

MYLAR CONSTRUCTION PLANS FOR  
ARTERIAL BRIDGE REHABILITATION FOR  
BRIDGE 245 - 11th STREET  
BRIDGE 258 - 21st STREET  
PROJECT NO. TD-2020-B1

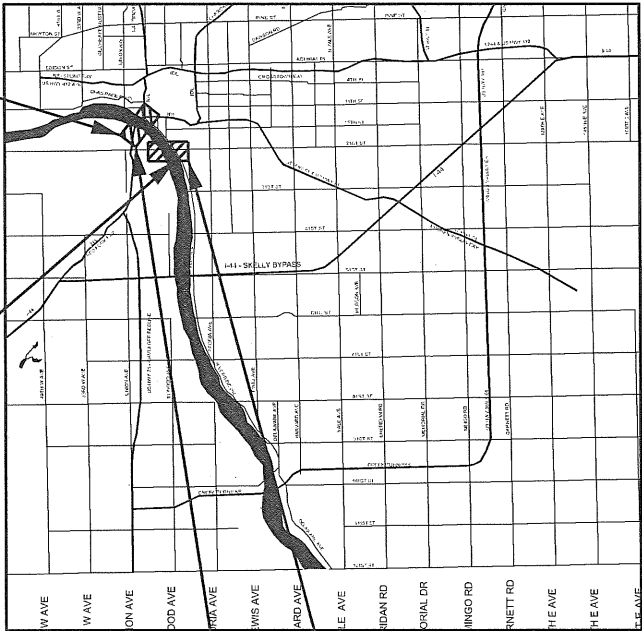
ACCOUNT NO. 2037B0245Z.Bridges.BridgMR.4281.42813122-541107  
ACCOUNT NO. 2037B0258Z.Bridges.BridgMR.4281.42813122-541107

CITY OF TULSA, OKLAHOMA  
ENGINEERING SERVICES DEPARTMENT

PROJECT SITE  
SEC. 11, T-19-N, R-12-E (BRIDGE 245)  
SEC. 14, T-19-N, R-12-E (BRIDGE 258)

BRIDGE 245  
(NBI 19838)

BRIDGE 258  
(NBI 20866)



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ODOT STANDARDS

TCS1-1-01	TCS9-1-01	TCS21-1-02
TCS2-1-00	TCS11-1-01	TCS22-1-00
TCS4-1-01	TCS13-1-00	
TCS5-1-00	TCS14-1-00	
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TCS7-1-02	TCS20-1-00	
TCS8-1-00		

CITY OF TULSA STANDARDS

102	PROJECT SIGN
126	STANDARD SILT FENCE & CONSTRUCTION ENTRANCE
608A	STREET NAME SIGNS
608B	TRAFFIC SIGNS

CALL OKIE FOR A LIST OF CONTACTS IN THE AREA.

UTILITY/DEPARTMENT	NUMBER
OKLAHOMA ONE-CALL SYSTEM, INC.	811
CITY OF TULSA - UTILITY COORDINATION (CHRIS KOVAC)	918-596-9649
OKLAHOMA NATURAL GAS (JONATHON MEADOWS)	918-831-8215
AT&T (AL NICHOLS)	918-596-4237
PSO (ADAM FIELDS)	918-250-6257
COX COMMUNICATIONS (BRANDON WADE)	918-286-4716

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.



City Engineer

Date

ADVERTISE DATE:

Bradley R. Thompson, P.E.  
responsible for pages: 1-2, 4-11, 19-32

Date

Kelly D. Harris, P.E.  
responsible for pages: 3, 12-18, 33-39

Date

1/19/22



PREPARED BY:

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TULSA, OKLAHOMA 74136  
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CERT. OF AUTH. #4193  
EXPIRES 6-30-2022

PROJ. NO. TD-2020-B1 - CITYWIDE BRIDGE REHABILITATION FOR BRIDGE 245 (11th STREET) AND BRIDGE 258 (21st STREET)

COMMON GENERAL NOTES

SPECIFICATIONS:

COMPLY WITH THE REQUIREMENTS OF THE 2019 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EXCEPT AS MODIFIED BY THE PLANS AND SPECIAL PROVISIONS.

VERIFICATION OF EXISTING CONDITIONS:

ALL DIMENSIONS OF THE EXISTING COMPONENTS SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY ALL DATA NECESSARY FOR CONSTRUCTION SEQUENCING 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 BRIDGE OR ATTACHMENTS. ANY DAMAGE TO THE EXISTING BRIDGE STRUCTURE 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 BRIDGES 245 & 258 ARE AVAILABLE AND CAN BE OBTAINED FROM:

ENGINEERING SERVICES DEPARTMENT  
CITY OF TULSA  
2317 SOUTH JACKSON AVENUE  
TULSA, OKLAHOMA 74107

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.

BRIDGE PAY ITEM NOTES

(B1) CLASS A BRIDGE DECK REPAIR:

ITEM "CLASS A BRIDGE DECK REPAIR" SHALL CONSIST OF PARTIAL DEPTH DECK REPAIR DOWN TO THE TOP LAYER OF REINFORCING STEEL ON BRIDGE 258. ESTIMATED REPAIR AREAS ARE SHOWN ON SHEET NOS. 10 & 11. REPAIRS SHALL BE MADE IN ACCORDANCE WITH SECTION 513 OF THE STANDARD SPECIFICATIONS.

PAYMENT ONLY FOR ACTUAL REPAIRS PERFORMED WILL BE ALLOWED. PAYMENT WILL NOT BE MADE FOR REPAIRS NOT MADE.

ALL COSTS OF THE REPAIR INCLUDING LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THE WORK AS SHOWN SHALL BE INCLUDED IN THE PRICE BID PER SQUARE YARD OF "CLASS A BRIDGE DECK REPAIR".

(B2) CLASS B BRIDGE DECK REPAIR:

ITEM "CLASS B BRIDGE DECK REPAIR" SHALL CONSIST OF PARTIAL DEPTH DECK REPAIR BELOW THE TOP LAYER OF REINFORCING STEEL ON BRIDGES 245 & 258. ESTIMATED REPAIR AREAS ARE SHOWN FOR BRIDGE 245 ON SHEET NOS. 10 & 11 AND FOR BRIDGE 258 ON SHEET NOS. 28 - 30. REPAIRS SHALL BE MADE IN ACCORDANCE WITH SECTION 513 OF THE STANDARD SPECIFICATIONS.

PAYMENT ONLY FOR ACTUAL REPAIRS PERFORMED WILL BE ALLOWED. PAYMENT WILL NOT BE MADE FOR REPAIRS NOT MADE.

ALL COSTS OF THE REPAIR INCLUDING LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THE WORK AS SHOWN SHALL BE INCLUDED IN THE PRICE BID PER SQUARE YARD OF "CLASS B BRIDGE DECK REPAIR".

(B3) WATER REPELLENT (VISUALLY INSPECTED):

ITEM "WATER REPELLENT (VISUALLY INSPECTED)" INCLUDES APPLYING A SURFACE TREATMENT TO THE FOLLOWING CONCRETE SURFACES OF BRIDGE 258 ONLY:

1. DRIVING SURFACES OF THE BRIDGE DECK AND APPROACH SLABS ON THE MAINLINE AND RAMP.
2. ALL EXPOSED FACES OF THE 2'-6" AND 10'-0" SIDEWALKS.
3. ALL EXPOSED FACES OF ALL PARAPETS ON THE MAINLINE AND RAMP.

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

(B4) RAPID CURE JOINT SEALANT:

ITEM "RAPID CURE JOINT SEALANT" INCLUDES PLACING BACKER ROD AND SEALANT AT SPECIFIC LOCATIONS ON BRIDGE 245 (SEE SHEET NOS. 5 - 7) AND BRIDGE 258 (SEE SHEET NOS. 18 - 23). THE JOINTS SHALL BE SEALED WITH RAPID CURE JOINT SEALANT IN ACCORDANCE WITH SUBSECTION 518.04.C(5)(b) AND SUBSECTION 701.08.G OF THE STANDARD SPECIFICATIONS AND AS SHOWN IN THE PLANS.

ALL COSTS ASSOCIATED WITH THE USE OF RAPID CURE JOINT SEALANT INCLUDING SEALANT, BACKER ROD, LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THE WORK AS SHOWN SHALL BE INCLUDED IN THE PRICE BID PER LINEAR FOOT OF "RAPID CURE JOINT SEALANT".

(B5) ELASTOMERIC MORTAR:

ITEM "ELASTOMERIC MORTAR" SHALL BE USED AT EXPANSION JOINTS AS SPECIFIED ON BRIDGE 245 (SEE SHEET NOS. 5 - 7) AND BRIDGE 258 (SEE SHEET NOS. 18 - 23) IN CONJUNCTION WITH THE RAPID CURE JOINT SEALANT. PLACE THE BACKER ROD AND RAPID CURE JOINT SEALANT AFTER THE MORTAR HAS HARDENED.

ALL COSTS ASSOCIATED WITH THE USE OF ELASTOMERIC MORTAR INCLUDING REMOVAL OF EXISTING MATERIAL, MORTAR, LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THE WORK AS SHOWN SHALL BE INCLUDED IN THE PRICE BID PER CUBIC FOOT OF "ELASTOMERIC MORTAR".

(B6) SAWED AND SEALED JOINTS:

ITEMS "SEALER CRACK PREPARATION" AND "SEALER RESIN" SHALL BE USED AT FIXED JOINTS AS SPECIFIED ON BRIDGE 245 (SEE SHEET NOS. 5 - 7) AND BRIDGE 258 (SEE SHEET NOS. 18 - 23). THE JOINTS SHALL BE CLEANED, PREPARED, AND SEALED IN ACCORDANCE WITH SECTION 523 OF THE STANDARD SPECIFICATIONS AND AS SHOWN IN THE PLANS.

ALL COSTS ASSOCIATED WITH SEALING DECK SLAB FIXED JOINTS INCLUDING LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THE WORK AS SHOWN SHALL BE INCLUDED IN THE PRICE BID PER LINEAR FOOT OF "SEALER CRACK PREPARATION" AND PER GALLON OF "SEALER RESIN".

BRIDGE PAY ITEM NOTES (CONT'D)

(B7) DECK AREA SEALED (FLOODCOATS)

ITEM "DECK AREA SEALED (FLOODCOATS)" SHALL CONSIST OF APPLYING A FLOOD COAT DECK SEAL TO THE FOLLOWING CONCRETE SURFACES OF BRIDGE 245 ONLY:

1. DRIVING SURFACES OF THE BRIDGE DECK AND APPROACH SLABS.
2. ALL EXPOSED FACES OF THE 2'-6" AND 10'-0" SIDEWALKS.
3. ALL EXPOSED FACES OF THE CENTER PARAPET.
4. THE INSIDE AND TOP FACES OF BOTH EXTERIOR PARAPETS.

EXISTING PAVEMENT STRIPING SHALL BE REMOVED PRIOR TO FLOOD COAT DECK SEAL APPLICATION. ANY TRAFFIC STRIPING RENDERED INEFFECTIVE OR DAMAGED DURING APPLICATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE ENGINEER. THE CONTRACTOR MUST PREVENT THE FLOOD COAT DECK SEAL FROM PENETRATING ANY JOINT THAT HAS BEEN SEALED WITH SILICONE. IF THE FLOOD COAT DECK SEAL PENETRATES ANY SILICONE JOINT, THE CONTRACTOR, AT HIS OWN EXPENSE, WILL BE REQUIRED TO:

1. REMOVE ALL FLOOD COAT DECK SEAL FROM THESE JOINTS AFTER BULK CURE.
2. REMOVE AND REPLACE THE SILICONE JOINT SEALANT.

THIS WORK WILL BE PERFORMED AFTER ALL OTHER WORK ON THE BRIDGE HAS BEEN COMPLETED, WITH THE EXCEPTION OF FINISHED PAVEMENT MARKINGS.

ALL COSTS TO SEAL THE CONCRETE SURFACES WITH FLOOD COAT DECK SEAL INCLUDING LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THE WORK AS SHOWN SHALL BE INCLUDED IN THE PRICE BID PER SQUARE YARD OF "DECK AREA SEALED (FLOODCOATS)".

(B8) MEDIAN REMOVAL AND REPLACEMENT:

REMOVAL OF THE EXISTING MEDIAN, INSTALLATION OF THE TEMPORARY PAVING SECTION, AND RECONSTRUCTION OF THE MEDIAN SHALL BE PAID FOR BY SQUARE YARD OF "MEDIAN REMOVAL AND REPLACEMENT". PRICE BID SHALL INCLUDE ALL COSTS, LABOR, AND INCIDENTALS INCLUDING BUT NOT LIMITED TO THE FOLLOWING: SAW CUTTING, CURB REMOVAL, PAVEMENT REMOVAL, UNCLASSIFIED EXCAVATION, SUBGRADE METHOD B, AGGREGATE BASE TYPE A, ASPHALT PAVING, REMOVAL OF ASPHALT PAVING, CURB AND GUTTER, BACKFILL, AND MEDIAN PAVING. NO ADDITIONAL PAYMENT SHALL BE MADE. SEE TRAFFIC CONTROL PLANS FOR LOCATION OF MEDIAN REMOVAL.

BRIDGE 245 (NBI 19838) PAY QUANTITIES					11TH ST. OVER ARKANSAS RIVER
ITEM NO.	SPEC. NO.	DESCRIPTION	PAY ITEM NOTE	UNIT	QUANTITY
1	513(A)	CLASS A BRIDGE DECK REPAIR	(B1)	S.Y.	4
2	513(B)	CLASS B BRIDGE DECK REPAIR	(B2)	S.Y.	404
3	518(C)	RAPID CURE JOINT SEALANT	(B4)	L.F.	1,269
4	518 (D)	ELASTOMERIC MORTAR	(B5)	C.F.	46
5	523(A)	SEALER CRACK PREPARATION	(B6)	L.F.	719
6	523(B)	SEALER RESIN	(B6)	GAL.	7
7	523(C)	DECK AREA SEALED (FLOODCOATS)	(B7)	S.Y.	12,627

BRIDGE 258 (NBI 20866) PAY QUANTITIES					21ST ST. OVER ARKANSAS RIVER
ITEM NO.	SPEC. NO.	DESCRIPTION	PAY ITEM NOTE	UNIT	QUANTITY
8	513(B)	CLASS B BRIDGE DECK REPAIR	(B2)	S.Y.	14
9	515(A)	WATER REPELLENT (VISUALLY INSPECTED)	(B3)	S.Y.	18,887
10	518(C)	RAPID CURE JOINT SEALANT	(B4)	L.F.	1,299
11	518 (D)	ELASTOMERIC MORTAR	(B5)	C.F.	23
12	523(A)	SEALER CRACK PREPARATION	(B6)	L.F.	131
13	523(B)	SEALER RESIN	(B6)	GAL.	2
14	SPECIAL	MEDIAN REMOVAL AND REPLACEMENT	(B8)	S.Y.	6

BRIDGE 245 (NBI 19838) & BRIDGE 258 (NBI 20866) PAY QUANTITIES					11TH STREET AND 21ST STREET OVER ARKANSAS RIVER
ITEM NO.	SPEC. NO.	DESCRIPTION	UNIT	QUANTITY	
15	641	MOBILIZATION	EA.	1	
16	SPECIAL	OWNER ALLOWANCE	EA.	5,000	
17	SP COT 643	CONTRACTOR'S QUALITY CONTROL	EA.	1	
18	COT 334	CONSTRUCTION AS-BUILT	EA.	1	



ADVERTISE DATE:					
REVISION	BY	DATE			
			FILE:	DRAWING:	DATE:
			ATLAS PAGE NO.	SHEET 2 OF 39 SHEETS	

SUMMARY OF PAY QUANTITIES AND NOTES (BRIDGE)

CITYWIDE BRIDGE REHABILITATION  
PROJECT NO. TD-2020-B1

CITY OF TULSA, OKLAHOMA  
ENGINEERING SERVICES DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:  
6450 SOUTH LEWIS SUITE 300 Phone: (918) 250-8922  
TULSA, OKLAHOMA 74136 Fax: (918) 658-0107

811

BEFORE YOU DIG

CALL OKIE

DESIGNED

SURVEY

PROJ. MGR.

LEAD MGR.

FIELD MGR.

RECOMMENDED:

DESIGN MANAGER

CITY ENGINEER

DRAWN

DESIGNED

SURVEY

PROJ. MGR.

LEAD MGR.

FIELD MGR.

RECOMMENDED:

521

321

PLAN SCALE

1" = 20'

PROFILE SCALE

HORIZONTAL:

1"=20'

VERTICAL:

1"=5'

DATE:

FILE:

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ATLAS PAGE NO.

DATE:

SHEET 2 OF 39 SHEETS

\$\$\$USERS\$  
\$SDAT\$S\$  
WORKSPACE:\$S\$WORKSPACE\$  
\$\$\$FILES\$

PAY QUANTITIES – BRIDGE 245

TRAFFIC				
ITEM CODE		DESCRIPTION	UNIT	QUANTITY
19	855(A)	TRAFFIC STRIPE (4" WHITE)(THERMOPLASTIC) (T-3)	LF	6488
20	855(A)	TRAFFIC STRIPE (4" YELLOW)(THERMOPLASTIC) (T-3)	LF	3250
21	857(C)	REMOVABLE PAVEMENT MARKING TAPE	LF	14099
22	857(F)	PAVEMENT MARKING REMOVAL	LF	23837
23	880(B)	SIGNS 0 TO 6.25 SF (T-2,4,5)	SD	1920
24	880(B)	SIGNS 6.26 SF TO 15.99 SF (T-2,4,5)	SD	120
25	880(B)	SIGNS 16.0 AND UP (T-2,4,5)	SD	1560
26	880(C)	BARRICADES (TYPE II) (T-2,4,5)	SD	240
27	880(C)	BARRICADES (TYPE III) (T-2,4,5)	SD	540
28	880(E)	TYPE "A" WARNING LIGHT (T-5)	SD	1440
29	880(F)	DRUMS (T-2,4,5)	SD	6180
30	880(G)	TUBE CHANNELIZERS (T-2,4)	SD	4680

PAY ITEM NOTES (VERSION: 11/14/2018)

- T-1 NOT USED
- T-2 REFLECTORIZED SHEETING ON SIGNS AND BARRICADES SHALL BE OF A CUBIC PRISMATIC TYPE AND SHALL MEET THE SPECIFICATIONS ESTABLISHED FOR ASTM D 4956-01 TYPE IX RETROREFLECTIVE SHEETING. REFLECTORIZED SHEETING ON DRUMS AND TUBE CHANNELIZERS SHALL BE OF A HIGH-INTENSITY TYPE AND SHALL MEET THE SPECIFICATIONS ESTABLISHED FOR ASTM D 4956-01 TYPE III RETROREFLECTIVE SHEETING.
- T-3 ALL PLASTIC PAVEMENT MARKINGS SHALL BE: EXTRUDED-APPLIED THERMOPLASTIC (USE ON ASPHALT PAVEMENT). THERMOPLASTIC PAVEMENT MARKINGS SHALL ONLY BE APPLIED WHEN THE SURFACE TEMPERATURE EXCEEDS 55° FOR ALL OF THE SIX HOURS PRIOR TO INSTALLATION AND MAXIMUM WIND GUSTS ARE BELOW 15 MPH AT THE TIME OF APPLICATION. PRICE BID TO INCLUDE FLEX TABS OR LIKE KIND FOR POST CONSTRUCTION LANE MARKING/SEPARATION. MECHANICALLY APPLIED PREFORMED PLASTIC TAPE ("COLD TAPE") WILL NOT BE ACCEPTED.
- T-4 PRICE BID FOR THIS ITEM SHALL BE PAYMENT IN FULL FOR THE INSTALLATION, MAINTENANCE AND SUBSEQUENT REMOVAL OF ALL NECESSARY CONSTRUCTION TRAFFIC CONTROL REQUIRED FOR COMPLETION OF THE PROJECT.
- T-5 IF WARNING LIGHTS ARE TO BE USED ON TRAFFIC CONTROL DEVICES, TYPE "A" LIGHTS SHALL ONLY BE USED ON DEVICES WARNING OF UNEXPECTED HAZARDS, AND SHALL NOT BE USED FOR DELINEATION OF THE TRAVELED WAY. ONLY TYPE "C" WARNING LIGHTS SHALL BE USED FOR DELINEATION OF THE TRAVELED WAY, AND TYPE "C" LIGHTS SHALL NOT BE USED FOR ANY OTHER PURPOSE.
- T-6 NOT USED
- T-7 NOT USED

PAY QUANTITIES – BRIDGE 258

TRAFFIC				
ITEM CODE		DESCRIPTION	UNIT	QUANTITY
31	855(A)	TRAFFIC STRIPE (4" WHITE)(THERMOPLASTIC) (T-3)	LF	7991
32	855(A)	TRAFFIC STRIPE (4" YELLOW)(THERMOPLASTIC) (T-3)	LF	3740
33	855(A)	TRAFFIC STRIPE (8" YELLOW)(THERMOPLASTIC) (T-3)	LF	22
34	857(C)	REMOVABLE PAVEMENT MARKING TAPE	LF	15796
35	857(F)	PAVEMENT MARKING REMOVAL	LF	27527
36	880(B)	SIGNS 0 TO 6.25 SF (T-2,4,5)	SD	3060
37	880(B)	SIGNS 6.26 SF TO 15.99 SF (T-2,4,5)	SD	180
38	880(B)	SIGNS 16.0 AND UP (T-2,4,5)	SD	1560
39	880(C)	BARRICADES (TYPE II) (T-2,4,5)	SD	300
40	880(C)	BARRICADES (TYPE III) (T-2,4,5)	SD	540
41	880(E)	TYPE "A" WARNING LIGHT (T-5)	SD	1680
42	880(F)	DRUMS (T-2,4,5)	SD	6900
43	880(G)	TUBE CHANNELIZERS (T-2,4)	SD	5160

TRAFFIC GENERAL CONSTRUCTION NOTES

REMOVED MATERIAL TO BECOME PROPERTY OF CONTRACTOR AND IT SHALL BE DISPOSED OF IN A MANNER APPROVED BY THE ENGINEER.

THIS PROJECT SHALL BE CONSTRUCTED WITHOUT CLOSING THE EXISTING ROAD TO LOCAL AND THROUGH TRAFFIC. SEE O.D.O.T. STANDARDS AND DETAIL DRAWINGS FOR MAINTENANCE OF LOCAL AND THROUGH TRAFFIC.

ANY DAMAGE CAUSED BY THE CONTRACTOR TO ANY STRUCTURES, ROADWAY SURFACES, STRIPING, RAISED PAVEMENT MARKERS, GUARDRAIL, SLOPES, AND SIGNS SHALL BE REPAIRED AT CONTRAACTOR'S EXPENSE TO THE SATISFACTION OF THE ENGINEER.

ALL WARNING SIGNS SHALL HAVE FLUORESCENT YELLOW SHEETING. THE FLUORESCENT YELLOW SHEETING SHALL MEET THE REQUIREMENTS OF ASTM D4956--(LATEST REVISION) REQUIREMENTS FOR TYPE VIII SHEETING.

CONSTRUCTION TRAFFIC CONTROL WILL BE INSTALLED IN SUCH A MANNER APPROVED BY THE ENGINEER, IN ACCORDANCE WITH CHAPTER VI OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT ADDITION", AND APPLICABLE O.D.O.T. STANDARD DRAWINGS. THE CONTRACTOR SHALL PROVIDE A PROPOSED TRAFFIC CONTROL PLAN FOR APPROVAL BY THE ENGINEER PRIOR TO BEGINNING WORK IF A CHANGE TO THE TRAFFIC CONTROL PLAN IS PROPOSED.

ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL MEET O.D.O.T.'S "QUALITY STANDARDS FOR TEMPORARY TRAFFIC CONTROL DEVICES.



Keystone

11/19/22

SUMMARY OF PAY QUANTITIES AND NOTES (TRAFFIC)

CITYWIDE BRIDGE REHABILITATION  
PROJECT NO. TD-2020-B1

CITY OF TULSA, OKLAHOMA  
ENGINEERING SERVICES DEPARTMENT



PLANS AND ESTIMATES PREPARED BY:  
6450 SOUTH LEWIS SUITE 300 Phone: (918) 250-8922  
TULSA, OKLAHOMA 74136 Fax: (918) 658-0107

APPROVED:

DRAWN	KDH	12/21
DESIGNED	KDH	12/21
SURVEY	N/A	N/A
PROJ. MGR.		
LEAD MGR.		
FIELD MGR.		

RECOMMENDED:

DESIGN MANAGER

CITY ENGINEER

FILE: DRAWING: DATE:  
ATLAS PAGE NO. SHEET 3 OF 39 SHEETS

S:\Leach  
WORKSPACE\Ogci - 2017  
Vgan\verific.local\data\Projects\2020\20T03050 - COT IOT2 Bridge Rehabilitation\Drawings\BRIDGE\COT\_TD-2020-B1\_GENERAL NOTES.dgn

1/17/2022 8:45:37 AM

GENERAL CONSTRUCTION NOTES (VERSION DATE: 9/12/2016)

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE 2019 OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND THE CURRENT CITY OF TULSA ENGINEERING SERVICES DEPARTMENT'S STANDARD SPECIFICATIONS AND STANDARD DETAILS AND STANDARD DRAWINGS AND CITY OF TULSA SPECIAL PROVISIONS.
2. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL LAWS GOVERNING SAFETY, HEALTH AND SANITATION. THE CONTRACTOR SHALL PROVIDE ALL SAFEGUARDS, SAFETY DEVICES AND PROTECTIVE EQUIPMENT, AND TAKE ANY OTHER NEEDED ACTION ON AS HIS OWN RESPONSIBILITY OR AS THE ENGINEER MAY DETERMINE REASONABLY NECESSARY TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACT.
3. PAY ITEMS SHALL BE AS SPECIFIED ON THE CITY OF TULSA OR ON THE ODOT STANDARD DRAWINGS EXCEPT AS MODIFIED BY THE CONTRACT.
4. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK IN EACH AREA. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT RESULT FROM HIS FAILURE TO LOCATE AND PRESERVE ANY AND ALL UTILITIES.
5. THE LOCATIONS OF THE UTILITIES ARE SHOWN ACCORDING TO ALL AVAILABLE INFORMATION. THE CONTRACTOR SHALL NOTIFY EACH UTILITY OWNER PRIOR TO COMMENCEMENT OF WORK TO VERIFY BOTH HORIZONTAL AND VERTICAL LOCATIONS. THE FOLLOWING IS A LIST OF UTILITY OWNERS; AT&T, PUBLIC SERVICE COMPANY OF OKLAHOMA (AEP), OKLAHOMA NATURAL GAS (ONG), COX COMMUNICATIONS, MCI/VERIZON, EASYTEL COMMUNICATIONS, WELLSCO VALLOR TELECOM, CITY OF TULSA-WATER AND SEWER, CITY OF TULSA-TRAFFIC OPERATIONS. SEE TITLE SHEET FOR CONTACT INFORMATION.
6. THE CONTRACTOR SHALL GIVE THE NOTIFICATION CENTER OF OKLAHOMA ONE-CALL SYSTEM, INC. NOTICE OF ANY EXCAVATION NO SOONER THAN TEN DAYS NOR LATER THAN 48 HOURS , EXCLUDING SATURDAYS, SUNDAYS AND LEGAL HOLIDAYS, PRIOR TO THE COMMENCEMENT OF WORK. PHONE 1-800-522-6543.
7. THE CONTRACTOR SHALL TAKE REASONABLE PRECAUTIONS TO PREVENT EXCESS MOISTURE FROM INCLEMENT WEATHER OR OTHER SOURCES FROM ENTERING ANY STREET EXCAVATION. IF EXCESS MOISTURE DOES ENTER THE EXCAVATION THROUGH THE NEGLIGENCE OF THE CONTRACTOR AND THE ADJOINING PAVEMENT IS ADVERSELY EFFECTED BY THE EXCESS MOISTURE, THE CONTRACTOR SHALL REPLACE THE ADJOINING PAVEMENT AND SUBBASE AT HIS SOLE EXPENSE.
8. THE CONTRACTOR SHALL PRESERVE THE INTEGRITY OF THE SANITARY SEWER STRUCTURES AND ALL OTHER UTILITY STRUCTURES WITHIN THE PROJECT EXTENTS.
9. THE CONTRACTOR SHALL WORK IN COOPERATION WITH THE CITY OF TULSA TO ESTABLISH, INSTALL, MAINTAIN, AND OPERATE COMPLETE, ADEQUATE, AND SAFE TRAFFIC CONTROLS DURING THE ENTIRE CONSTRUCTION PERIOD. ALL FLAGMEN, BARRICADES, AND TRAFFIC CONTROL DEVICES SHALL BE APPROVED BY THE FIELD ENGINEERING REPRESENTATIVE.
10. CONSTRUCTION SIGNAGE WILL BE INSTALLED IN A MANNER APPROVED BY THE ENGINEER, IN ACCORDANCE WITH CHAPTER VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT ADDITION, AND APPLICABLE ODOT STANDARD DRAWINGS. THE CONTRACTOR SHALL PROVIDE A PROPOSED TRAFFIC CONTROL PLAN FOR APPROVAL BY THE ENGINEER PRIOR TO BEGINNING WORK.
11. THE CONTRACTOR SHALL NOTIFY THE CITY OF TULSA FIELD ENGINEERING, 918-596-9404, A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK OR PRIOR TO REMOVING TRAFFIC SIGNS.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ALL EXISTING TRAFFIC SIGNS AND MARKINGS REMOVED OR DAMAGED AS LISTED IN THE SIGNAGE SCHEDULE FOR THE PROJECT. ALL SIGNS AND POLES PROVIDED SHALL BE NEW AND UNDAMAGED AND SHALL MEET THE REQUIREMENTS OF COT SPECIFICATION 608 TRAFFIC SIGNS. ALL TRAFFIC MATERIALS REMOVED SHALL BE HANDLED PER COT SPECIFICATION 625 REMOVAL OF TRAFFIC ITEMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ALL EXISTING, NEIGHBORHOOD, MTTA ETC. TRAFFIC SIGNS AND MARKINGS REMOVED OR DAMAGED AS PART OF THIS PROJECT.
13. THE CONTRACTOR WILL BE RESPONSIBLE FOR PREPARATION AND DISTRIBUTION OF A WRITTEN NOTICE TO RESIDENTS 48 HOURS PRIOR TO BEGINNING PAVEMENT REMOVAL AND MILLING AND OVERLAY OPERATIONS.
14. LOCAL AND THROUGH TRAFFIC SHALL BE MAINTAINED THROUGH THE PROJECT AT ALL TIMES.
15. ALL PUBLIC AND PRIVATE STREETS AND DRIVES SHALL BE ACCESSIBLE AT ALL TIMES.
16. ALL BROKEN CONCRETE, WASTE MATERIAL, AND OTHER DEBRIS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE LIMITS OF THE PROJECT AND DISPOSED OF IN A MANNER APPROVED BY THE ENGINEER. NO ADDITIONAL PAYMENT WILL BE MADE FOR THE DISPOSAL OF THIS MATERIAL.
17. ALL EXCAVATED MATERIAL NOT REQUIRED IN THE PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF BY THE CONTRACTOR IN A MANNER ACCEPTABLE TO THE ENGINEER WITHOUT COST TO THE CITY. THE CONTRACTOR WILL BE REQUIRED TO OBTAIN AN EARTH CHANGE PERMIT IF ANY MATERIAL IS STORED ON THE PROJECT SITE AND/OR DISPOSED OF WITHIN THE CITY LIMITS.
18. ALL TREES, BRUSH AND OTHER DEBRIS THAT MIGHT INTERFERE WITH THE FLOW OF WATER IS TO BE CLEANED OUT TO THE RIGHT-OF-WAY LINE IN A MANNER APPROVED BY THE ENGINEER. ALL COST TO BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF WORK. TREES OUTSIDE THE FILL SLOPES AND THE TOP OF CUT SLOPES SHALL NOT BE DISTURBED EXCEPT WITH THE WRITTEN APPROVAL OF THE ENGINEER.
19. WHERE MATERIALS ARE TRANSPORTED IN THE PROSECUTION OF WORK, VEHICLES SHALL NOT BE LOADED BEYOND THE CAPACITY RECOMMENDED BY THE VEHICLE MANUFACTURER OR AS PRESCRIBED BY ANY FEDERAL, STATE OR LOCAL LAW OR REGULATION.
20. ANY DAMAGE TO THE ROADWAY PAVEMENT, CURB, DRIVEWAYS OR SIDEWALK CAUSED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED TO THE ENGINEER'S SATISFACTION AND SHALL BE ACCOMPLISHED AT THE CONTRACTOR'S SOLE EXPENSE. ALL DISTURBED ITEMS SHALL BE REPAIRED TO MATCH EXISTING MATERIALS AND PATTERNING.
21. IF THE CONTRACTOR ENCOUNTERS VOIDS WHEN PATCHING STREETS, THE CONTRACTOR SHALL CALL FIELD ENGINEERING AT 918-596-7814 FOR AN INSPECTION BEFORE PROCEEDING WITH WORK.

22. THE PROJECT SHALL BE CONSTRUCTED WITH CONTINUOUS FLOW OF MATERIAL SUPPLIED TO THE PROJECT SUCH THAT THE LAYDOWN MACHINE WILL REMAIN IN MOTION. ANY DELAY IN FORWARD PROGRESSION OF THE LAYDOWN MACHINE MAY REQUIRE A TRANSVERSE JOINT AS DIRECTED BY THE ENGINEER.

23. NO FLY ASH IS ALLOWED TO BE USED ON THIS PROJECT.

24. PHYSICAL TESTING FOR QUALITY ASSURANCE SHALL BE FURNISHED BY THE CITY.

25. CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY QUALITY CONTROL TESTING TO ENSURE THAT PROJECT REQUIREMENTS ARE MET.

26. MASONRY STRUCTURES SHALL NOT BE CONSTRUCTED WITHIN THE STREET RIGHT-OF-WAY.

27. ALL CONCRETE CURB AND GUTTERS SHALL BE MONOLITHIC POURS. DOWELED-ON CURBS WILL NOT BE ALLOWED.

28. NO LIFTING HOLES WILL BE ALLOWED ON ANY REINFORCED CONCRETE PIPES OR REINFORCED CONCRETE BOXES.

29. CURB RAMP CONSTRUCTION SHALL COMPLY WITH THE CURRENT AMERICANS WITH DISABILITIES ACT STANDARDS.

30. REFLECTORIZED SHEETING ON SIGNS AND BARRICADES SHALL BE OF A CUBIC PRISMATIC TYPE AND SHALL MEET THE SPECIFICATIONS ESTABLISHED FOR ASTM D 4956-01 TYPE IX RETROREFLECTIVE SHEETING. REFLECTORIZED SHEETING ON DRUMS AND TUBE CHANNELIZERS SHALL BE OF A HIGH-INTENSITY TYPE AND SHALL MEET THE SPECIFICATIONS ESTABLISHED FOR ASTM D 4956-01 TYPE III RETROREFLECTIVE SHEETING.

31. ALL SANITARY AND STORM SEWER MANHOLE CASTINGS AND LIDS THAT ARE LOCATED IN THE STREET AND ARE DISTURBED BY THE CONTRACTOR SHALL BE REPLACED WITH NEW LIDS AND CASTINGS AND THE OLD ONES SHALL BE SALVAGED AND DELIVERED TO THE METAL RECYCLE BINS IN THE STOCKROOM AREA AT SEWER OPERATIONS AND MAINTENANCE, 9319 E. 42ND STREET NORTH, BETWEEN THE HOURS OF 7:30 AM AND 3:00 PM MONDAY THROUGH FRIDAY.

32. THE SIGN PLACEMENT STATIONING AND LOCATIONS SHOWN ON THE PLAN SHEETS AND SUMMARY SHEETS ARE APPROXIMATE. EXACT STATIONING AND LOCATIONS SHALL BE VERIFIED BY THE CONTRACTOR SO THAT THE SIGN IS INSTALLED IN ACCORDANCE WITH CITY OF TULSA STANDARDS, CURRENT AMERICANS WITH DISABILITIES ACT STANDARDS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES IN ORDER TO PROVIDE OPTIMUM VISIBILITY TO THE ONCOMING/APPROACHING MOTORIST. IF A PROPOSED LOCATION CONFLICTS WITH OTHER SIGNS, UTILITIES, OR OTHER ROADWAY FEATURES, THE ENGINEER SHALL BE NOTIFIED.

33. POST LENGTHS SHOWN ON SIGN SUMMARY ARE APPROXIMATE. EXACT LENGTHS SHALL BE DETERMINED BY A FIELD SURVEY CONDUCTED BY THE CONTRACTOR.

34. ALL ASPHALT STREETS THAT ARE TO BE RECONSTRUCTED SHALL BE LEFT WITH A DRIVABLE SURFACE AT ALL TIMES. THE CONTRACTOR WILL NOT BE ALLOWED TO MILL OFF ALL THE ASPHALT BEFORE EXCAVATION BEGINS.

35. THE CONTRACTOR SHALL REPLACE ANY SECTION CORNERS OR OTHER PERMANENT RIGHT OF WAY MARKERS REMOVED OR DISTURBED AS A RESULT OF THE CONSTRUCTION OF THIS PROJECT. REPLACEMENT OF SECTION CORNERS OR ANY OTHER MONUMENTS SHALL BE PERFORMED BY A LICENSED LAND SURVEYOR AUTHORIZED TO PERFORM WORK IN THE STATE OF OKLAHOMA.

36. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL AND MAINTENANCE OF THE STORMWATER DRAINAGE. STORMWATER PONDING ON THE CONSTRUCTION SITE THAT IS THE RESULT OF CONSTRUCTION WILL NOT BE ALLOWED.

37. STRAW OR HAY BALES AS STORMWATER BEST MANAGEMENT PRACTICES ARE NO LONGER ALLOWED ON CONSTRUCTION PROJECTS.

38. THE CONTRACTOR MUST CALL 1-800-458-4251 IMMEDIATELY IF A NATURAL GAS PIPELINE IS CUT, DAMAGED, OR OTHERWISE DISTURBED.

39. PRIOR TO FINAL ACCEPTANCE, ALL EXPOSED CURB SURFACES SHALL BE CLEANED OF ALL DISCOLORATION SUCH AS ASPHALT STAIN, TIRE MARKS, OR OTHER DISFIGUREMENT.

40. ALL FEATURES OF THIS PROJECT INCLUDING, BUT NOT LIMITED TO, SIDEWALKS, CURB RAMPS, AND CROSSWALKS SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT, ACCESSIBILITY GUIDELINES, AND THE PROPOSED ACCESSIBILITY GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT-OF-WAY, PUBLISHED ON JULY 26, 2011 BY THE U.S. ACCESS BOARD. WHERE SPATIAL LIMITATIONS OR EXISTING FEATURES WITHIN THE LIMITS OF THE PROJECT PREVENT FULL COMPLIANCE WITH THIS ACT, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER UPON DISCOVERY OF SUCH FEATURES. THE CONTRACTOR SHALL NOT PROCEED WITH ANY ASPECT OF THE WORK, WHICH IS NOT IN FULL COMPLIANCE WITH THE ADA WITH OUR PRIOR WRITTEN APPROVAL FROM THE ENGINEER. ANY WORK WHICH IS NOT PERFORMED WITHIN THE GUIDELINES OF THE ADA, FOR WHICH THE CONTRACTOR DOES NOT HAVE WRITTEN APPROVAL, SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.

41. ALL TRENCH WIDTHS & BEDDING MATERIAL SHALL BE AS SHOWN ON COT STANDARD PIPE BEDDING DETAIL, STANDARD NO. 751. SPECIFIED TRENCH WIDTHS SHALL BE MAINTAINED FULL DEPTH FROM THE FLOWLINE TO THE GRADING TEMPLATE. THE CONTRACTOR SHALL KEEP THE OPEN TRENCH DRAINED.


42. THE CONTRACTOR SHALL NOTIFY THE METROPOLITAN TULSA TRANSIT AUTHORITY (MTTA), ERIC SMITH 918-830-0024, A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK, LANE CLOSURES OR PRIOR TO DETOURING TRAFFIC.

43. CONTRACTOR SHALL NOT STORE EQUIPMENT OR MATERIALS IN THE FLOODPLAIN.

44. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ALL EXISTING NEIGHBORHOOD, MTTA ETC. TRAFFIC SIGNS AND MARKINGS REMOVED OR DAMAGED AS PART OF THIS PROJECT.



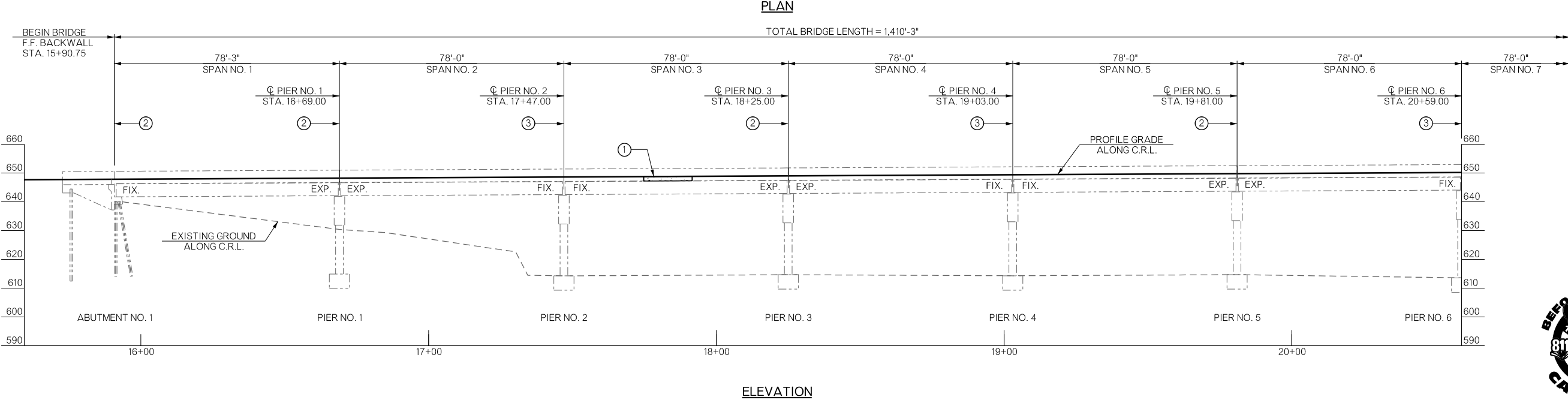
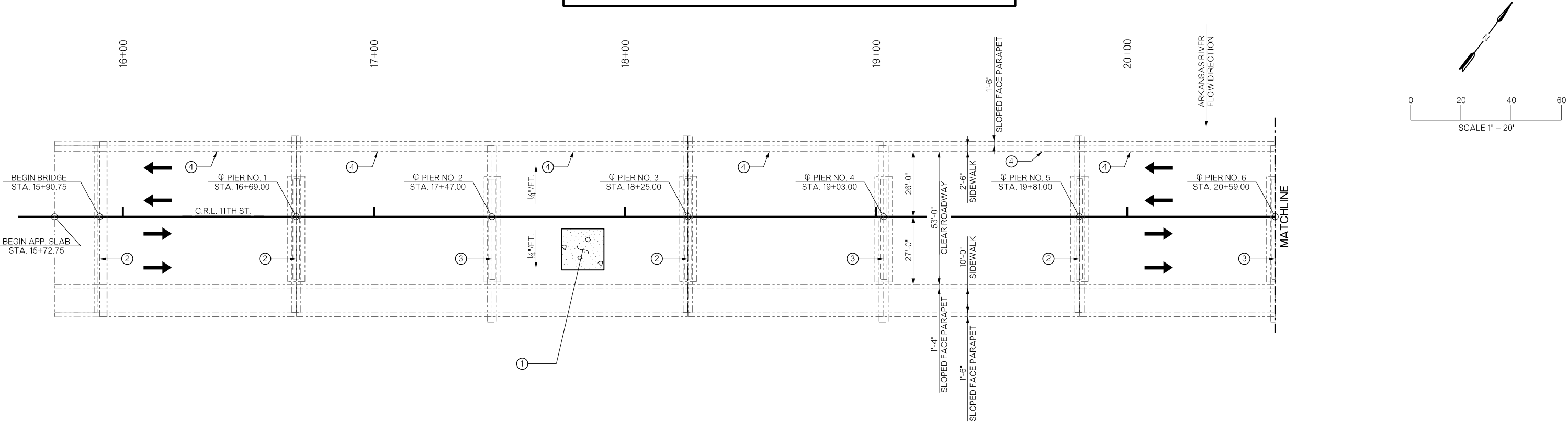
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REVISION	BY	DATE			
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ATLAS PAGE NO.			SHEET 4 OF 39 SHEETS		

GENERAL NOTES					
CITYWIDE BRIDGE REHABILITATION PROJECT NO. TD-2020-B1					
CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT					
	PLANS AND ESTIMATES PREPARED BY:				
	6450 SOUTH LEWIS SUITE 300			Phone: (918) 250-5922	
	TULSA, OKLAHOMA 74136			Fax: (918) 858-0107	
	DRAWN			SJL	5/21
	DESIGNED			JMH	3/21
	SURVEY				
	PROJ. MGR.				
	LEAD MGR.				
	FIELD MGR.				
	RECOMMENDED:				
DESIGN MANAGER			CITY ENGINEER		
FILE:			DRAWING:		
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ALL 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.



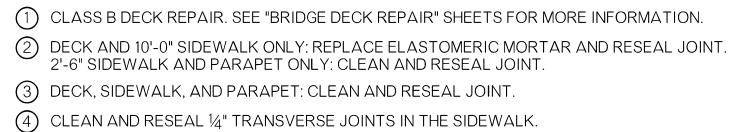
#### INDEX OF SHEETS

SHEET NO.	TITLE
5 - 7	BRIDGE 245 - GENERAL PLAN AND ELEVATION
8	BRIDGE 245 - SEQUENCE OF CONSTRUCTION
9	BRIDGE 245 - TYPICAL SECTION
10 - 11	BRIDGE 245 - BRIDGE DECK REPAIR

- CLASS B DECK REPAIR. SEE "BRIDGE DECK REPAIR" SHEETS FOR MORE INFORMATION.
- DECK AND 10'-0" SIDEWALK ONLY: REPLACE ELASTOMERIC MORTAR AND RESEAL JOINT. 2'-6" SIDEWALK AND PARAPET ONLY: CLEAN AND RESEAL JOINT.
- DECK, SIDEWALK, AND PARAPET: CLEAN AND RESEAL JOINT.
- CLEAN AND RESEAL 1/4" TRANSVERSE JOINTS IN THE SIDEWALK.



BRIDGE 245 - GENERAL PLAN AND ELEVATION (SHEET 1 OF 3)			
CITYWIDE BRIDGE REHABILITATION PROJECT NO. TD-2020-B1 100 W. 11th ST./SW BLVD. OVER ARKANSAS RIVER CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY: 6450 SOUTH LEWIS SUITE 300 Phone: (918) 250-8922 TULSA, OKLAHOMA 74136 Fax: (918) 658-0107			
	DRAWN	SJL	3/21
	DESIGNED	JMH	3/21
	SURVEY		
	PROJ. MGR.		
	LEAD MGR.		
PLAN SCALE 1" = 20' PROFILE SCALE HORIZONTAL: 1" = 20' VERTICAL: 1" = 5'	RECOMMENDED:		
	DESIGN MANAGER		CITY ENGINEER
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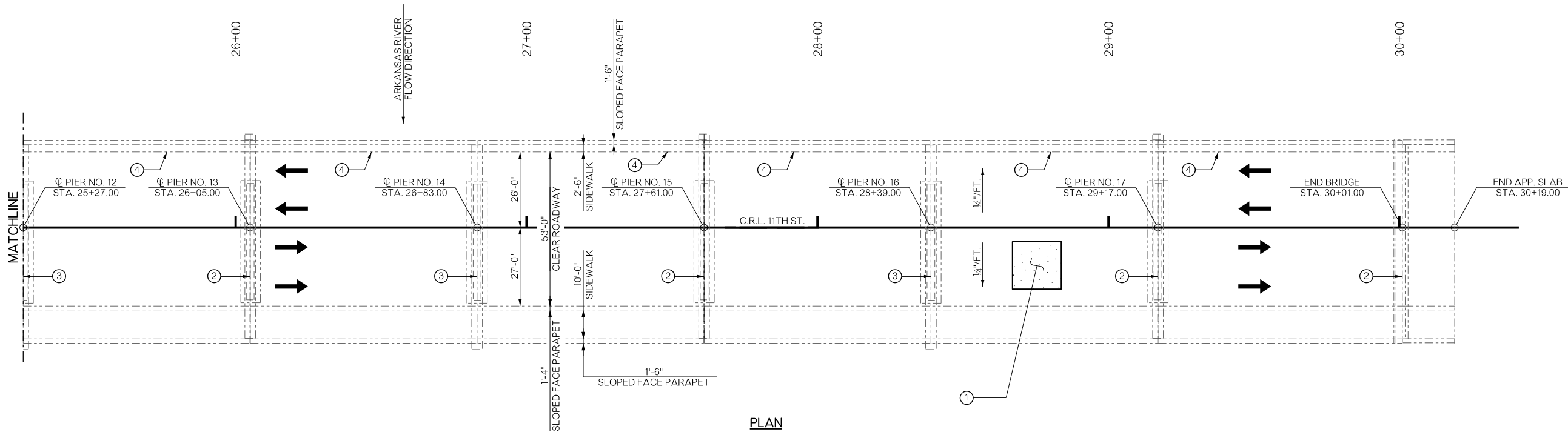


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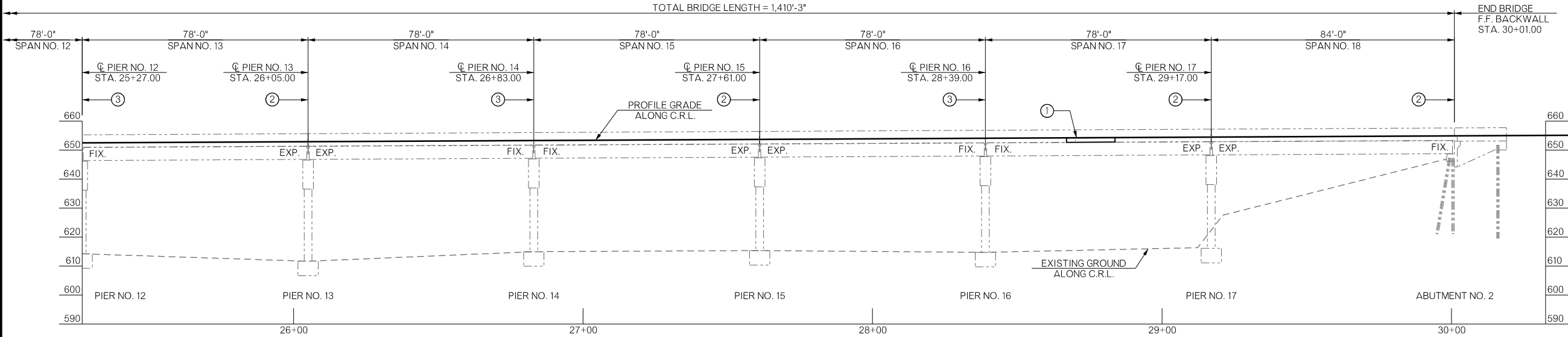
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ALL INFORMATION INCLUDED IN THESE PLANS IS BASED ON THE EXISTING AS-BUILT PLANS. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO ACCURATELY VERIFY THIS INFORMATION PRIOR TO ANY DEMOLITION OR CONSTRUCTION. FOR ADDITIONAL INFORMATION, SEE GENERAL NOTE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



PLAN



ELEVATION

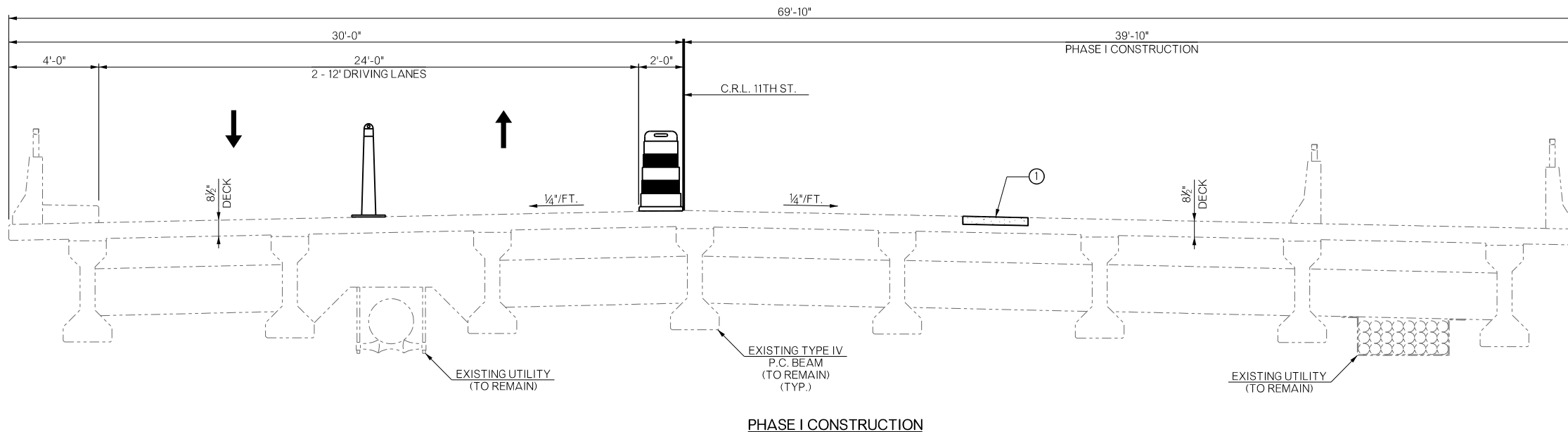
- ① CLASS B DECK REPAIR. SEE "BRIDGE DECK REPAIR" SHEETS FOR MORE INFORMATION.
- ② DECK AND 10'-0" SIDEWALK ONLY: REPLACE ELASTOMERIC MORTAR AND RESEAL JOINT. 2'-6" SIDEWALK AND PARAPET ONLY: CLEAN AND RESEAL JOINT.
- ③ DECK, SIDEWALK, AND PARAPET: CLEAN AND RESEAL JOINT.
- ④ CLEAN AND RESEAL 1/4" TRANSVERSE JOINTS IN THE SIDEWALK.



BRIDGE 245 - GENERAL PLAN AND ELEVATION (SHEET 3 OF 3)			
CITYWIDE BRIDGE REHABILITATION PROJECT NO. TD-2020-B1 100 W. 11th ST./SW BLVD. OVER ARKANSAS RIVER CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY: 6450 SOUTH LEWIS SUITE 300 Phone: (918) 250-8922 TULSA, OKLAHOMA 74136 Fax: (918) 658-0107			
	DRAWN	SJL	3/21
	DESIGNED	JMH	3/21
	SURVEY		
	PROJ. MGR.		
	LEAD MGR.		
PLAN SCALE 1" = 20' PROFILE SCALE HORIZONTAL: 1" = 20' VERTICAL: 1" = 5'	RECOMMENDED:		
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ATLAS PAGE NO.		SHEET 7 OF 39 SHEETS	

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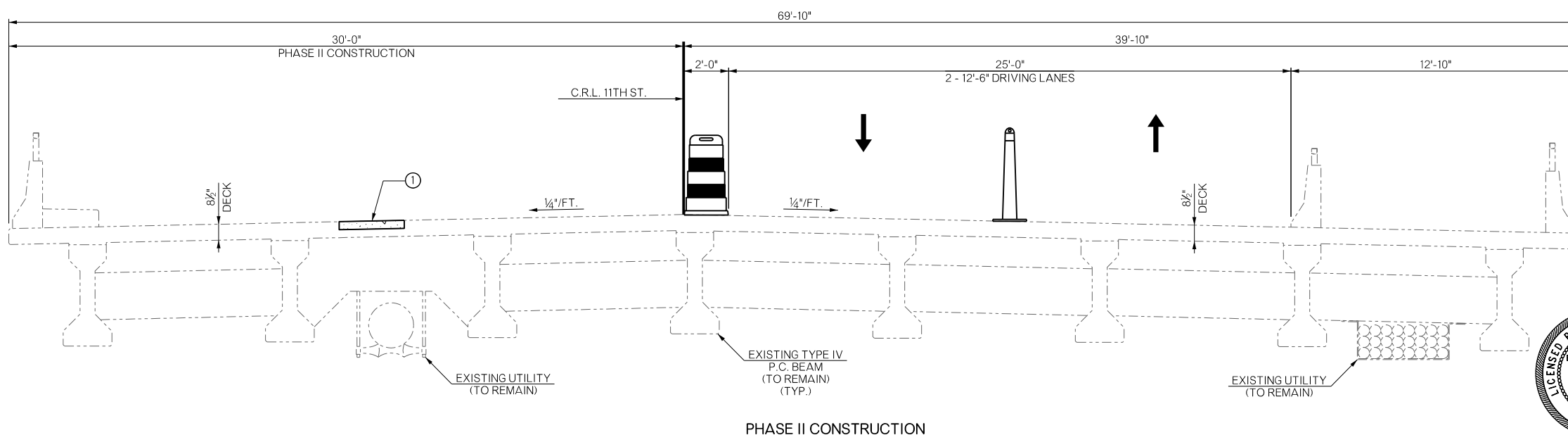
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#### LEGEND

- EXISTING STRUCTURE
- BRIDGE DECK REPAIR AREA
- CHANNELIZER CONE
- TRAFFIC DRUM

NOTE:  
SEE ODOT TRAFFIC CONTROL STD. TCS6-1-02  
FOR CHANNELIZER CONE AND DRUM.



#### BRIDGE 245 - SEQUENCE OF CONSTRUCTION

CITYWIDE BRIDGE REHABILITATION  
PROJECT NO. TD-2020-B1  
100 W. 11th ST./SW BLVD. OVER ARKANSAS RIVER  
CITY OF TULSA, OKLAHOMA  
ENGINEERING SERVICES DEPARTMENT



PLANS AND ESTIMATES PREPARED BY:  
6450 SOUTH LEWIS SUITE 300 Phone: (918) 250-8922  
TULSA, OKLAHOMA 74136 Fax: (918) 658-0107

DRAWN	SJL	3/21
DESIGNED	JMH	3/21
SURVEY		
PROJ. MGR.		
LEAD MGR.		
FIELD MGR.		
RECOMMENDED:		

PLAN SCALE  
1" = 20'

PROFILE SCALE  
HORIZONTAL:  
1" = 20'

VERTICAL:  
1" = 5'

DESIGN MANAGER

DRAWING:

DATE:

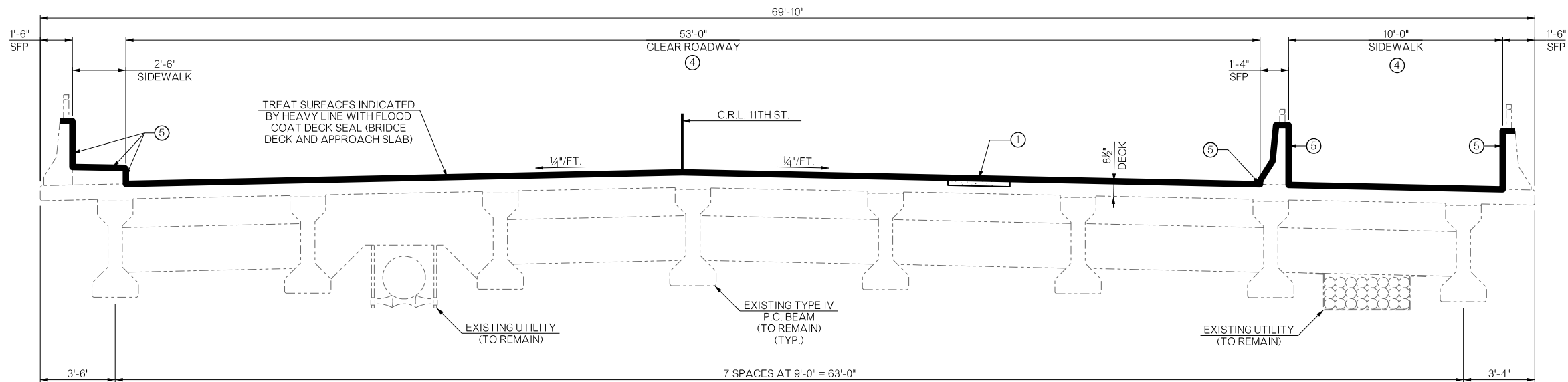
CITY ENGINEER

DATE:

SHEET 8 OF 39 SHEETS

ADVISE DATE:		
REVISION	BY	DATE

ALL 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.



① CLASS B BRIDGE DECK REPAIR AS SHOWN IN THE PLANS.

**TYPICAL SECTION**  
(LOOKING FORWARD STATION)

④ ELASTOMERIC MORTAR WITHIN THE CLEAR ROADWAY AND 10'-0" SIDEWALK EXTENTS.

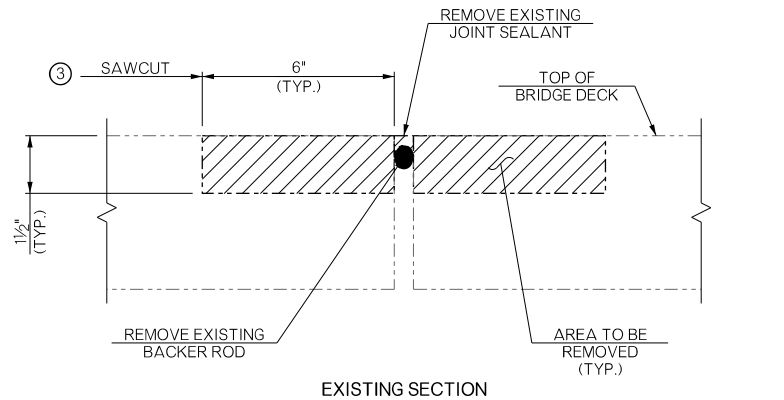
RAPID CURE JOINT SEALANT WITH BACKER ROD WITHIN THE CLEAR ROADWAY EXTENTS. EXTEND UP CURB AND 6" UP FACE OF CONCRETE PARAPETS. SEE DETAIL "A".

⑤ CLEAN AND RESEAL JOINTS IN PARAPETS, CURB, AND SIDEWALK. SEE DETAIL "A".

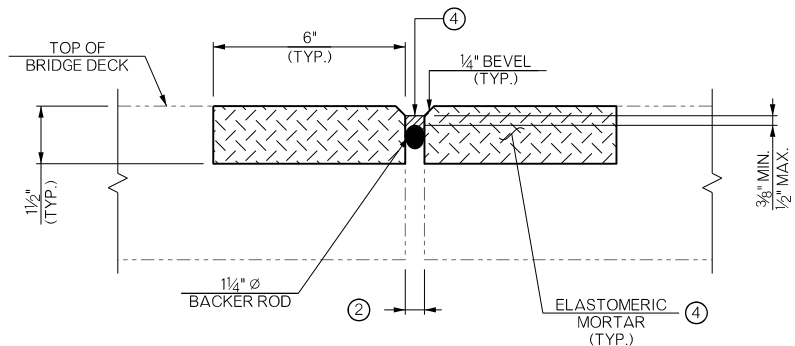
**LEGEND**

----- EXISTING STRUCTURE

BRIDGE DECK REPAIR AREA

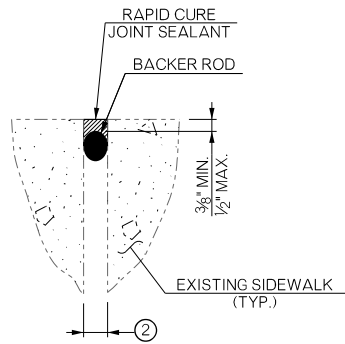


**EXISTING SECTION**



**PROPOSED SECTION**

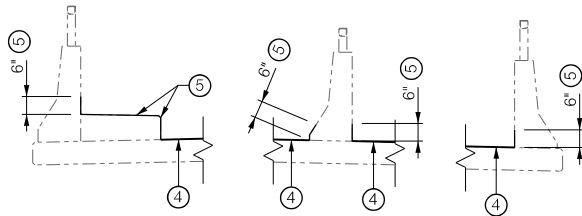
**EXPANSION JOINT REPAIR DETAIL**  
(SHALL BE REMOVED AND CONSTRUCTED IN STAGES)  
(ONLY APPLICABLE IN THE DRIVING LANES AND 10'-0" SIDEWALK)



**SIDEWALK JOINT DETAIL**

② WIDTH OF JOINT OPENING TO MATCH EXISTING JOINT WIDTH, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

③ WHEN BROKEN OR SPALLED EXISTING CONCRETE OR ELASTOMERIC MORTAR IS GREATER THAN 6" SHOWN, CHIP TO SOUND CONCRETE AND SAWCUT SQUARES/RECTANGLE AROUND DAMAGED AREA. REPAIR WITH CLASS B BRIDGE DECK REPAIR.



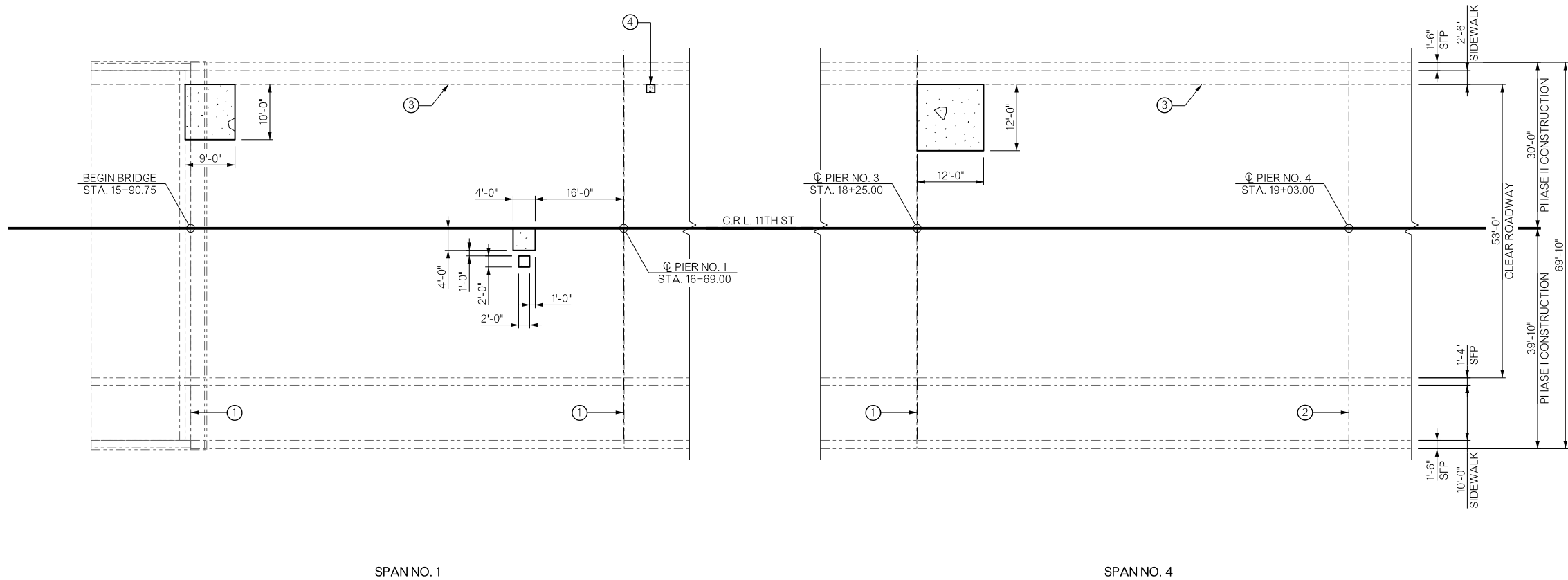
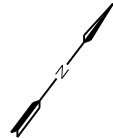
**DETAIL "A"**



BRIDGE 245 - TYPICAL SECTION			
CITYWIDE BRIDGE REHABILITATION			
PROJECT NO. TD-2020-B1			
100 W. 11th ST./SW BLVD. OVER ARKANSAS RIVER			
CITY OF TULSA, OKLAHOMA			
ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:			
6450 SOUTH LEWIS SUITE 300 Phone: (918) 250-8922			
TULSA, OKLAHOMA 74136 Fax: (918) 658-0107			
DRAWN		SJL	3/21
DESIGNED		JMH	3/21
SURVEY			
PROJ. MGR.			
LEAD MGR.			
FIELD MGR.			
RECOMMENDED:			
DESIGN MANAGER			
CITY ENGINEER			
DATE:			
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REVISION	BY	DATE

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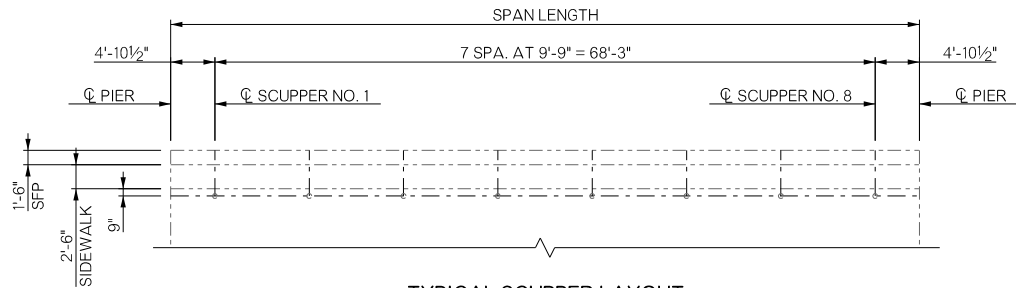


- ① ABUTMENT NOS. 1 & 2 AND PIER NOS. 1, 3, 5, 7, 9, 11, 13, 15, & 17:  
DECK AND 10'-0" SIDEWALK ONLY: REPLACE ELASTOMERIC MORTAR AND RESEAL JOINT.  
2'-6" SIDEWALK AND PARAPET ONLY: CLEAN AND RESEAL JOINT.
- ② PIER NOS. 2, 4, 6, 8, 10, 12, 14, & 16:  
DECK AND SIDEWALK: CLEAN AND RESEAL JOINT.
- ③ CLEAN AND RESEAL JOINTS IN THE PARPAETS, CURB, AND SIDEWALK. SEE DETAIL "A" ON SHEET NO. 9.
- ④ SCUPPER REPAIR, NORTH SCUPPERS ONLY. 1'-6" x 1'-6" CLASS A BRIDGE DECK REPAIR AREA.  
SEE "TYPICAL SCUPPER LAYOUT" AND "TABLE OF VARIABLES".

#### LEGEND

- EXISTING STRUCTURE
- CLASS A BRIDGE DECK REPAIR AT SCUPPERS ONLY
- CLASS B BRIDGE DECK REPAIR AT ALL OTHER LOCATIONS

#### BRIDGE DECK REPAIR PLAN



#### TYPICAL SCUPPER LAYOUT

TABLE OF VARIABLES	
SPAN NO.	SCUPPER NOS.
2	1, 3, 4, 5, 8
3	1, 3
5	3, 4, 8
8	5, 6
12	2, 3

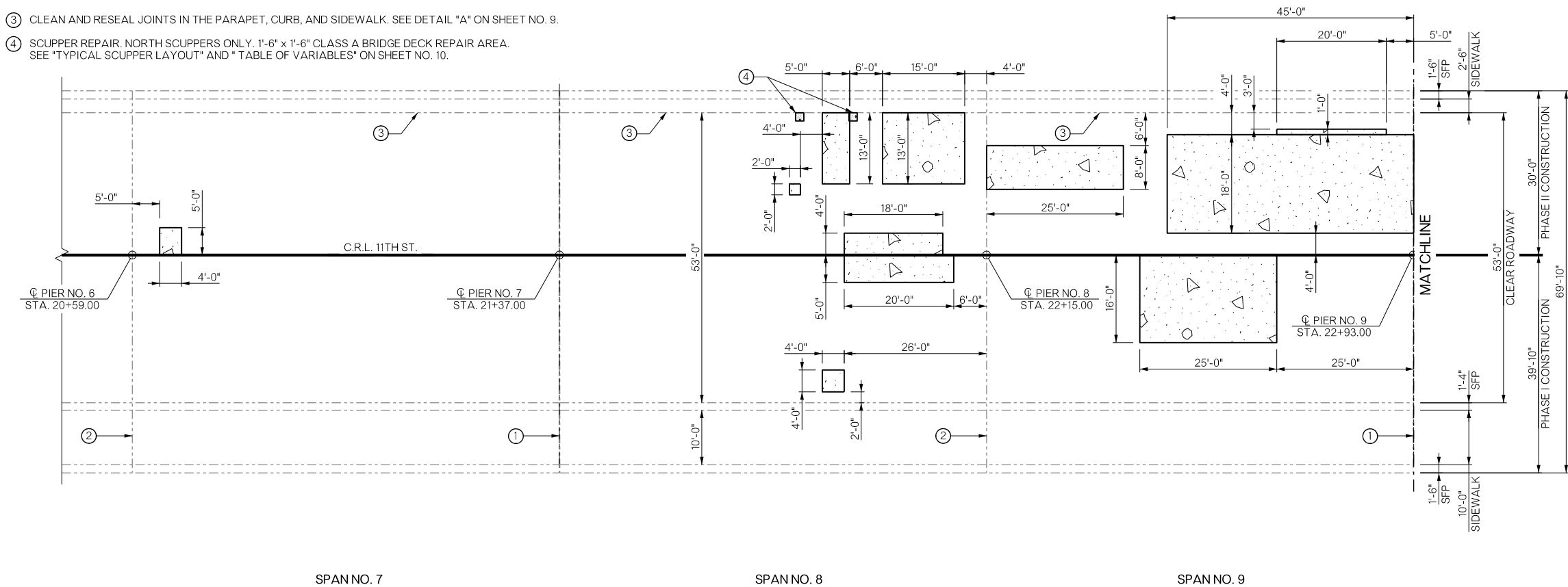


BRIDGE 245 - BRIDGE DECK REPAIR (SHEET 1 OF 2)	
CITYWIDE BRIDGE REHABILITATION PROJECT NO. TD-2020-B1 100 W. 11th ST./SW BLVD. OVER ARKANSAS RIVER CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT	
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	APPROVED:
DRAWN SJL 3/21	DESIGNED JMH 3/21
SURVEY	PROJ. MGR.
LEAD MGR.	FIELD MGR.
RECOMMENDED:	DESIGN MANAGER
PLAN SCALE 1" = 20'	CITY ENGINEER
PROFILE SCALE HORIZONTAL: 1" = 20'	DATE:
VERTICAL: 1" = 5'	FILE: DRAWING:
ATLAS PAGE NO.	SHEET 10 OF 39 SHEETS

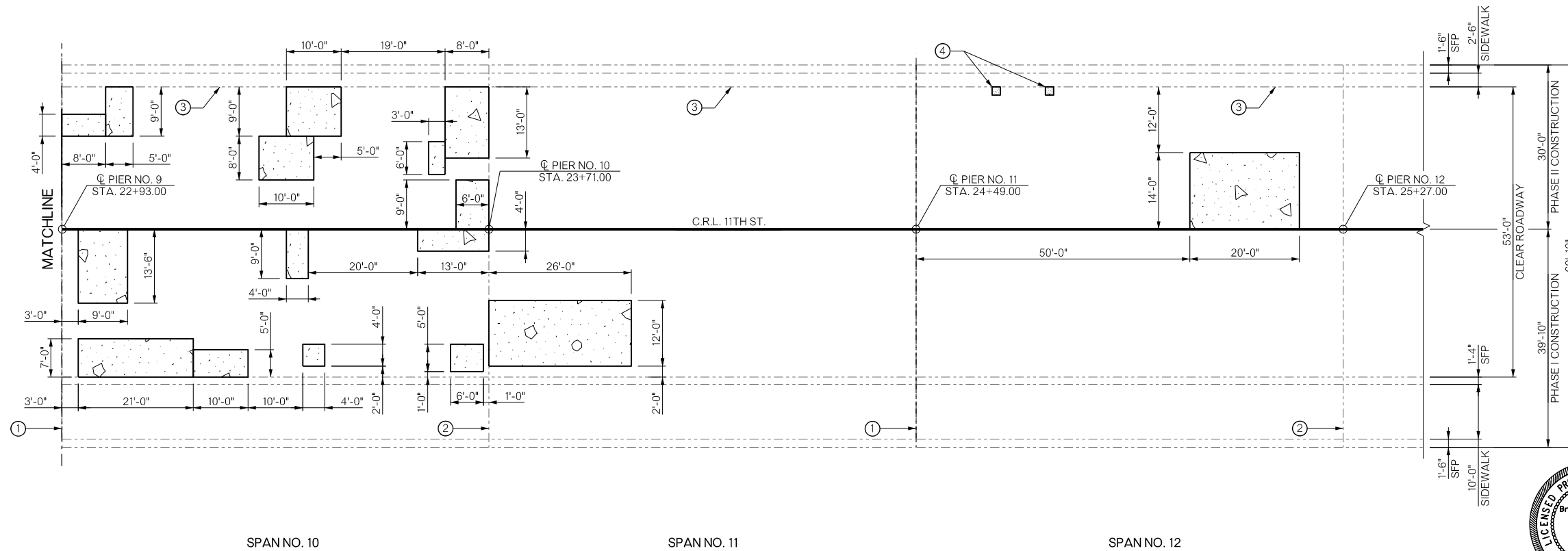


- ① ABUTMENT NOS. 1 & 2 AND PIER NOS. 1, 3, 5, 7, 9, 11, 13, 15, & 17:  
DECK AND 10'-0" SIDEWALK ONLY: REPLACE ELASTOMERIC MORTAR AND RESEAL JOINT.  
2'-6" SIDEWALK AND PARAPET ONLY: CLEAN AND RESEAL JOINT.
- ② PIER NOS. 2, 4, 6, 8, 10, 12, 14, & 16:  
DECK AND SIDEWALK: CLEAN AND RESEAL JOINT.
- ③ CLEAN AND RESEAL JOINTS IN THE PARAPET, CURB, AND SIDEWALK. SEE DETAIL "A" ON SHEET NO. 9.
- ④ SCUPPER REPAIR, NORTH SCUPPERS ONLY. 1'-6" x 1'-6" CLASS A BRIDGE DECK REPAIR AREA.  
SEE "TYPICAL SCUPPER LAYOUT" AND "TABLE OF VARIABLES" ON SHEET NO. 10.

ALL 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.



BRIDGE DECK REPAIR PLAN



BRIDGE DECK REPAIR PLAN

LEGEND

- EXISTING STRUCTURE
- CLASS A BRIDGE DECK REPAIR AT SCUPPERS ONLY
- CLASS B BRIDGE DECK REPAIR AT ALL OTHER LOCATIONS



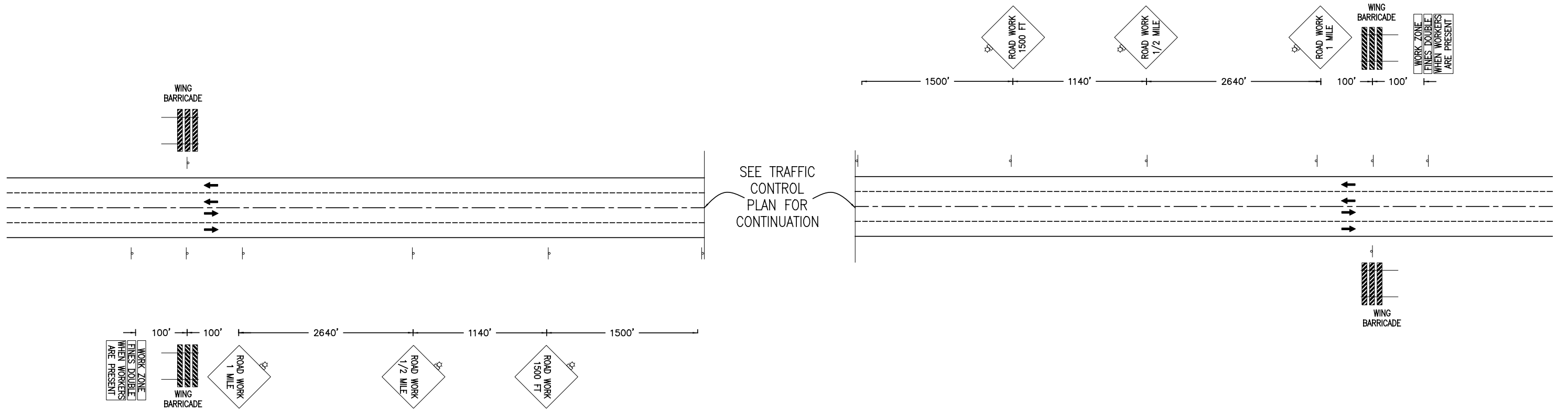
BRIDGE 245 - BRIDGE DECK REPAIR (SHEET 2 OF 2)			
CITYWIDE BRIDGE REHABILITATION PROJECT NO. TD-2020-B1 100 W. 11th ST./SW BLVD. OVER ARKANSAS RIVER CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY: 6450 SOUTH LEWIS SUITE 300 Phone: (918) 250-8922 TULSA, OKLAHOMA 74136 Fax: (918) 658-0107			
DRAWN SJL 3/21		APPROVED:	
DESIGNED JMH 3/21			
SURVEY			
PROJ. MGR.			
LEAD MGR.			
FIELD MGR.			
RECOMMENDED:			
DESIGN MANAGER		CITY ENGINEER	
DATE:		DATE:	
ATLAS PAGE NO.		SHEET 11 OF 39 SHEETS	



ADVERTISE DATE:		
REVISION	BY	DATE

PLAN SCALE 1" = 20'	VERTICAL: 1" = 5'
PROFILE SCALE HORIZONTAL: 1" = 20'	FILE:
RECOMMENDED:	DRAWING:
DESIGN MANAGER	CITY ENGINEER
DATE:	DATE:
ATLAS PAGE NO.	SHEET 11 OF 39 SHEETS

\$\$\$USER\$\$\$  
\$\$\$WORKSPACE\$\$\$  
\$\$\$TIME\$\$\$  
\$\$\$FILE\$\$\$



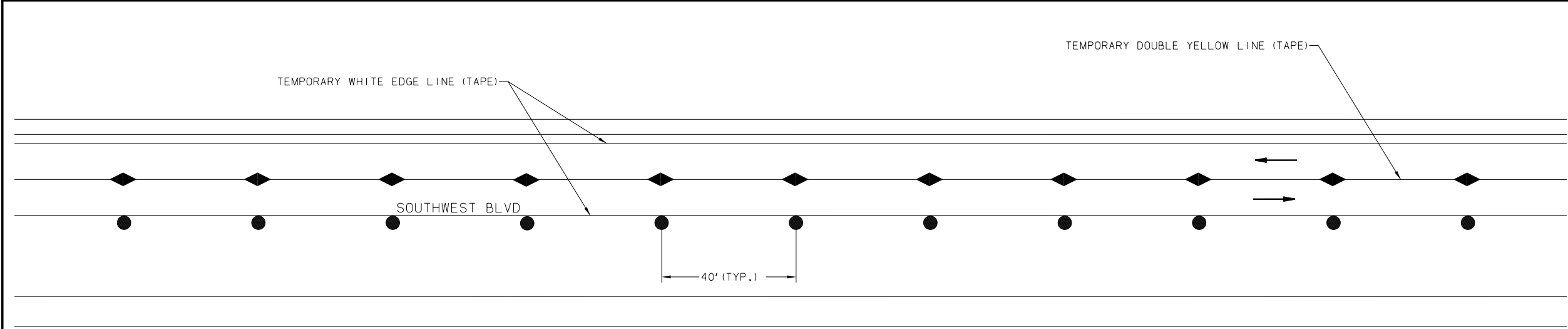
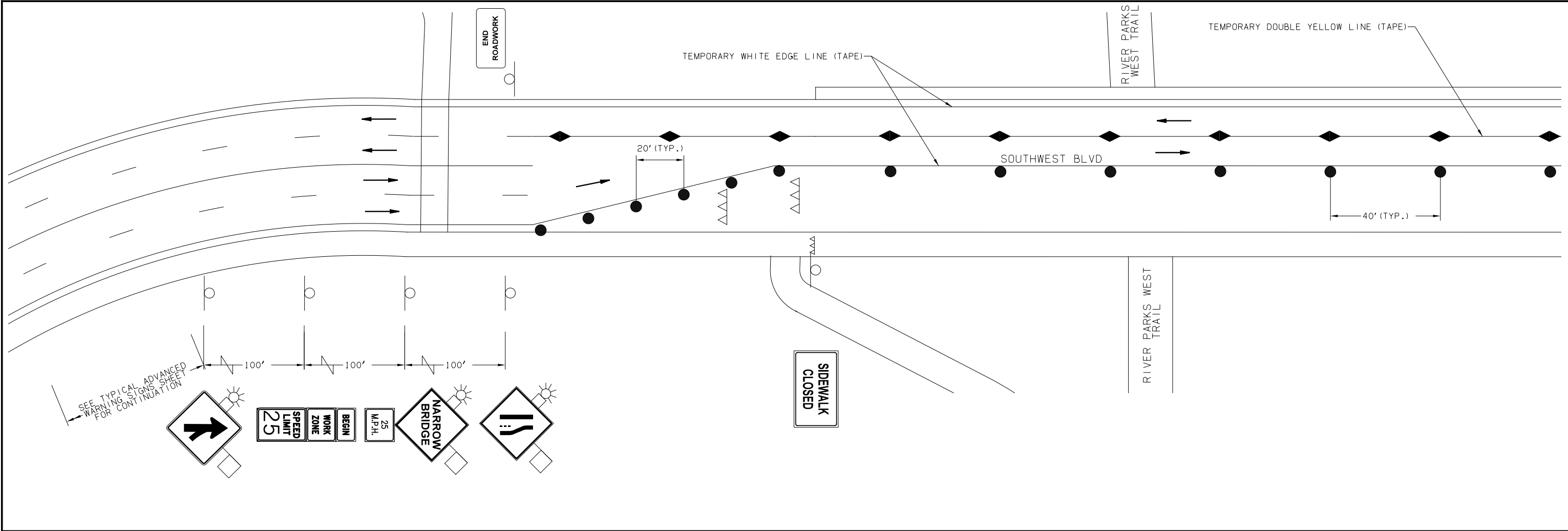
NOTE 1: CONSTRUCTION SPEED LIMIT TO BE DETERMINED BY THE ENGINEER.



1/19/22

TYPICAL ADVANCED WARNING SIGNS			
CITYWIDE BRIDGE REHABILITATION PROJECT NO. TD-2020-B1			
CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY: 6450 SOUTH LEWIS SUITE 300 Phone: (918) 250-8922 TULSA, OKLAHOMA 74138 Fax: (918) 658-0107			
	DRAWN	KDH	12/21
	DESIGNED	KDH	12/21
	SURVEY	N/A	N/A
	PROJ. MGR.		
PLAN SCALE 1" = 20' PROFILE SCALE HORIZONTAL: 1" = 20' VERTICAL: 1" = 5'	LEAD MGR.		
	FIELD MGR.		
	RECOMMENDED:		
	DESIGN MANAGER		CITY ENGINEER
ADVERTISE DATE:	REVISION	BY	DATE
FILE:	DRAWING:		DATE:
ATLAS PAGE NO.			SHEET 12 OF 39 SHEETS

\$\$\$USERS\$\$\$  
\$\$\$WORKSPACE\$\$\$  
\$\$\$WORKSPACE\$\$\$  
\$\$\$FILES\$\$\$



NOTES

1. CONSTRUCTION SIGNS SHALL BE VISIBLE ONLY WHEN ACTIVITIES WARRANT. TO BE COVERED OR REMOVED WHEN NOT IN USE.
2. EXISTING SIGNS THAT WOULD INTERFERE WITH CONSTRUCTION ZONE SIGNING SHALL BE REMOVED OR COVERED.
3. (1) W1-8 SHALL BE PLACED ON EVERY OTHER DRUM THRU LANE TAPERS.
4. GUIDELINES FROM THE 2009 MUTCD SHALL GOVERN.

LEGEND

- DRUM
- ◆ TUBE CHANNELIZER
- TRAFFIC CONTROL SIGN ASSEMBLY
- ▽▽▽ TYPE III BARRICADE
- ⇄ TRAFFIC DIRECTION



Keystone

1/19/22

ADVERTISE DATE:	REVISION	BY	DATE



BRIDGE 245 - SUGGESTED CONSTRUCTION SEQUENCE AND TRAFFIC CONTROL - PHASE 1 (SHEET 1 OF 2)			
CITYWIDE BRIDGE REHABILITATION			
PROJECT NO. TD-2020-B1			
100 W. 11th ST./SW BLVD. OVER ARKANSAS RIVER			
CITY OF TULSA, OKLAHOMA			
ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:			
6450 SOUTH LEWIS SUITE 300		Phone: (918) 250-8922	
TULSA, OKLAHOMA 74138		Fax: (918) 658-0107	
APPROVED:			
DRAWN	KDH	12/21	
DESIGNED	KDH	12/21	
SURVEY	N/A	N/A	
PROJ. MGR.			
LEAD MGR.			
FIELD MGR.			
RECOMMENDED:			
DESIGN MANAGER		CITY ENGINEER	
DATE:		DATE:	
FILE:		DRAWING:	
ATLAS PAGE NO.		SHEET 13 OF 39 SHEETS	

SS:USERS\$  
WORKSPACE\$  
SS:FILES\$

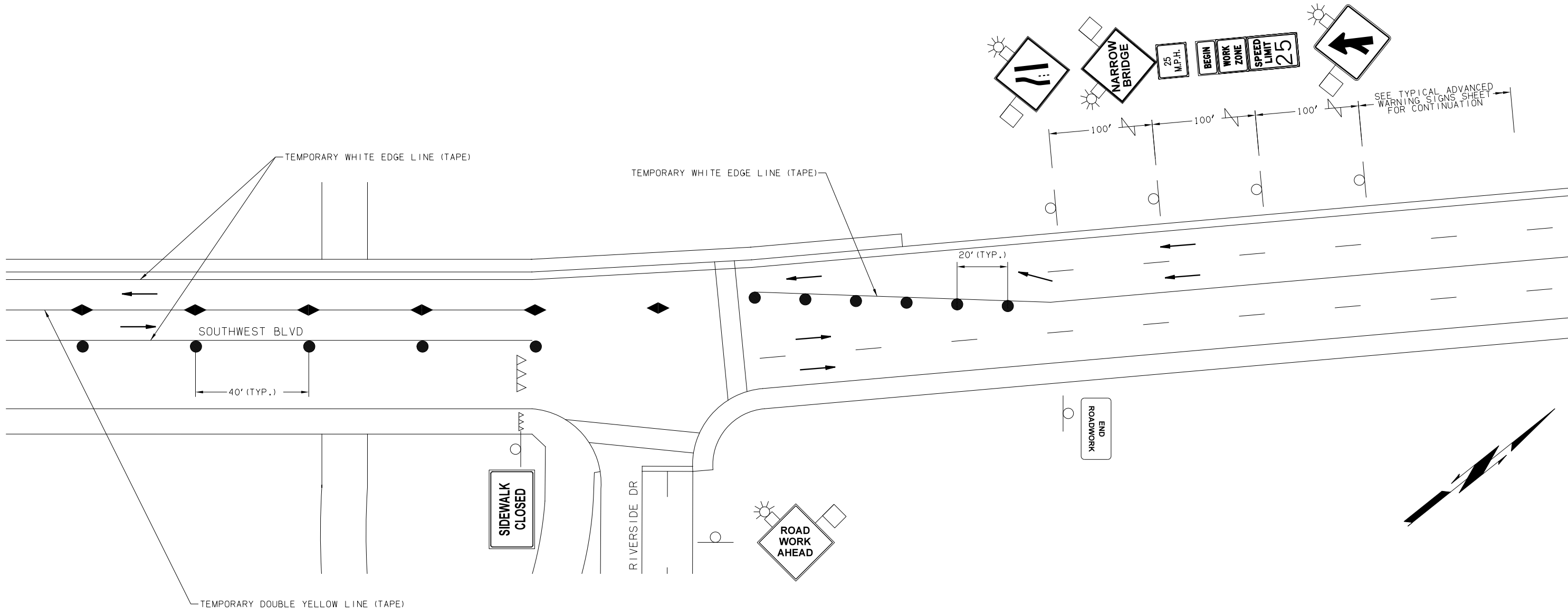
SS:DAT\$  
SS:TIM\$  
SS:WORKSPACE\$


NOTES

1. CONSTRUCTION SIGNS SHALL BE VISIBLE ONLY WHEN ACTIVITIES WARRANT. TO BE COVERED OR REMOVED WHEN NOT IN USE.
2. EXISTING SIGNS THAT WOULD INTERFERE WITH CONSTRUCTION ZONE SIGNING SHALL BE REMOVED OR COVERED.
3. (1)W1-8 SHALL BE PLACED ON EVERY OTHER DRUM THRU LANE TAPERS.
4. GUIDELINES FROM THE 2009 MUTCD SHALL GOVERN.

LEGEND

- DRUM
- ◆ TUBE CHANNELIZER
- TRAFFIC CONTROL SIGN ASSEMBLY
- ▽▽▽ TYPE III BARRICADE
- TRAFFIC DIRECTION

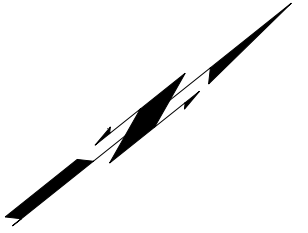
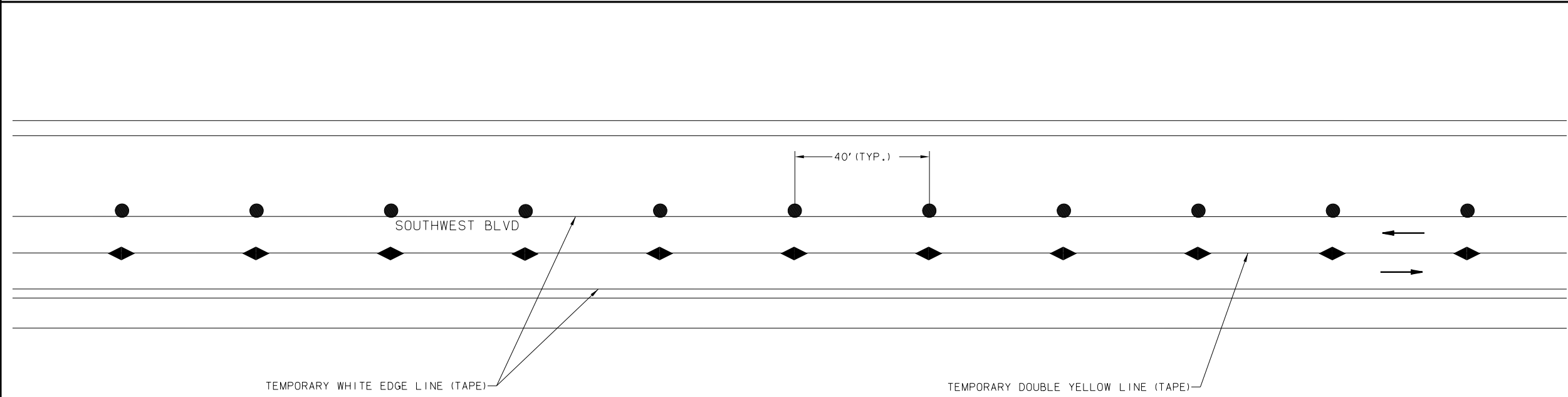
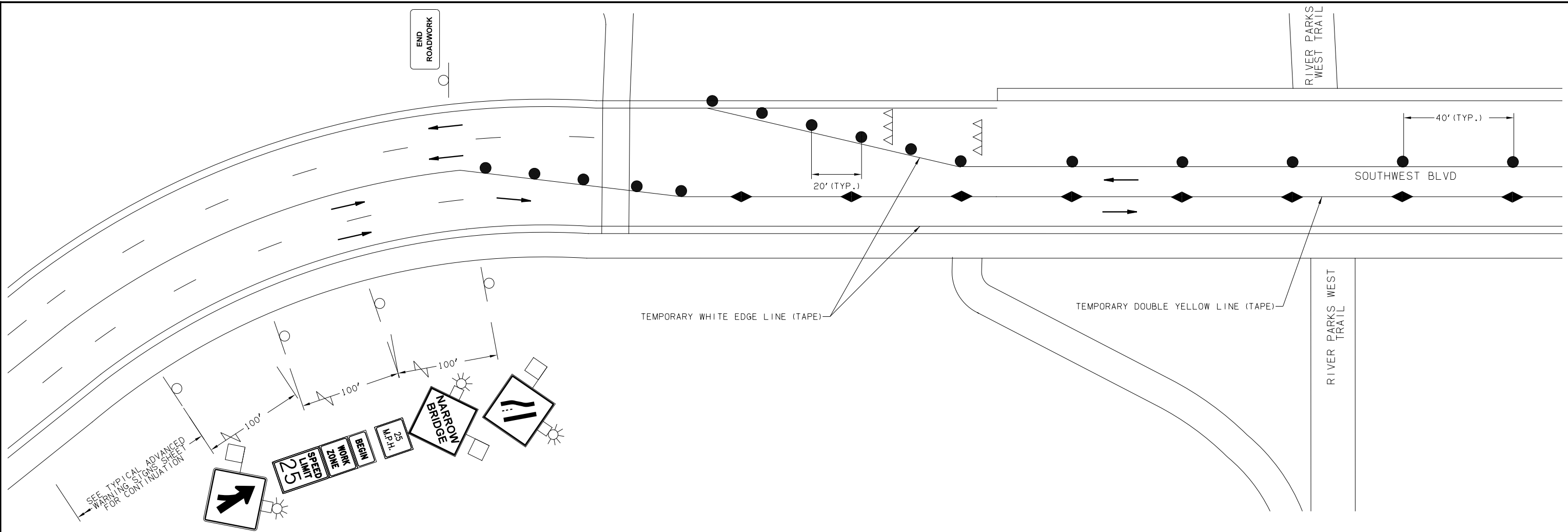


BRIDGE 245 - SUGGESTED CONSTRUCTION SEQUENCE AND TRAFFIC CONTROL - PHASE 1 (SHEET 2 OF 2)			
CITYWIDE BRIDGE REHABILITATION PROJECT NO. TD-2020-B1 100 W. 11th ST./SW BLVD. OVER ARKANSAS RIVER CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:			
6450 SOUTH LEWIS SUITE 300 TULSA, OKLAHOMA 74136		Phone: (918) 250-5922 Fax: (918) 658-0107	
	DRAWN	KDH	12/21
	DESIGNED	KDH	12/21
	SURVEY	N/A	N/A
	PROJ. MGR.		
	LEAD MGR.		
PLAN SCALE 1" = 20'  PROFILE SCALE HORIZONTAL: 1"=20'  VERTICAL: 1"=5'	FIELD MGR.		
	RECOMMENDED:		
	DESIGN MANAGER		CITY ENGINEER
FILE:	DRAWING:		DATE:
ATLAS PAGE NO.		SHEET 14 OF 39 SHEETS	



ADVERTISE DATE:	BY	DATE
REVISION		

SS:USERS\$  
WORKSPACE:SS:WORKSPACE\$  
SS:FILES\$



- NOTES
1. CONSTRUCTION SIGNS SHALL BE VISIBLE ONLY WHEN ACTIVITIES WARRANT. TO BE COVERED OR REMOVED WHEN NOT IN USE.
  2. EXISTING SIGNS THAT WOULD INTERFERE WITH CONSTRUCTION ZONE SIGNING SHALL BE REMOVED OR COVERED.
  3. (1) W1-8 SHALL BE PLACED ON EVERY OTHER DRUM THRU LANE TAPERS.
  4. GUIDELINES FROM THE 2009 MUTCD SHALL GOVERN.

- LEGEND
- DRUM
  - ◆ TUBE CHANNELIZER
  - TRAFFIC CONTROL SIGN ASSEMBLY
  - ▽▽▽ TYPE III BARRICADE
  - ⇄ TRAFFIC DIRECTION

KeyStone


ADVERTISE DATE: \_\_\_\_\_

REVISION	BY	DATE

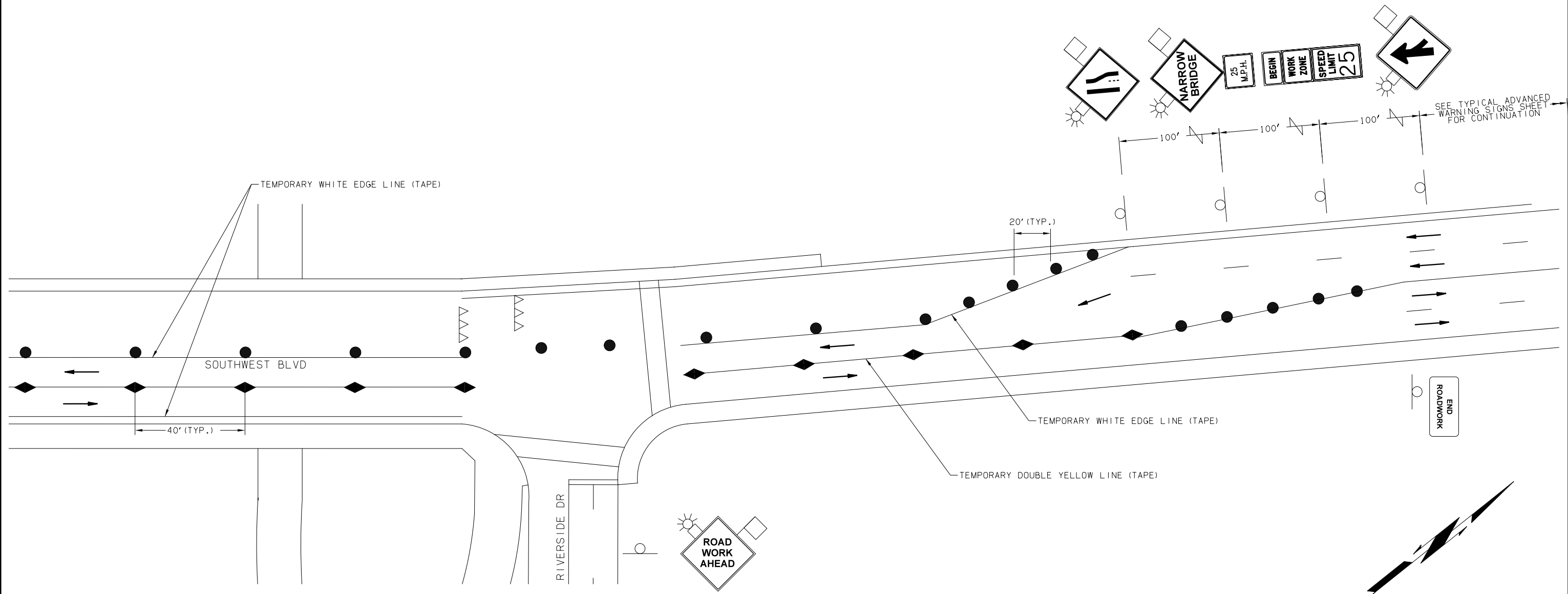
PLAN SCALE: 1" = 20'  
PROFILE SCALE: 1" = 5'

FILE: \_\_\_\_\_

ATLAS PAGE NO. \_\_\_\_\_

BRIDGE 245 - SUGGESTED CONSTRUCTION SEQUENCE AND TRAFFIC CONTROL - PHASE 2 (SHEET 1 OF 2)			
CITYWIDE BRIDGE REHABILITATION			
PROJECT NO. TD-2020-B1			
100 W. 11th ST./SW BLVD. OVER ARKANSAS RIVER			
CITY OF TULSA, OKLAHOMA			
ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:			
6450 SOUTH LEWIS SUITE 300		Phone: (918) 250-8922	
TULSA, OKLAHOMA 74136		Fax: (918) 658-0107	
	DRAWN	KDH	12/21
	DESIGNED	KDH	12/21
	SURVEY	N/A	N/A
	PROJ. MGR.		
	LEAD MGR.		
RECOMMENDED:			
DESIGN MANAGER			
CITY ENGINEER			
DATE:			
SHEET 15 OF 39 SHEETS			

SS:USERS\$  
WORKSPACE:SS:WORKSPACE\$  
SS:FILES\$



NOTES

1. CONSTRUCTION SIGNS SHALL BE VISIBLE ONLY WHEN ACTIVITIES WARRANT. TO BE COVERED OR REMOVED WHEN NOT IN USE.
2. EXISTING SIGNS THAT WOULD INTERFERE WITH CONSTRUCTION ZONE SIGNING SHALL BE REMOVED OR COVERED.
3. (1) W1-8 SHALL BE PLACED ON EVERY OTHER DRUM THRU LANE TAPERS.
4. GUIDELINES FROM THE 2009 MUTCD SHALL GOVERN.

LEGEND

- DRUM
- ◆ TUBE CHANNELIZER
- TRAFFIC CONTROL SIGN ASSEMBLY
- ▽▽▽ TYPE III BARRICADE
- TRAFFIC DIRECTION



BRIDGE 245 - SUGGESTED CONSTRUCTION SEQUENCE AND TRAFFIC CONTROL - PHASE 2 (SHEET 2 OF 2)

CITYWIDE BRIDGE REHABILITATION  
PROJECT NO. TD-2020-B1

100 W. 11th ST./SW BLVD. OVER ARKANSAS RIVER

CITY OF TULSA, OKLAHOMA  
ENGINEERING SERVICES DEPARTMENT



PLANS AND ESTIMATES PREPARED BY:  
6450 SOUTH LEWIS SUITE 300 Phone: (918) 250-8922  
TULSA, OKLAHOMA 74136 Fax: (918) 658-0107

APPROVED:

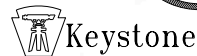
DRAWN KDH 12/21  
DESIGNED KDH 12/21  
SURVEY N/A N/A  
PROJ. MGR.   
LEAD MGR.   
FIELD MGR.   
RECOMMENDED:

PLAN SCALE 1" = 20'  
PROFILE SCALE HORIZONTAL: 1" = 20'  
VERTICAL: 1" = 5'

DESIGN MANAGER CITY ENGINEER

FILE: DRAWING: DATE:

ATLAS PAGE NO. SHEET 16 OF 39 SHEETS

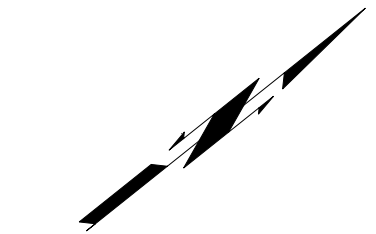
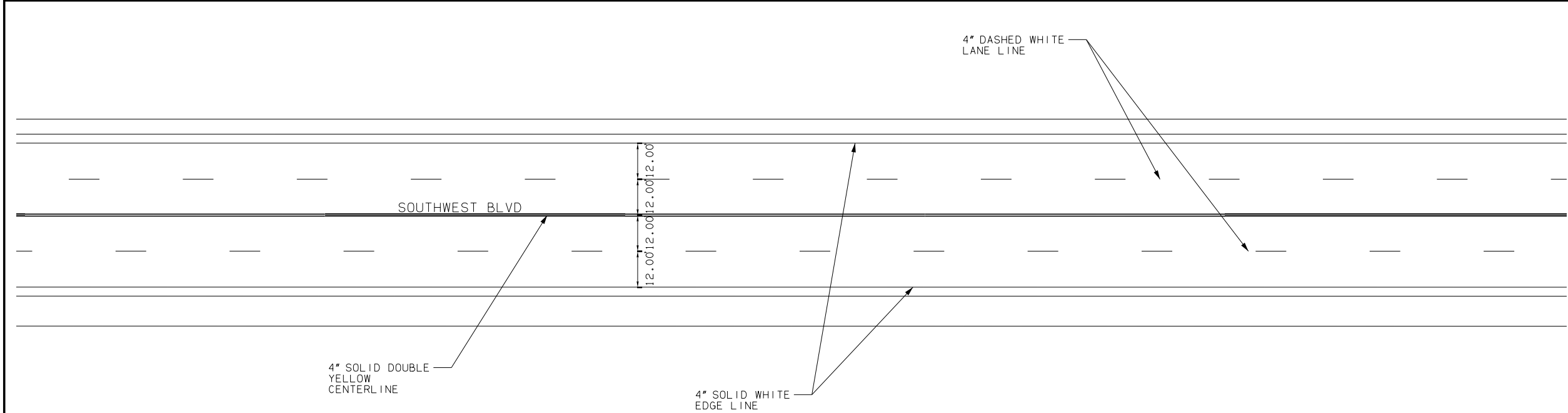
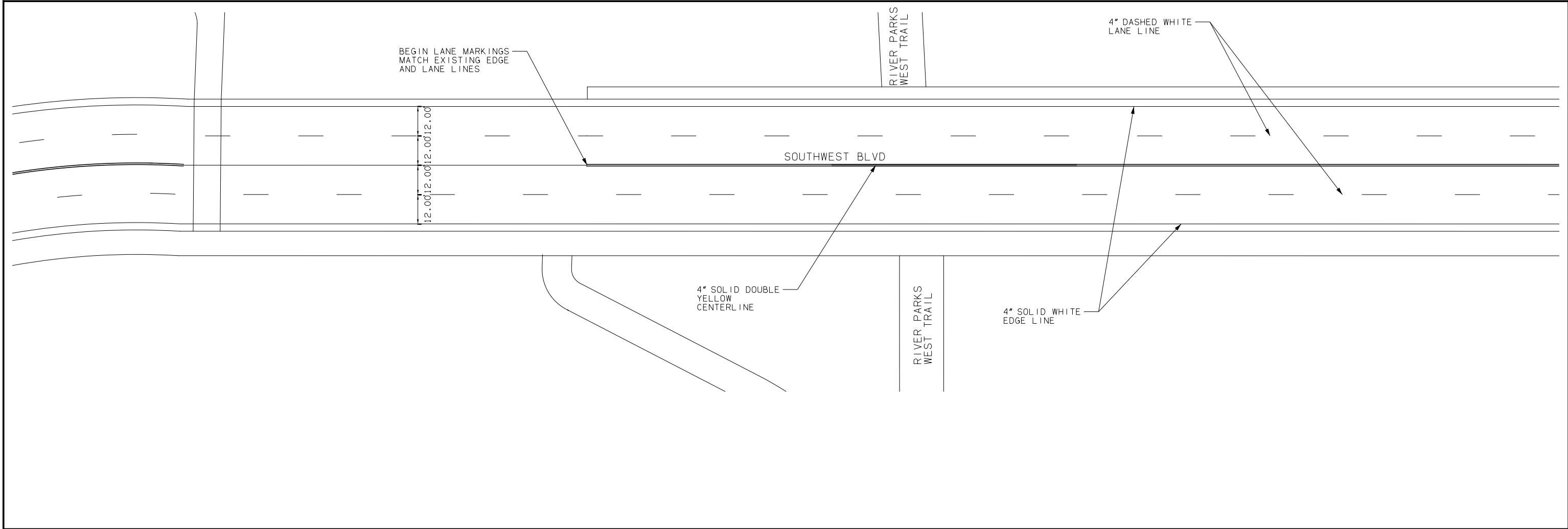


ADVERTISE DATE: REVISION BY DATE

1/19/22



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WORKSPACE:SS:WORKSPACE\$  
SS:FILES\$



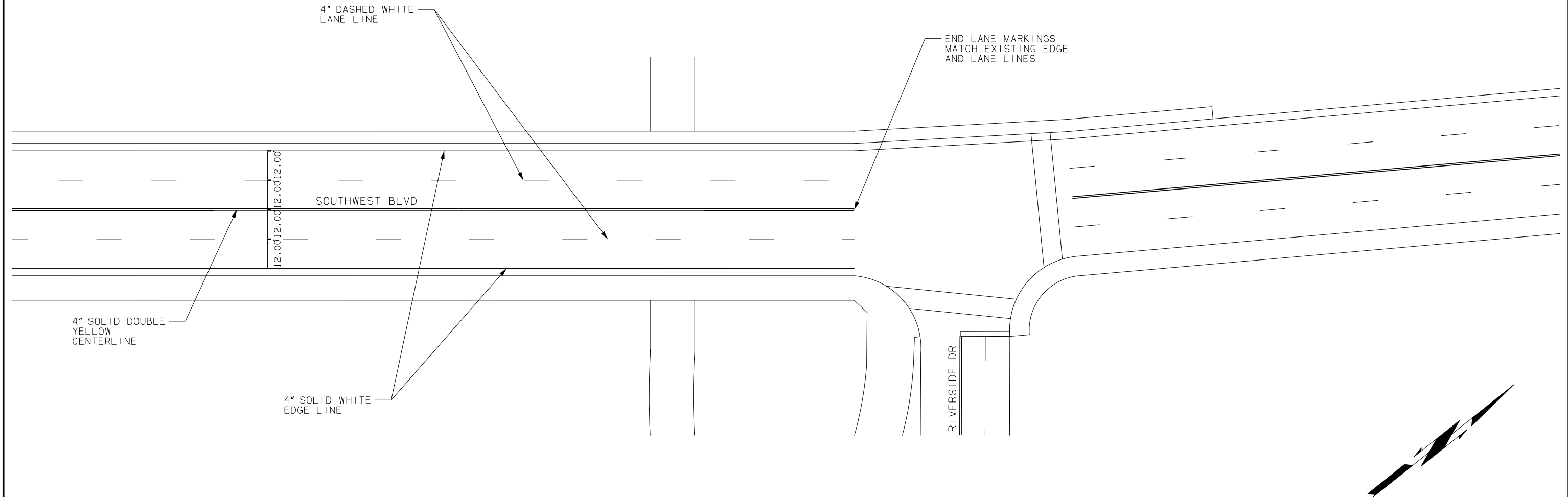
- NOTES
1. ALL STRIPING SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.
  2. ALL STRIPING SHALL MATCH EXISTING STRIPING AT PROJECT TERMINAL POINTS.
  3. ALL EXISTING SIGNS ARE TO REMAIN IN PLACE.
  4. SEE ODOT STANDARD DRAWINGS FOR ADDITIONAL DETAILS.

ADVERTISE DATE:			VERTICAL: 1"=5'				
REVISION	BY	DATE			DESIGN MANAGER	CITY ENGINEER	
			FILE:		DRAWING:	DATE:	
			ATLAS PAGE NO.				SHEET 17 OF 39 SHEETS

SSUSERS\$  
WORKSPACE\$  
SSFILES\$

SSDATE\$  
SSWORKSPACE\$

SSTIME\$



NOTES

1. ALL STRIPING SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.
2. ALL STRIPING SHALL MATCH EXISTING STRIPING AT PROJECT TERMINAL POINTS.
3. ALL EXISTING SIGNS ARE TO REMAIN IN PLACE.
4. SEE ODOT STANDARD DRAWINGS FOR ADDITIONAL DETAILS.



ADVERTISE DATE:			REVISION			BY	DATE
FILE:			DRAWING:			DATE:	
ATLAS PAGE NO.						SHEET 18 OF 39 SHEETS	

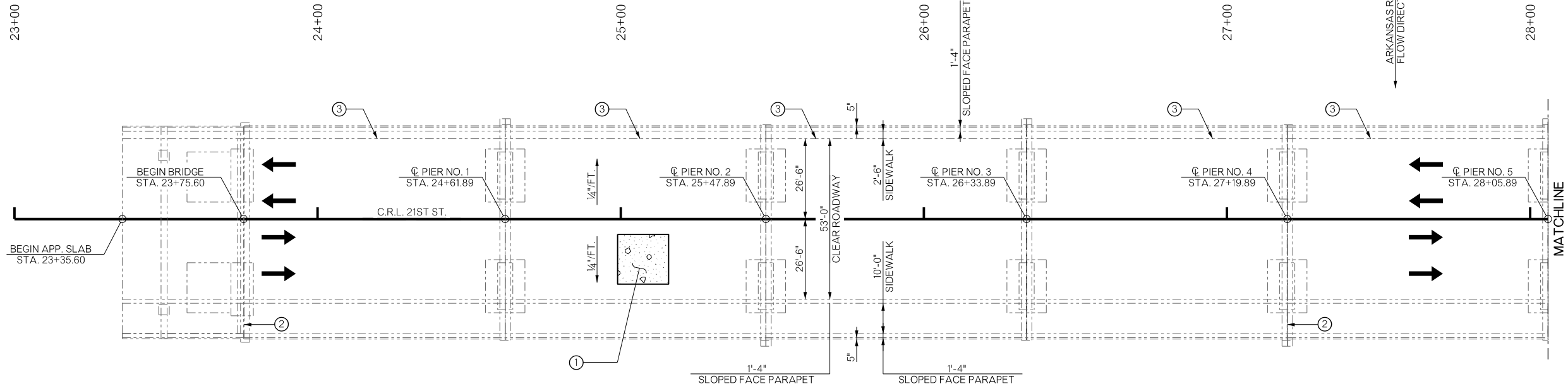


BRIDGE 245 - PAVEMENT MARKING (SHEET 2 OF 2)			
CITYWIDE BRIDGE REHABILITATION PROJECT NO. TD-2020-B1 100 W. 11th ST./SW BLVD. OVER ARKANSAS RIVER CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY: 6450 SOUTH LEWIS SUITE 300 Phone: (918) 250-8922 TULSA, OKLAHOMA 74138 Fax: (918) 658-0107			
	DRAWN	KDH	12/21
	DESIGNED	KDH	12/21
	SURVEY	N/A	N/A
	PROJ. MGR.		
	LEAD MGR.		
PLAN SCALE 1" = 20'		APPROVED:	
PROFILE SCALE HORIZONTAL: 1"=20'			
VERTICAL: 1"=5'			
		DESIGN MANAGER	CITY ENGINEER
		DATE:	

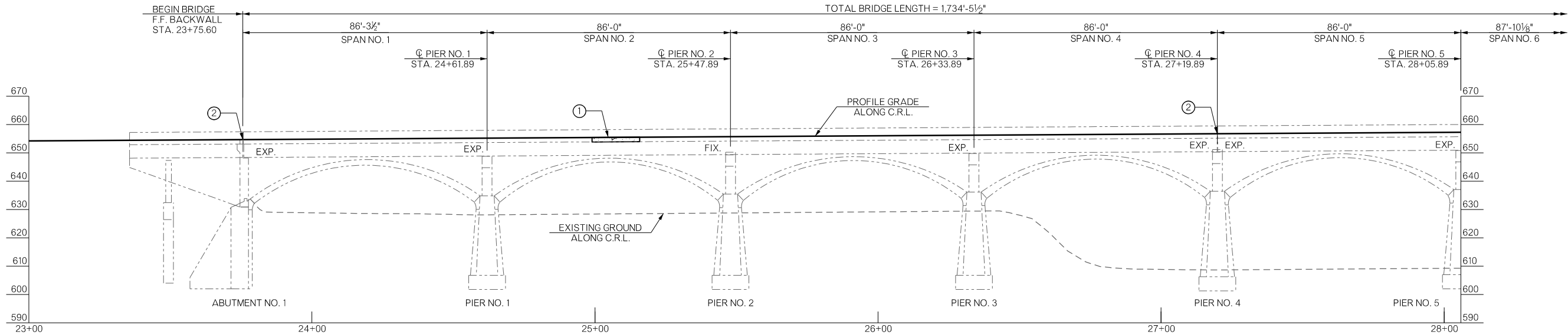
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ALL INFORMATION INCLUDED IN THESE PLANS IS BASED ON THE EXISTING AS-BUILT PLANS. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO ACCURATELY VERIFY THIS INFORMATION PRIOR TO ANY DEMOLITION OR CONSTRUCTION. FOR ADDITIONAL INFORMATION, SEE GENERAL NOTE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

0 20 40 60  
SCALE 1" = 20'



PLAN



ELEVATION

INDEX OF SHEETS

SHEET NO.	TITLE
19-24	BRIDGE 258 - GENERAL PLAN AND ELEVATION
25-27	BRIDGE 258 - SEQUENCE OF CONSTRUCTION
28	BRIDGE 258 - TYPICAL SECTION
29-31	BRIDGE 258 - BRIDGE DECK REPAIR

- CLASS B DECK REPAIR. SEE "BRIDGE DECK REPAIR" SHEETS FOR MORE INFORMATION.
- DECK AND 10'-0" SIDEWALK ONLY: REPLACE ELASTOMERIC MORTAR AND RESEAL JOINT. 2'-6" SIDEWALK AND PARAPET ONLY: CLEAN AND RESEAL JOINT.
- CLEAN AND RESEAL 1/4" TRANSVERSE JOINTS IN THE SIDEWALK.



BRIDGE 258 - GENERAL PLAN AND ELEVATION  
(SHEET 1 OF 6)

CITYWIDE BRIDGE REHABILITATION  
PROJECT NO. TD-2020-B1  
100 W. 21st. ST. OVER ARKANSAS RIVER

CITY OF TULSA, OKLAHOMA  
ENGINEERING SERVICES DEPARTMENT



PLANS AND ESTIMATES PREPARED BY:  
6450 SOUTH LEWIS SUITE 300 Phone: (918) 250-8922  
TULSA, OKLAHOMA 74136 Fax: (918) 658-0107

DRAWN	SJL	3/21
DESIGNED	JMH	3/21
SURVEY		
PROJ. MGR.		
LEAD MGR.		
FIELD MGR.		
RECOMMENDED:		

APPROVED:

DESIGN MANAGER

CITY ENGINEER

DATE:

ADVERTISE DATE:

REVISION

BY

DATE

FILE:

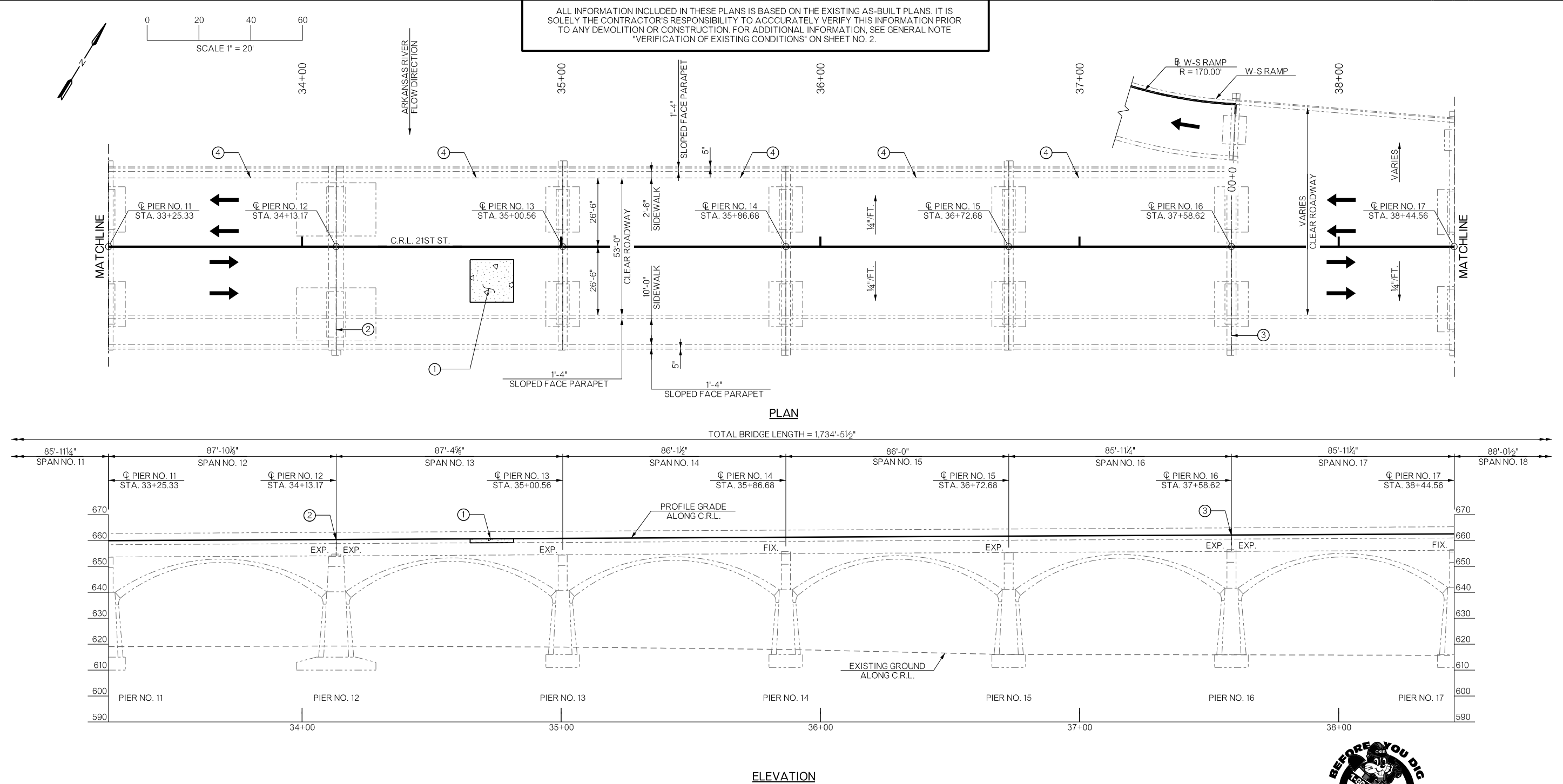
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ATLAS PAGE NO.

SHEET 19 OF 39 SHEETS



ADVERTISE DATE:			VERTICAL:		
REVISION	BY	DATE	1"=5'	DESIGN MANAGER	CITY ENGINEER
			FILE:	DRAWING:	DATE:
			ATLAS PAGE NO.		SHEET 20 OF 39 SHEETS



- ① CLASS B DECK REPAIR. SEE "BRIDGE DECK REPAIR" SHEETS FOR MORE INFORMATION.
- ② DECK AND 10'-0" SIDEWALK ONLY: REPLACE ELASTOMERIC MORTAR AND RESEAL JOINT.  
2'-6" SIDEWALK AND PARAPET ONLY: CLEAN AND RESEAL JOINT.
- ③ DECK AND SIDEWALK: CLEAN AND RESEAL JOINT.
- ④ CLEAN AND RESEAL 1/4" TRANSVERSE JOINTS IN THE SIDEWALK.



BRIDGE 258 - GENERAL PLAN AND ELEVATION  
(SHEET 3 OF 6)

CITYWIDE BRIDGE REHABILITATION  
PROJECT NO. TD-2020-B1  
100 W. 21st. ST. OVER ARKANSAS RIVER

PLANS AND ESTIMATES PREPARED BY:  
6450 SOUTH LEWIS SUITE 300 Phone: (918) 250-5922  
TULSA, OKLAHOMA 74136 Fax: (918) 858-0107

DRAWN	SJL	3/21
DESIGNED	JMH	3/21
SURVEY		
PROJ. MGR.		
LEAD MGR.		
FIELD MGR.		
RECOMMENDED:		

APPROVED:



PLAN SCALE  
1" = 20'  
PROFILE SCALE  
HORIZONTAL:  
1"=20'

DESIGN MANAGER

CITY ENGINEER

FILE:	DRAWING:	DATE:
ATLAS PAGE NO.	SHEET 21 OF 39 SHEETS	

ADVERTISE DATE:		
REVISION	BY	DAT

VERTICAL: 1"=5'	DESIGN MANAGER
--------------------	----------------

CITY ENGINEER

FILE:	DRAWING:	DATE:
ATLAS PAGE NO.	SHEET 21 OF 39 SHEETS	



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FILE:	DRAWING:	DATE:
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ADVERTISE DATE:			1"=20'		
REVISION			VERTICAL: 1"=5'	DESIGN MANAGER	CITY ENGINEER
BY	DATE		FILE:	DRAWING:	DATE:
			ATLAS PAGE NO.		SHEET 22 OF 39 SHEETS



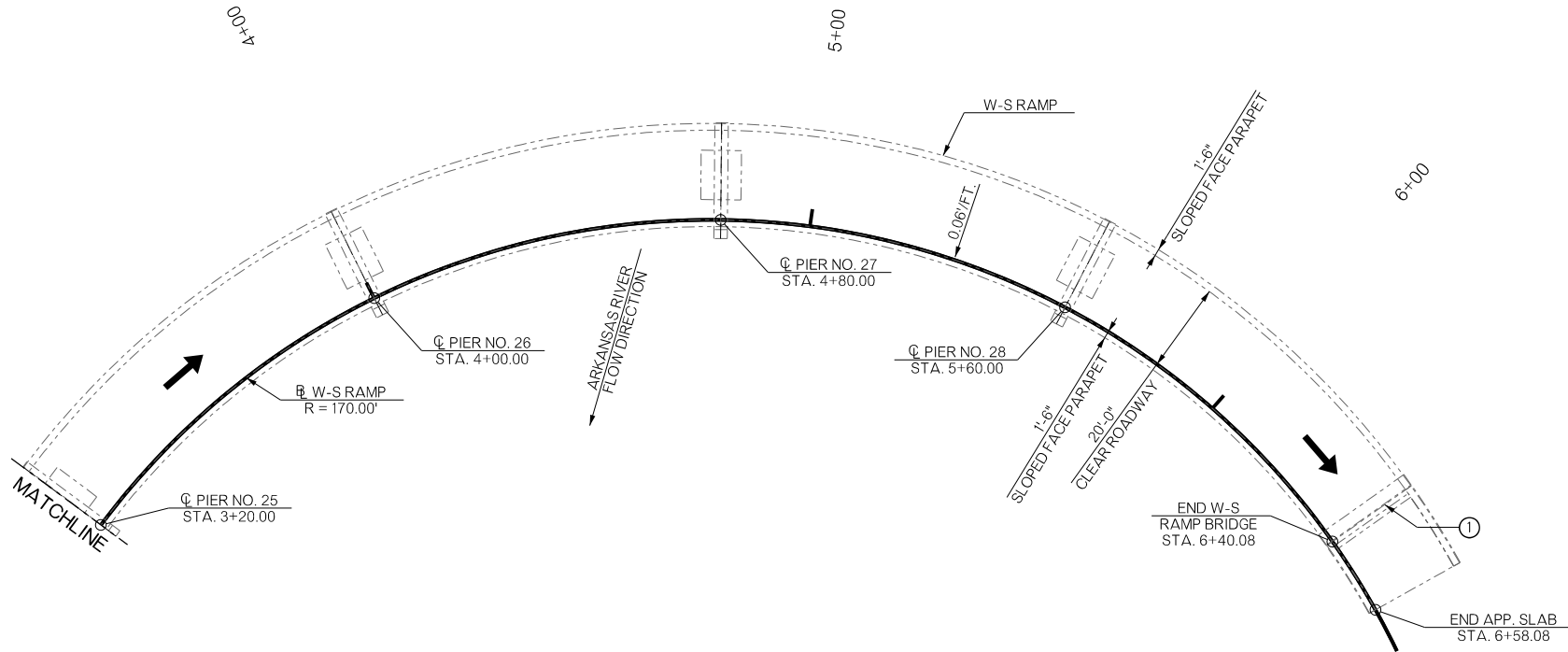
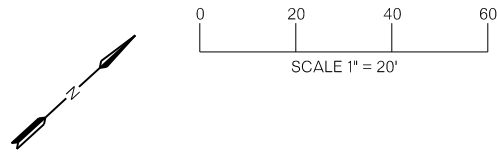


ADVERTISE DATE:			1"=20'		
REVISION	BY	DATE	VERTICAL: 1"=5'	DESIGN MANAGER	CITY ENGINEER
			FILE:	DRAWING:	DATE:
			ATLAS PAGE NO.		SHEET 23 OF 39 SHEETS

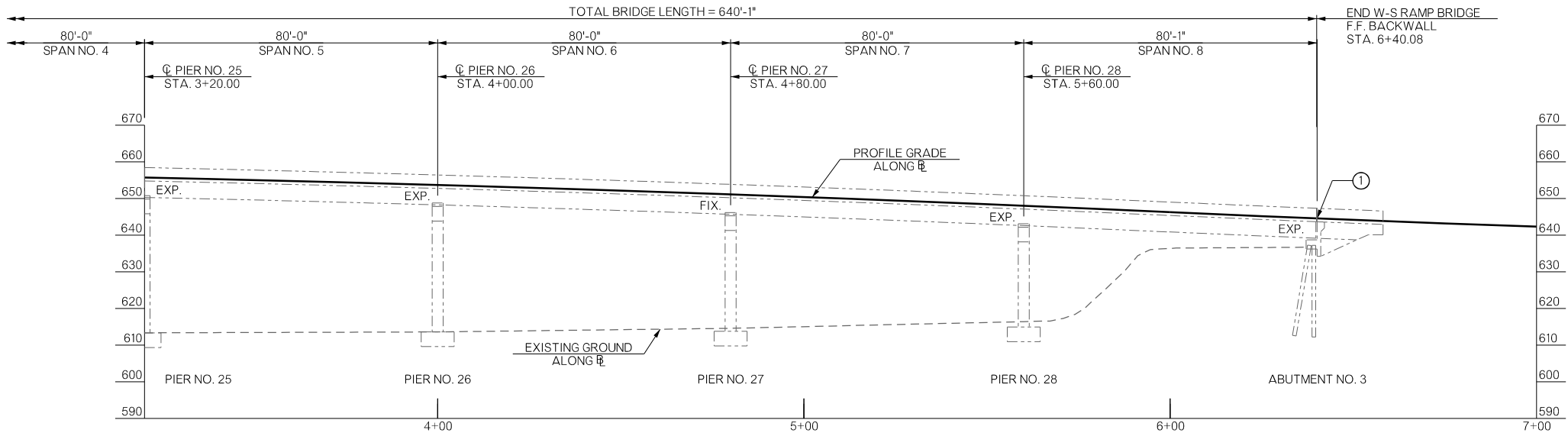
SJLeach 1/17/2022 8:45:55 AM  
WORKSPACE:Odor, 2017  
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S:\Leach WORKSPACE\0401 - 2017\g:\projects\local\gdata\Projects\2020\TD-2020-B1-258 - COT 1072 Bridge Rehabilitation\Drawings\BRIDGE\Bridge #258\DOT\_TD-2020-B1-258\_GENERAL PLAN AND ELEVATION 6.dgn 1/17/2022 8:45:55 AM

ALL 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

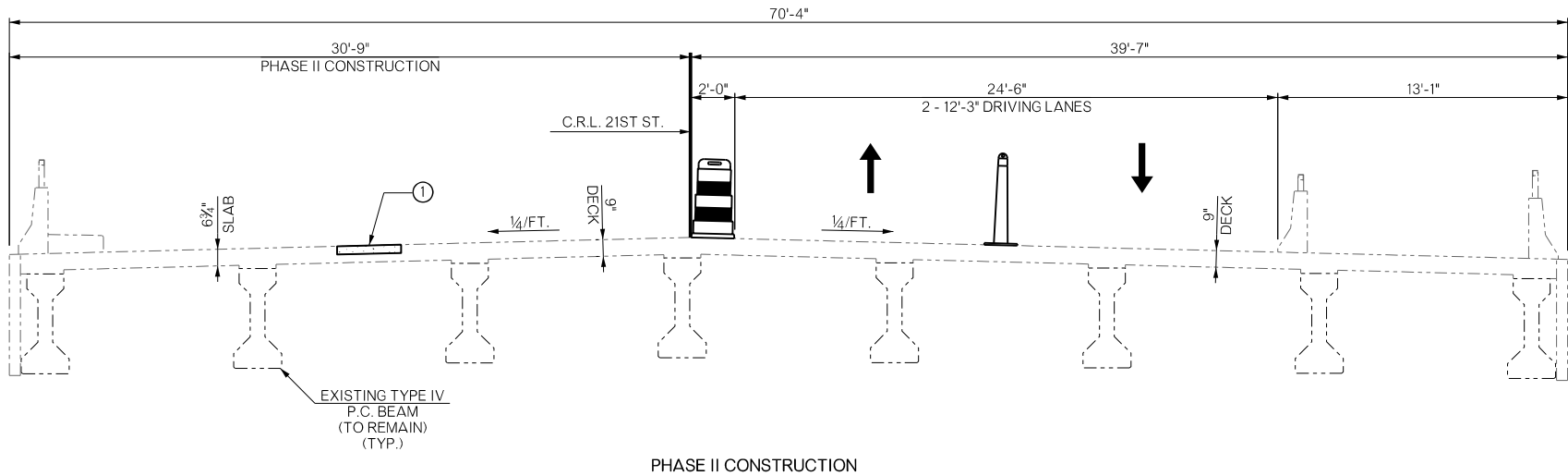
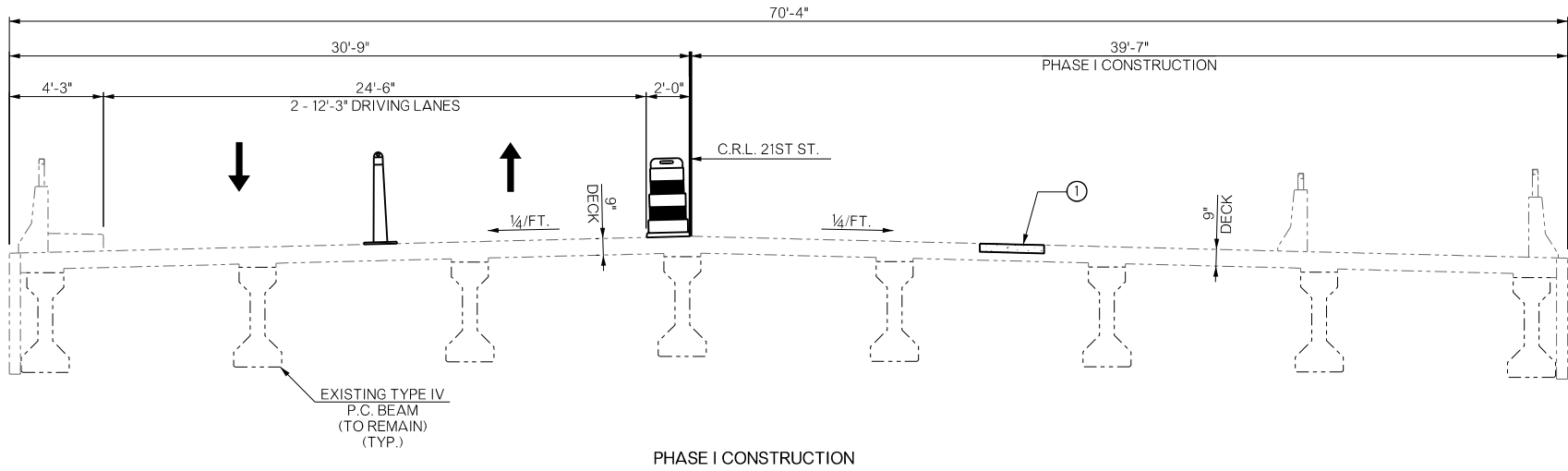
① CLEAN AND RESEAL JOINT.



BRIDGE 258 - GENERAL PLAN AND ELEVATION (SHEET 6 OF 6)			
CITYWIDE BRIDGE REHABILITATION PROJECT NO. TD-2020-B1 100 W. 21st. ST. OVER ARKANSAS RIVER CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT			
	PLANS AND ESTIMATES PREPARED BY:		
	6450 SOUTH LEWIS SUITE 300		Phone: (918) 250-5922
	TULSA, OKLAHOMA 74136		Fax: (918) 858-0107
	APPROVED:		
	DRAWN	SJL	3/21
	DESIGNED	JMH	3/21
	SURVEY		
	PROJ. MGR.		
	LEAD MGR.		
	FIELD MGR.		
PLAN SCALE 1" = 20'	RECOMMENDED:		
PROFILE SCALE HORIZONTAL: 1" = 20'			
VERTICAL: 1" = 5'			
	DESIGN MANAGER	CITY ENGINEER	
FILE:	DRAWING:	DATE:	
ATLAS PAGE NO.		SHEET 24 OF 39 SHEETS	

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ALL 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 CONSTRUCTION - SPAN NOS. 1 - 16


① CLASS B BRIDGE DECK REPAIR AS SHOWN IN THE PLANS.

LEGEND

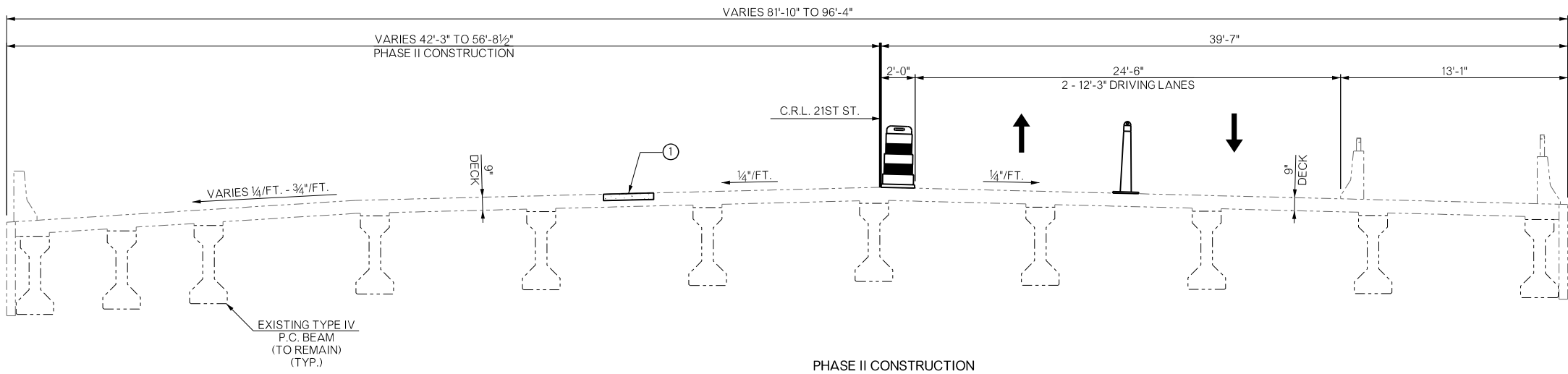
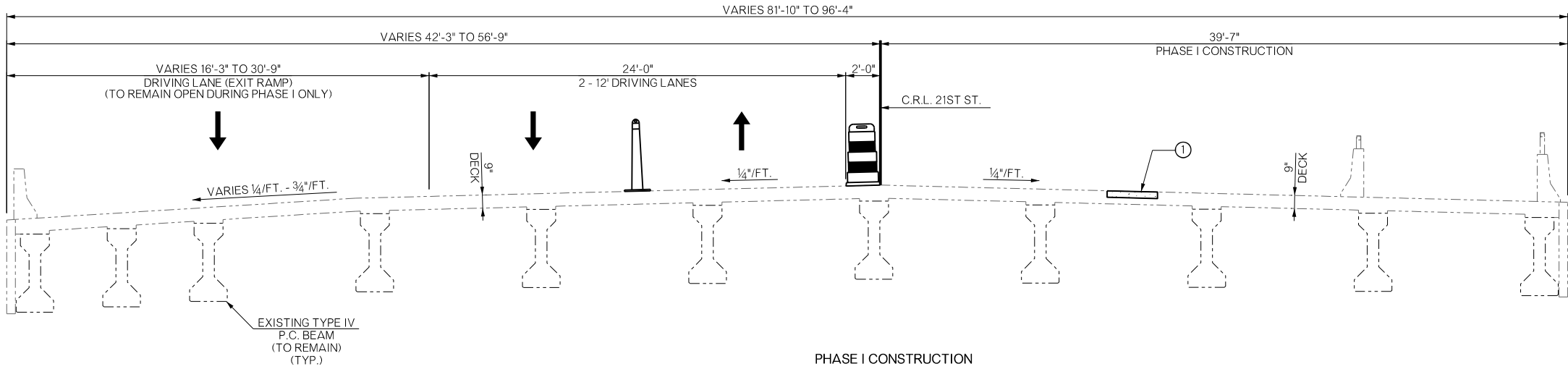
- EXISTING STRUCTURE
- BRIDGE DECK REPAIR AREA
- CHANNELIZER CONE
- TRAFFIC DRUM

NOTE:  
SEE ODOT TRAFFIC CONTROL STD. TCS6-1-02  
FOR CHANNELIZER CONE AND DRUM.



BRIDGE 258 - SEQUENCE OF CONSTRUCTION (SHEET 1 OF 3)			
CITYWIDE BRIDGE REHABILITATION PROJECT NO. TD-2020-B1 100 W. 21st. ST. OVER ARKANSAS RIVER			
CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT			
	PLANS AND ESTIMATES PREPARED BY:		
	6450 SOUTH LEWIS SUITE 300		Phone: (918) 250-5922
	TULSA, OKLAHOMA 74136		Fax: (918) 858-0107
	APPROVED:		
	DRAWN	SJL	3/21
	DESIGNED	JMH	3/21
	SURVEY		
PLAN SCALE 1" = 20'	PROJ. MGR.		
	LEAD MGR.		
	FIELD MGR.		
	RECOMMENDED:		
PROFILE SCALE HORIZONTAL: 1"=20'			
VERTICAL: 1"=5'			
DESIGN MANAGER		CITY ENGINEER	
FILE:	DRAWING:		DATE:
ATLAS PAGE NO.		SHEET 25 OF 39 SHEETS	

ALL 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 CONSTRUCTION - SPAN NOS. 17 & 18

LEGEND

----- EXISTING STRUCTURE

 BRIDGE DECK REPAIR AREA


 CHANNELIZER CONE

 TRAFFIC DRUM

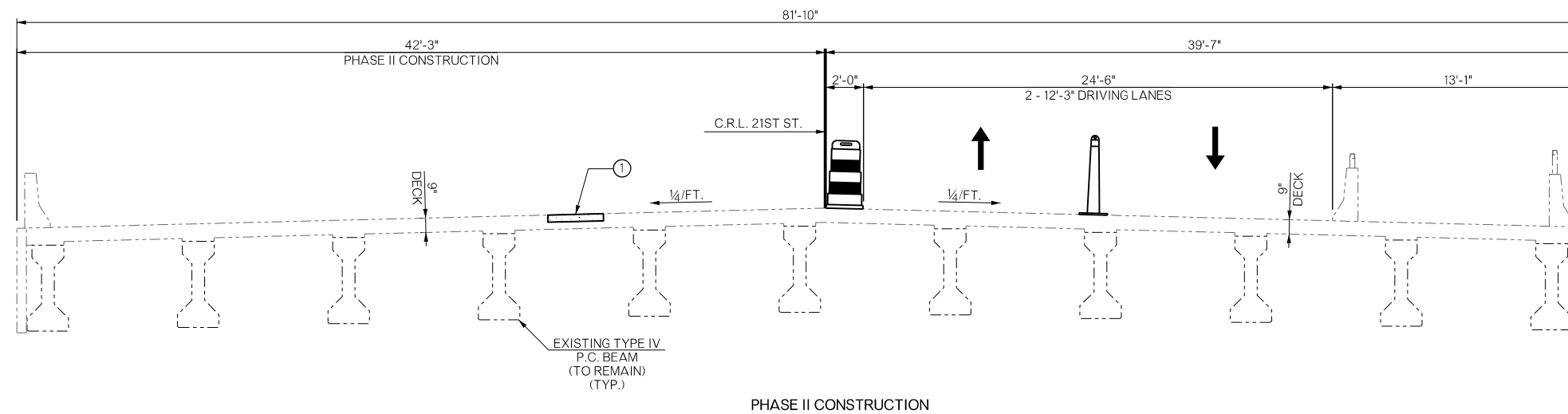
NOTE:  
SEE ODOT TRAFFIC CONTROL STD. TCS6-1-02  
FOR CHANNELIZER CONE AND DRUM.

① CLASS B BRIDGE DECK REPAIR AS  
SHOWN IN THE PLANS.



BRIDGE 258 - SEQUENCE OF CONSTRUCTION (SHEET 2 OF 3)			
CITYWIDE BRIDGE REHABILITATION PROJECT NO. TD-2020-B1 100 W. 21st. ST. OVER ARKANSAS RIVER			
CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT			
	PLANS AND ESTIMATES PREPARED BY:		
	6450 SOUTH LEWIS SUITE 300		Phone: (918) 250-5922
	TULSA, OKLAHOMA 74136		Fax: (918) 858-0107
	DRAWN	SJL	3/21
	DESIGNED	JMH	3/21
	SURVEY		
	PROJ. MGR.		
PLAN SCALE 1" = 20'	LEAD MGR.		APPROVED:
	FIELD MGR.		
	RECOMMENDED:		
	DESIGN MANAGER		
PROFILE SCALE HORIZONTAL: 1"=20'			CITY ENGINEER
VERTICAL: 1"=5'			
FILE:	DRAWING:		DATE:
ATLAS PAGE NO.		SHEET 26 OF 39 SHEETS	

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\\garvinci.local\gsd\gsd\Projects\2020\20T03090 - COT 10T7 Bridge Rehabilitation\Drawings\BRIDGE\Bldge #258\COT\_TD-2020-4-258\_SEQUENCE OF CONSTRUCTION 3.dgn



SEQUENCE OF CONSTRUCTION - SPAN NOS. 19 - 21



**NOTE:**  
SEE ODOT TRAFFIC CONTROL STD. TCS6-1-02  
FOR CHANNELIZER CONE AND DRUM.




CITY ENGINEER

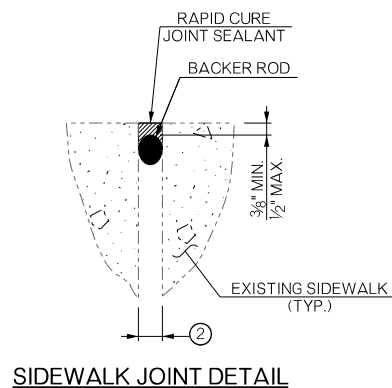
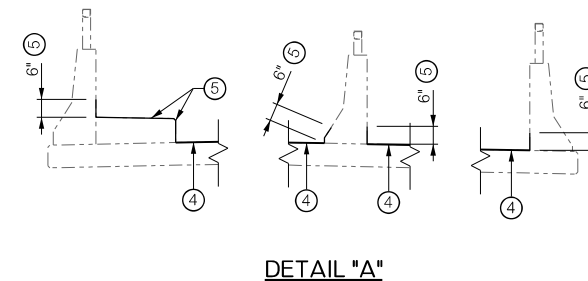
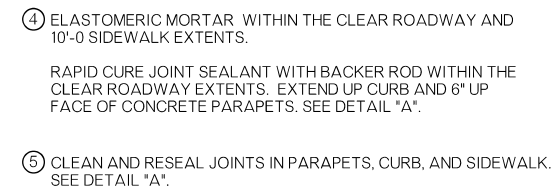
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VERTICAL: 1"=5'	DESIGN MANAGER	CITY ENGINEER
FILE:	DRAWING:	DATE:
ATLAS PAGE NO.	SHEET 27 OF 39 SHEETS	

WORKSPACE: Oct. 2017  
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Quantec\local\data\Projects\2020\201703050 - COT IOT2 Bridge Rehabilitation\Drawings\BRIDGE\Bridg #258\TYPICAL SECTION.dgn

--- EXISTING STRUCTURE

 BRIDGE DECK REPAIR AREA

① CLASS B BRIDGE DECK REPAIR AREA SHOWN IN THE PLANS.



- ② WIDTH OF JOINT OPENING TO MATCH EXISTING JOINT WIDTH, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
- ③ WHEN BROKEN OR SPALLED EXISTING CONCRETE OR ELASTOMERIC MORTAR IS GREATER THAN 6" SHOWN, CHIP TO SOUND CONCRETE AND SAWCUT SQUARES/RECTANGLE AROUND DAMAGED AREA. REPAIR WITH CLASS B BRIDGE DECK REPAIR.



BRIDGE 258 - TYPICAL SECTION


CITYWIDE BRIDGE REHABILITATION

PROJECT NO. TD-2020-B1

100 W. 21st. ST. OVER ARKANSAS RIVER

CITY OF TULSA, OKLAHOMA

ENGINEERING SERVICES DEPARTMENT



**PLANS AND ESTIMATES PREPARED BY:**

6450 SOUTH LEWIS SUITE 300      Phone: (918) 250-5922

TULSA, OKLAHOMA 74136      Fax: (918) 858-0107

**PLAN SCALE**  
1" = 20'

**PROFILE SCALE**  
**HORIZONTAL:**  
1" = 20'

**VERTICAL:**  
1" = 5'

<b>DRAWN</b>	<b>SUL</b>	<b>321</b>
<b>DESIGNED</b>	<b>JMH</b>	<b>321</b>
<b>SURVEY</b>		
<b>PROJ. MGR.</b>		
<b>LEAD MGR.</b>		
<b>FIELD MGR.</b>		
<b>RECOMMENDED:</b>		

**APPROVED:**

**DESIGN MANAGER**

**CITY ENGINEER**

**FILE:**

**ATLAS PAGE NO.**

**DRAWING:**

**DATE:**

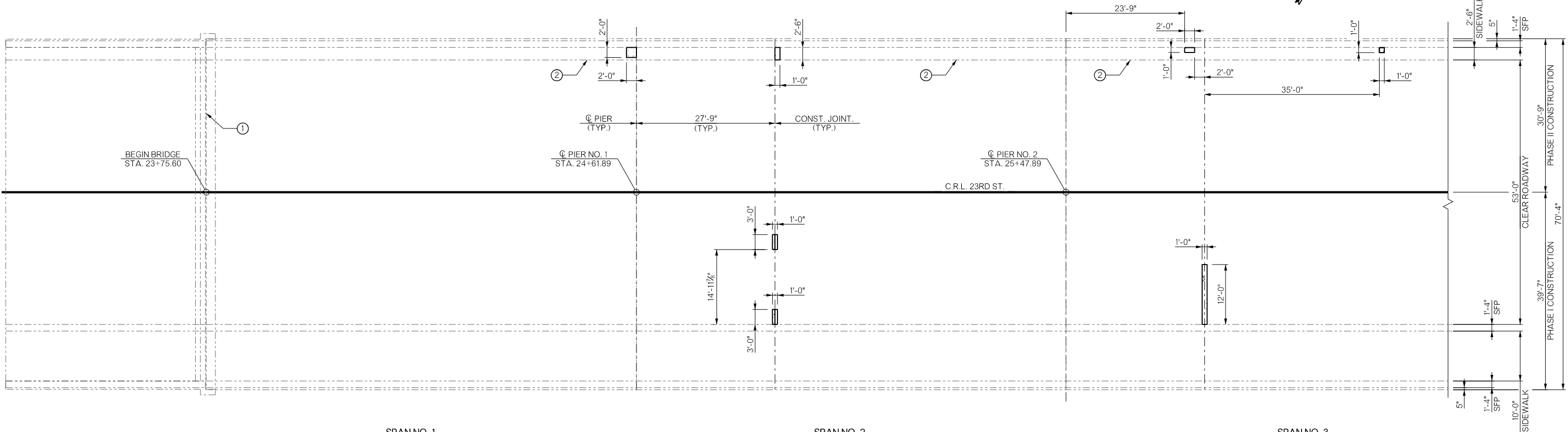
**SHEET 28 OF 39 SHEETS**

ADVERTISE DATE:			VERTICAL:		
REVISION	BY	DATE	1"=5'	DESIGN MANAGER	CITY ENGINEER
			FILE:	DRAWING:	DATE:
			ATLAS PAGE NO.	SHEET 28 OF 39 SHEETS	

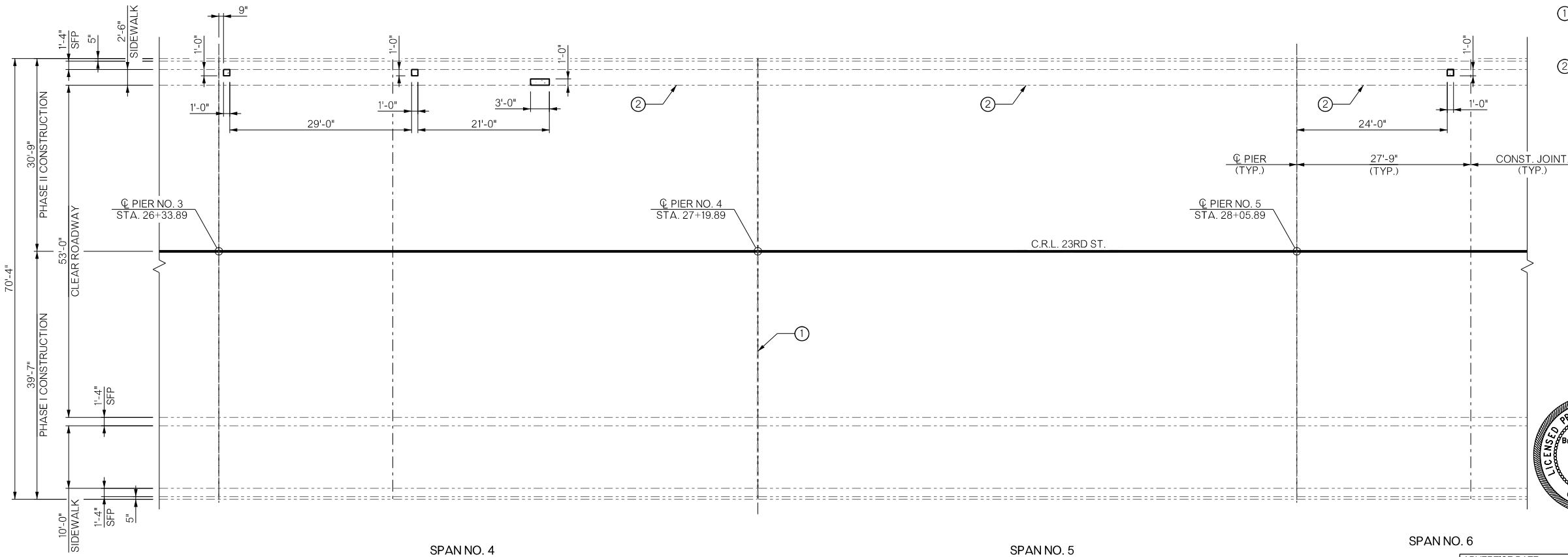


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1/17/2022 8:46:30 AM

ALL 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.



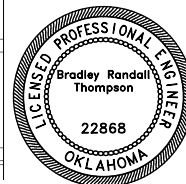
BRIDGE DECK REPAIR PLAN



- ① ABUTMENT NOS. 1 & 2 AND PIER NOS. 4, 8, 12, & 18:  
DECK AND 10'-0" SIDEWALK ONLY: REPLACE ELASTOMERIC MORTAR  
AND RESEAL JOINT.  
2'-6" SIDEWALK SIDEWALK ONLY: CLEAN AND RESEAL JOINT.
- ② CLEAN AND RESEAL JOINTS IN THE SIDEWALK AND PARAPET.

LEGEND

- EXISTING STRUCTURE
- CLASS B BRIDGE  
DECK REPAIR




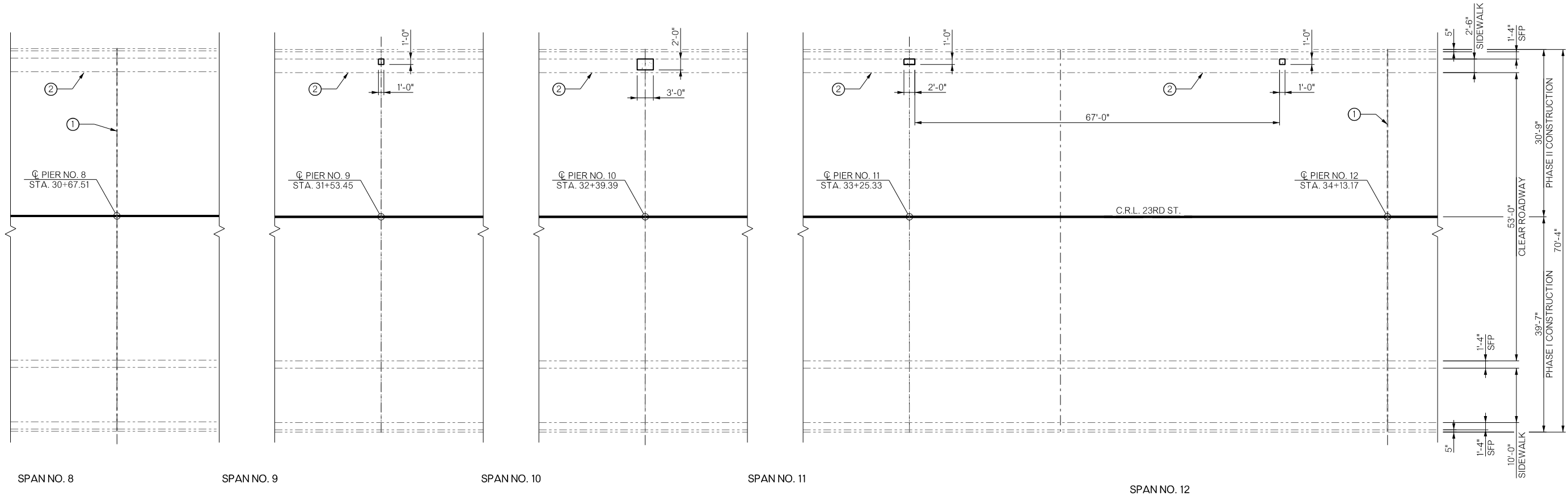
BRIDGE 258 - BRIDGE DECK REPAIR (SHEET 1 OF 3)	
CITYWIDE BRIDGE REHABILITATION PROJECT NO. TD-2020-B1 100 W. 21st. ST. OVER ARKANSAS RIVER CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT	
PLANS AND ESTIMATES PREPARED BY: 6450 SOUTH LEWIS SUITE 300 Phone: (918) 250-8922 TULSA, OKLAHOMA 74136 Fax: (918) 658-0107	
APPROVED:	
DRAWN SJL 3/21	DESIGNED JMH 3/21
SURVEY	PROJ. MGR.
LEAD MGR.	FIELD MGR.
RECOMMENDED:	
DESIGN MANAGER	CITY ENGINEER
DATE:	DATE:
FILE:	DRAWING:
ATLAS PAGE NO.	SHEET 29 OF 39 SHEETS

ADVERTISE DATE:		
REVISION	BY	DATE

ALL 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.

LEGEND


- EXISTING STRUCTURE
-  CLASS B BRIDGE DECK REPAIR



BRIDGE DECK REPAIR PLAN

- ① ABUTMENT NOS. 1 & 2 AND PIER NOS. 4, 8, 12, & 18;  
DECK AND 10'-0" SIDEWALK ONLY: REPLACE ELASTOMERIC MORTAR  
AND RESEAL JOINT.  
2'-6" SIDEWALK ONLY: CLEAN AND RESEAL JOINT.
- ② CLEAN AND RESEAL JOINTS IN THE SIDEWALK AND PARAPET.




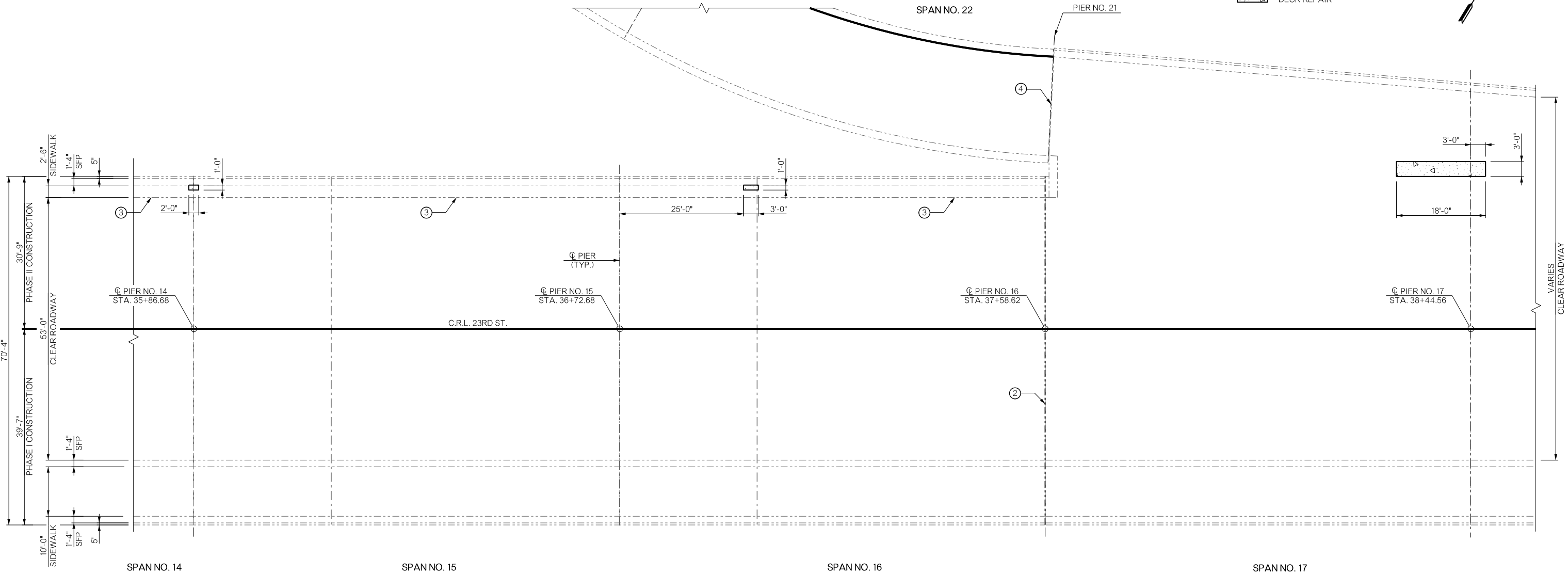
BRIDGE 258 - BRIDGE DECK REPAIR (SHEET 2 OF 3)			
CITYWIDE BRIDGE REHABILITATION PROJECT NO. TD-2020-B1 100 W. 21st. ST. OVER ARKANSAS RIVER CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY: 6450 SOUTH LEWIS SUITE 300 Phone: (918) 250-8922 TULSA, OKLAHOMA 74136 Fax: (918) 658-0107			
	DRAWN	SJL	3/21
	DESIGNED	JMH	3/21
	SURVEY		
	PROJ. MGR.		
	LEAD MGR.		
	FIELD MGR.		
PLAN SCALE 1" = 20'	APPROVED:		
PROFILE SCALE HORIZONTAL: 1" = 20'			
VERTICAL: 1" = 5'	DESIGN MANAGER	CITY ENGINEER	
FILE:	DRAWING:	DATE:	
ATLAS PAGE NO.	SHEET 30 OF 39 SHEETS		

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ALL 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.

LEGEND


- EXISTING STRUCTURE
-  CLASS B BRIDGE DECK REPAIR



BRIDGE DECK REPAIR PLAN

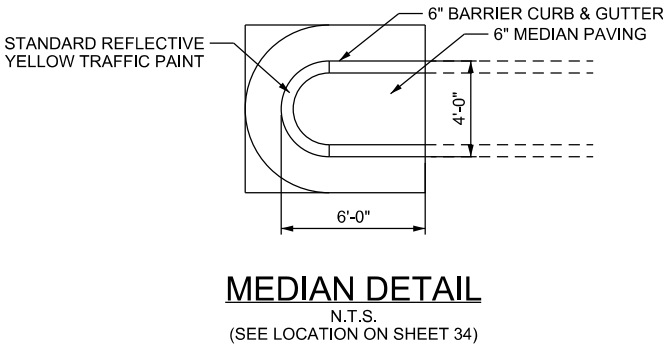
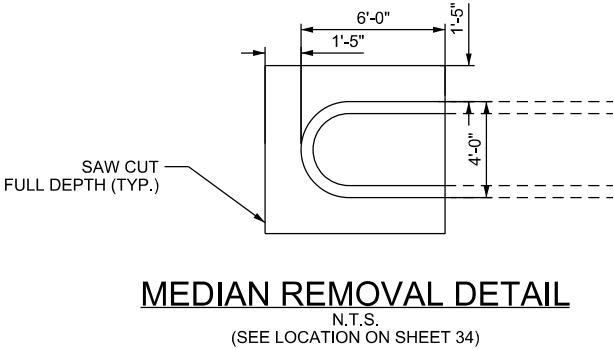
- ① ABUTMENT NOS. 1 & 2 AND PIER NOS. 4, 8, 12, & 18: DECK AND 10'-0" SIDEWALK ONLY: REPLACE ELASTOMERIC MORTAR AND RESEAL JOINT.  
2'-6" SIDEWALK ONLY: CLEAN AND RESEAL JOINT.
- ② PIER NO. 16:  
CLEAN AND RESEAL JOINT IN DECK AND SIDEWALK.
- ③ CLEAN AND RESEAL JOINTS IN THE SIDEWALK AND PARAPET.
- ④ RAMP PIER NO. 21: CLEAN AND RESEAL JOINT IN DECK.



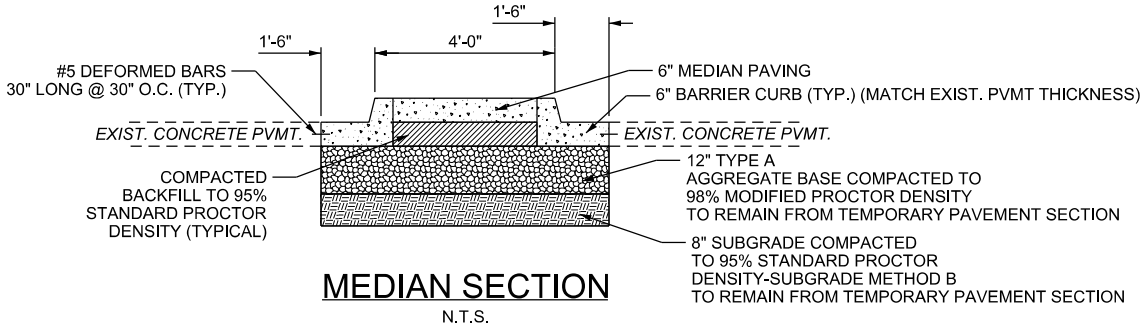
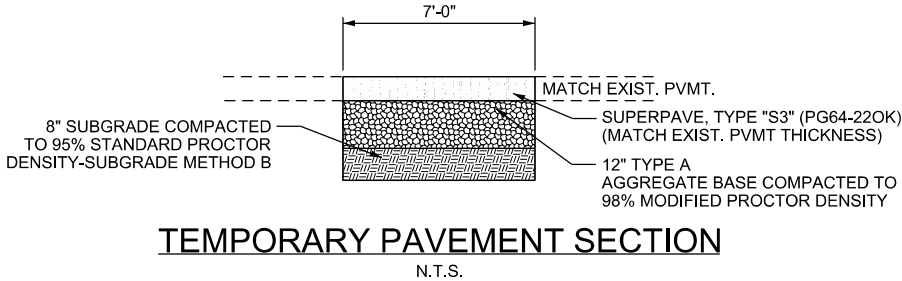
BRIDGE 258 - BRIDGE DECK REPAIR (SHEET 3 OF 3)			
CITYWIDE BRIDGE REHABILITATION PROJECT NO. TD-2020-B1 100 W. 21st. ST. OVER ARKANSAS RIVER CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY: 6450 SOUTH LEWIS SUITE 300 Phone: (918) 250-8922 TULSA, OKLAHOMA 74136 Fax: (918) 658-0107			
	DRAWN	SJL	3/21
	DESIGNED	JMH	3/21
	SURVEY		
	PROJ. MGR.		
	LEAD MGR.		
PLAN SCALE 1" = 20' PROFILE SCALE HORIZONTAL: 1" = 20' VERTICAL: 1" = 5'	RECOMMENDED:		APPROVED:
	DESIGN MANAGER		CITY ENGINEER
FILE:		DRAWING:	DATE:
ATLAS PAGE NO.		SHEET 31 OF 39 SHEETS	

ADVERTISE DATE:		
REVISION	BY	DATE


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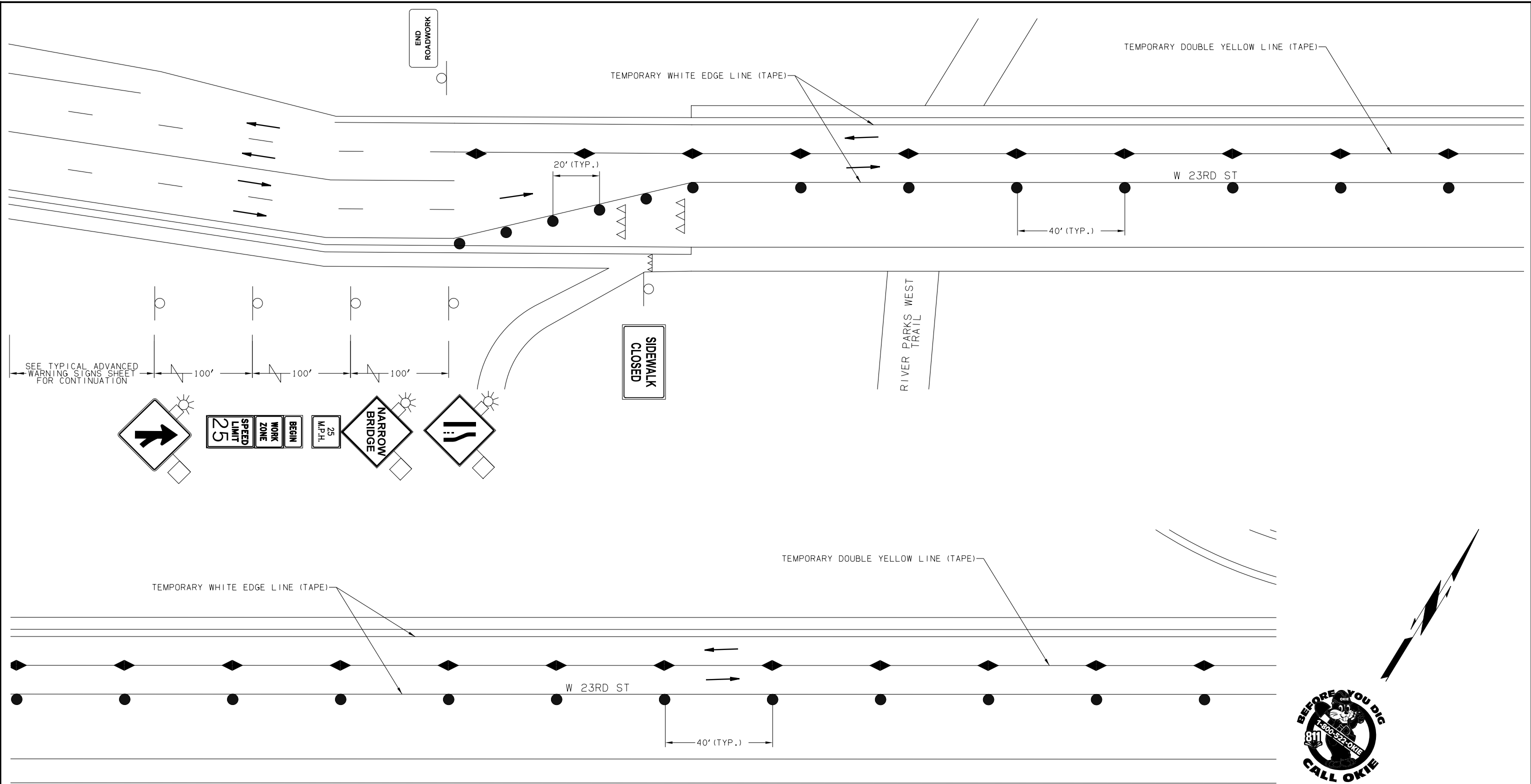
NOTE: REMOVAL OF THE EXISTING MEDIAN, INSTALLATION OF THE TEMPORARY PAVING SECTION, AND RECONSTRUCTION OF THE MEDIAN SHALL BE PAID FOR BY SQUARE YARD OF 'MEDIAN REMOVAL AND REPLACEMENT'. PRICE BID SHALL INCLUDE ALL COSTS, LABOR, AND INCIDENTALS INCLUDING BUT NOT LIMITED TO THE FOLLOWING: SAW CUTTING, CURB REMOVAL, PAVEMENT REMOVAL, UNCLASSIFIED EXCAVATION, SUBGRADE METHOD B, AGGREGATE BASE TYPE A, ASPHALT PAVING, REMOVAL OF ASPHALT PAVING, CURB AND GUTTER, BACKFILL, AND MEDIAN PAVING. NO ADDITIONAL PAYMENT SHALL BE MADE. SEE TRAFFIC CONTROL PLANS FOR LOCATION OF MEDIAN REMOVAL.



ADVERTISE DATE:					
REVISION	BY	DATE			
FILE:			DRAWING:		
ATLAS PAGE NO.			SHEET 32 OF 39 SHEETS		

BRIDGE 258 - ROADWAY DETAILS					
CITYWIDE BRIDGE REHABILITATION					
PROJECT NO. TD-2020-B1					
100 W. 21st. ST. OVER ARKANSAS RIVER					
CITY OF TULSA, OKLAHOMA					
ENGINEERING SERVICES DEPARTMENT					
PLANS AND ESTIMATES PREPARED BY:					
	6450 SOUTH LEWIS SUITE 300			Phone: (918) 250-5922	
	TULSA, OKLAHOMA 74136			Fax: (918) 658-0107	
	DRAWN	MAM	05/21	APPROVED:	
	DESIGNED	ACF	05/21		
	SURVEY				
PROJ. MGR.					
PLAN SCALE	LEAD MGR.			RECOMMENDED:	
N/A	FIELD MGR.				
PROFILE SCALE					
HORIZONTAL:					
N/A					
VERTICAL:	DESIGN MANAGER			CITY ENGINEER	
N/A					
FILE:	DRAWING:			DATE:	
ATLAS PAGE NO.				SHEET 32 OF 39 SHEETS	

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\$\$\$WORKSPACE\$\$\$  
\$\$\$FILES\$\$\$



- NOTES:
1. CONSTRUCTION SIGNS SHALL BE VISIBLE ONLY WHEN ACTIVITIES WARRANT. TO BE COVERED OR REMOVED WHEN NOT IN USE.
  2. EXISTING SIGNS THAT WOULD INTERFERE WITH CONSTRUCTION ZONE SIGNING SHALL BE REMOVED OR COVERED.
  3. (1) W1-8 SHALL BE PLACED ON EVERY OTHER DRUM THRU LANE TAPERS.
  4. GUIDELINES FROM THE 2009 MUTCD SHALL GOVERN.

- LEGEND
- DRUM
  - ◆ TUBE CHANNELIZER
  - TRAFFIC CONTROL SIGN ASSEMBLY
  - ▽▽▽ TYPE III BARRICADE
  - ⇄ TRAFFIC DIRECTION

KeyStone

ADVERTISE DATE: \_\_\_\_\_

REVISION	BY	DATE


DESIGN MANAGER: \_\_\_\_\_

CITY ENGINEER: \_\_\_\_\_

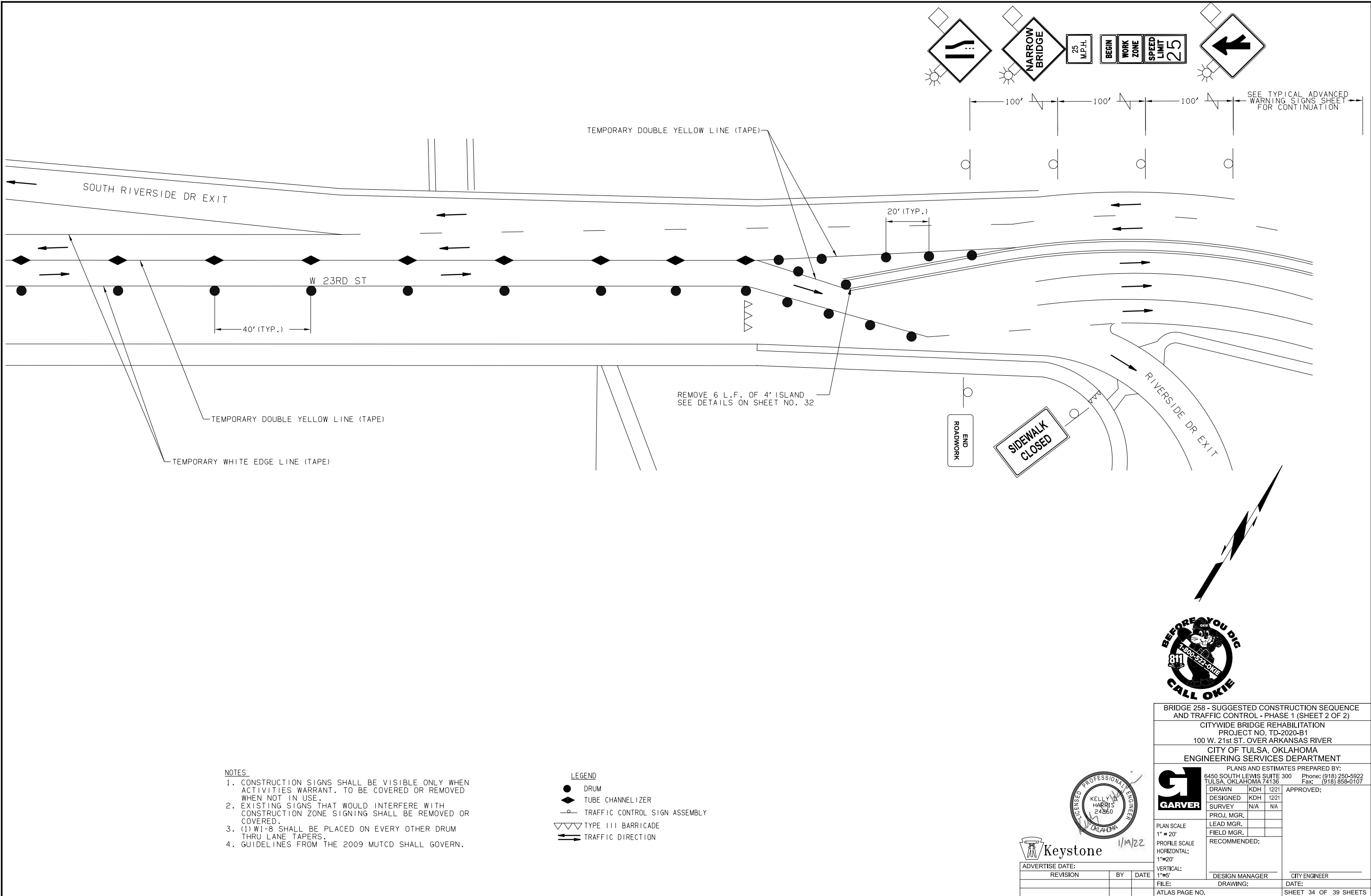
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ATLAS PAGE NO. \_\_\_\_\_



BRIDGE 258 - SUGGESTED CONSTRUCTION SEQUENCE AND TRAFFIC CONTROL - PHASE 1 (SHEET 1 OF 2)			
CITYWIDE BRIDGE REHABILITATION			
PROJECT NO. TD-2020-B1			
100 W. 21st ST. OVER ARKANSAS RIVER			
CITY OF TULSA, OKLAHOMA			
ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:			
6450 SOUTH LEWIS SUITE 300		Phone: (918) 250-8922	
TULSA, OKLAHOMA 74138		Fax: (918) 658-0107	
	DRAWN	KDH	12/21
	DESIGNED	KDH	12/21
	SURVEY	N/A	N/A
	PROJ. MGR.		
	LEAD MGR.		
APPROVED:			
RECOMMENDED:			
DESIGN MANAGER		CITY ENGINEER	
FILE:		DRAWING:	
ATLAS PAGE NO.		DATE:	
		SHEET 33 OF 39 SHEETS	

SS:USERS\$  
WORKSPACE:SS:WORKSPACE\$  
SS:FILES\$



- NOTES
1. CONSTRUCTION SIGNS SHALL BE VISIBLE ONLY WHEN ACTIVITIES WARRANT. TO BE COVERED OR REMOVED WHEN NOT IN USE.
  2. EXISTING SIGNS THAT WOULD INTERFERE WITH CONSTRUCTION ZONE SIGNING SHALL BE REMOVED OR COVERED.
  3. (1) W1-8 SHALL BE PLACED ON EVERY OTHER DRUM THRU LANE TAPERS.
  4. GUIDELINES FROM THE 2009 MUTCD SHALL GOVERN.

- LEGEND
- DRUM
  - ◆ TUBE CHANNELIZER
  - TRAFFIC CONTROL SIGN ASSEMBLY
  - ▽▽▽ TYPE III BARRICADE
  - ⇄ TRAFFIC DIRECTION

KeyStone  
1/19/22

ADVERTISE DATE:		BY	DATE
REVISION			

FILE:	DRAWING:	DATE:
ATLAS PAGE NO.		

BRIDGE 258 - SUGGESTED CONSTRUCTION SEQUENCE AND TRAFFIC CONTROL - PHASE 1 (SHEET 2 OF 2)

CITYWIDE BRIDGE REHABILITATION  
PROJECT NO. TD-2020-B1  
100 W. 21st ST. OVER ARKANSAS RIVER  
CITY OF TULSA, OKLAHOMA  
ENGINEERING SERVICES DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:  
6450 SOUTH LEWIS SUITE 300 Phone: (918) 250-8922  
TULSA, OKLAHOMA 74136 Fax: (918) 658-0107

DRAWN	KDH	12/21
DESIGNED	KDH	12/21
SURVEY	N/A	N/A
PROJ. MGR.		
LEAD MGR.		
FIELD MGR.		
RECOMMENDED:		
DESIGN MANAGER		
CITY ENGINEER		

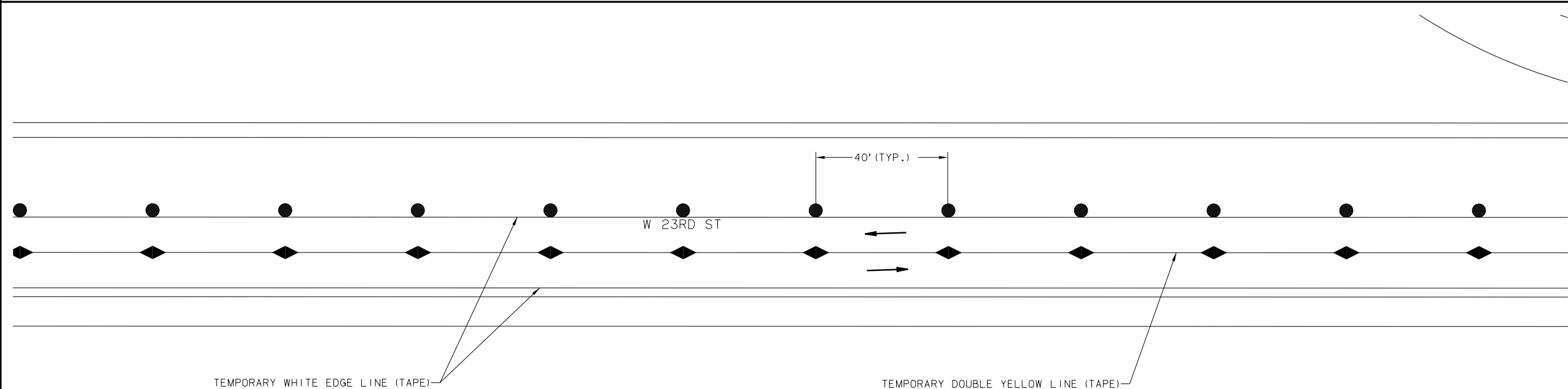
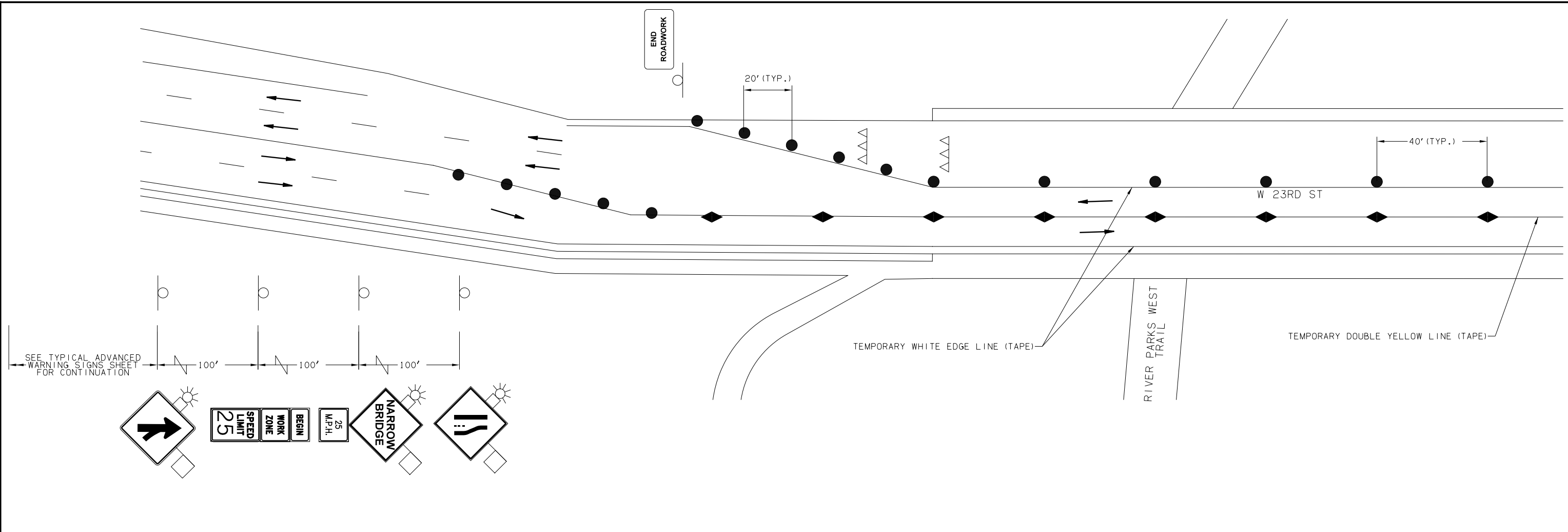
PLAN SCALE  
1" = 20'  
PROFILE SCALE  
HORIZONTAL:  
1" = 20'  
VERTICAL:  
1" = 5'

APPROVED:

SHEET 34 OF 39 SHEETS

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\$\$\$FILE\$\$\$

\$\$\$DATE\$\$\$  
\$\$\$TIME\$\$\$



NOTES

1. CONSTRUCTION SIGNS SHALL BE VISIBLE ONLY WHEN ACTIVITIES WARRANT. TO BE COVERED OR REMOVED WHEN NOT IN USE.
2. EXISTING SIGNS THAT WOULD INTERFERE WITH CONSTRUCTION ZONE SIGNING SHALL BE REMOVED OR COVERED.
3. (1) W-1-8 SHALL BE PLACED ON EVERY OTHER DRUM THRU LANE TAPERS.
4. GUIDELINES FROM THE 2009 MUTCD SHALL GOVERN.

LEGEND

- DRUM
- ◆ TUBE CHANNELIZER
- TRAFFIC CONTROL SIGN ASSEMBLY
- ▽▽▽ TYPE III BARRICADE
- ⇄ TRAFFIC DIRECTION



BRIDGE 258 - SUGGESTED CONSTRUCTION SEQUENCE AND TRAFFIC CONTROL - PHASE 2 (SHEET 1 OF 2)

CITYWIDE BRIDGE REHABILITATION  
PROJECT NO. TD-2020-B1  
100 W. 21st ST. OVER ARKANSAS RIVER  
CITY OF TULSA, OKLAHOMA  
ENGINEERING SERVICES DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:  
6450 SOUTH LEWIS SUITE 300 Phone: (918) 250-8922  
TULSA, OKLAHOMA 74136 Fax: (918) 658-0107



DRAWN	KDH	12/21	APPROVED:
DESIGNED	KDH	12/21	
SURVEY	N/A	N/A	
PROJ. MGR.			
LEAD MGR.			
FIELD MGR.			
RECOMMENDED:			
DESIGN MANAGER			CITY ENGINEER

PLAN SCALE  
1" = 20'

PROFILE SCALE  
HORIZONTAL:  
1" = 20'

VERTICAL:  
1" = 5'

FILE:

ATLAS PAGE NO.



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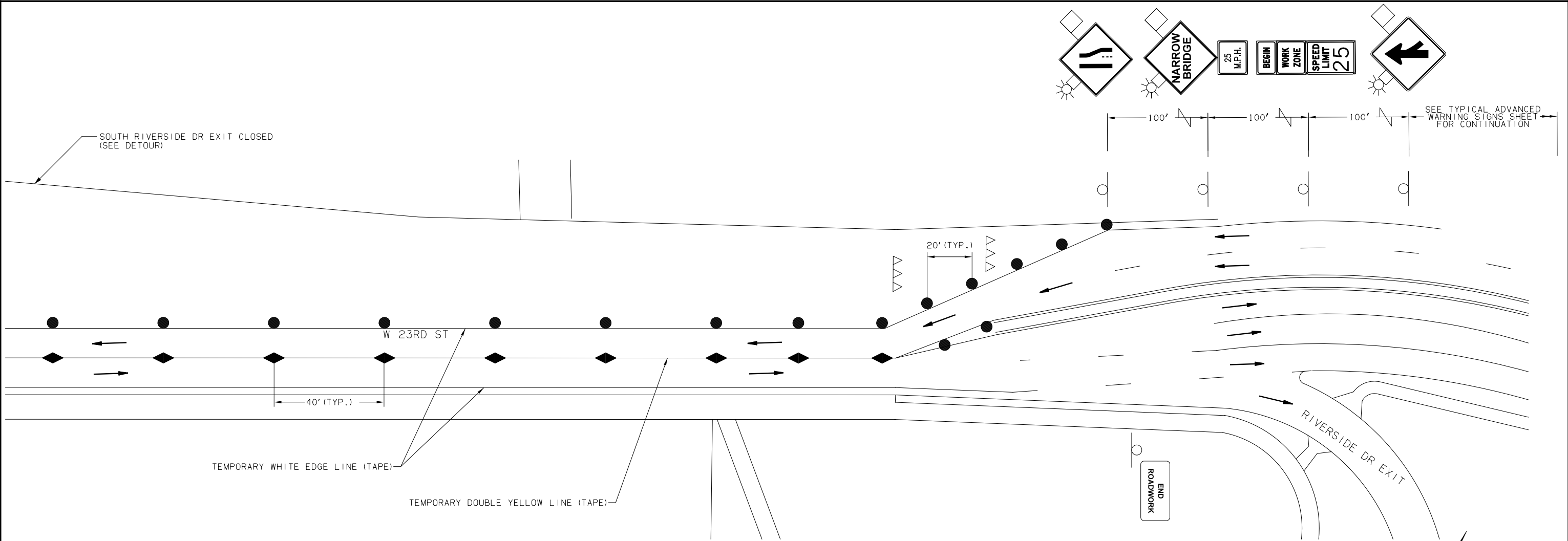
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- NOTES:
1. CONSTRUCTION SIGNS SHALL BE VISIBLE ONLY WHEN ACTIVITIES WARRANT. TO BE COVERED OR REMOVED WHEN NOT IN USE.
  2. EXISTING SIGNS THAT WOULD INTERFERE WITH CONSTRUCTION ZONE SIGNING SHALL BE REMOVED OR COVERED.
  3. (1) W1-8 SHALL BE PLACED ON EVERY OTHER DRUM THRU LANE TAPERS.
  4. GUIDELINES FROM THE 2009 MUTCD SHALL GOVERN.

- LEGEND
- DRUM
  - ◆ TUBE CHANNELIZER
  - TRAFFIC CONTROL SIGN ASSEMBLY
  - ▽▽▽ TYPE III BARRICADE
  - ⇄ TRAFFIC DIRECTION

KeyStone

ADVERTISE DATE: \_\_\_\_\_

REVISION	BY	DATE

FILE: \_\_\_\_\_

ATLAS PAGE NO. \_\_\_\_\_

BRIDGE 258 - SUGGESTED CONSTRUCTION SEQUENCE AND TRAFFIC CONTROL - PHASE 2 (SHEET 2 OF 2)

CITYWIDE BRIDGE REHABILITATION  
PROJECT NO. TD-2020-B1  
100 W. 21st ST. OVER ARKANSAS RIVER  
CITY OF TULSA, OKLAHOMA  
ENGINEERING SERVICES DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:  
6450 SOUTH LEWIS SUITE 300 Phone: (918) 250-8922  
TULSA, OKLAHOMA 74136 Fax: (918) 658-0107

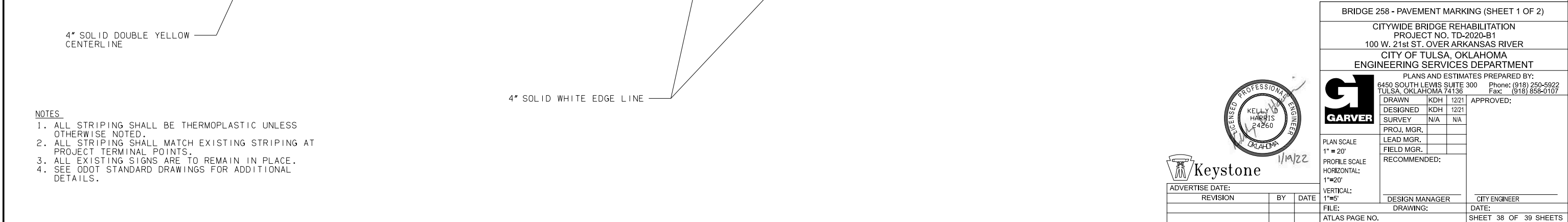
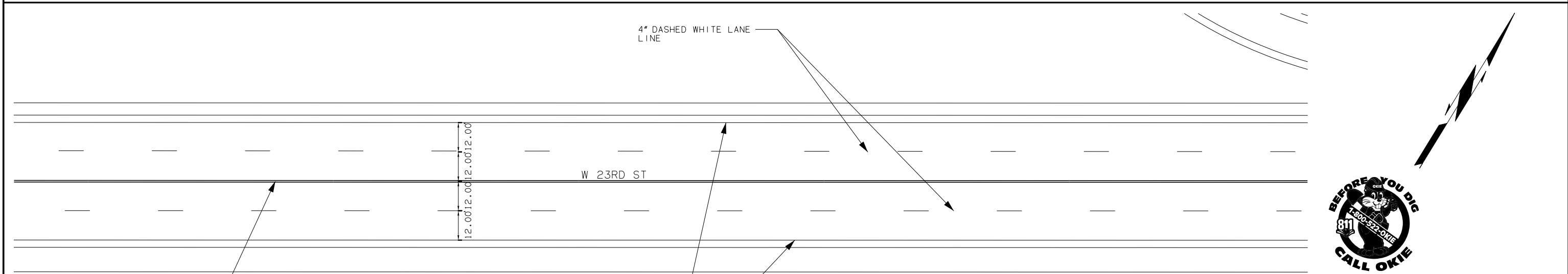
DRAWN	KDH	12/21
DESIGNED	KDH	12/21
SURVEY	N/A	N/A
PROJ. MGR.		
LEAD MGR.		
FIELD MGR.		
RECOMMENDED:		
DESIGN MANAGER		
CITY ENGINEER		

DATE: \_\_\_\_\_

SHEET 36 OF 39 SHEETS







\$\$\$USERS\$\$\$  
WORKSPACE\$\$\$  
\$\$\$FILES\$\$\$

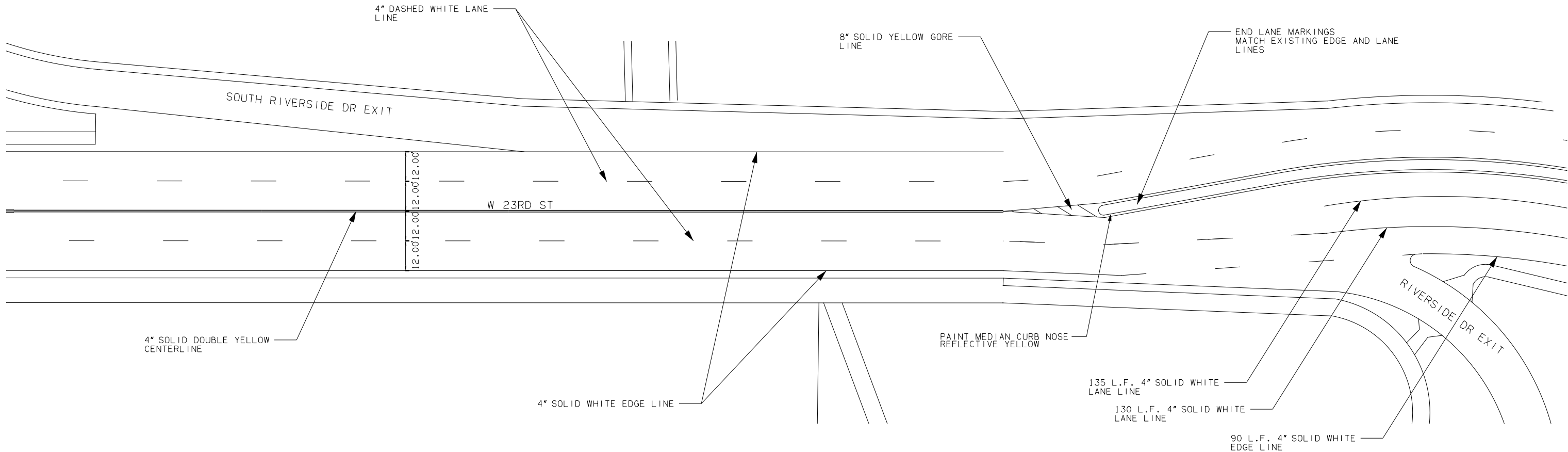
\$\$\$DATE\$\$\$  
\$\$\$TIME\$\$\$

\$\$\$WORKSPACE\$\$\$

\$\$\$FILES\$\$\$

NOTES

1. ALL STRIPING SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.
2. ALL STRIPING SHALL MATCH EXISTING STRIPING AT PROJECT TERMINAL POINTS.
3. ALL EXISTING SIGNS ARE TO REMAIN IN PLACE.
4. SEE ODOT STANDARD DRAWINGS FOR ADDITIONAL DETAILS.



Keystone

ADVERTISE DATE:			1-20		
REVISION		BY	DATE	VERTICAL: 1"=5'	DESIGN MANAGER
				FILE:	CITY ENGINEER
				DRAWING:	DATE:
				ATLAS PAGE NO.	SHEET 39 OF 39 SHEETS

BRIDGE 258 - PAVEMENT MARKING (SHEET 2 OF 2)

CITYWIDE BRIDGE REHABILITATION  
PROJECT NO. TD-2020-B1  
100 W. 21st ST. OVER ARKANSAS RIVER

CITY OF TULSA, OKLAHOMA  
ENGINEERING SERVICES DEPARTMENT



PLANS AND ESTIMATES PREPARED BY:

6450 SOUTH LEWIS SUITE 300 Phone: (918) 250-8922  
TULSA, OKLAHOMA 74136 Fax: (918) 658-0107

APPROVED:

DRAWN	KDH	12/21
DESIGNED	KDH	12/21
SURVEY	N/A	N/A
PROJ. MGR.		
LEAD MGR.		
FIELD MGR.		

PLAN SCALE 1" = 20'

PROFILE SCALE HORIZONTAL: 1" = 20'

VERTICAL: 1" = 5'

RECOMMENDED:

DESIGN MANAGER CITY ENGINEER