
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		CONTRACT NO. 62T96		
		ILLINOIS FED. AID PROJECT		

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MATCHLINE - SEE INSET



1. DECK REPAIR CLOSURE LIMITED TO EXTENDED SHUTDOWN PERIODS ONLY (REFER TO SPECIAL PROVISION).
2. CLOSURES FOR HMA PAVEMENT MILLING AND RESURFACING PER IDOT STD. 701406. SEE PAVEMENT REMOVAL AND RESURFACING PLANS FOR LIMITS.



REVISION 12/29/2022
 1. REVISED SHEET 1/6/2023

TYLin
 200 S. WACKER DR. SUITE 1400
 CHICAGO, IL 60606
 TEL: 312-777-2900

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	DRAWN - BLG	REVISION	
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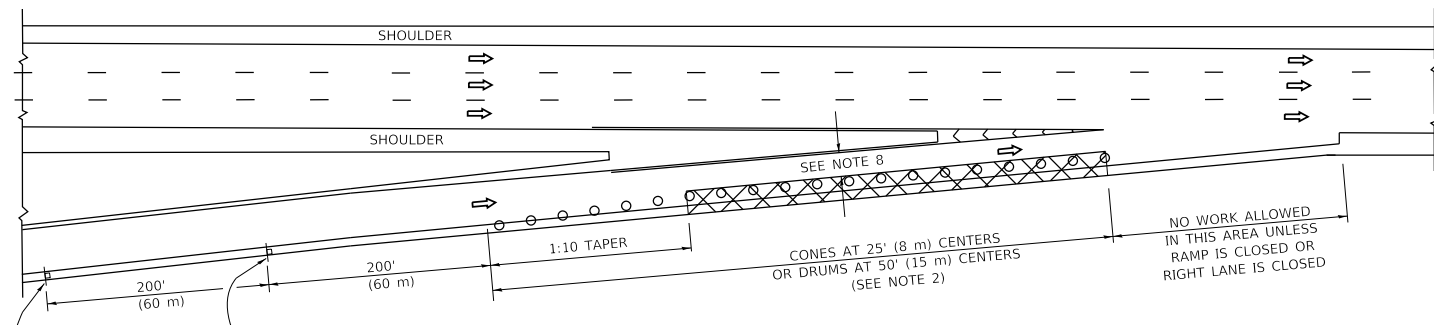
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**I-290 WB TO I-355 SB RAMP REPAIR
 MOT STAGE 2**

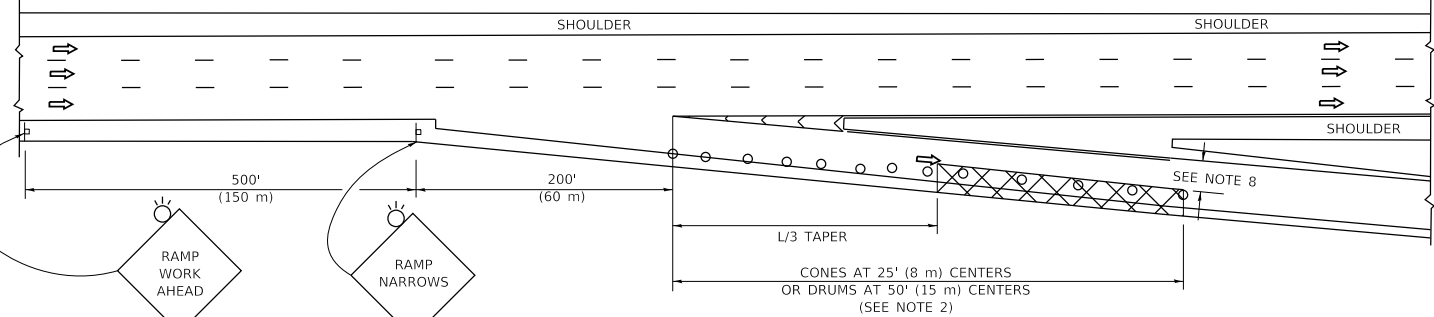
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CONTRACT NO. 62T96				
ILLINOIS FED. AID PROJECT				

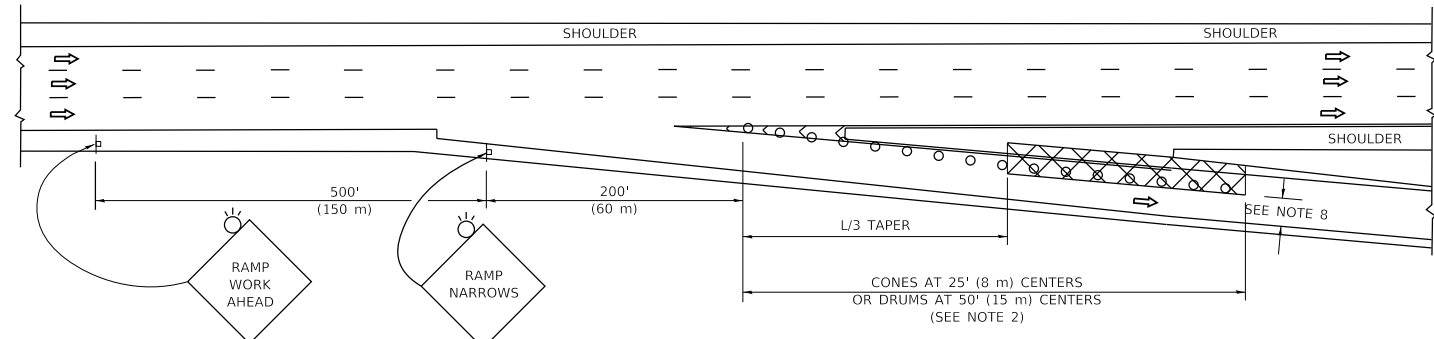
PARTIAL RAMP CLOSURE DETAILS



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

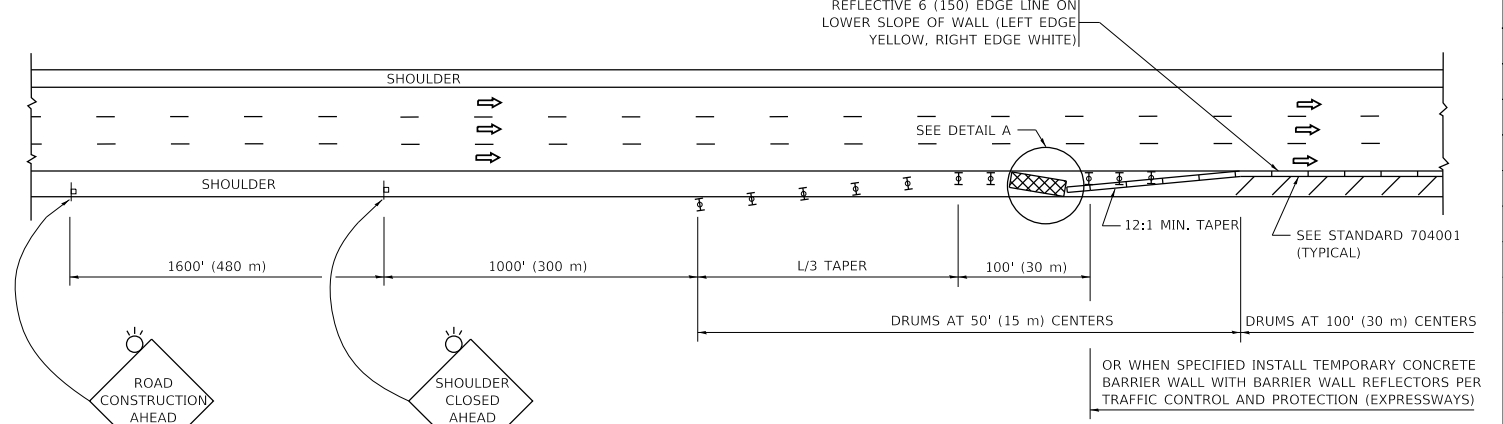
GENERAL NOTES:

- THE "L" DISTANCE EQUALS:
 $SPEED\ LIMIT$

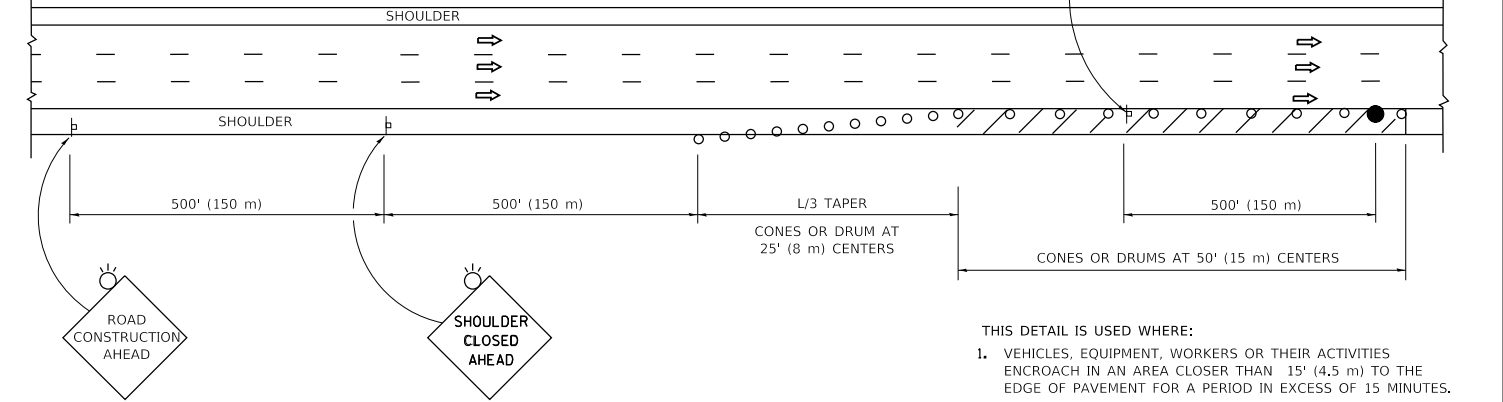
45 mph (80 km/h)	METRIC	ENGLISH
OR GREATER:	$L=0.65(W)/S$	$L=(W)/S$

W = WIDTH OF OFFSET IN FEET (METERS)
S = NORMAL POSTED SPEED MPH (KM/H)
- 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.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

SHOULDER CLOSURE DETAILS



PERMANENT SHOULDER CLOSURE



TEMPORARY SHOULDER CLOSURE



**DETAIL "A"
IMPACT ATTENUATOR, TEMPORARY (SEE NOTE 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.
- AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
- THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - THE WORK ACTIVITY REQUIRES FREQUENT ENCR OACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.

- 12' MIN. WIDTH TANGENT SECTION
16' MIN. WIDTH CURVE SECTION.
- TEMPORARY SHOULDER AND NON-SYSTEM INTERCHANGE PARTIAL RAMP CLOSURES ARE ALLOWED WEEKDAYS BETWEEN 9:00 A.M. AND 3:00 P.M. AND BETWEEN 7:00 P.M. AND 5:00 A.M. OR AS APPROVED BY THE EXPRESSWAY TRAFFIC OPERATIONS ENGINEER. PERMANENT SHOULDER AND PARTIAL RAMP CLOSURES WILL ONLY BE PERMITTED IF CALLED FOR IN THE PLANS OR AS APPROVED BY THE EXPRESSWAY OPERATIONS ENGINEER.

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

REVISED ENTIRE SHEET 1/6/2023

MODEL: ...
 FILE: ...
 PROJECT: ...

USER NAME = leysa	DESIGNED -	REVISED - S.P.B. 12-09
PLOT SCALE = 50.0000" / in.	DRAWN - D.W.S.	REVISED - M.D. 06-13
PLOT DATE = 10/14/2020	CHECKED -	REVISED - M.D. 01-18
	DATE - 11-96	REVISED - M.D. 10-20

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL DETAILS FOR FREEWAY
SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-17		35	35D
ILLINOIS		FED. AID PROJECT		