

CONSTRUCTION PLANS FOR
EMERGENCY REPAIRS - BRIDGE 427A
(WB GILCREASE EXPY. OVER N. LANSING PL.)

PROJECT NO. PL 24-01

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

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ODOT STANDARDS

TCS1-1-01	TCS7-1-02	TCS19-1-01
TCS2-1-00	TCS8-1-00	TCS20-1-00
TCS3-1-01	TCS9-1-01	TCS21-1-02
TCS4-1-01	TCS11-1-01	TCS24-1-02
TCS5-1-00	TCS13-1-00	
TCS6-1-02	TCS14-1-00	

ODOT BRIDGE STANDARDS
FSHP-42-2-00E

PROJECT SITE
SEC. 24, T-20-N, R-12-E



SYMBOL LEGEND

—X—	FENCE
—W—	WATER LINE
DHE —	OVERHEAD ELECTRIC LINE
—G—	GAS LINE
—SS—	SANITARY SEWER
---	PROP. CENTERLINE ROADWAY
---	ROW
—P—	PROPERTY LINE
---	LOT LINE
—SD—	STORM DRAIN
—UGT—	FIBER OPTIC
UGE —	UNDERGROUND ELECTRIC
RJ	RESTRAINED JOINT
SS	SANITARY MANHOLE
FO	FIBER OPTIC MANHOLE
SM	STORM MANHOLE
TM	TELE MANHOLE
WM	WATER METER
WV	WATER VALVE
FH	FIRE HYDRANT
PP	POWER POLE
GA	GUY ANCHOR
TR	TELE RISER
TRF	TRANSFORMER
GM	GAS METER
LP	LIGHT POLE
GI	GRADED INLET
CI	CURB INLET
GV	GAS VALVE
TBM	TEMPORARY BENCH MARK
S	SIGN
EB	ELECTRIC BOX
T	TREE
EG	EVERGREEN
S	SHRUB

CALL OKIE FOR A LIST OF CONTACTS IN THE AREA.

UTILITY COORDINATION	
UTILITY/DEPARTMENT	NUMBER
OKLAHOMA ONE-CALL SYSTEM, INC.	811
CITY OF TULSA - UTILITY COORDINATION (TONY GLYNN)	918-596-9245
OKLAHOMA NATURAL GAS (CODY YOST)	918-352-5745
AT&T (ALFORD NICHOLS)	539-444-1096
PSO (LONNY HICKS)	918-250-6211
COX COMMUNICATIONS (JASON HOLT)	918-830-7238
MTTA (BILLY NORMAN)	918-398-1424

NOTE:
IN ACCORDANCE WITH ODOT SECTION 105.14,
THE CITY OF TULSA IS ANTICIPATING THAT THE
SUCCESSFUL CONTRACTOR WILL UTILIZE THE
APPROPRIATE MEANS AND METHODS TO
ACCOMPLISH THE WORK DESCRIBED IN THE
PLANS WITHOUT CAUSING COLLATERAL
DAMAGE TO THE EXISTING INFRASTRUCTURE.
CURRENT CITY OF TULSA CONSTRUCTION
BUDGETS DO NOT ALLOW FOR GROWTH OF THE
PROJECT BEYOND THE EXTENTS DETAILED IN
THE PLANS.

THIS PROJECT COMPLIES WITH ALL OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY (ODEQ)
REQUIREMENTS AND IS ENTIRELY LOCATED WITHIN THE CORPORATE LIMITS OF THE CITY OF TULSA.
CURRENT CITY OF TULSA STANDARD SPECIFICATIONS AND STANDARD DETAILS GOVERN. ALL
OTHER CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE 2019 OKLAHOMA
STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AS ADOPTED BY CITY OF TULSA.

Director of Public Works
9/14/2026
Date

ADVERTISE DATE:
Bradley R. Thompson
Bradley R. Thompson, P.E.
responsible for pages: 2, 4-12
OK PE No. 22868
8/20/2026
Date

Damon Duane Domer
Damon Duane Domer, P.E.
responsible for pages: 1, 3, 13-27
OK PE No. 24289
8/20/2026
Date



PREPARED BY:
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CERT. OF AUTH. #4193
EXPIRES 6-30-2028

COMMON GENERAL NOTES

SPECIFICATIONS:

ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE 2019 OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AS AMENDED AND ADOPTED BY CITY OF TULSA ORDINANCE #24616, JUNE 2021, AND THE CURRENT CITY OF TULSA PUBLIC WORKS DEPARTMENT STANDARD SPECIFICATIONS, STANDARD DETAILS, STANDARD DRAWINGS AND SPECIAL PROVISIONS.

SUGGESTED SEQUENCE OF CONSTRUCTION:

A SUGGESTED SEQUENCE OF CONSTRUCTION HAS BEEN INCLUDED IN THE PLANS. ANY CHANGES TO THE SUGGESTED SEQUENCE OF CONSTRUCTION MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL. NO WORK SHALL BEGIN UNTIL THE ENGINEER HAS APPROVED THE CHANGES TO THE SUGGESTED SEQUENCE OF CONSTRUCTION.

VERIFICATION OF EXISTING CONDITIONS:

ALL DIMENSIONS OF THE EXISTING COMPONENTS SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY ALL DATA NECESSARY TO CONNECT THE NEW MATERIAL AND SHALL BE SOLELY RESPONSIBLE FOR THE ACCURACY THEREOF.

BIDDERS SHALL FULLY INFORM THEMSELVES OF THE NATURE OF THE WORK AND CONDITIONS UNDER WHICH IT WILL BE PERFORMED. THE CONTRACTOR SHALL ADOPT METHODS CONSISTENT WITH GOOD CONSTRUCTION PRACTICE AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT DAMAGE TO THE EXISTING BRIDGES OR ATTACHMENTS. ANY DAMAGE TO THE EXISTING BRIDGE STRUCTURES OR ROADWAY DUE TO THE CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE, TO THE SATISFACTION OF THE ENGINEER.

CONTRACTOR SHALL BE AWARE OF EXISTING CONDITIONS AND POTENTIAL HAZARDS DURING CONSTRUCTION. CONTRACTOR SHALL TAKE PRECAUTIONS TO MAINTAIN THE INTEGRITY OF ANY EXISTING UTILITIES AND STRUCTURES. ANY DAMAGE TO THESE ITEMS DURING CONSTRUCTION SHALL BE REPAIRED AND/OR REPLACED AT THE CONTRACTOR'S EXPENSE TO THE ENGINEER'S SATISFACTION.

THE ORIGINAL BRIDGE CONSTRUCTION PLANS FOR BRIDGE 427A ARE AVAILABLE AND CAN BE OBTAINED FROM:
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT
175 EAST 2ND ST, 13TH FLOOR
TULSA, OK 74103

SURVEYING AND CONSTRUCTION STAKING:

THE CONTRACTOR WILL BE REQUIRED TO CONDUCT ALL SURVEYING AND CONSTRUCTION STAKING NECESSARY FOR THE COMPLETION OF THE PROJECT AS DIRECTED BY THE ENGINEER. THE SURVEYING AND CONSTRUCTION STAKING REQUIRED FOR COMPLETION OF THE PROJECT MAY INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING:

1. ESTABLISHING HORIZONTAL CONTROL INCLUDING THE STAKING OF THE CENTERLINE ON THE BRIDGE AND APPROACH ROADWAY AND ASSIGNING STATIONING AS DIRECTED BY THE ENGINEER.
2. ESTABLISHING VERTICAL CONTROL INCLUDING THE SETTING OF BENCHMARKS.
3. MEASURING THE ELEVATIONS ALONG THE EXISTING BRIDGE DECK AT CENTERLINE, EDGES OF DRIVING LANES, AND EDGES OF SHOULDERS.
4. MEASURING THE ELEVATIONS ALONG THE EXISTING APPROACH ROADWAY AT CENTERLINE, EDGES OF DRIVING LANES, AND EDGES OF SHOULDERS.
5. MEASURING THE EXISTING TOP OF BEAM ELEVATION (NORTH BEAM IN SPAN 2) FOR DETERMINING DECK HAUNCH AND FORMING DATA PRIOR TO & AFTER TEMPORARY REMOVAL OF THE DAMAGED BEAM.
6. MEASURING THE EXISTING TOP OF PIER ELEVATIONS AND ADJUSTING THE THICKNESS OF THE DECK HAUNCH (NORTH BEAM IN SPAN 2) AS REQUIRED.

ALL SURVEY DATA, FORMING DATA, AND HAUNCH CALCULATIONS SHALL BE PROVIDED TO THE ENGINEER FOR APPROVAL BEFORE CONSTRUCTING THE PORTION OF THE NEW BRIDGE DECK AS SHOWN IN THE PLANS.

HORIZONTAL GEOMETRY & VERTICAL CURVE DATA:

THE INFORMATION SHOWN ON THE "GENERAL PLAN AND ELEVATION" DRAWING REGARDING HORIZONTAL GEOMETRY AND VERTICAL PROFILE WAS TAKEN FROM THE ORIGINAL CONSTRUCTION PLANS. THIS INFORMATION IS INCLUDED FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR SHALL FIELD VERIFY THE EXISTING HORIZONTAL AND VERTICAL GEOMETRY. THE PARTIAL RECONSTRUCTION OF THE DECK IS INTENDED TO MATCH THE PROFILE OF THE EXISTING DECK.

REMOVED MATERIAL:

ALL MATERIAL REMOVED DURING THIS PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF IN A MANNER APPROVED BY THE ENGINEER.

THE CONTRACTOR SHALL BE REQUIRED TO OBTAIN AN EARTH CHANGE PERMIT IF ANY EXCESS MATERIAL IS TO BE DISPOSED OF WITHIN THE CITY LIMITS OF TULSA.

CONCRETE:

ALL CONCRETE SHALL BE PLACED IN THE DRY. ALL EXPOSED EDGES SHALL HAVE A 3/4" CHAMFER UNLESS NOTED OR SHOWN ON THE PLANS. ALL CHAMFER STRIPS SHALL BE SIZED LUMBER. ALL CLASS "AA" CONCRETE SHALL BE AIR ENTRAINED.

ALL CONCRETE IN THE DECK, END AND INTERMEDIATE DIAPHRAGMS, AND NORTH PARAPET SHALL BE CLASS "AA" CONCRETE, F'C = 4,000 P.S.I. MINIMUM STRENGTH AT 28 DAYS.

WHEN VIBRATING CONCRETE CONTAINING EPOXY COATED REINFORCING STEEL, THE VIBRATOR SHALL BE EQUIPPED WITH A PLASTIC TIP DESIGNED TO PREVENT DAMAGE TO THE EPOXY COATING.

REINFORCING:

ALL REINFORCING STEEL SHALL HAVE 2" CLEARANCE UNLESS SHOWN OR NOTED OTHERWISE. ALL REINFORCING STEEL SHALL BE DEFORMED BARS, COLD BENT WITH NO WELDS. BAR BEND DIMENSIONS ARE OUT TO OUT, UNLESS NOTED OTHERWISE. UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS, ALL REINFORCING STEEL SHALL CONFORM TO AASHTO M31 (ASTM A615), GRADE 60.

FIELD WELDING OF CROSSING REINFORCING BARS SHALL NOT BE PERMITTED. TACK WELDING OF REINFORCING BARS SHALL BE PROHIBITED IN ALL CASES.

ALL LONGITUDINAL TOP REINFORCING IN THE DECK SHALL BE SUPPORTED ON APPROVED CONTINUOUS METAL HIGH CHAIRS SPACED AT 4'-0" MAXIMUM ON CENTERS AND THE BOTTOM LAYER OF REINFORCING STEEL SHALL BE SUPPORTED ON APPROVED METAL SLAB BOLSTERS SPACED AT 4'-0" MAXIMUM ON CENTERS.

CONCRETE DIAPHRAGMS:

ONCE THE CONCRETE HAS BEEN PLACED FOR THE CONCRETE DIAPHRAGMS, WAIT A MINIMUM OF 24 HOURS BEFORE REMOVING THE SIDE FORMS. DO NOT REMOVE THE BOTTOM FORM FOR A MINIMUM OF 3 DAYS, OR AT THE DISCRETION OF THE ENGINEER. THIS TIME MAY BE SHORTENED IF THE CONCRETE HAS ATTAINED 80% OF THE STANDARD COMPRESSIVE STRENGTH.

DO NOT PLACE THE CONCRETE FOR THE BRIDGE DECK OR OTHER SUBSTANTIAL LOADS TO THE BEAMS OR DIAPHRAGMS UNTIL THE CONCRETE IN THE DIAPHRAGMS HAS BEEN IN PLACE A MINIMUM OF 10 DAYS OR AT THE DISCRETION OF THE ENGINEER. THIS TIME MAY BE SHORTENED IF THE CONCRETE HAS ATTAINED 80% OF THE STANDARD COMPRESSIVE STRENGTH.

STAY-IN-PLACE FORMS:

STAY-IN-PLACE STEEL DECK FORMS MAY NOT BE USED.

CONCRETE DECK FINISHING:

OVERHANGING DECK FORMS WILL BE REQUIRED TO BE OF SUFFICIENT STRENGTH TO SUPPORT THE WEIGHT OF THE CONCRETE, FORMS, FINISHING MACHINE AND OTHER CONSTRUCTION LOADS. PRIOR TO FINISHING OPERATIONS, A PROPOSAL STIPULATING THE TYPE OF FINISHING MACHINE AND THE FINISHING PROCEDURE WILL BE SUBMITTED TO THE ENGINEER. THIS PROPOSAL SHALL SET FORTH ANY AREAS IN WHICH A MECHANICAL FINISHER CANNOT BE USED AND THE METHODS FOR FINISHING THESE AREAS. CONCRETE SHALL NOT BE PLACED UNTIL THIS PROPOSAL IS APPROVED BY THE ENGINEER.

BRIDGE PAY ITEM NOTES

(B1) BASIS OF PAYMENT:

PAYMENT FOR THIS ITEM WILL BE BASED ON THE PLAN QUANTITIES ONLY. SEE SECTION 109.01.B OF THE STANDARD SPECIFICATIONS.

(B2) REMOVAL OF BRIDGE ITEMS:

THE PAY ITEM "REMOVAL OF BRIDGE ITEMS" SHALL INCLUDE THE REMOVAL AND DISPOSAL OF ALL ITEMS TO BE REMOVED FROM THE EXISTING BRIDGE AS SPECIFIED OR SHOWN IN THE PLANS INCLUDING THE FOLLOWING:

1. A PORTION OF THE NORTH PARAPET, AS SHOWN ON SHEET NOS. 4 & 10.
2. A PORTION OF THE DECK, AS SHOWN ON SHEET NO. 7.
3. PORTIONS OF THE END & INTERMEDIATE DIAPHRAGMS IN BAY NO. 1 OF SPAN NO. 2, CONNECTED TO BEAM NO. 1, AS SHOWN ON SHEET NOS. 9 & 10.
4. THE ENTIRE BEAM NO. 1 IN SPAN NO. 2, AS SHOWN ON SHEET NOS. 9 & 10.
5. THE EXISTING ANCHOR PLATE, NUTS, & WASHERS AT BEAM NO. 1 IN SPAN NO. 2 AT PIER NOS. 1 & 2, AS SHOWN ON SHEET NO. 6.
6. A PORTION OF THE PIER CAP SHIELDS AT THE NORTH ENDS OF PIER NOS. 1 & 2, AS SHOWN ON SHEET NO. 6.

THE CONTRACTOR SHALL TAKE EVERY PRECAUTION NECESSARY TO PREVENT DAMAGING THE REMAINING COMPONENTS OF THE EXISTING BRIDGE OR ANY NEW CONSTRUCTION ATTACHED TO THE BRIDGE. ONLY HAND TOOLS OR HAND OPERATED POWER TOOLS WILL BE ALLOWED TO MAKE THE REMOVALS. NO VEHICLE MOUNTED TOOLS OR EQUIPMENT WILL BE ALLOWED TO MAKE REMOVALS. BEFORE MAKING ANY REMOVALS WITH IMPACT TOOLS, ALL CONCRETE COMPONENTS SHALL BE UNIFORMLY SAW CUT ALONG THE REMOVAL LINES OR CUT LINES SHOWN IN THE PLANS. ANY DAMAGES CAUSED BY THE CONTRACTOR TO THE EXISTING BEAMS SHALL BE REPAIRED OR COMPLETELY REPLACED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE ENGINEER. THE ENGINEER WILL DETERMINE IF THE DAMAGED COMPONENTS CAN BE REPAIRED OR IF NOT, THE COMPONENT SHALL BE COMPLETELY REPLACED.

BEFORE MAKING ANY REMOVALS, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A PLAN FOR REMOVING EACH ITEM OR PORTIONS OF ITEMS TO BE REMOVED FROM THE EXISTING BRIDGE. THE CONTRACTOR SHALL NOT MAKE ANY REMOVALS UNTIL THE PLAN HAS BEEN APPROVED BY THE ENGINEER. THE PLAN SHALL INCLUDE A LIST OF ALL THE EQUIPMENT THAT WILL BE USED TO MAKE THE REMOVALS, A DESCRIPTION OF HOW THE EQUIPMENT WILL BE USED TO MAKE THE REMOVALS AND A SEQUENTIAL LIST OF STEPS THAT WILL BE FOLLOWED BY THE CONTRACTOR TO MAKE REMOVALS.

ITEMS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO CITY OF TULSA. ALL MATERIALS REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND BE DISPOSED OF IN A MANNER APPROVED BY THE ENGINEER.

ALL COSTS NECESSARY TO COMPLETE THE WORK AS SPECIFIED OR AS SHOWN IN THE PLANS INCLUDING THE COST OF SAFETY PLATFORMS, SAWING, CUTTING, DEMOLITION, CLEANING AND STRAIGHTENING REINFORCING STEEL, CONTAINMENT AND REMOVAL OF DEBRIS, MATERIALS, LABOR, EQUIPMENT AND INCIDENTALS SHALL BE INCLUDED IN THE PRICE BID PER LUMP SUM OF "REMOVAL OF BRIDGE ITEMS".

(B3) EXPANSION BEARING ASSEMBLIES:

PROVIDE AND INSTALL EXPANSION BEARING ASSEMBLIES OF THE SIZE & SHAPE AS SPECIFIED IN THE CONSTRUCTION AS-BUILT PLANS (SEE SHEET B24 FOR DETAILS) AT BEAM NO. 1 IN SPAN NO. 2 AT PIER NOS. 1 & 2. THE TOTAL ESTIMATED AMOUNT OF STRUCTURAL STEEL PER EACH OF EXPANSION BEARING ASSEMBLY IS 142.20 POUNDS.

ALL COST OF PROVIDING AND INSTALLING THE EXPANSION BEARING ASSEMBLIES AS SPECIFIED OR AS SHOWN IN THE PLANS INCLUDING THE COST OF ANCHOR PLATES, NUTS, WASHERS, MATERIALS, LABOR, EQUIPMENT AND INCIDENTALS SHALL BE INCLUDED IN THE PRICE BID PER EACH OF "STAINLESS STEEL EXP. BEARING ASSEMBLY".

(B4) STRUCTURAL STEEL:

PAY ITEM INCLUDES THE COST OF SAW CUTTING THE EXISTING DIAPHRAGM ROD AND SPLICING A NEW DIAPHRAGM ROD ONTO THE EXISTING WITH A COUPLER. COUPLERS SHALL BE IN ACCORDANCE WITH SECTION 511.04.C(3) OF THE STANDARD SPECIFICATIONS.

ALL COST OF PROVIDING AND INSTALLING THE NEW DIAPHRAGM ROD AS SPECIFIED OR AS SHOWN IN THE PLANS INCLUDING THE COST OF THE STRUCTURAL STEEL ROD, NUTS, BEVELED SPACERS, WASHERS, MATERIALS, LABOR, EQUIPMENT AND INCIDENTALS SHALL BE INCLUDED IN THE PRICE BID PER POUND OF "STRUCTURAL STEEL".

(B5) DECK HAUNCHES:

PLAN QUANTITY FOR CLASS AA CONCRETE INCLUDES 0.52 CUBIC YARDS FOR THE HAUNCHES OVER THE BEAMS. THE HAUNCH HEIGHTS WILL BE CALCULATED BY THE CONTRACTOR FOR APPROVAL BY THE ENGINEER TO PROVIDE FOR DEAD LOAD DEFLECTION AND BEAM CAMBER. NO PAYMENT WILL BE MADE FOR DIFFERENCES BETWEEN PLAN QUANTITY AND THE ACTUAL QUANTITY OF HAUNCH CONCRETE.

(B6) DECK CONSTRUCTION JOINTS:

ALL LONGITUDINAL AND TRANSVERSE SEALED CONSTRUCTION JOINTS IN THE BRIDGE DECK SHALL BE SEALED WITH HIGH MOLECULAR WEIGHT METHACRYLATE IN ACCORDANCE WITH SECTION 523 AND AS SHOWN ON THE PLANS.

ALL COSTS OF EQUIPMENT AND LABOR FOR THE INSTALLATION OF THE HIGH MOLECULAR WEIGHT METHACRYLATE SEALER AS NECESSARY TO COMPLETE THE WORK AS SHOWN IN THE PLANS SHALL BE INCLUDED IN THE PRICE BID PER LINEAR FOOT OF "SEALER CRACK PREPARATION". ALL COSTS OF THE HIGH MOLECULAR WEIGHT METHACRYLATE SEALER INCLUDING MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THE WORK AS SHOWN IN THE PLANS SHALL BE INCLUDED IN THE PRICE BID PER GALLON OF "SEALER RESIN".

(B7) PENETRATING WATER REPELLENT SURFACE TREATMENT:

A PENETRATING WATER REPELLENT SURFACE TREATMENT SHALL BE APPLIED TO THE FOLLOWING CONCRETE SURFACES OF THE BRIDGE:

- (A) TOP FACE OF THE NEW DECK.
- (B) EDGES AND UNDERSIDE CANTILEVER PORTION OF THE NEW DECK.
- (C) ALL FACES OF THE NEW 42" F-SHAPED PARAPETS.
- (D) EXTERIOR AND BOTTOM FACE OF NEW BEAM

ALL COSTS ASSOCIATED WITH THE USE OF PENETRATING WATER REPELLENT SURFACE TREATMENT INCLUDING THE COST OF MATERIALS, LABOR, EQUIPMENT AND INCIDENTALS SHALL BE INCLUDED IN THE PRICE BID PER SQUARE YARD OF "WATER REPELLENT (VISUALLY INSPECTED)".

(B8) ELASTOMERIC COATING:

THE ELASTOMERIC COATING SHALL BE A LIQUID APPLIED URETHANE COATING SUCH AS CIM 1000, OR AN APPROVED EQUAL, AS MANUFACTURED BY CIM INDUSTRIES, INC.. PRODUCT INFORMATION FOR CIM 1000 CAN BE OBTAINED FROM LASTER CASTOR CORP. OF TULSA, OKLAHOMA, PHONE NUMBER 918-234-7777.

THE ELASTOMERIC COATING SHALL BE APPLIED TO THE TOP & SIDES OF THE PIER CAP SHIELDS AT THE NORTH END OF EACH PIER, AS SHOWN ON SHEET NO. 6. THE COLOR OF THE ELASTOMERIC COATING SHALL MATCH THAT OF THE EXISTING PIER CAP CONCRETE.

THE EQUIPMENT AND METHODS OF APPLYING THE URETHANE COATING SHALL BE IN ACCORDANCE WITH THE PRODUCT COATING PROFILE AND INSTRUCTION GUIDES FOR APPLICATION TO CONCRETE. PRECAUTIONARY MEASURES SHALL BE IN ACCORDANCE WITH THE MATERIAL SAFETY DATA SHEETS AS PROVIDED BY THE MANUFACTURER.

THE COATING SHALL BE 60 MILS DRY THICKNESS AND 68 MILS WET THICKNESS. SURFACE PREPARATIONS AND PRODUCT MIXING SHALL BE PER THE MANUFACTURER'S RECOMMENDATIONS AND ALL NEW CONCRETE SHALL HAVE A MINIMUM STRENGTH OF 3,000 P.S.I. AT THE TIME OF APPLICATION. PRIMER SHALL BE APPLIED TO THE CONCRETE SURFACES PRIOR TO APPLYING THE COATING. ALL CONCRETE WORK SHALL BE COMPLETED PRIOR TO THE APPLICATION OF THE ELASTOMERIC COATING.

PAYMENT WILL BE MADE AT THE CONTRACT UNIT PRICE BID PER SQUARE FOOT OF "ELASTOMERIC COATING", WHICH PRICE SHALL BE FULL COMPENSATION FOR ALL MATERIALS, LABOR, TOOLS, EQUIPMENT, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK AS SPECIFIED.

(B9) REPAIR BRIDGE ITEM (TYPE A):

THE PAY ITEM "REPAIR BRIDGE ITEMS (TYPE A)" INCLUDES THE REMOVAL, STORAGE, AND REINSTALLION OF THE FOLLOWING:

1. THE EXISTING ELECTRICAL CONDUIT ATTACHED TO THE NORTH CONCRETE PARAPET AND THE ENDS OF BOTH PIER CAPS.
2. THE EXISTING LIGHT POLE ATTACHED TO THE NORTH END OF PIER NO. 1.

ALL MATERIALS, LABOR, EQUIPMENT, AND OTHER INCIDENTALS TO COMPLETE THE WORK AS DESCRIBED IN THE PLANS SHALL BE INCLUDED IN THE PRICE PER BID PER LUMP SUM OF "REPAIR BRIDGE ITEMS (TYPE A)".

CONSTRUCTION PAY ITEM NOTES

(G-2) MAXIMUM OVERALL DOLLAR AMOUNT AND SCHEDULE OF PAYMENTS SHALL BE IN ACCORDANCE WITH SECTION 641 OF THE OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, CURRENT EDITION.

(G-3) CONSTRUCTION STAKING SHALL INCLUDE SURVEYING AND THE FURNISHING, PLACING, AND MAINTAINING OF THE CONSTRUCTION LAYOUT STAKES NECESSARY FOR THE PROPER COMPLETION AND INSPECTION OF THE ENTIRE PROJECT.

(G-4) THE COST TO REPLACE REMOVED OR DAMAGED SECTION CORNERS AND ALL OTHER PERMANENT RIGHT OF WAY MARKERS SHALL BE INCLUDED IN THE PRICE BID FOR THIS ITEM. NO ADDITIONAL PAYMENT WILL BE MADE.

BRIDGE 427A (NBI 28338)			SUMMARY OF PAY QUANTITIES		WB GILCREASE EXPY. OVER N. LANSING PL.	
ITEM NO.	SPEC. NO.	DESCRIPTION	PAY ITEM NOTE	UNIT	TOTAL	
1	503(A)	PRESTRESSED CONCRETE BEAMS (TYPE III)	(B1)	LF	52.67	
2	504(E)	42" F-SHAPED PARAPET	(B1)	LF	63.00	
3	506(A)	STRUCTURAL STEEL	(B1)(B4)	LB	100.00	
4	507(B)	STAINLESS STEEL EXP. BEARING ASSEMBLY	(B3)	EA	2.00	
5	509(A)	CLASS AA CONCRETE	(B1)(B5)	CY	17.70	
6	511(B)	EPOXY COATED REINFORCING STEEL	(B1)	LB	6,300.00	
7	515(A)	WATER REPELLENT (VISUALLY INSPECTED)	(B7)	SY	178.00	
8	517	ELASTOMERIC COATING	(B8)	SF	9.00	
9	523(A)	SEALER CRACK PREPARATION	(B6)	LF	161.00	
10	523(B)	SEALER RESIN	(B6)	GAL	1.30	
11	540	(PL)REPAIR BRIDGE ITEM (TYPE A)	(B9)	LSUM	1.00	
12	619(B)	REMOVAL OF BRIDGE ITEMS	(B2)	LSUM	1.00	
13	641	MOBILIZATION	(G-2)	LSUM	1	
14	642(B)	CONSTRUCTION STAKING LEVEL II	(G-3)(G-4)	LSUM	1	
15	SPECIAL	OWNWER ALLOWANCE		EA	25,000	
16	COT 334	CONSTRUCTION AS-BUILT		LSUM	1	



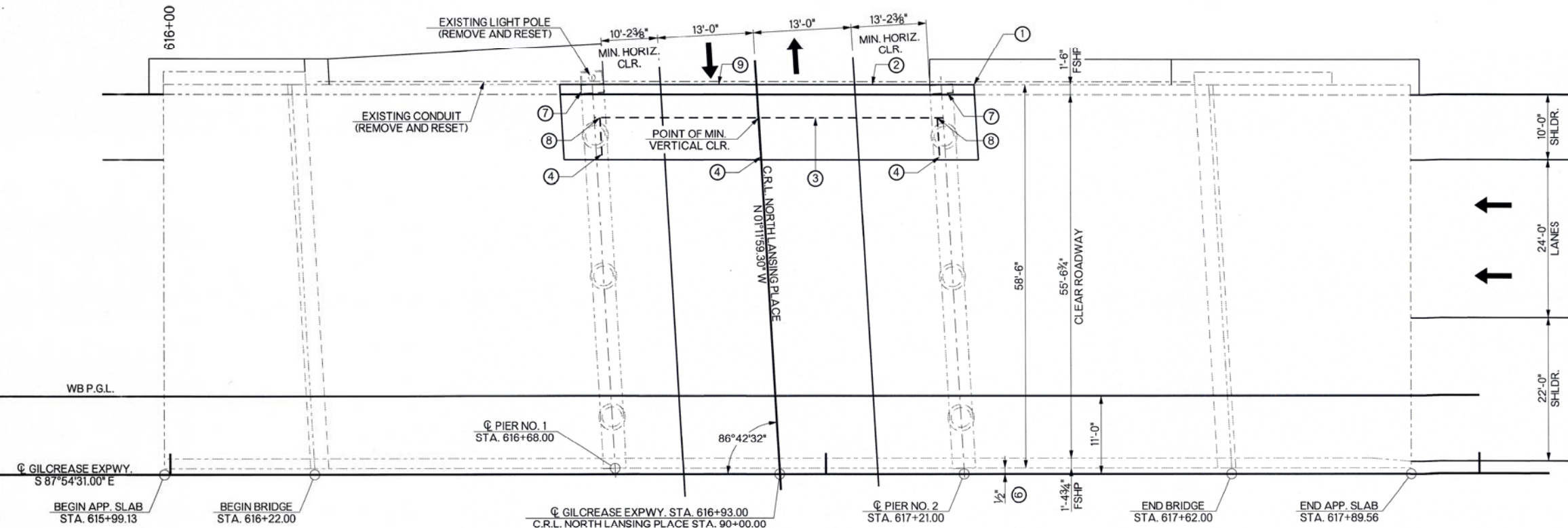
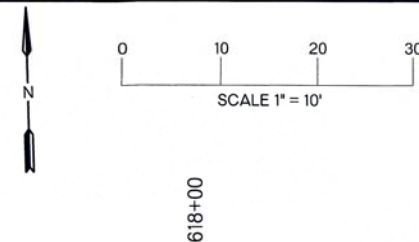
SUMMARY OF PAY QUANTITIES AND NOTES (BRIDGE)	
EMERGENCY REPAIRS - BRIDGE 427A (WB GILCREASE EXPY. OVER N. LANSING PL.) PROJECT PL 24-01	
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT	
PLANS AND ESTIMATES PREPARED BY: \$100 S. VALE AVE., SUITE 1300 Phone: (918) 250-5922 TULSA, OKLAHOMA 74138 Fax: (918) 656-0107	
	APPROVED:
DRAWN S.J.L 06/26 DESIGNED ZMB 06/26 SURVEY PROJ. MGR. <i>[Signature]</i> 8/15/26 LEAD MGR. <i>[Signature]</i> 9/14/26 FIELD MGR. <i>[Signature]</i> 9/16	
PLAN SCALE PROFILE SCALE HORIZONTAL:	RECOMMENDED: Hos 9-26 DESIGN MANAGER CITY ENGINEER
VERTICAL:	DATE: 9/14/2026
FILE:	DRAWING:
ATLAS PAGE NO. 163	SHEET 2 OF 27 SHEETS

ADVERTISE DATE:	REVISION	BY	DATE

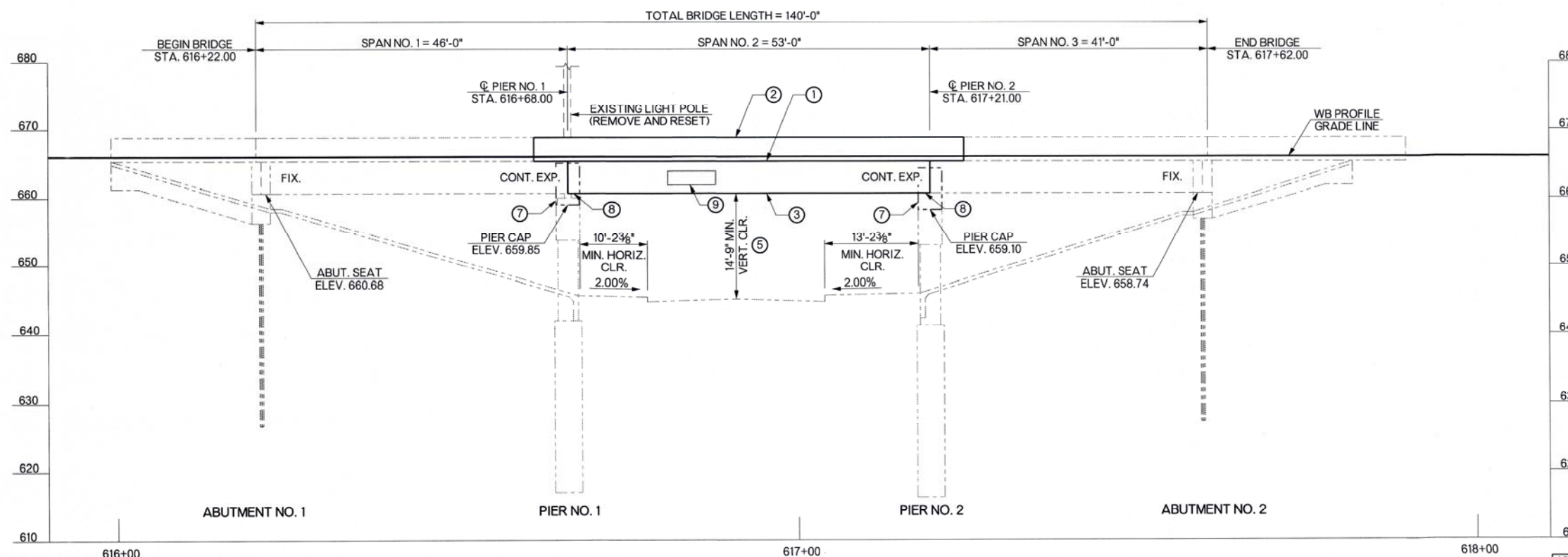
- 1 REMOVE AND REPLACE PARTIAL DECK.
- 2 REMOVE AND REPLACE PARTIAL NORTH 42" F-SHAPED PARAPET.
- 3 REMOVE AND REPLACE TYPE III BEAM (BEAM NO. 1, SPAN NO. 2 ONLY).
- 4 REMOVE AND REPLACE PORTION OF EXISTING END AND INTERMEDIATE DIAPHRAGMS.
- 5 HORIZONTAL GEOMETRY, VERTICAL PROFILE DATA AND VERTICAL CLEARANCE SHOWN IS TAKEN FROM THE ORIGINAL DESIGN PLANS AND FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL DATA TO RECONSTRUCT THE BRIDGE DECK AS SHOWN IN THESE PLANS.
- 6 MEASUREMENT IS FROM GILCREASE EXPRESSWAY TO EDGE OF DECK.

- 7 PARTIAL REMOVAL OF PIER CAP SHIELDS AT THE NORTH END OF BOTH PIERS.
- 8 REMOVE AND REPLACE PARTIAL BEARING ASSEMBLY.
- 9 INSTALL VERTICAL CLEARANCE SIGN ON EXTERIOR OF NEW BEAM OVER SOUTHBOUND TRAFFIC.

INFORMATION INCLUDED IN THESE PLANS IS BASED ON THE EXISTING AS-BUILT PLANS. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO ACCURATELY VERIFY THIS INFORMATION PRIOR TO ANY DEMOLITION OR CONSTRUCTION. FOR ADDITIONAL INFORMATION, SEE GENERAL NOTE "VERIFICATION OF EXISTING CONDITIONS" ON SHEET NO. 2.



PLAN



ELEVATION

DESIGN DATA (LOAD FACTOR DESIGN)

CLASS AA CONCRETE
CLASS A CONCRETE
REINFORCING STEEL (GRADE 60)
STRUCTURAL STEEL (M270, GR. 50W)

F'C = 4,000 P.S.I.
F'C = 3,000 P.S.I.
FY = 60,000 P.S.I.
FY = 50,000 P.S.I.

LOADING:
HL93 OR OKLAHOMA OVERLOAD TRUCK, 20 P.S.F. FUTURE WEARING SURFACE.

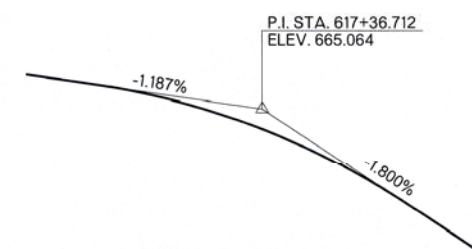
DESIGN:
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 10TH EDITION.

ANSI/AASHTO/AWS: D1.5 BRIDGE WELDING CODE

ANSI/AWS: D1.6 STRUCTURAL WELDING CODE - STAINLESS STEEL

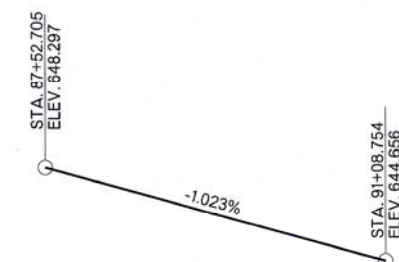
LFD OPERATING RATING: 41.0

STANDARDS FSHP-42-2-00E



VERTICAL CURVE DATA GILCREASE EXPRESSWAY

5



PROFILE GRADE LINE NORTH LANSING PLACE

5



GENERAL PLAN AND ELEVATION

EMERGENCY REPAIRS - BRIDGE 427A (WB GILCREASE EXPY. OVER N. LANSING PL.) PROJECT PL 24-01

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
6100 S. VALE AVE., SUITE 1300 Phone: (918) 250-5922
TULSA, OKLAHOMA 74136 Fax: (918) 858-0107



DRAWN	DJG 6/26	APPROVED:
DESIGNED	ZMB 6/26	
SURVEY		
PROJ. MGR.	WJD 6/26	
LEAD MGR.	WJD 6/26	
FIELD MGR.	WJD 6/26	

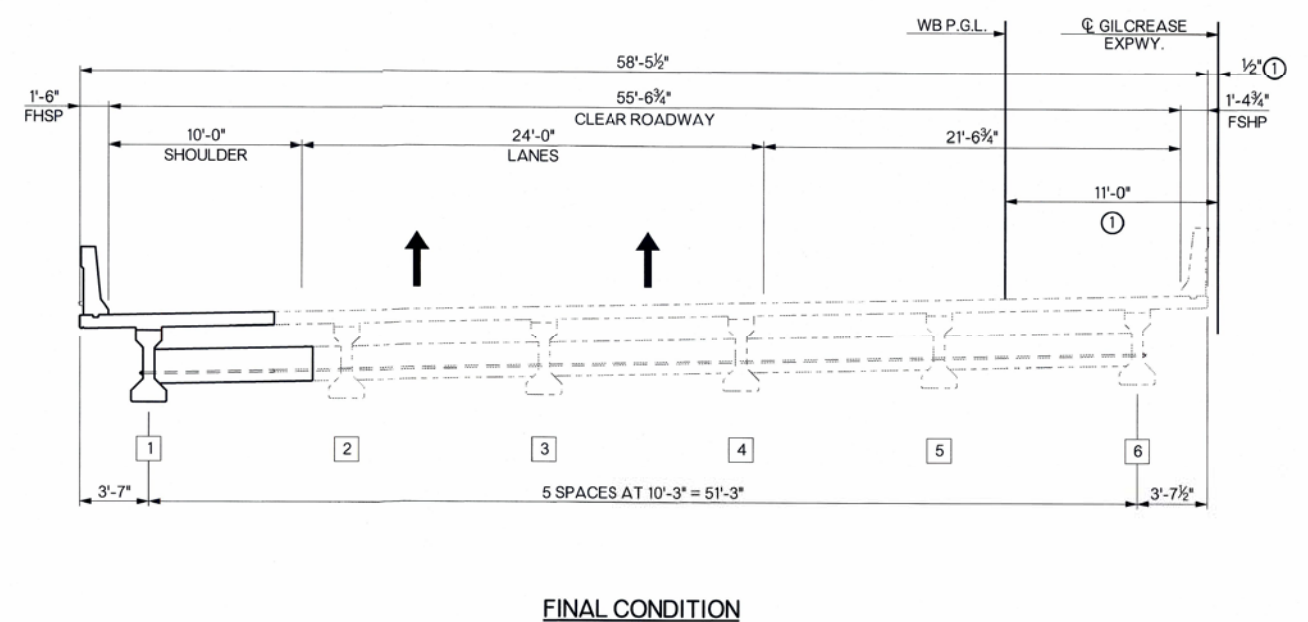
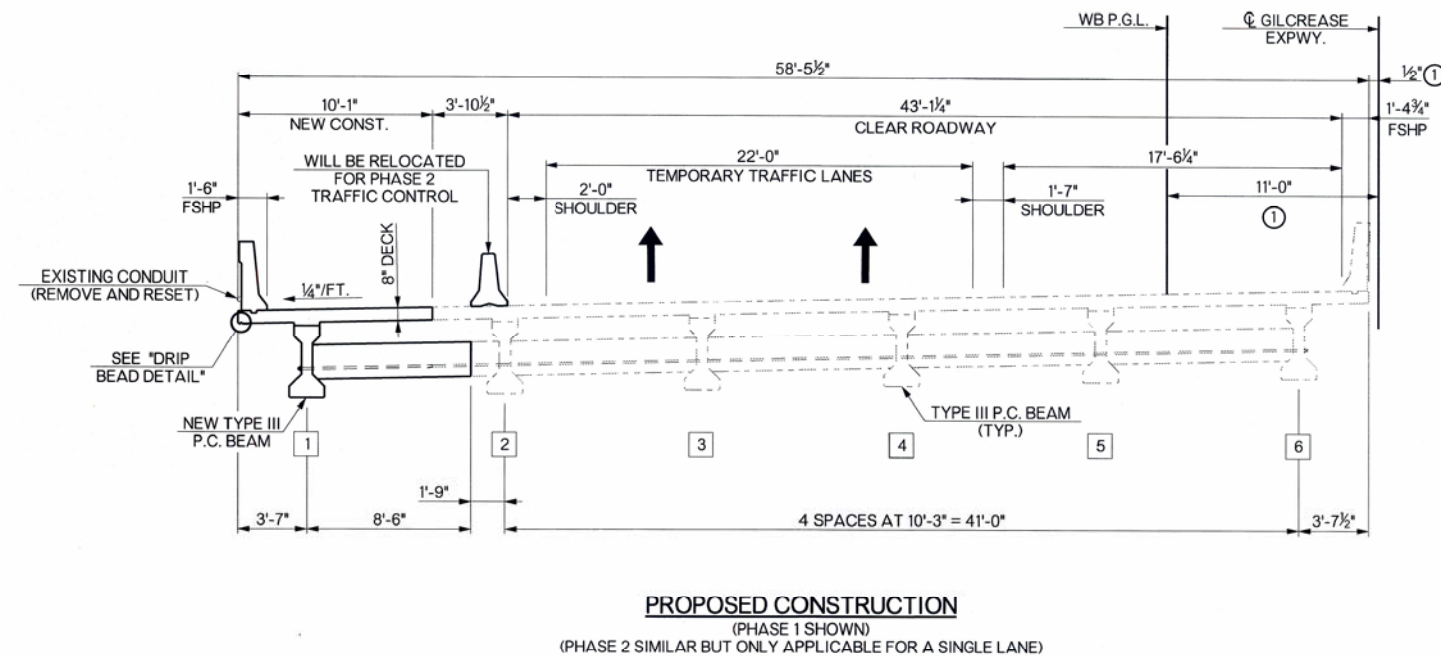
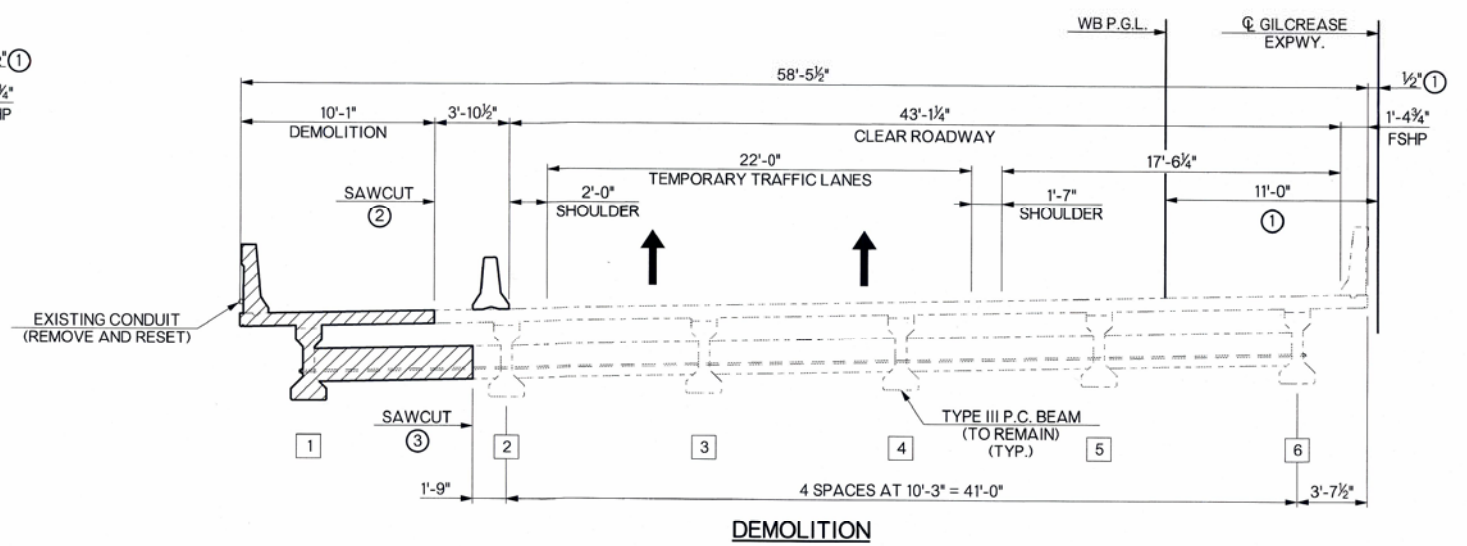
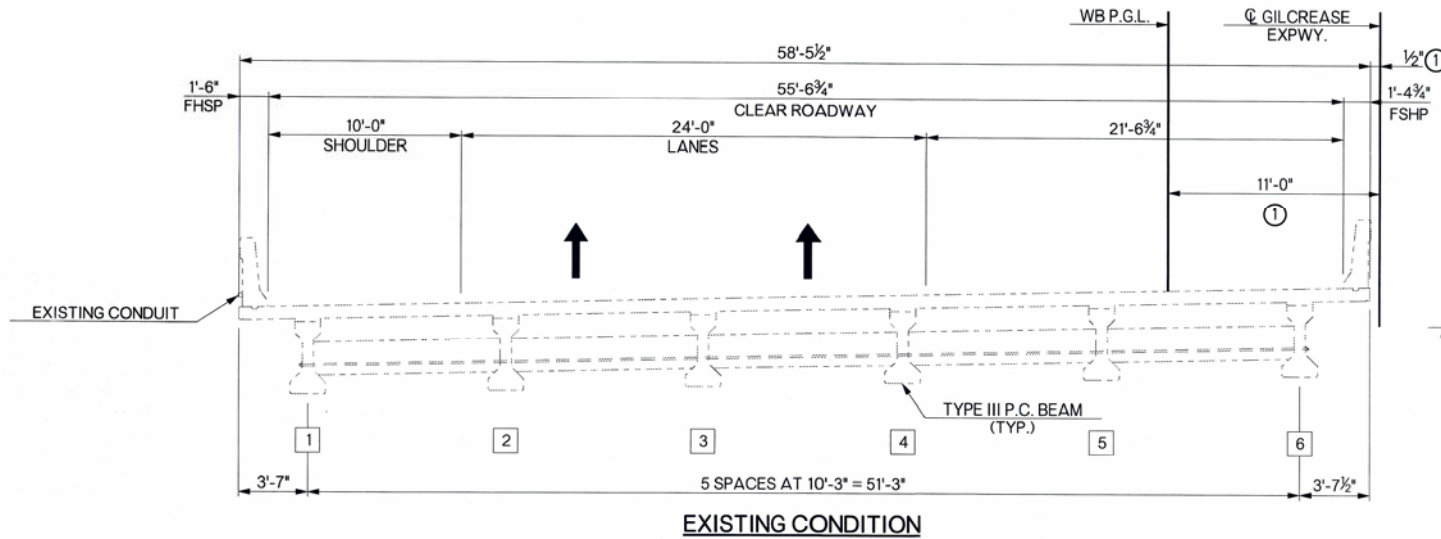
PLAN SCALE
PROFILE SCALE
HORIZONTAL:

RECOMMENDED:
HAS 9-26
DESIGN MANAGER
CITY ENGINEER

ADVERTISE DATE:
REVISION BY DATE

FILE: DRAWING: DATE: 9/14/2021
ATLAS PAGE NO. 103 SHEET 4 OF 27 SHEETS

INFORMATION INCLUDED IN THESE PLANS IS BASED ON THE EXISTING AS-BUILT PLANS. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO ACCURATELY VERIFY THIS INFORMATION PRIOR TO ANY DEMOLITION OR CONSTRUCTION. FOR ADDITIONAL INFORMATION, SEE GENERAL NOTE "VERIFICATION OF EXISTING CONDITIONS" ON SHEET NO. 2.

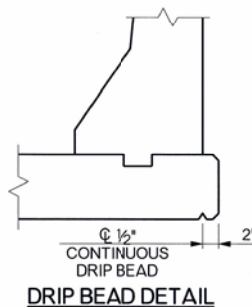


SEQUENCE OF REMOVAL:

1. SHIFT WESTBOUND TRAFFIC & INSTALL CONCRETE BARRIERS TO CLOSE OFF OUTSIDE SHOULDER ON BRIDGE.
2. REMOVE AND STORE EXISTING LIGHT POLE AND ASSOCIATED CONDUIT TO BE REUSED. SEE PAY ITEM NOTE (B9) ON SHEET NO. 2 FOR ADDITIONAL INFORMATION.
3. REMOVE PORTIONS OF THE PIER CAP SHIELD AT NORTH END OF PIER NOS. 1 & 2.
4. REMOVE NORTH CONCRETE PARAPET IN SPAN NO. 2 & AT PIER NOS. 1 & 2.
5. SAWCUT & PARTIALLY REMOVE THE BRIDGE DECK ON EITHER SIDE OF PIER NOS. 1 & 2.
6. SAWCUT & PARTIALLY REMOVE THE BRIDGE DECK IN SPAN NO. 2.
7. REMOVE PORTION OF EXISTING END AND INTERMEDIATE DIAPHRAGMS IN BAY NO. 1 OF SPAN NO. 2.
8. REMOVE THE EXISTING ANCHOR BOLT NUTS & WASHERS AT EACH BEARING LOCATION AT BEAM NO. 1 IN SPAN NO. 2 AT PIER NOS. 1 & 2.
9. REMOVE THE DAMAGED BEAM ALONG WITH THE EXISTING ANCHOR PLATES.

SEQUENCE OF CONSTRUCTION:

1. APPLY ELASTOMERIC COATING TO PIER CAP SHIELD AT THE NORTH ENDS OF PIER NOS. 1 & 2.
2. INSTALL NEW ANCHOR PLATES AT EACH BEARING LOCATION AT BEAM NO. 1 IN SPAN NO. 2 AT PIER NOS. 1 & 2. FIELD WELD NEW CONTACT PLATES TO NEW ANCHOR PLATES.
3. INSTALL NEW BEAM NO. 1 IN SPAN NO. 2.
4. FIELD WELD THE NEW BEAM NO. 1 EMBED PLATE TO THE NEW ANCHOR PLATE IN SPAN NO. 2 AT PIER NOS. 1 & 2.
5. INSTALL NEW NUTS & WASHERS ON THE ANCHOR BOLTS AT EACH BEARING LOCATION AT BEAM NO. 1 IN SPAN NO. 2 AT PIER NOS. 1 & 2.
6. INSTALL NEW INTERMEDIATE AND END DIAPHRAGMS.
7. CONSTRUCT FORM WORK AND INSTALL NEW REINFORCEMENT FOR THE NEW PARTIAL DECK.
8. TEMPORARILY REDUCE WESTBOUND TRAFFIC DOWN TO ONE LANE DURING THE POURING OF THE NEW PARTIAL DECK.
9. CONSTRUCT THE NEW PARTIAL DECK FOLLOWING THE NUMERICAL SEQUENCE SHOWN IN THE PLANS.
10. CONSTRUCT THE NEW NORTH CONCRETE PARAPET IN SPAN NO. 2 & AT PIER NOS. 1 & 2.
11. REINSTALL THE EXISTING ELECTRICAL CONDUIT ON THE NORTH CONCRETE PARAPET AND AT THE ENDS OF BOTH PIER CAPS.
12. REATTACH THE EXISTING LIGHT POLE TO THE NORTH END OF PIER NO. 1.
13. RESTRIPE BRIDGE DECK & APPROACH ROADWAY.
14. RESUME NORMAL WESTBOUND TRAFFIC OPERATIONS.



LEGEND

- EXISTING STRUCTURE
- EXISTING STRUCTURE DEMOLITION
- PROPOSED STRUCTURE
- PORTABLE LONGITUDINAL BARRIER

① MEASUREMENT IS TO GILCREASE EXPRESSWAY.

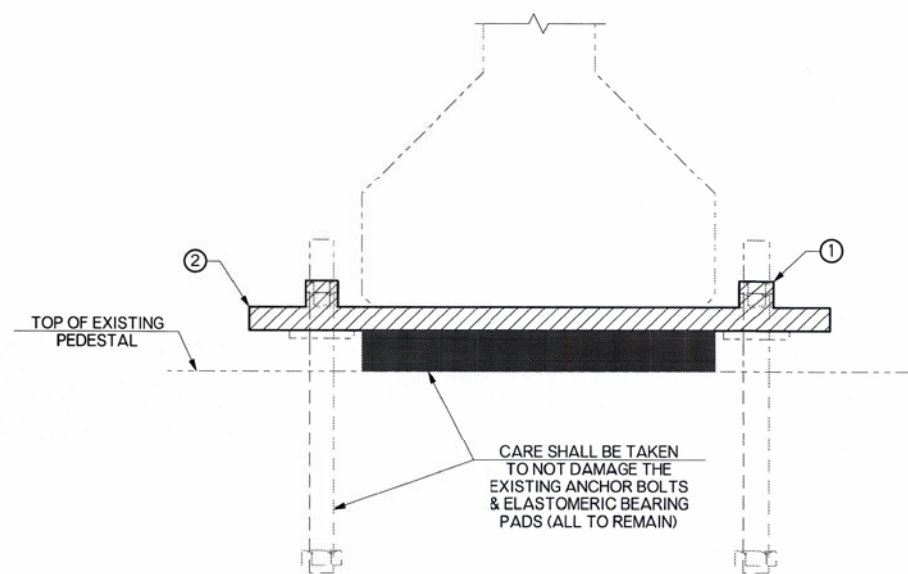
② THE CONTRACTOR SHALL TAKE CARE TO NOT DAMAGE OR CUT THE TRANSVERSE REINFORCING STEEL IN THE EXISTING DECK, UNLESS OTHERWISE NOTED.

③ THE CONTRACTOR SHALL TAKE CARE TO NOT DAMAGE OR CUT THE LONGITUDINAL REINFORCING STEEL IN THE EXISTING END OR INTERMEDIATE DIAPHRAGMS, UNLESS OTHERWISE NOTED.

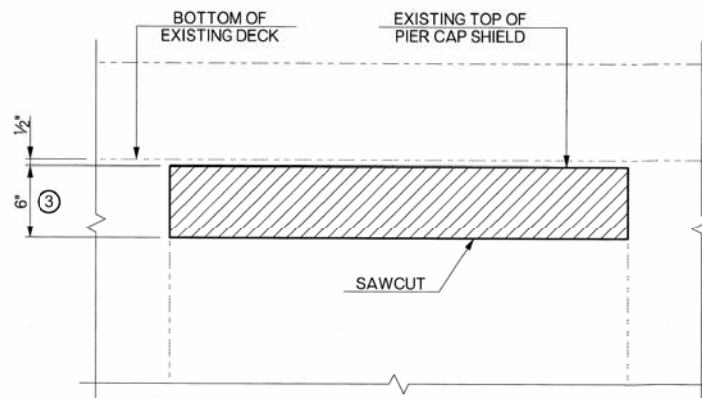


SEQUENCE OF CONSTRUCTION			
EMERGENCY REPAIRS - BRIDGE 427A (WB GILCREASE EXPY. OVER N. LANSING PL.) PROJECT PL 24-01			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY: 6100 S. YALE AVE., SUITE 1300 TULSA, OKLAHOMA 74136 Phone: (918) 250-5922 Fax: (918) 858-0107			
DRAWN	DJG	6/26	APPROVED:
DESIGNED	ZMB	6/26	
SURVEY			
PROJ. MGR.	WJD	8/27/26	
PLAN SCALE	LEAD MGR. WJD 8/27/26		
PROFILE SCALE	FIELD MGR. WJD 8/27/26		
HORIZONTAL:	RECOMMENDED:		
VERTICAL:	DESIGN MANAGER HKS 9-26		
FILE:	DRAWING: DATE: 7/12/2021		
ATLAS PAGE NO.	163	SHEET 5 OF 27 SHEETS	

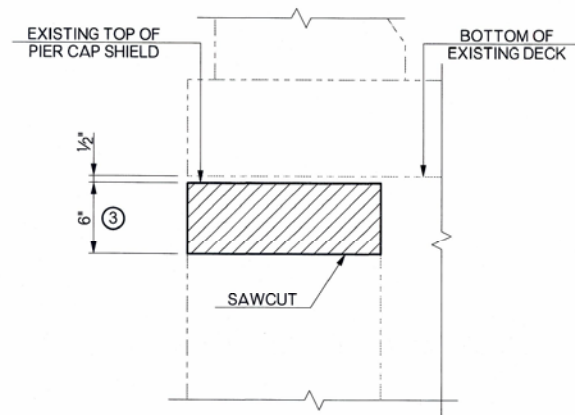
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PARTIAL REMOVAL OF BEARING ASSEMBLY
(BEAM NO. 1, SPAN NO. 2, PIER NOS. 1 & 2 ONLY)

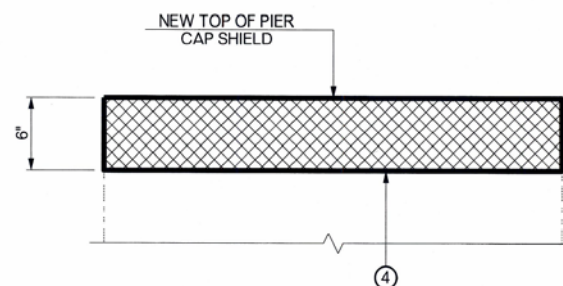


ELEVATION

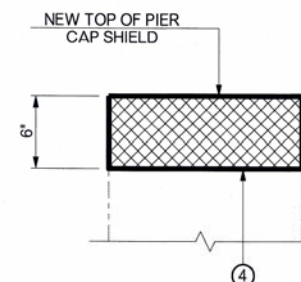


SIDE

PIER CAP SHIELD REMOVAL DETAILS
(NORTH END OF PIER NOS. 1 & 2 ONLY)



ELEVATION



SIDE

PIER CAP SHIELD CONCRETE TREATMENT DETAILS
(NORTH END OF PIER NOS. 1 & 2 ONLY)

- 1 AFTER PARTIAL REMOVAL OF THE BRIDGE DECK, THE CONTRACTOR SHALL REMOVE THE EXISTING ANCHOR BOLT NUTS & WASHERS AT EACH BEARING LOCATION AT BEAM NO. 1 IN SPAN NO. 2 AT PIERS NOS. 1 & 2.
- 2 ONCE THE EXISTING ANCHOR BOLT NUTS & WASHERS HAVE BEEN REMOVED, THE CONTRACTOR SHALL LIFT OFF THE DAMAGED BEAM ALONG WITH THE EXISTING ANCHOR PLATES.

THE ANCHOR PLATE, NUTS, & WASHERS FOR BEAM NO. 1, AT SPAN NO. 2, PIERS NOS. 1 & 2 SHALL BE REPLACED IN "LIKE-KIND". SEE THE CONSTRUCTION AS-BUILT PLANS (SHEET B24) FOR SPECIFIC DETAILS.
- 3 AFTER THE PARTIAL REMOVAL OF THE DECK & REMOVAL OF THE BEAM NO. 1 IN SPAN NO. 2, THE CONTRACTOR SHALL SAWCUT & REMOVE THE TOP 6" OF THE PIER CAP SHIELDS AT PIER NOS. 1 & 2.
- 4 MASK SIDES AND ENDS OF SHIELD ALONG THIS LINE TO PROVIDE A CLEAN STRAIGHT FINISH AT THE BOTTOM OF ELASTOMERIC COATING APPLICATION. SEE PAY ITEM NOTE (B8) ON SHEET NO. 2 FOR ELASTOMERIC COATING SPECIFICATIONS.

LEGEND

- EXISTING STRUCTURE
- /// EXISTING STRUCTURE DEMOLITION
- XXX ELASTOMERIC COATING



MISCELLANEOUS REMOVAL DETAILS
EMERGENCY REPAIRS - BRIDGE 427A (WB GILCREASE EXPY. OVER N. LANSING PL.) PROJECT PL 24-01

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
6100 S. YALE AVE., SUITE 1300 Phone: (918) 250-5922
TULSA, OKLAHOMA 74136 Fax: (918) 858-0107

DRAWN: DJG 6/26
DESIGNED: ZMB 6/26
SURVEY:
PROJ. MGR.: [Signature] 11/2/14
LEAD MGR.: [Signature] 2/2/15
FIELD MGR.: [Signature] 9/1/16
RECOMMENDED:

PLAN SCALE:
PROFILE SCALE:
HORIZONTAL:
VERTICAL: [Signature] 9/1/16
DESIGN MANAGER: [Signature]
CITY ENGINEER: [Signature]

ADVERTISE DATE:
REVISION: BY DATE
FILE: DRAWING: DATE: 9/14/2026
ATLAS PAGE NO. 163 SHEET 6 OF 27 SHEETS

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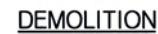
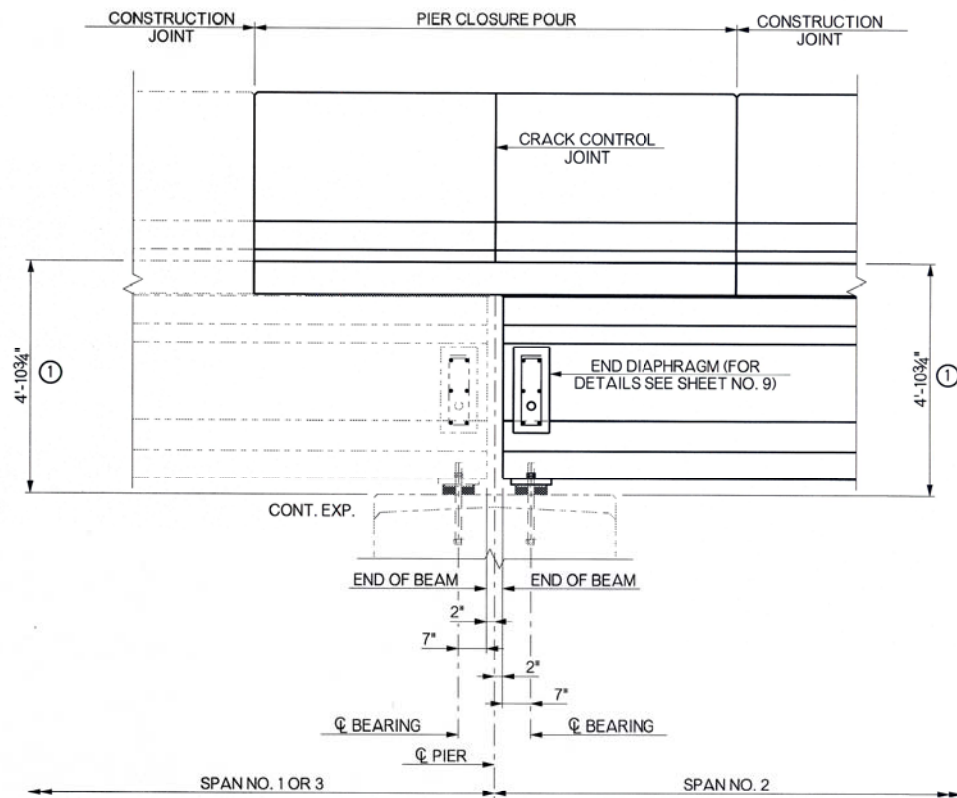


Diagram illustrating the plan view of the bridge deck structure, showing spans, joints, and deck sections.

- The bridge is divided into three spans: SPAN NO. 1, SPAN NO. 2, and SPAN NO. 3.
- Span NO. 1 and Span NO. 2 are labeled "EXIST. DECK (TO REMAIN)".
- Span NO. 3 is labeled "EXIST. DECK (TO REMAIN)".
- Construction joints (CONST. JOINT) are indicated between the spans.
- Deck sections are numbered: 2 (left), 1 (middle), and 2 (right).
- Dimensions for the deck sections are given as 5'-0" and 5'-0" for each span.

DATE: 9/14/2026

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TYPICAL PIER
(TYPE III P.C. BEAM)

BAR LIST - SUPERSTRUCTURE				
MARK	SIZE	NO.	FORM	LENGTH
EPOXY COATED REINFORCING STEEL				
A1	#7	136	BENT	10'-7"
B1	#6	50	STR.	9'-9"
B2	#5	44	STR.	9'-9"
EB1	#5	11	STR.	66'-6"
EB2	#4	20	STR.	9'-8"
ET1	#4	11	STR.	64'-3"
ET2	#4	20	STR.	9'-8"
FS2	#5	66	BENT	7'-4"

③ INCLUDES ONE 3'-10" LAP LENGTH.

④ INCLUDES ONE 1'-7" LAP LENGTH.

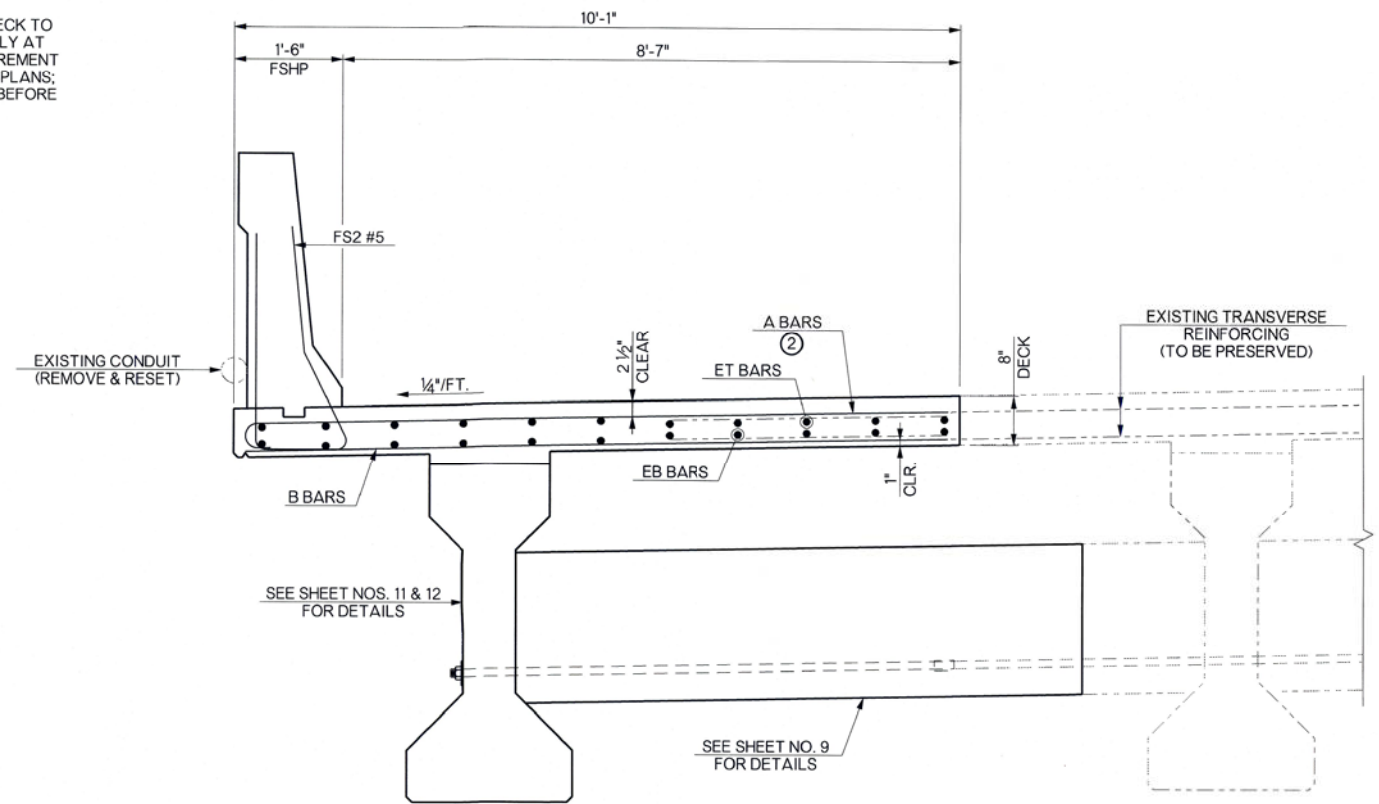
SUMMARY OF QUANTITIES - SUPERSTRUCTURE		
ITEM	UNIT	TOTAL
PRESTRESSED CONCRETE BEAMS (TYPE III)	LF	52.67
42" F-SHAPED PARAPET	LF	63.00
STRUCTURAL STEEL	LB	100.00
STAINLESS STEEL EXP. BEARING ASSEMBLY	EA	2.00
CLASS AA CONCRETE	CY	17.70
EPOXY COATED REINFORCING STEEL	LB	6,300.00
WATER REPELLENT (VISUALLY INSPECTED)	SY	178.00
SEALER CRACK PREPARATION	LF	161.00
SEALER RESIN	GAL	1.30

CONCRETE TREATMENT DETAILS

- ⑤ WATER REPELLENT TO BE APPLIED TO TOP OF NEW DECK, ALL FACES OF THE NEW PARAPET, OVERHANG AND EXTERIOR FACE AND BOTTOM OF THE NEW BEAM.

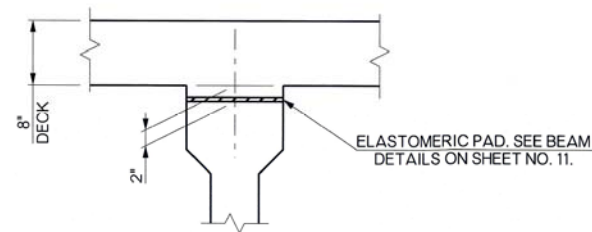
- ① DIMENSION IS FROM TOP OF DECK TO BOTTOM OF BEARING ASSEMBLY AT CENTERLINE BEARING. MEASUREMENT IS TAKEN FROM THE AS-BUILT PLANS; CONTRACTOR SHALL VERIFY BEFORE ANY REMOVALS.

INTERMEDIATE DIAPHRAGM (FOR DETAILS SEE SHEET NO. 9)



SECTION A-A

- ② ROTATE A BARS TO PROVIDE THE MINIMUM CLEAR COVER AS SHOWN.



BEAM HAUNCH DETAIL

NOTE:
PLAN QUANTITIES FOR CLASS AA CONCRETE INCLUDE BEAM HAUNCHES. THE HAUNCH HEIGHT SHOWN IS THE THEORETICAL HAUNCH HEIGHT AT THE CENTERLINE BEARING ONLY, MEASURED FROM BOTTOM OF DECK TO TOP OF BEAM, AND VARIES ACROSS THE SPAN. DETERMINE THE ACTUAL HAUNCH HEIGHT (ACCOUNTING FOR BEAM CAMBER, DEAD LOAD DEFLECTION AND ROADWAY GRADE) AFTER ERECTION OF THE BEAMS AND SUBMIT TO THE ENGINEER FOR APPROVAL. THE ENGINEER WILL NOT MEASURE DIFFERENCES BETWEEN THE THEORETICAL AND THE ACTUAL HAUNCH HEIGHTS FOR PAYMENT.

STAY-IN-PLACE DECK FORM NOTES:
STAY-IN-PLACE DECK FORMS MAY NOT BE USED.

NOTE:
DO NOT PLACE THE CONCRETE FOR THE BRIDGE DECK OR OTHER SUBSTANTIAL LOADS TO THE BEAMS OR DIAPHRAGMS UNTIL THE CONCRETE IN THE DIAPHRAGMS HAS BEEN IN PLACE A MINIMUM OF 10 DAYS OR AT THE DISCRETION OF THE ENGINEER. THIS TIME MAY BE SHORTENED IF THE CONCRETE HAS ATTAINED 80% OF THE STANDARD COMPRESSIVE STRENGTH.

FOR THE PARTIAL DECK POURING SEQUENCE DIAGRAM, SEE SHEET NO. 7.



DECK LAYOUT (SHEET 2 OF 2)

EMERGENCY REPAIRS - BRIDGE 427A (WB GILCREASE EXPY. OVER N. LANSING PL.) PROJECT PL 24-01

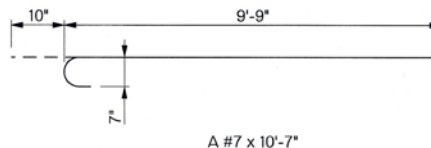
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
6100 S. YALE AVE., SUITE 1300 Phone: (918) 250-5922
TULSA, OKLAHOMA 74136 Fax: (918) 858-0107

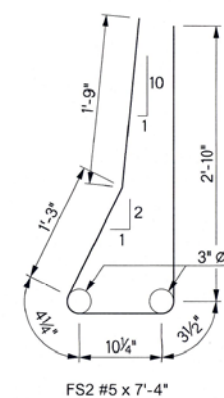
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DESIGNED	ZMB	06/26	
SURVEY			
PROJ. MGR.	WJD	9/1/26	
LEAD MGR.		9/1/26	
FIELD MGR.	WJD	9/1/26	
RECOMMENDED:			

PLAN SCALE		VERTICAL:	
PROFILE SCALE		DESIGN MANAGER	
HORIZONTAL:		CITY ENGINEER	
FILE:		DATE:	9/1/2026
ATLAS PAGE NO.	163	SHEET	8 OF 27 SHEETS

ADVERTISE DATE:		BY	DATE
REVISION			

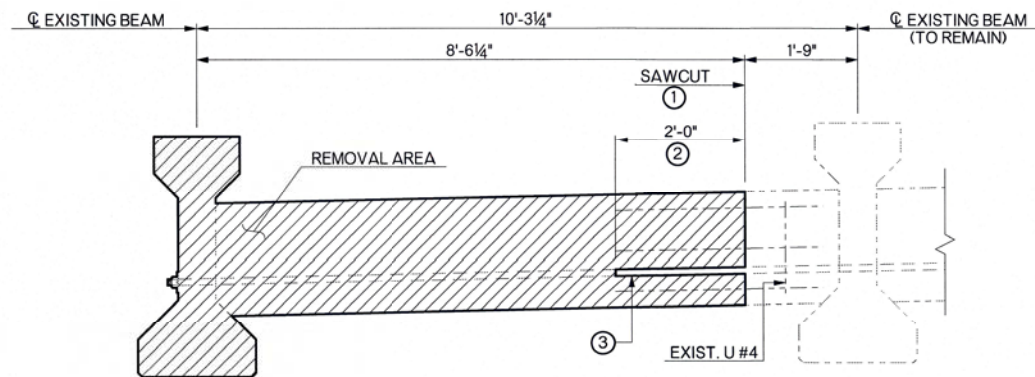


A #7 x 10'-7"

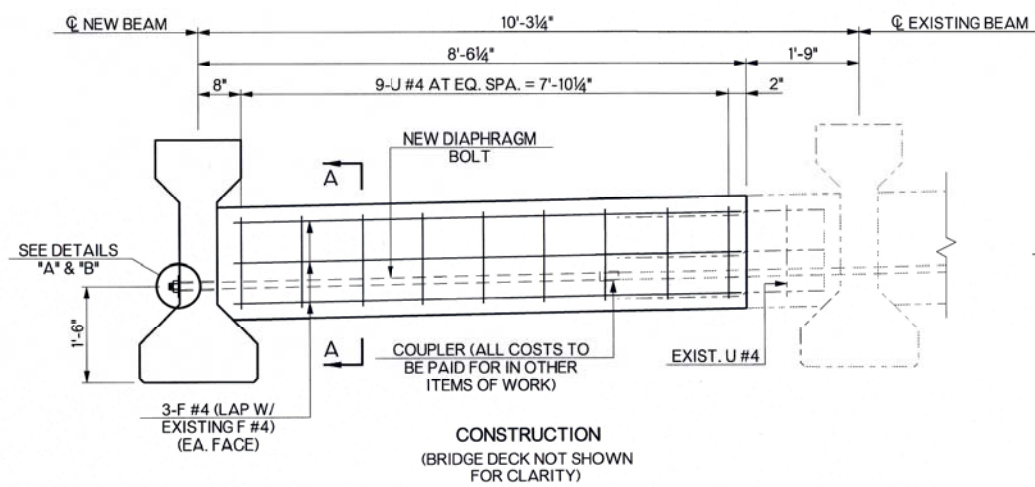


FS2 #5 x 7'-4"

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DEMOLITION
(BRIDGE DECK NOT SHOWN
FOR CLARITY)

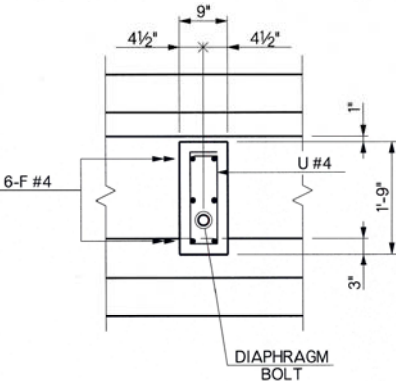


PARTIAL REPLACEMENT OF DIAPHRAGMS

BAR LIST - DIAPHRAGMS ④				
MARK	SIZE	NO.	FORM	LENGTH
EPOXY COATED REINFORCING STEEL				
F	#4	6	STR.	7'-11"
U	#4	9	BENT	4'-1"

④ ONE SHOWN, THREE REQUIRED

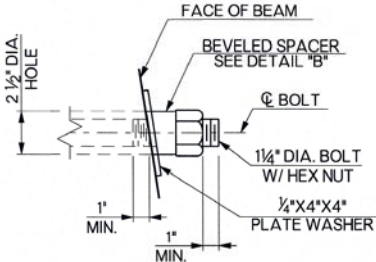
- ① THE CONTRACTOR SHALL TAKE CARE TO NOT DAMAGE OR CUT THE LONGITUDINAL REINFORCING STEEL IN THE EXISTING END OR INTERMEDIATE DIAPHRAGMS.
- ② CLEAN, STRAIGHTEN, AND PRESERVE THE EXISTING F #4 BARS TO THE EXTENTS SHOWN.
- ③ CUT EXISTING DIAPHRAGM BOLT TO EXTENTS SHOWN. CLEAN AND PREPARE EXISTING BOLT TO ATTACH BOLT COUPLER.



SECTION A-A
(BRIDGE DECK NOT SHOWN
FOR CLARITY)

DIAPHRAGM BOLT NOTES:
PROVIDE STRUCTURAL STEEL FOR DIAPHRAGM BOLTS AND PLATE WASHERS IN ACCORDANCE WITH AASHTO M270 (ASTM A709), GRADE 50W (WEATHERING STEEL, CHARPY V-NOTCH TESTING NOT REQUIRED). THE CONTRACTOR MAY SUBSTITUTE A #10 REINFORCING BAR IN ACCORDANCE WITH AASHTO M31, GRADE 60, AND THREADED AT THE ENDS AS SHOWN FOR THE DIAPHRAGM BOLT AT NO ADDITIONAL COST TO THE CITY OF TULSA. PROVIDE HEX NUTS IN ACCORDANCE WITH AASHTO M291 (ASTM A563).

PAINT EXPOSED DIAPHRAGM BOLT, PLATE WASHER, BEVELED SPACER, AND HEX NUT WITH TWO (2) COATS OF ZINC-RICH PAINT (6 MIL. MINIMUM THICKNESS) AFTER ASSEMBLY. INCLUDE ALL COST OF DIAPHRAGM BOLT, PLATE WASHER, BEVELED SPACER, AND HEX NUT IN THE CONTRACT UNIT PRICE PER POUND OF "STRUCTURAL STEEL".



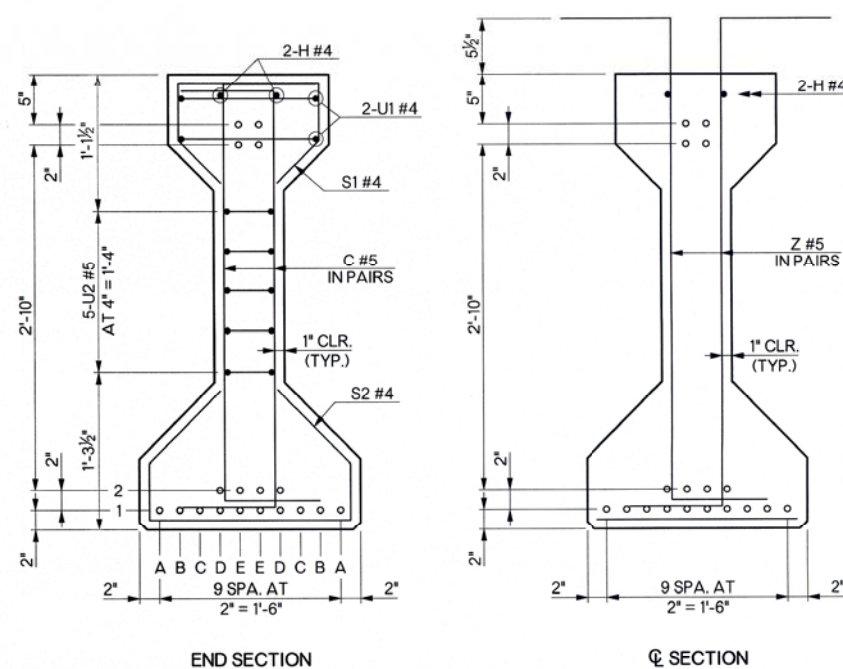
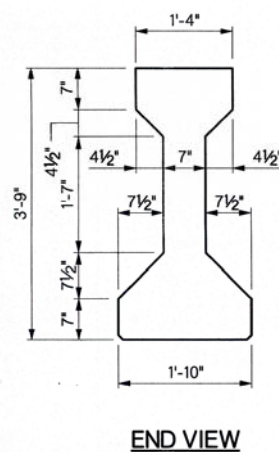
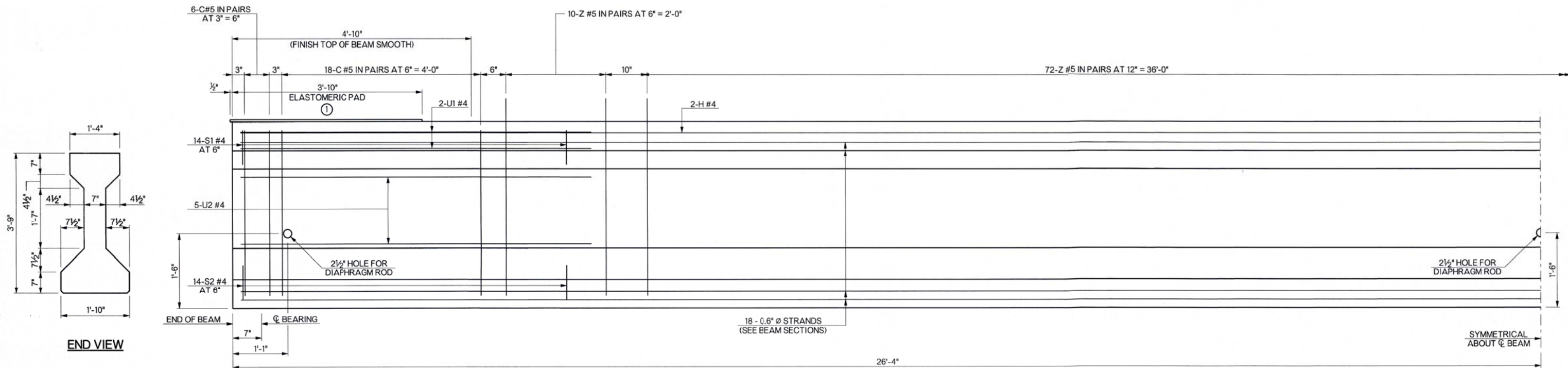
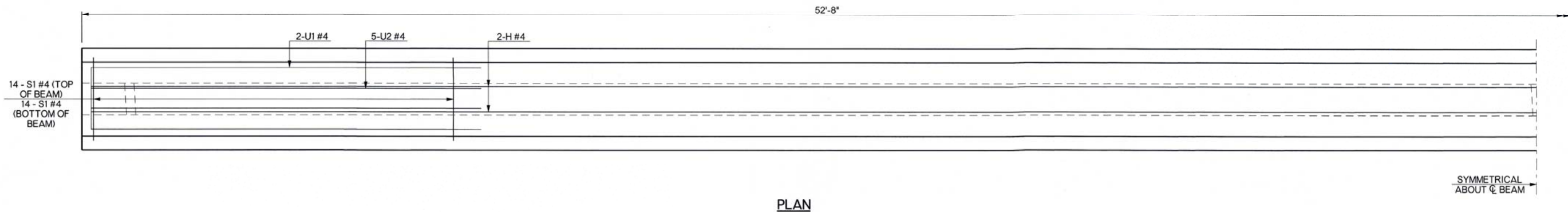
DETAIL "A"



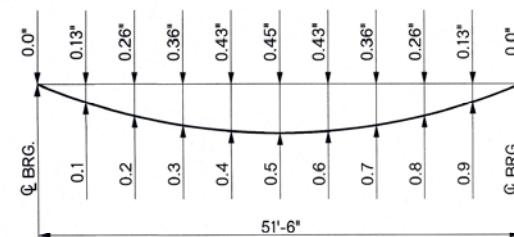
DETAIL "B"



SUPERSTRUCTURE DETAILS (SHEET 1 OF 2)	
EMERGENCY REPAIRS - BRIDGE 427A (WB GILCREASE EXPY. OVER N. LANSING PL.) PROJECT PL 24-01	
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT	
PLANS AND ESTIMATES PREPARED BY: 8100 S. YALE AVE., SUITE 1300 Phone: (918) 260-5922 TULSA, OKLAHOMA 74136 Fax: (918) 858-0107	
DRAWN: S.J.L. 06/26	APPROVED:
DESIGNED: Z.M.B. 06/26	
SURVEY:	
PROJ. MGR. [Signature] 8/2/26	
LEAD MGR. [Signature] 8/1/26	
FIELD MGR. [Signature] 8/1/26	
PLAN SCALE:	RECOMMENDED:
PROFILE SCALE:	
HORIZONTAL:	
VERTICAL:	
FILE:	DESIGN MANAGER: [Signature] 8/2/26
ATLAS PAGE NO. 163	CITY ENGINEER: [Signature]
	DATE: 8/14/2026
	SHEET 9 OF 27 SHEETS



BEAM SECTIONS
(18 - 0.6" Ø STRANDS)



DEAD LOAD DEFLECTION DIAGRAM

NOTE:
THE DEAD LOAD DEFLECTION SHOWN ABOVE AT THE TENTH POINTS ARE THE INITIAL DEFLECTIONS DUE TO DECK + DIAPHRAGMS + 42" F-SHAPED PARAPET. IT DOES NOT INCLUDE THE BEAM WEIGHT OR FUTURE WEARING SURFACE.

① ELASTOMERIC PAD SHALL HAVE A 50 DUROMETER HARDNESS AND CONSIST OF A SINGLE LAYER 1/2" THICK AND 3'-10 1/2" X 1'-4" WIDE. THE PAD SHALL EXTEND 1/2" BEYOND THE END OF THE BEAM AS SHOWN.

PRESTRESSED CONCRETE BEAM NOTES:
COMPRESSION STRENGTH:
THE REQUIRED COMPRESSION STRENGTH OF THE CONCRETE IS 4,500 P.S.I. AT TRANSFER OF PRESTRESS AND 6,000 P.S.I. AT 28 DAYS.

STRAND TYPE:
THE REQUIRED STRAND TYPE IS LOW-RELAXATION. USE STRANDS HAVING A NOMINAL DIAMETER OF 0.6" WITH ULTIMATE TENSILE STRENGTH OF 270 K.S.I.

LFD OPERATING RATING - HS 41.0

THE OPERATING RATING SHOWN IS BASED ON A NOMINAL STRENGTH USING ALL STRANDS WITHIN THE BEAM.



BEAM DETAILS (SHEET 1 OF 2)

EMERGENCY REPAIRS - BRIDGE 427A (WB GILCREASE EXPY. OVER N. LANSING PL.) PROJECT PL 24-01

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
6100 S. YALE AVE., SUITE 1300 Phone: (918) 250-5922
TULSA, OKLAHOMA 74136 Fax: (918) 558-0107

GARVER
DRAWN: DJG 06/26
DESIGNED: ZMB 06/26
SURVEY:
PROJ. MGR. *[Signature]* 8/17/26
LEAD MGR. *[Signature]* 8/17/26
FIELD MGR. *[Signature]* 8/17/26
RECOMMENDED:

PLAN SCALE
PROFILE SCALE
HORIZONTAL:

DATE: 9/14/2024

DESIGN MANAGER

CITY ENGINEER

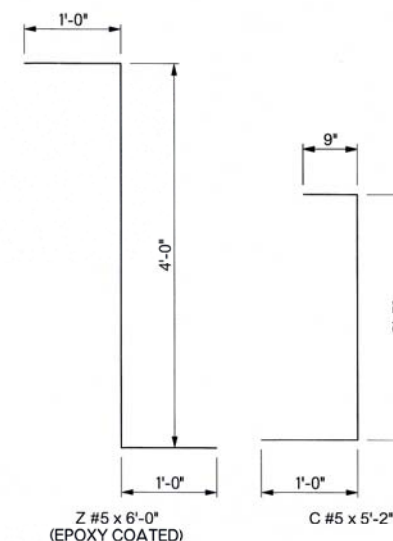
ADVERTISE DATE:
REVISION BY DATE

FILE: DRAWING: DATE: 9/14/2024

ATLAS PAGE NO. 163 SHEET 11 OF 27 SHEETS



NOTE:
INTENTIONALLY ROUGHEN THE ENTIRE TOP SURFACE OF P.C. BEAM, EXCEPT IN AREAS INDICATED IN THE PLANS, TO A MINIMUM HEIGHT OF 1/4" OVER A MAXIMUM PITCH OF 2" MEASURED LONGITUDINALLY ALONG THE LENGTH OF THE BEAM. PROVIDE A CREST AND TROUGH ASSOCIATED WITH THE HEIGHT OF NOT LESS THAN 1/2". PRODUCE THE ROUGHENED SURFACE BY USING A SPECIAL TROWEL TO FORM ONE OF THE SURFACES SHOWN IN THE DETAILS, BY CLEANING THE CONCRETE SURFACE WITH A STIFF WIRE BRUSH (OR BLASTING) TO EXPOSE THE AGGREGATE TO A HEIGHT OF 1/4", OR BY ANOTHER APPROVED METHOD. SUBMIT THE METHOD TO BE USED FOR APPROVAL BY THE ENGINEER. REPAIR ANY DAMAGE TO REINFORCEMENT'S EPOXY COATING BEFORE PLACEMENT OF DECK CONCRETE.



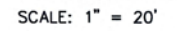
NOTE:
EMBEDDED SOLE PLATE LOCATED AT EACH END OF BEAM.

- ① ONCE THE NEW BEAM HAS BEEN INSTALLED, THE CONTRACTOR SHALL WELD THE EMBED PLATE TO THE NEW ANCHOR PLATE IN SPAN NO. 2 AT PIER NOS. 1 & 2.

SEE THE CONSTRUCTION AS-BUILT PLANS (SHEET B24) FOR "DETAIL A"
SHOWING THE SPECIFIC WELD INFORMATION.



ADVERTISE DATE:			VERTICAL:	DESIGN MANAGER	CITY ENGINEER
REVISION	BY	DATE			
			FILE:	DRAWING:	DATE: 9/14/2026
			ATLAS PAGE NO.	103	SHEET 12 OF 27 SHEETS

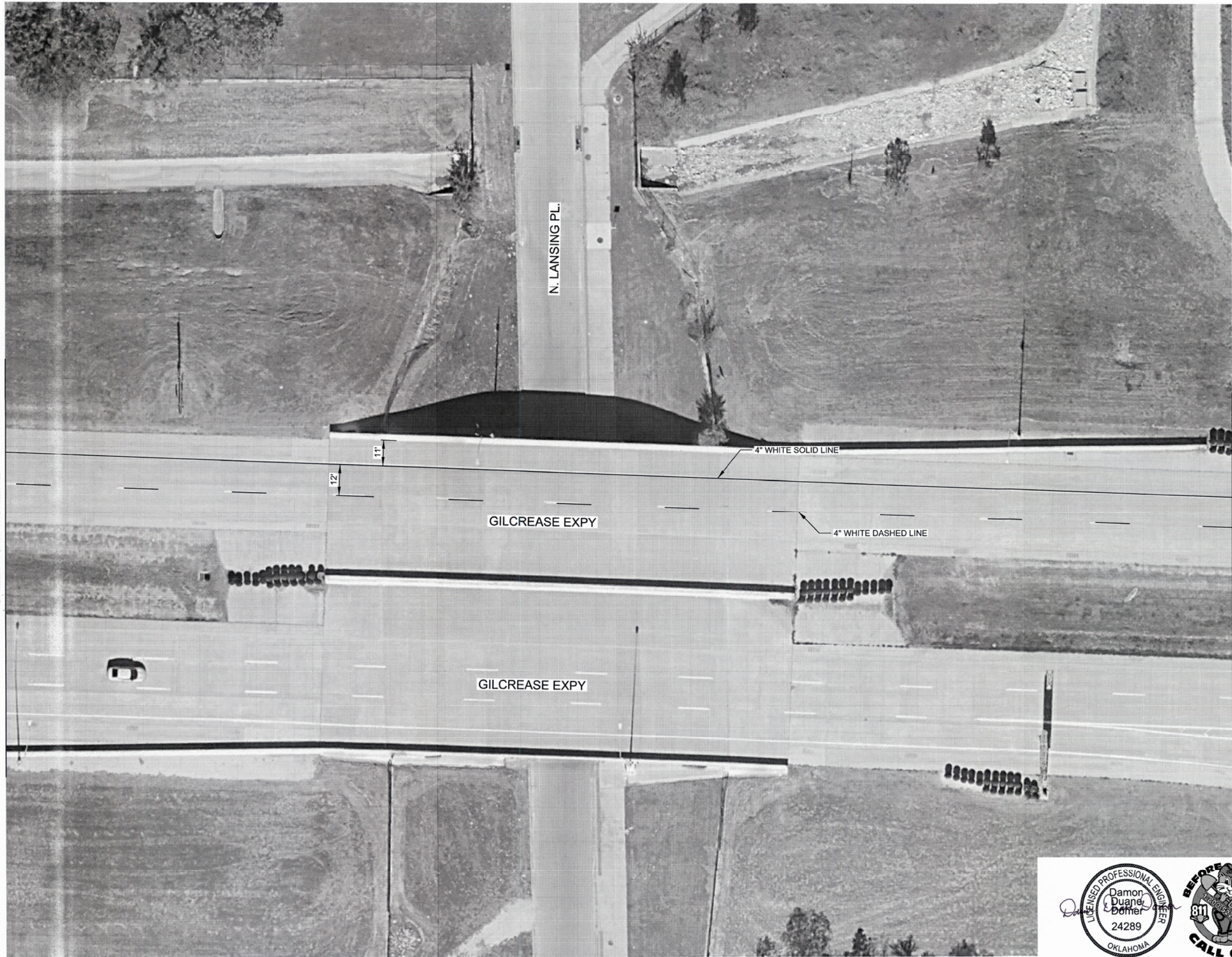


	4" WHITE DASHED LINE
	4" WHITE DOTTED LINE
	4" WHITE SOLID LINE
	4" DOUBLE YELLOW LINE
	24" SOLID WHITE LINE (STOP BAR) (CROSSWALK)
	4" SOLID YELLOW LINE
	4" DASHED YELLOW LINE
	8" WHITE GORE LINE
	8" YELLOW GORE LINE
	8" PARALLEL PARKING LINES WHITE
	WHITE YIELD LINE
	SHARROW
	BIKE LANE
	BIKE LANE
	WHITE ARROW
	SIGN

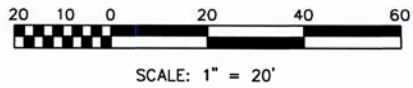
OVERHEAD AND UNDERGROUND UTILITIES IN PROJECT VICINITY

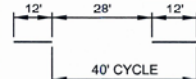
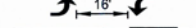
ADVERTISE DATE:			
REVISION	BY	DATE	

SHEET 13 MATCHLINE



SHEET 15 MATCHLINE



LEGEND:	
	4" WHITE DASHED LINE
	4" WHITE DOTTED LINE
	4" WHITE SOLID LINE
	4" DOUBLE YELLOW LINE
	24" SOLID WHITE LINE (STOP BAR) (CROSSWALK)
	4" SOLID YELLOW LINE 4" DASHED YELLOW LINE
	8" WHITE GORE LINE
	8" YELLOW GORE LINE
	8" PARALLEL PARKING LINES WHITE
	WHITE YIELD LINE
	SHARROW
	BIKE LANE
	BIKE LANE
	WHITE ARROW
	SIGN

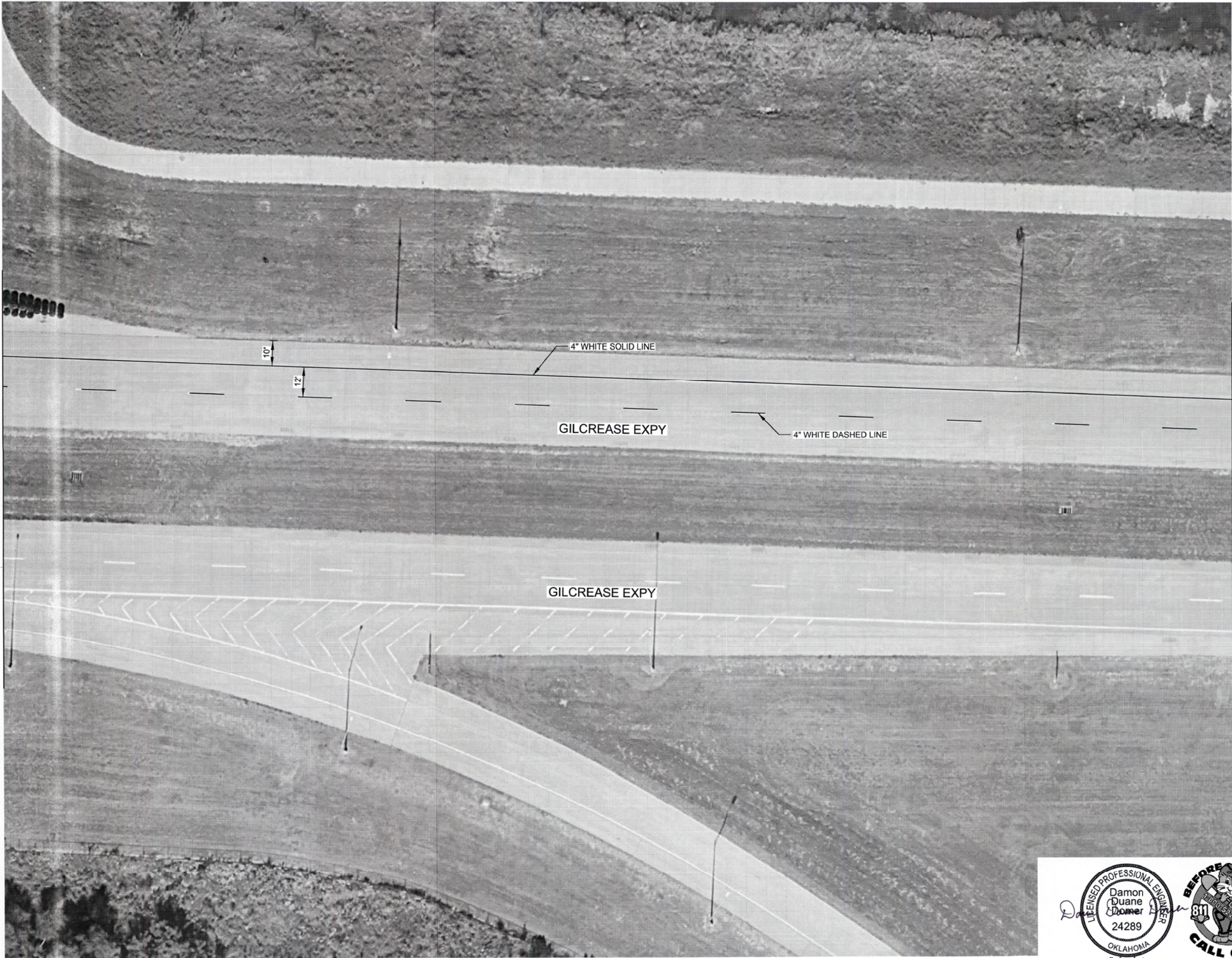
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OVERHEAD AND UNDERGROUND
UTILITIES IN PROJECT
VICINITY



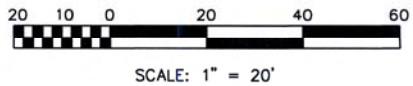
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REVISION	BY	DATE

STRIPING PLAN (SHEET 2 OF 4)	
EMERGENCY REPAIRS - BRIDGE 427A (WB GILCREASE EXPY. OVER N. LANSING PL.) PROJECT PL 24-01	
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT	
PLANS AND ESTIMATES PREPARED BY: 6100 S. YALE AVE., SUITE 1300 Phone: (918) 250-5922 TULSA, OKLAHOMA 74136 Fax: (918) 656-0107	
	APPROVED:
DRAWN: CTC 07/26	 DESIGN MANAGER CITY ENGINEER
DESIGNED: TJR 07/26	
SURVEY: N/A N/A	
PROJ. MGR. [Signature] 8/12/26	
LEAD MGR. [Signature] 8/12/26	DATE: 9/14/2026
FIELD MGR. [Signature] 8/12/26	
PLAN SCALE	SHEET 14 OF 27 SHEETS
PROFILE SCALE	
HORIZONTAL:	
VERTICAL:	
FILE:	
DRAWING:	
ATLAS PAGE NO. 163	

SHEET 14 MATCHLINE



SHEET 16 MATCHLINE



LEGEND:

- 4" WHITE DASHED LINE
- 4" WHITE DOTTED LINE
- 4" WHITE SOLID LINE
- 4" DOUBLE YELLOW LINE
- 24" SOLID WHITE LINE (STOP BAR) (CROSSWALK)
- 4" SOLID YELLOW LINE
- 4" DASHED YELLOW LINE
- 8" WHITE GORE LINE
- 8" YELLOW GORE LINE
- 8" PARALLEL PARKING LINES WHITE
- WHITE YIELD LINE
- SHARROW
- BIKE LANE
- BIKE LANE
- WHITE ARROW
- SIGN

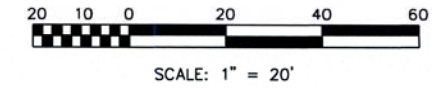
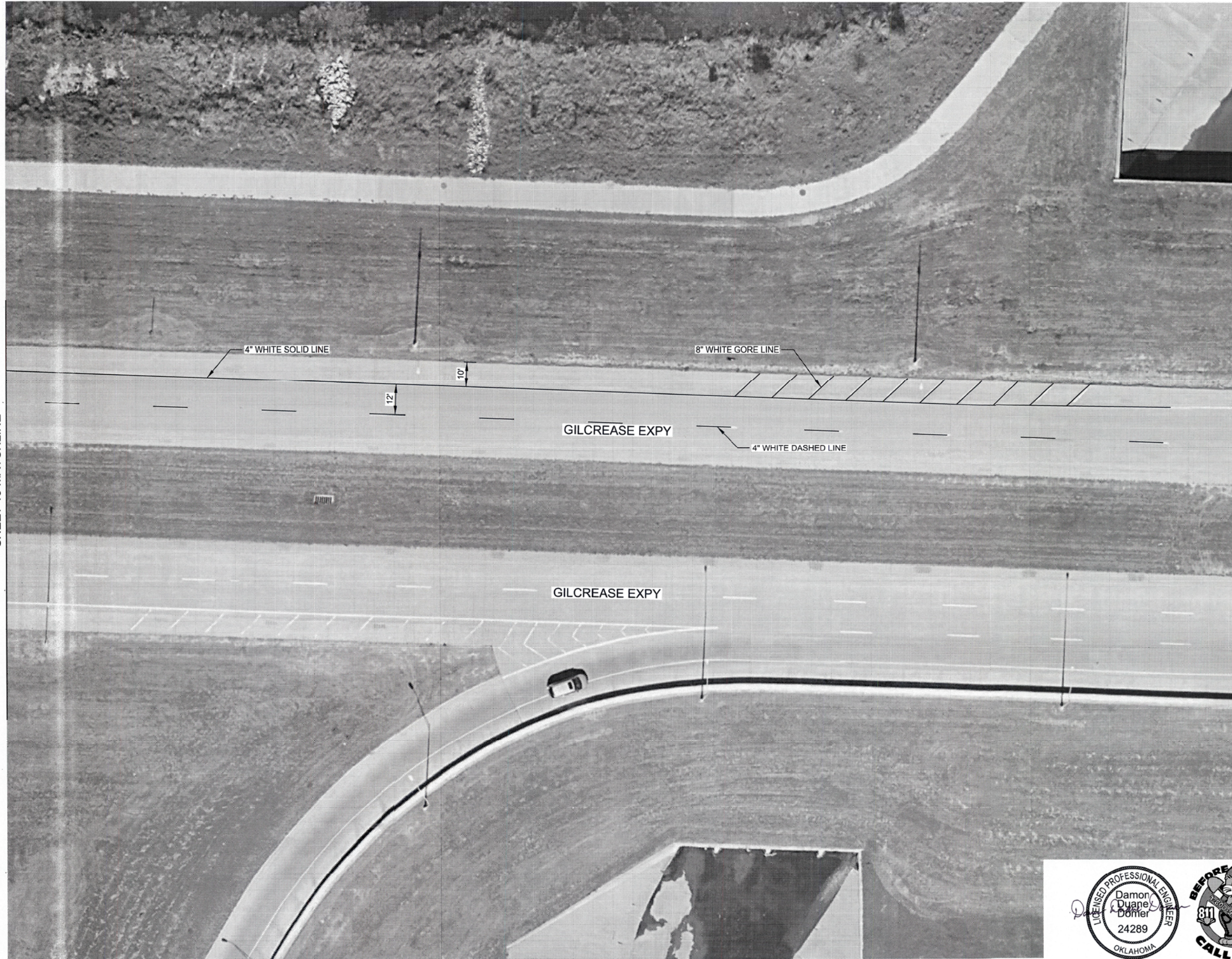
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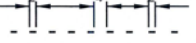
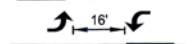
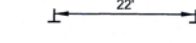
OVERHEAD AND UNDERGROUND
UTILITIES IN PROJECT
VICINITY



STRIPING PLAN (SHEET 3 OF 4)			
EMERGENCY REPAIRS - BRIDGE 427A (WB GILCREASE EXPY. OVER N. LANSING PL.) PROJECT PL 24-01			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY: 6100 S. YALE AVE. SUITE 1300 Phone: (918) 250-5922 TULSA, OKLAHOMA 74136 Fax: (918) 858-0107			
	DRAWN	CTC	07/26
	DESIGNED	TJR	07/26
	SURVEY	N/A	N/A
	PROJ. MGR.	WLD	4/17/24
	LEAD MGR.	WLD	9/15/26
FIELD MGR.		WLD	9/26
RECOMMENDED:		HAS 9-26	
DESIGN MANAGER		J. Williams	
CITY ENGINEER		J. Williams	
DATE: 9/19/2026		SHEET 15 OF 27 SHEETS	
ADVERTISE DATE:		REVISION	
BY		DATE	
FILE:		DRAWING:	
ATLAS PAGE NO.		163	

SHEET 15 MATCHLINE



LEGEND:	
	4" WHITE DASHED LINE
	4" WHITE DOTTED LINE
	4" WHITE SOLID LINE
	4" DOUBLE YELLOW LINE
	24" SOLID WHITE LINE (STOP BAR) (CROSSWALK)
	4" SOLID YELLOW LINE 4" DASHED YELLOW LINE
	8" WHITE GORE LINE
	8" YELLOW GORE LINE
	8" PARALLEL PARKING LINES WHITE
	WHITE YIELD LINE
	SHARROW
	BIKE LANE
	BIKE LANE
	WHITE ARROW
	SIGN

WARNING:
OVERHEAD AND UNDERGROUND
UTILITIES IN PROJECT
VICINITY

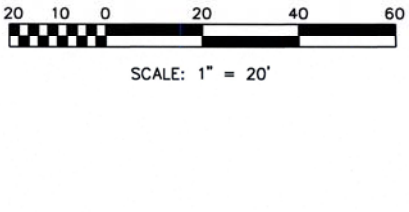


ADVERTISE DATE:		
REVISION	BY	DATE

STRIPING PLAN (SHEET 4 OF 4)	
EMERGENCY REPAIRS - BRIDGE 427A (WB GILCREASE EXPY. OVER N. LANSING PL.) PROJECT PL 24-01	
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT	
PLANS AND ESTIMATES PREPARED BY: 6100 S. YALE AVE. SUITE 1300 TULSA, OKLAHOMA 74136 Phone: (918) 260-5922 Fax: (918) 658-0107	
	APPROVED:
	DESIGNED TJR 07/26
	SURVEY N/A N/A
	PROJ. MGR. N/A N/A
	LEAD MGR. N/A N/A
PLAN SCALE PROFILE SCALE HORIZONTAL:	FIELD MGR. N/A N/A
	RECOMMENDED:
VERTICAL:	HAS 9.26
FILE:	DESIGN MANAGER
ATLAS PAGE NO. 163	CITY ENGINEER
DATE: 9/19/2026	DATE: 9/19/2026
SHEET 16 OF 27 SHEETS	SHEET 16 OF 27 SHEETS



SHEET 18 MATCHLINE

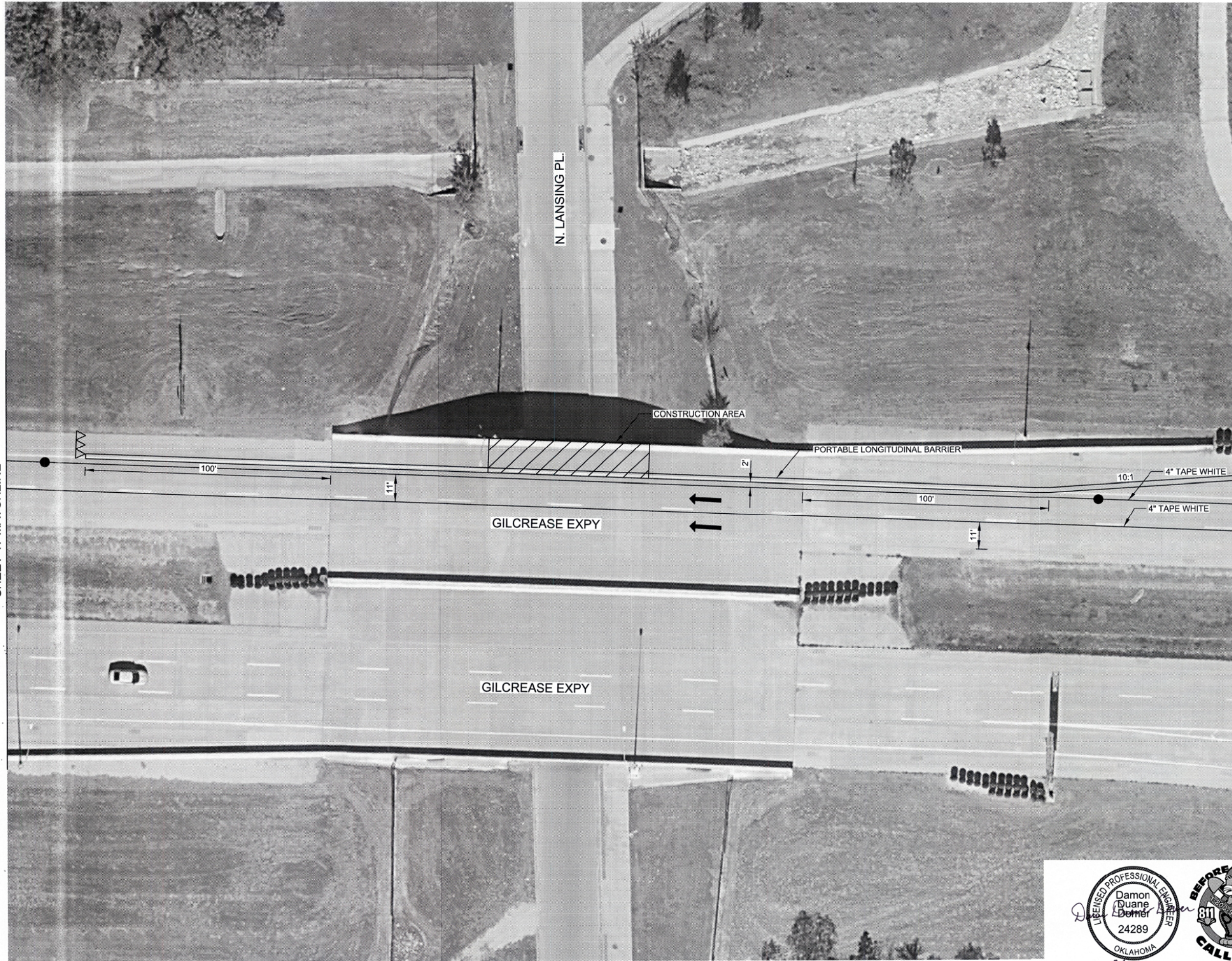


LEGEND	
●	DRUMS
—	PORTABLE LONGITUDINAL BARRIER
—	WHITE TEMPORARY TAPE
W	TYPE-III BARRICADE
→	DIRECTION OF TRAFFIC
▨	CONSTRUCTION AREA

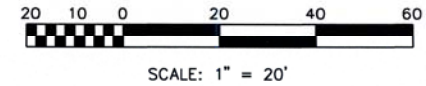


TRAFFIC CONTROL PLAN - PHASE 1 (SHEET 1 OF 4)			
EMERGENCY REPAIRS - BRIDGE 427A (WB GILCREASE EXPY. OVER N. LANSING PL.) PROJECT PL 24-01			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:			
6100 S. YALE AVE. SUITE 1300 TULSA, OKLAHOMA 74136		Phone: (918) 250-5922 Fax: (918) 858-0107	
	DRAWN	CTC	07/26
	DESIGNED	TJR	07/26
	SURVEY	N/A	N/A
	PROJ. MGR.	N/A	9/12/26
	LEAD MGR.	N/A	9/12/26
PLAN SCALE	FIELD MGR.	N/A	9/16
PROFILE SCALE HORIZONTAL:	RECOMMENDED:		
	HAS 9.26		
VERTICAL:	DESIGN MANAGER		CITY ENGINEER
FILE:	DRAWING:		DATE: 9/14/2026
ATLAS PAGE NO. 163		SHEET 17 OF 27 SHEETS	

SHEET 17 MATCHLINE



SHEET 19 MATCHLINE

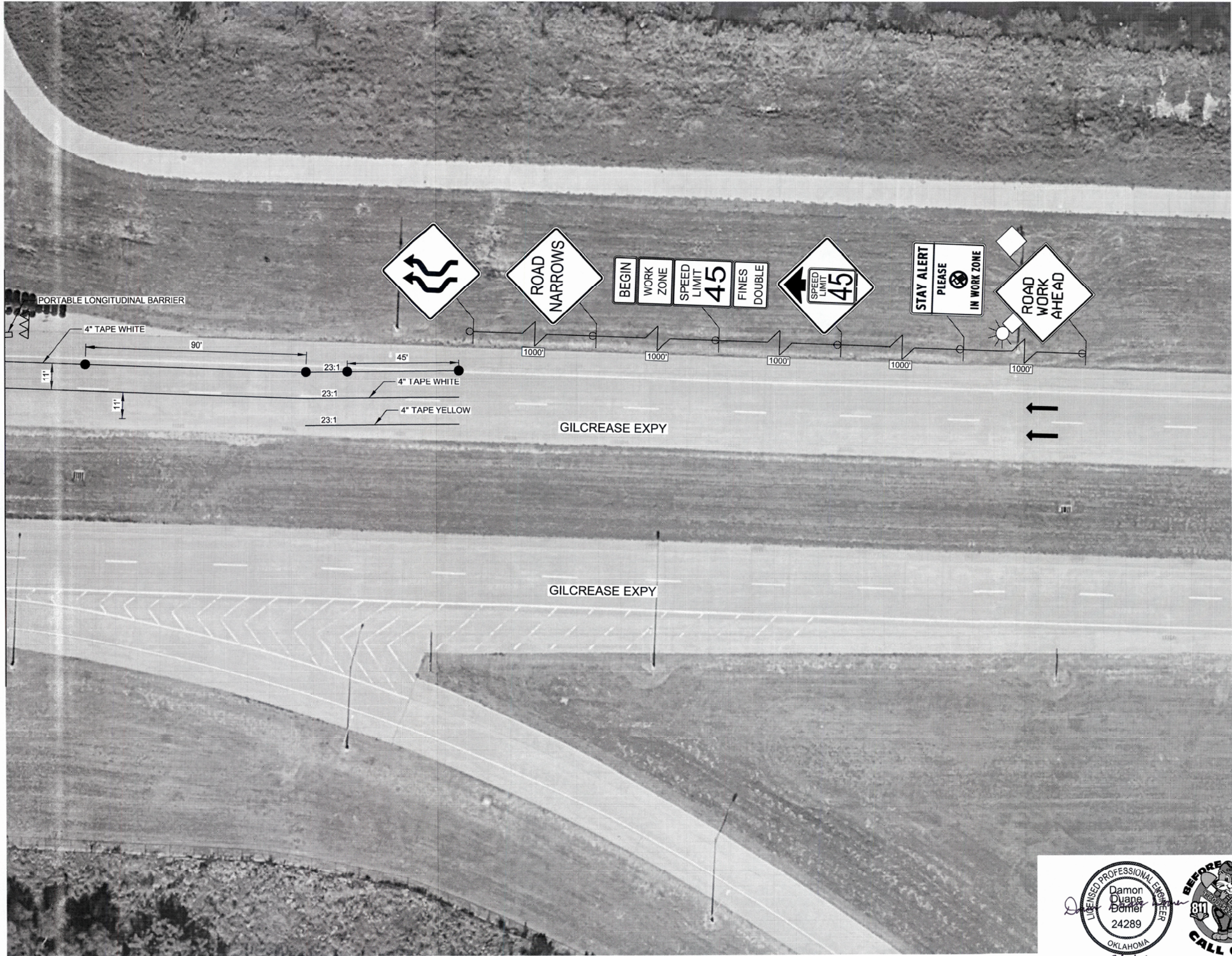


LEGEND	
●	DRUMS
▬	PORTABLE LONGITUDINAL BARRIER
▬	WHITE TEMPORARY TAPE
▬	TYPE-III BARRICADE
➔	DIRECTION OF TRAFFIC
▨	CONSTRUCTION AREA



TRAFFIC CONTROL PLAN - PHASE 1 (SHEET 2 OF 4)													
EMERGENCY REPAIRS - BRIDGE 427A (WB GILCREASE EXPY. OVER N. LANSING PL.) PROJECT PL 24-01													
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT													
PLANS AND ESTIMATES PREPARED BY: 6100 S. YALE AVE. SUITE 1300 Phone: (918) 250-5922 TULSA, OKLAHOMA 74136 Fax: (918) 858-0107													
APPROVED:													
<table><tr><td>DRAWN</td><td>CTC 07/26</td></tr><tr><td>DESIGNED</td><td>TJR 07/26</td></tr><tr><td>SURVEY</td><td>N/A N/A</td></tr><tr><td>PROJ. MGR.</td><td>N/A 8/2/26</td></tr><tr><td>LEAD MGR.</td><td>N/A 8/2/26</td></tr><tr><td>FIELD MGR.</td><td>N/A 8/2/26</td></tr></table>		DRAWN	CTC 07/26	DESIGNED	TJR 07/26	SURVEY	N/A N/A	PROJ. MGR.	N/A 8/2/26	LEAD MGR.	N/A 8/2/26	FIELD MGR.	N/A 8/2/26
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DESIGNED	TJR 07/26												
SURVEY	N/A N/A												
PROJ. MGR.	N/A 8/2/26												
LEAD MGR.	N/A 8/2/26												
FIELD MGR.	N/A 8/2/26												
PLAN SCALE													
PROFILE SCALE													
HORIZONTAL:													
VERTICAL:													
FILE:													
DRAWING:													
ATLAS PAGE NO.	163												
DESIGN MANAGER	HAS 9.26												
CITY ENGINEER	TJL												
DATE:	9/14/2026												
SHEET 18 OF 27 SHEETS													

SHEET 18 MATCHLINE



SCALE: 1" = 20'



LEGEND

- DRUMS
- PORTABLE LONGITUDINAL BARRIER
- WHITE TEMPORARY TAPE
- ≡ TYPE-III BARRICADE
- DIRECTION OF TRAFFIC
- ▨ CONSTRUCTION AREA

TRAFFIC CONTROL PLAN - PHASE 1 (SHEET 3 OF 4)

EMERGENCY REPAIRS - BRIDGE 427A (WB GILCREASE
EXPY. OVER N. LANSING PL.) PROJECT PL 24-01

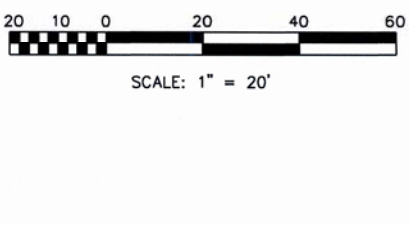
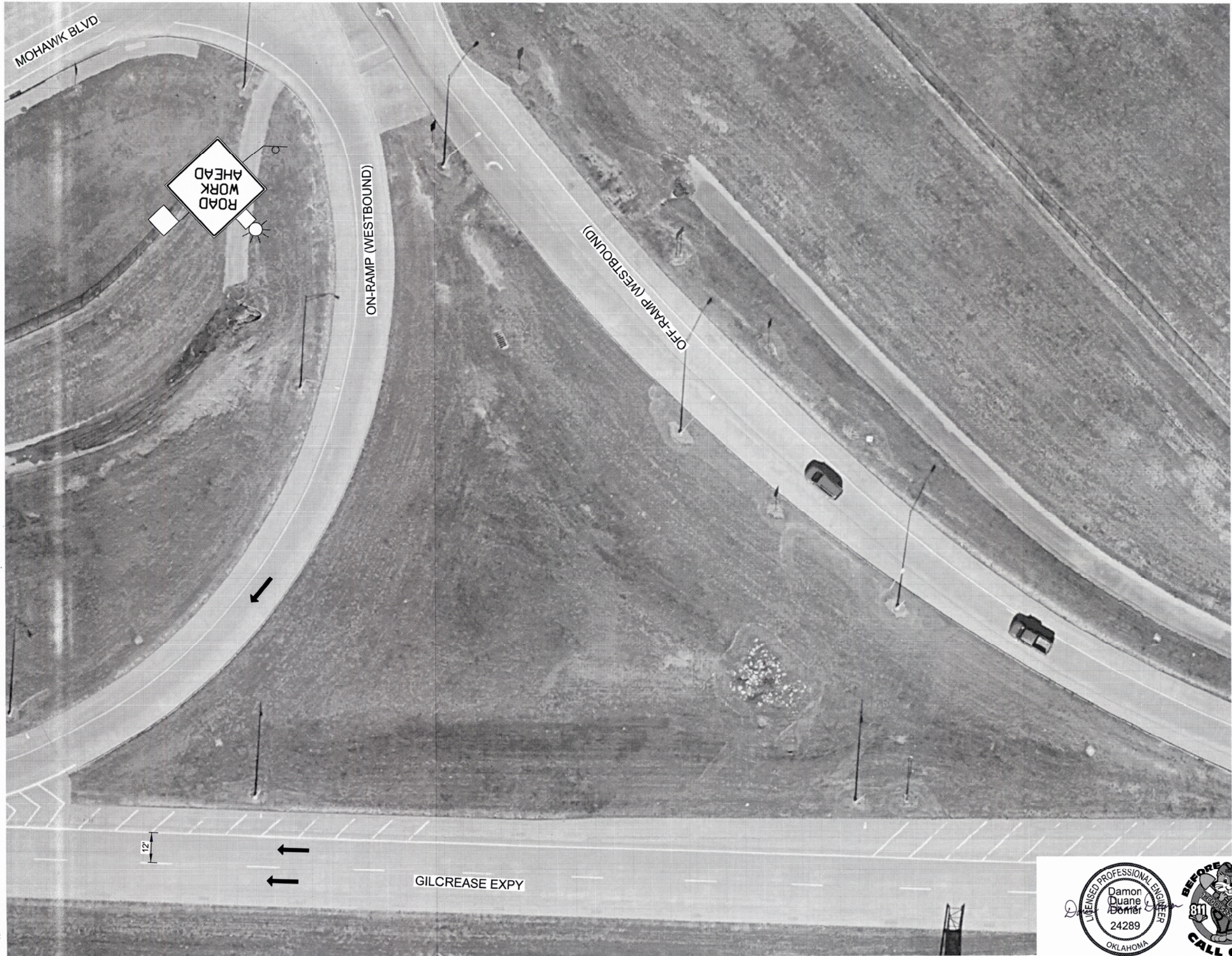
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

	PLANS AND ESTIMATES PREPARED BY:		
	6100 S. YALE AVE., SUITE 1300 TULSA, OKLAHOMA 74136		Phone: (918) 250-5922 Fax: (918) 858-0107
	DRAWN	CTC	07/26
	DESIGNED	TJR	07/26
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PLAN SCALE	LEAD MGR.	WJD	8/12/26
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	DESIGN MANAGER		
FILE:	DRAWING:	DATE: 9/14/2026	
ATLAS PAGE NO. 163		SHEET 19 OF 27 SHEETS	



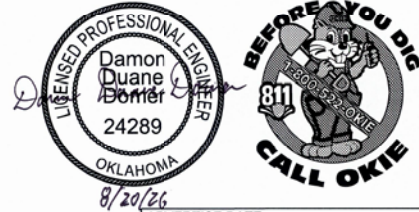
ADVERTISE DATE:		
REVISION	BY	DATE

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LEGEND	
●	DRUMS
—	PORTABLE LONGITUDINAL BARRIER
—	WHITE TEMPORARY TAPE
W	TYPE-III BARRICADE
→	DIRECTION OF TRAFFIC
▨	CONSTRUCTION AREA

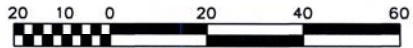
TRAFFIC CONTROL PLAN - PHASE 1 (SHEET 4 OF 4)			
EMERGENCY REPAIRS - BRIDGE 427A (WB GILCREASE EXPY. OVER N. LANSING PL.) PROJECT PL 24-01			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:			
6100 S. YALE AVE., SUITE 1300 TULSA, OKLAHOMA 74136		Phone: (918) 250-5922 Fax: (918) 656-0107	
	DRAWN	CTC	07/26
	DESIGNED	TJR	07/26
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	PROJ. MGR.	WJP	8/12/26
	LEAD MGR.	JPL	8/12/26
PLAN SCALE		RECOMMENDED:	
HORIZONTAL:		DATE: 9/19/2024	
VERTICAL:		SHEET 20 OF 27 SHEETS	
FILE:		ATLAS PAGE NO. 163	
DRAWING:			



ADVERTISE DATE:		
REVISION	BY	DATE



SHEET 22 MATCHLINE



SCALE: 1" = 20'



LEGEND

- DRUMS
- PORTABLE LONGITUDINAL BARRIER
- WHITE TEMPORARY TAPE
- W W TYPE-III BARRICADE
- ➔ DIRECTION OF TRAFFIC
- ▨ CONSTRUCTION AREA

TRAFFIC CONTROL PLAN - PHASE 2 (SHEET 1 OF 5)

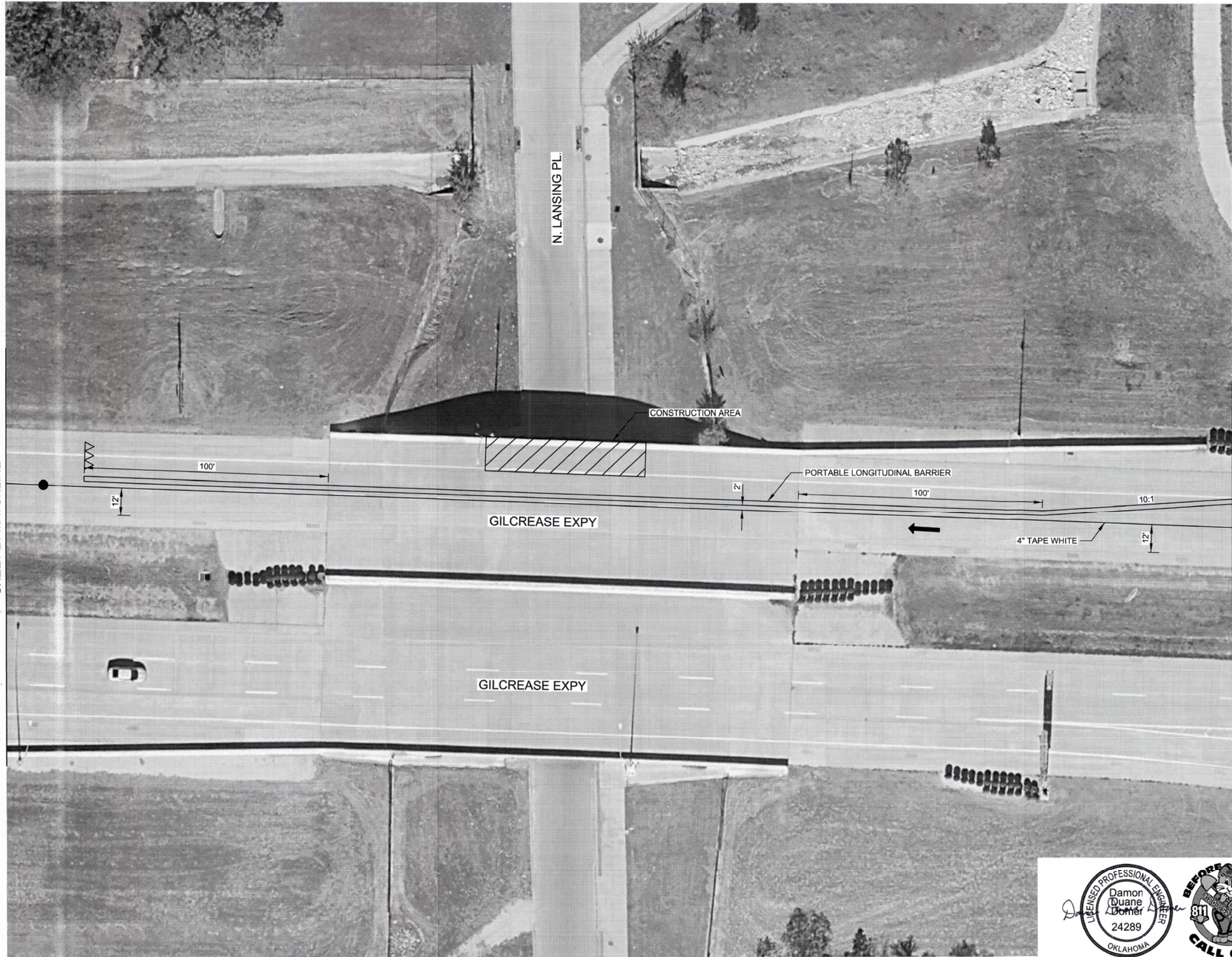
EMERGENCY REPAIRS - BRIDGE 427A (WB GILCREASE EXPY. OVER N. LANSING PL.) PROJECT PL 24-01

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

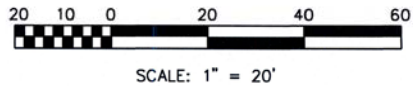
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	6100 S. VALE AVE., SUITE 1300 TULSA, OKLAHOMA 74138 Phone: (918) 250-5922 Fax: (918) 658-0107	
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	DESIGNED	TJR 07/26
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	LEAD MGR.	WJD 8/21/26
FIELD MGR.	WJD 8/21/26	APPROVED:
	WJD 8/21/26	
RECOMMENDED:		
HHS 9.26		
DESIGN MANAGER		CITY ENGINEER
FILE:		DATE: 9/18/2026
DRAWING:		
ATLAS PAGE NO. 163		SHEET 21 OF 27 SHEETS



SHEET 21 MATCHLINE



SHEET 23 MATCHLINE



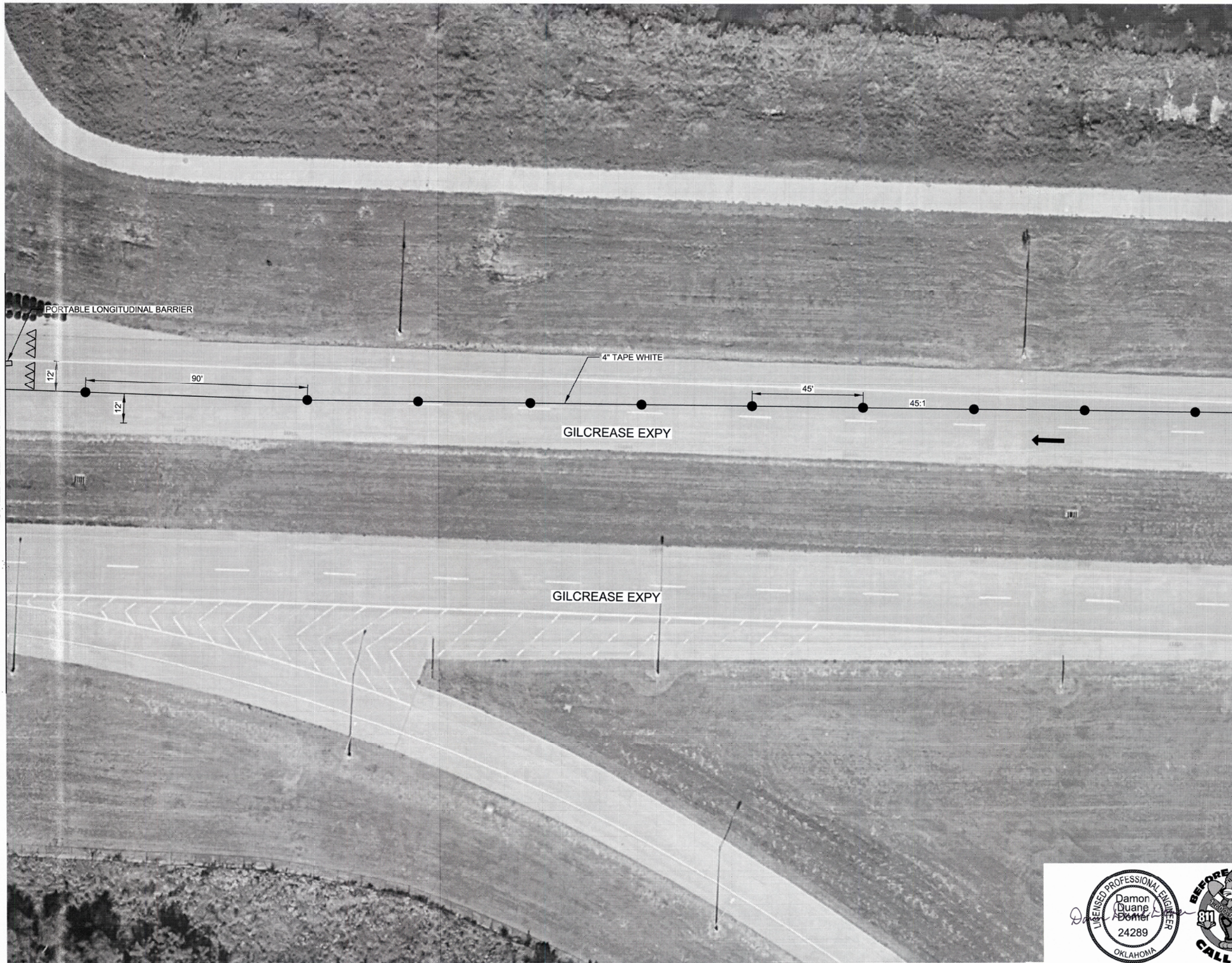
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●	DRUMS
—	PORTABLE LONGITUDINAL BARRIER
—	WHITE TEMPORARY TAPE
W	TYPE-III BARRICADE
→	DIRECTION OF TRAFFIC
▨	CONSTRUCTION AREA



ADVERTISE DATE:		
REVISION	BY	DATE

TRAFFIC CONTROL PLAN - PHASE 2 (SHEET 2 OF 5)			
EMERGENCY REPAIRS - BRIDGE 427A (WB GILCREASE EXPY. OVER N. LANSING PL.) PROJECT PL 24-01			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
	PLANS AND ESTIMATES PREPARED BY:		
	6100 S. YALE AVE., SUITE 1300 TULSA, OKLAHOMA 74136		Phone: (918) 250-5022 Fax: (918) 556-0107
	DRAWN	CTC 07/26	APPROVED:
	DESIGNED	TJR 07/26	
	SURVEY	N/A N/A	
PROJ. MGR.	WFD 8/1/26		
PLAN SCALE	LEAD MGR.	WFD 8/1/26	
PROFILE SCALE	FIELD MGR.	WFD 8/1/26	
HORIZONTAL:	RECOMMENDED:		
VERTICAL:	HAS 9-26		
FILE:	DRAWING:		
ATLAS PAGE NO.	163	DATE: 9/11/2026	SHEET 22 OF 27 SHEETS

SHEET 22 MATCHLINE



SHEET 24 MATCHLINE



SCALE: 1" = 20'



LEGEND

- DRUMS
- PORTABLE LONGITUDINAL BARRIER
- WHITE TEMPORARY TAPE
- W W TYPE-III BARRICADE
- DIRECTION OF TRAFFIC
- ▨ CONSTRUCTION AREA

TRAFFIC CONTROL PLAN - PHASE 2 (SHEET 3 OF 5)

EMERGENCY REPAIRS - BRIDGE 427A (WB GILCREASE
EXPY. OVER N. LANSING PL.) PROJECT PL 24-01

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

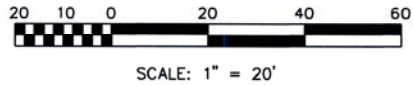
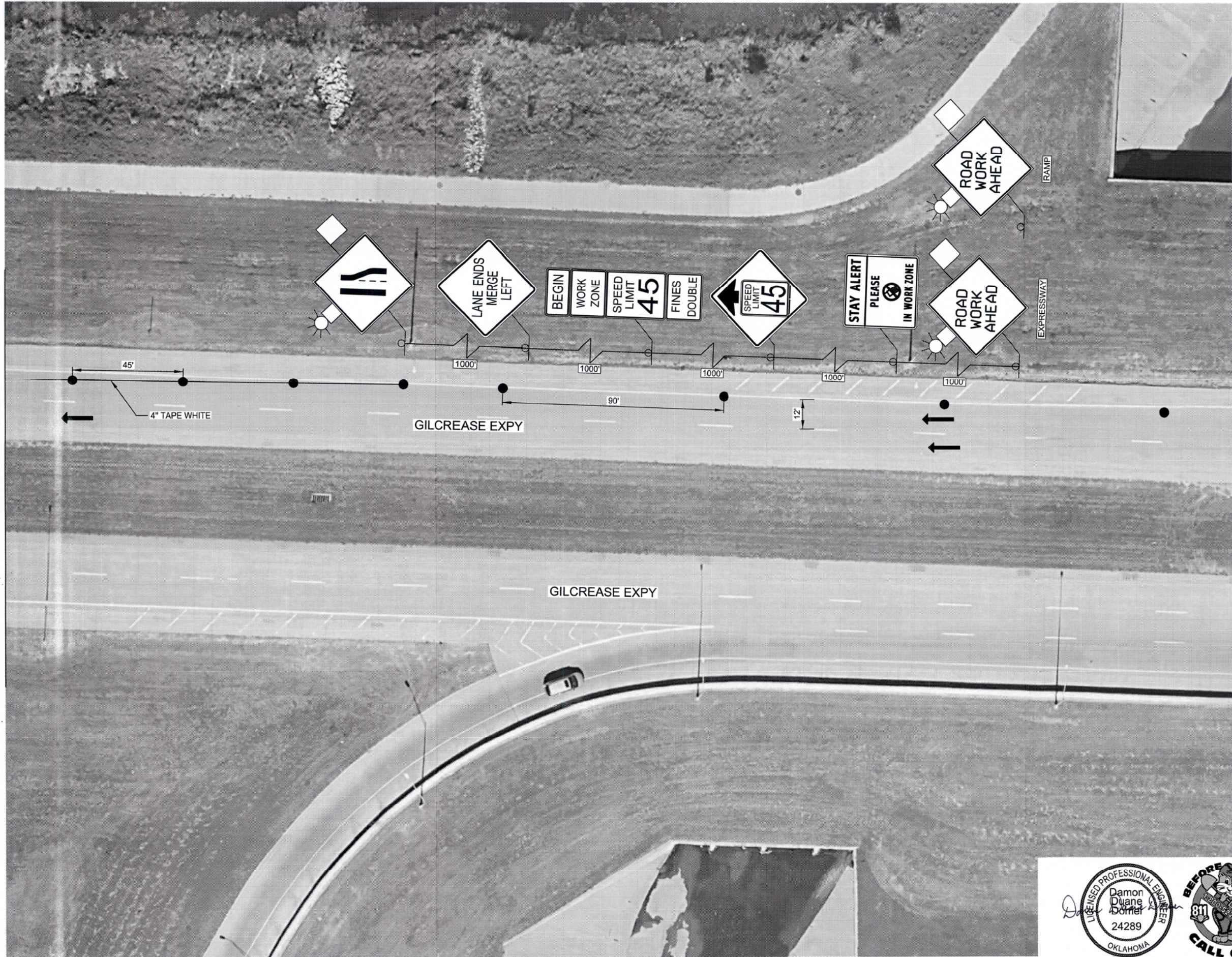
PLANS AND ESTIMATES PREPARED BY:	
8100 S. YALE AVE., SUITE 1300 Phone: (918) 250-5922 TULSA, OKLAHOMA 74136 Fax: (918) 658-0107	
DRAWN	CTC 07/26
DESIGNED	TJR 07/26
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LEAD MGR.	8/14/26
FIELD MGR.	8/14/26
RECOMMENDED:	
DESIGN MANAGER	DATE: 9/14/2026
CITY ENGINEER	



ADVERTISE DATE:		
REVISION	BY	DATE

FILE:	DRAWING:	DATE: 9/14/2026
ATLAS PAGE NO.	163	SHEET 23 OF 27 SHEETS

SHEET 23 MATCHLINE

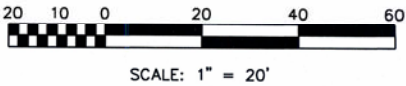
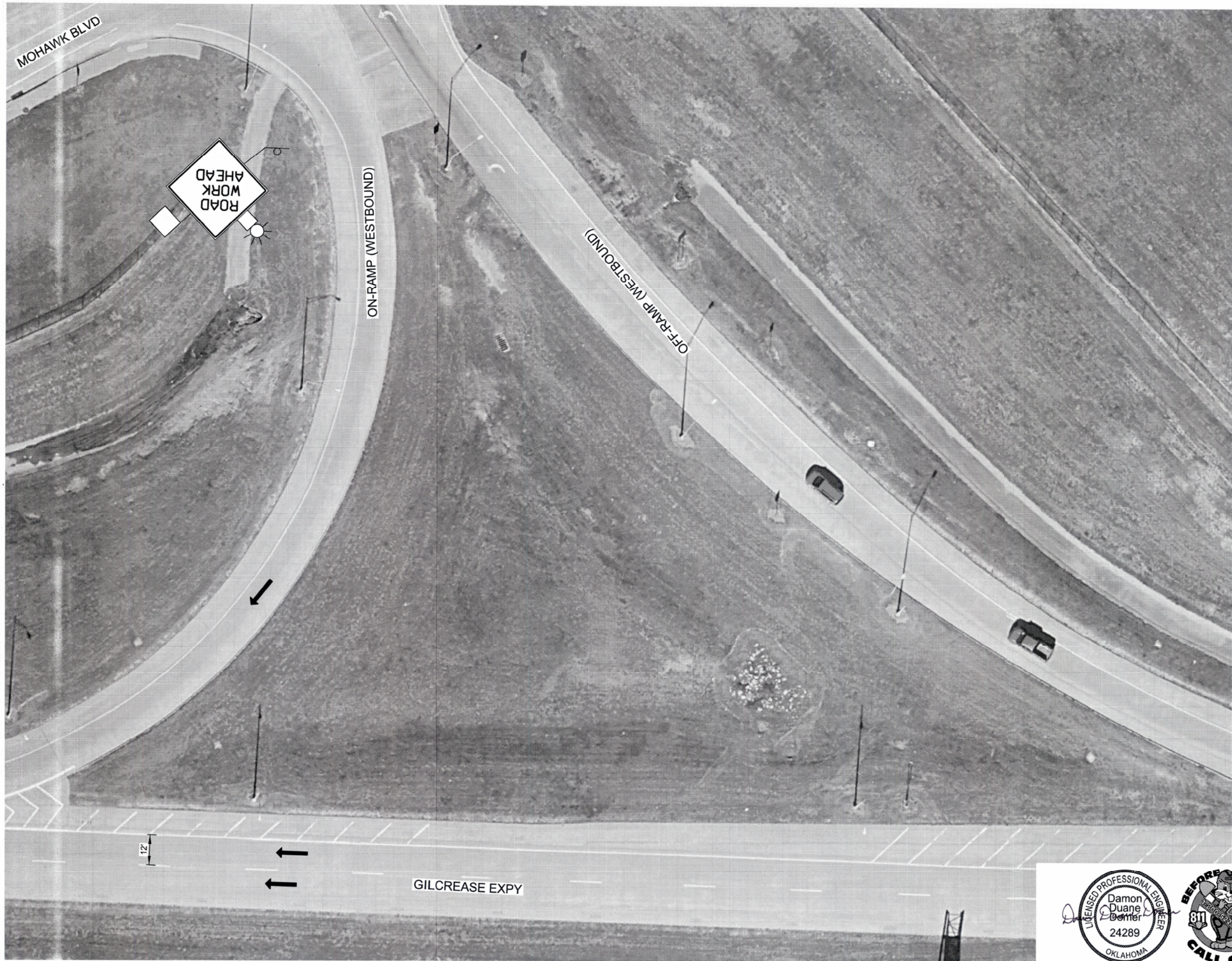


LEGEND	
●	DRUMS
—	PORTABLE LONGITUDINAL BARRIER
—	WHITE TEMPORARY TAPE
W	TYPE-III BARRICADE
→	DIRECTION OF TRAFFIC
▨	CONSTRUCTION AREA

TRAFFIC CONTROL PLAN - PHASE 2 (SHEET 4 OF 5)			
EMERGENCY REPAIRS - BRIDGE 427A (WB GILCREASE EXPY. OVER N. LANSING PL.) PROJECT PL 24-01			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:			
6100 S. YALE AVE., SUITE 1300 TULSA, OKLAHOMA 74136		Phone: (918) 250-5922 Fax: (918) 656-0107	
	DRAWN	CTC 07/26	APPROVED:
	DESIGNED	TJR 07/26	
	SURVEY	N/A N/A	
	PROJ. MGR.	<i>[Signature]</i> 8/1/24	
	LEAD MGR.	<i>[Signature]</i> 8/1/26	
PLAN SCALE	FIELD MGR.	<i>[Signature]</i> 8/1/26	
PROFILE SCALE HORIZONTAL:	RECOMMENDED:		
VERTICAL:	<i>Has 9-26</i>		<i>[Signature]</i> CITY ENGINEER
FILE:	DRAWING:	DATE:	9/14/2026
ATLAS PAGE NO.	163	SHEET 24 OF	27 SHEETS



REVISION	BY	DATE

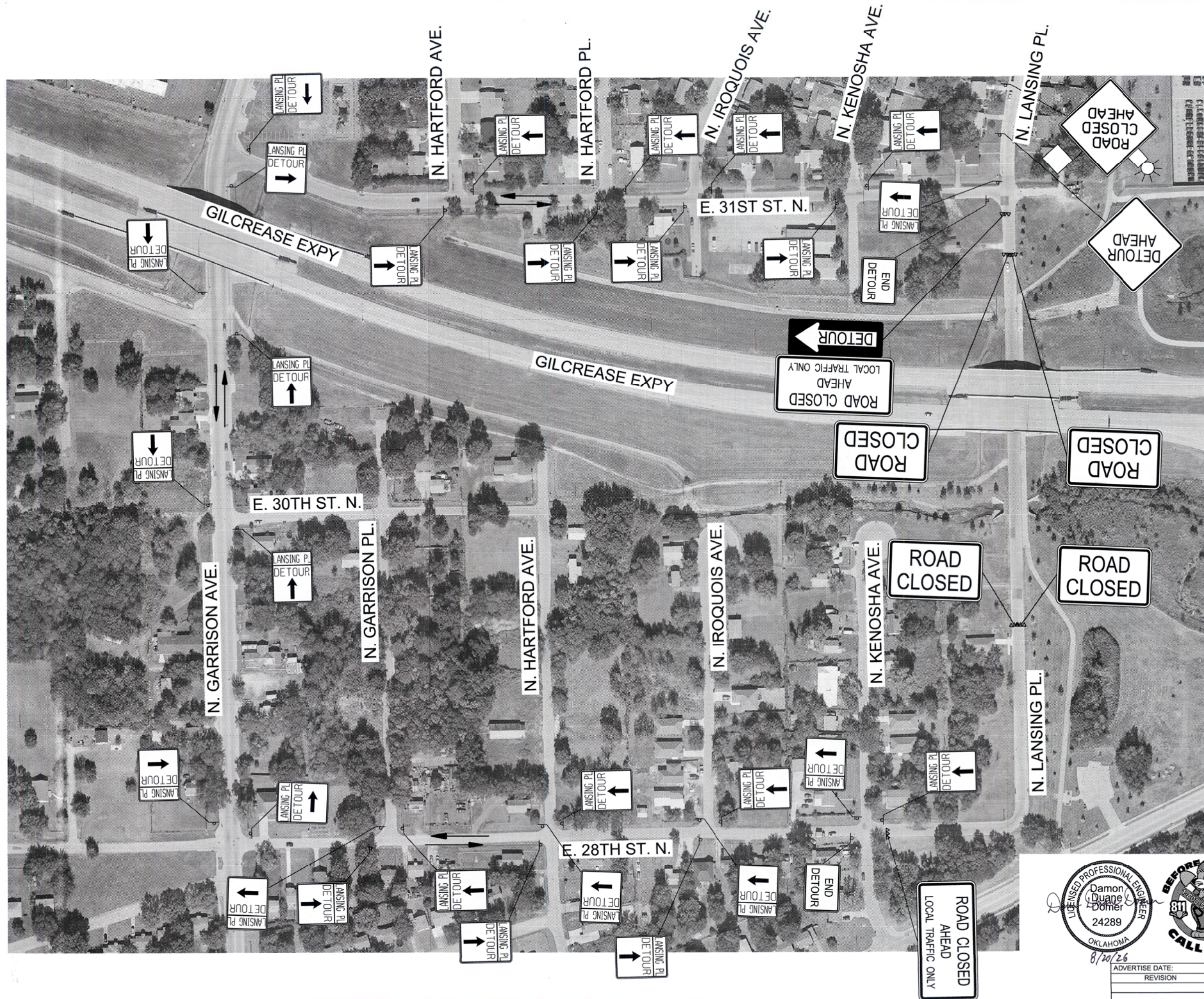


LEGEND	
	DRUMS
	PORTABLE LONGITUDINAL BARRIER
	WHITE TEMPORARY TAPE
	TYPE-III BARRICADE
	DIRECTION OF TRAFFIC
	CONSTRUCTION AREA

TRAFFIC CONTROL PLAN - PHASE 2 (SHEET 5 OF 5)			
EMERGENCY REPAIRS - BRIDGE 427A (WB GILCREASE EXPY. OVER N. LANSING PL.) PROJECT PL 24-01			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY: 6100 S. YALE AVE., SUITE 1300 Phone: (918) 250-5922 TULSA, OKLAHOMA 74136 Fax: (918) 858-0107			
	DRAWN	CTC 07/26	APPROVED:
	DESIGNED	TJR 07/26	
	SURVEY	N/A N/A	
	PROJ. MGR.	WJD 1/2/24	
	LEAD MGR.	WJD 9/6/24	
PLAN SCALE		RECOMMENDED:	
PROFILE SCALE		VERTICAL:	
HORIZONTAL:		FILE:	
ATLAS PAGE NO.		163	SHEET 25 OF 27 SHEETS

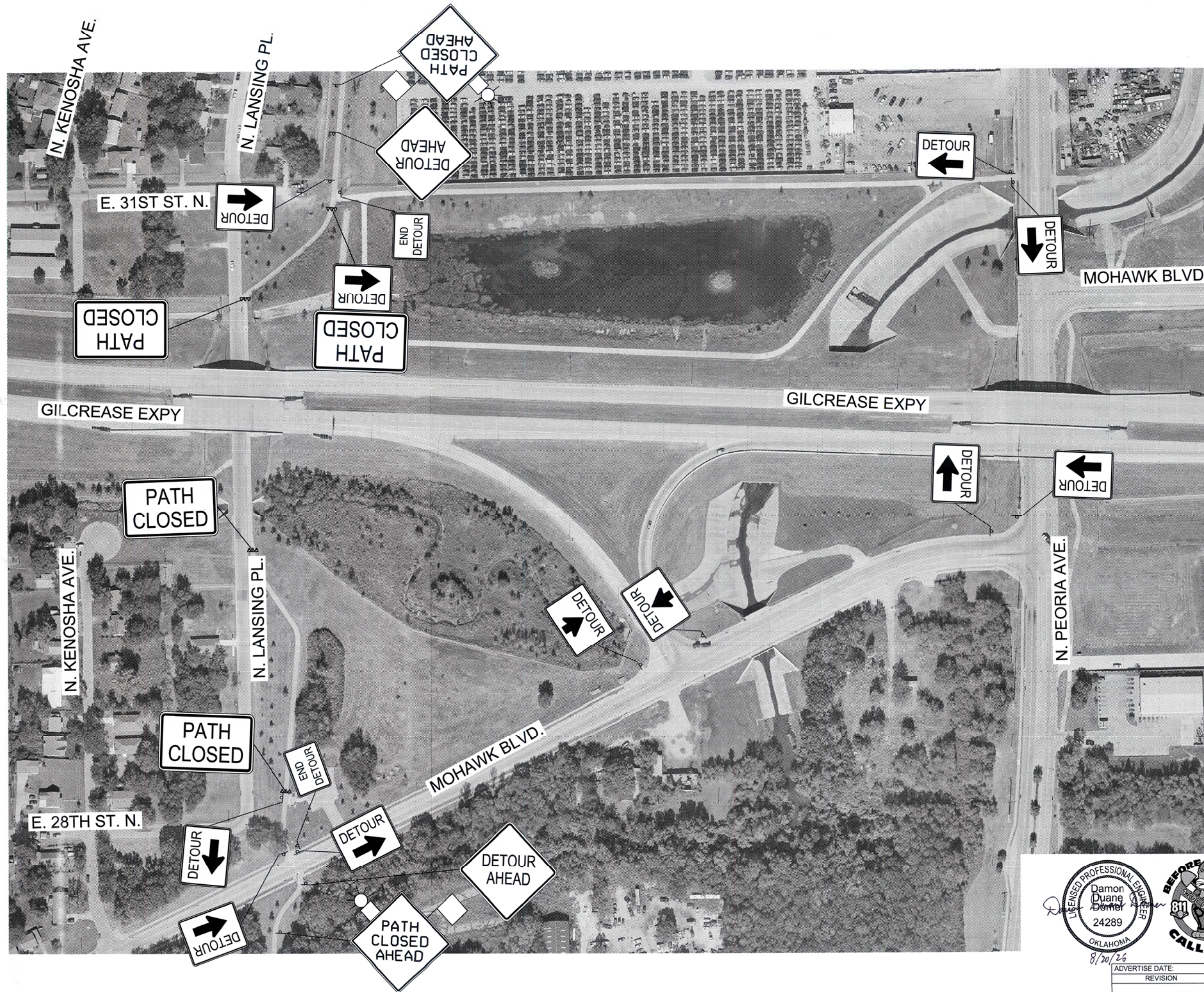


ADVERTISE DATE:		
REVISION	BY	DATE



ADVERTISE DATE:		
REVISION	BY	DATE

DETOUR MAP - ROADWAY		
EMERGENCY REPAIRS - BRIDGE 427A (WB GILCREASE EXPY. OVER N. LANSING PL.) PROJECT PL 24-01		
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT		
PLANS AND ESTIMATES PREPARED BY:		
0100 S. YALE AVE., SUITE 1300 TULSA, OKLAHOMA 74136		Phone: (918) 250-5022 Fax: (918) 858-0107
	DRAWN	CTC 07/26
	DESIGNED	TJR 07/26
	SURVEY	N/A N/A
	PROJ. MGR.	<i>[Signature]</i> 8/16/26
	LEAD MGR.	<i>[Signature]</i> 8/16/26
PLAN SCALE	FIELD MGR.	<i>[Signature]</i> 8/16/26
PROFILE SCALE HORIZONTAL:	RECOMMENDED:	
	HAS 9.26	
VERTICAL:	DESIGN MANAGER	CITY ENGINEER
FILE:	DRAWING:	DATE: 9/19/2026
ATLAS PAGE NO. 163	SHEET 20 OF 27 SHEETS	



100 50 0 100 200 300
SCALE: 1" = 100'

DETOUR MAP - TRAIL

EMERGENCY REPAIRS - BRIDGE 427A (WB GILCREASE EXPY. OVER N. LANSING PL.) PROJECT PL 24-01

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:		APPROVED:	
6100 S. VALE AVE., SUITE 1300 Phone: (918) 250-5922			
TULSA, OKLAHOMA 74136 Fax: (918) 656-0107			
DRAWN	CTC 07/26		
DESIGNED	TJR 07/26		
SURVEY	N/A N/A		
PROJ. MGR.	WJD 8/14/26		
LEAD MGR.	WJD 8/14/26		
FIELD MGR.	WJD 8/14/26		
RECOMMENDED:			
DESIGN MANAGER	WJD 8/14/26		
CITY ENGINEER	WJD 8/14/26		
DATE:	8/14/2026		
FILE:	DRAWING:		
ATLAS PAGE NO.	103		
		SHEET 27 OF 27 SHEETS	



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