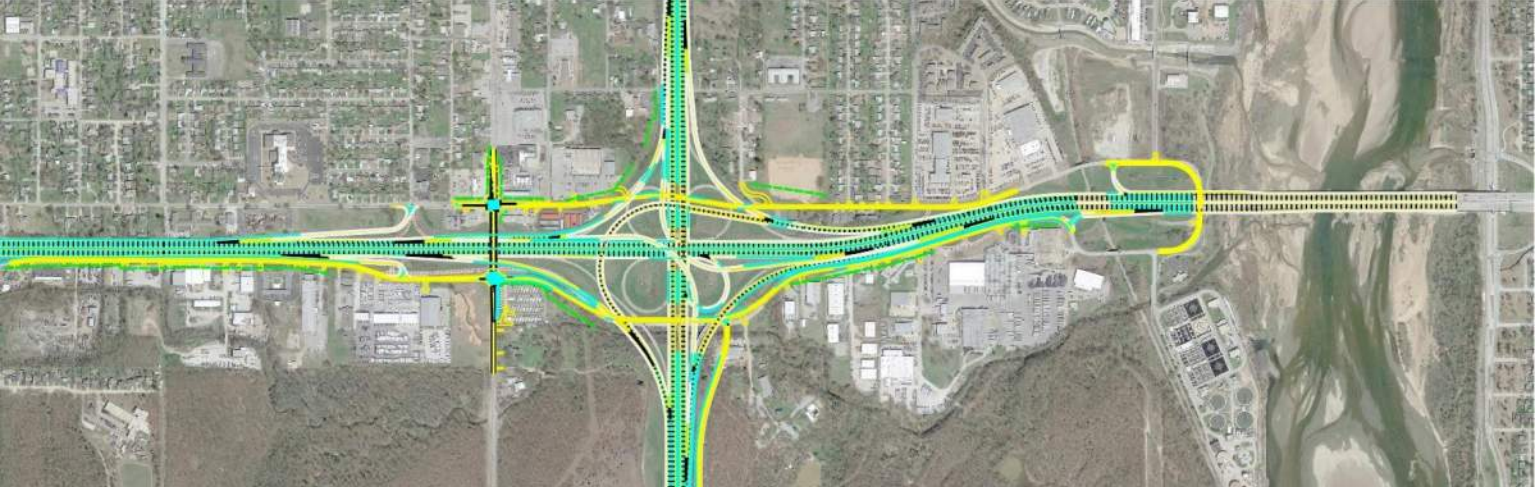




# I-44 from I-244 to Arkansas River Preliminary Engineering Report Work Package Addendum (Draft)



Tulsa County (Division 8)  
ODOT JP32728(04)



Prepared For:

**Oklahoma Department of Transportation**

September 2018





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September 7, 2018

Charles Sims  
Oklahoma Department of Transportation  
Project Management Division  
200 NE 21st Street  
Oklahoma City, OK 73105

Re: JP 32728(04), I-44 PE Study (I-244 to Arkansas River), Work Package Addendum

Mr. Sims:

This Addendum serves to summarize the findings from Phase I of the I-44 PE Study (I-244 to Arkansas River), introduce Phase II services and to supplement the main Preliminary Engineering Report. Review meetings were held on December 7, 2016 and August 11, 2017 to discuss the findings of the Preliminary Engineering Study for the referenced project. A total of two alternatives for the configuration of the I-44/US-75 interchange were evaluated, along with frontage road concepts. Based on discussions at these meetings "Alternative 2" (as identified in the Preliminary Engineering Report and Plan Sheets dated March 2017) was determined to be the preferred alternative due to: eliminated an additional loop ramp and weave resulting in an anticipated reduction in accidents, removes weaving on US-75, alignment of 51<sup>st</sup> has fewer curves, keeps two-way frontage roads.

On November 2, 2017 the preferred alternative was presented at a Public Meeting. One hundred seventy-four (174) people signed in for the meeting, including local Tulsa officials. The presentation outlined the study performed and how the preferred alternative was selected. Public comments and responses were included in a Summary Document dated January 11, 2018.

Phase II services include development of Construction Work Packages that break the ultimate corridor into smaller projects of approximately \$50M to allow the Department to consider programming into the 8 Year Work Plan. The Department was awarded an INFRA grant within this corridor for initial construction projects. In summary, this "INFRA Grant Project" includes the following construction:

- Widening I-44 to 6-lanes from near Union Avenue to to the I-44 bridges over TSU Railroad
- Construct US-75 bridges over I-44 and Mooser Creek
- Reconstruct portion of US-75 in association with new bridges
- Reconstruct I-44/US-75 loop ramps
- Partial reconstruction of I-44/US-75 outer ramps
- I-44 at 33<sup>rd</sup> East Avenue & Union over I-44

With the above considered as Work Package 1 (WP-1), excluding costs of 33<sup>rd</sup> and Union, additional construction work packages were studied and evaluated based on several factors including traffic operations, construction sequence/constructability and opinion of probable construction costs. Note that certain existing ramps require realignment/replacement prior to other new ramps being constructed.

Based on review of the above factors the following draft construction work packages are proposed:

**Work Package 1 (Opinion of Probable Construction Cost \$47.2M)**

- Widening I-44 to six lanes from near Union Avenue to prior to bridges over TSU Railroad
- Construct US-75 bridges over I-44 and Mooser Creek
- Reconstruct portion of US-75 in association with new bridges
- Reconstruct I-44/US-75 loop ramps
- Partial reconstruction of I-44/US-75 outer ramps

**Work Package 2 (Opinion of Probable Construction Cost \$62.6M)**

- Construct WB I-44 to SB US-75 ramp and bridge
- Construct WB I-44 to NB US-75 ramp and bridge
- Construct EB I-44 to SB US-75 ramp and bridge
- Reconstruct Portion of US-75 from South of Mooser Creek to near 71<sup>st</sup> Street
- Reconstruct US-75/61<sup>st</sup> Street Interchange, including 61<sup>st</sup> bridge over US-75
- Reconstruct portion of Skelly from Union Ave. east to US-75

**Work Package 3 (Opinion of Probable Construction Cost \$60.6M)**

- Continue widening of I-44 to six lanes; east of US-75 onto bridge over Arkansas River
- Widen and Redeck I-44 over Arkansas River bridge
- Construct I-44 bridge over TSU Railroad
- Continue widening of US-75 to six lanes; south of bridge over Mooser Creek
- Construct US-75 NB to EB I-44 ramp and bridge
- Construct Skelly Drive; east of US-75
- Complete US-75 Frontage Road and I-44 access road

**Work Package 4 (Opinion of Probable Construction Cost \$35.2M)**

- Complete widening of I-44 to six lanes; from I-44 to Union Ave.
- Construct NB US-75 to WB I-44 ramp and bridge
- Construct I-44 ramps west of Union Avenue
- Reconstruct portion of SB US-75 to WB I-44 ramp
- Complete Skelly Drive

**Work Package 5 (Opinion of Probable Construction Cost \$46.1M)**

- Complete Widening of US-75 to six Lanes: from 41st Street to 51st Street
- Construct US-75 Bridge over 51st Street
- Remove existing US-75 bridges over 49<sup>th</sup> Street
- Construct SB US-75 to WB I-44 Ramp and Bridge
- Construct SB US-75 to EB I-44 Ramp and Bridge
- Complete EB I-44 to NB US-75 Ramp
- Complete WB I-44 to NB US-75 Ramp
- Complete 51st Street and 46th Street

As noted previously certain proposed construction elements need to occur first, due to compatibility between existing and future traffic. However possible modifications from the above can be considered:

- WP-2 – Reduce limits of US-75, and not constructing 61<sup>st</sup> interchange until another or a separate WP
- WP-3 – Could be moved up in order to occur after WP-1, and current WP-2 shifted thereafter
- WP-4
  - Could be moved up in order to occur after WP-1 (with delaying construction of the NB US-75 to WB I-44 Ramp and Bridge), and subsequent work packages shifted thereafter. This would require that the NB US-75 to WB I-44 ramp and bridge (approx. cost of bridge only \$10.7M) be constructed concurrent with WP-3
  - Could be moved up in order to occur after WP-2 (would not require delay of NB US-75 to WB I-44 Ramp and Bridge)

Additional details are shown within **Attachment A** – Preferred Alternative Construction Work Package Sheets and **Attachment B** – Opinion of Probable Cost Documents

Sincerely,

Kevin Moore, P.E.  
Project Manager

PLAN OF PROPOSED  
**INTERSTATE**  
INTERCHANGE, GRADE, DRAIN, BRIDGE & SURFACE

INTERSTATE 44  
**TULSA COUNTY**

CONTROL SECTION NO. 44-72-78  
STATE JOB NO. 32728(04)

INDEX OF SHEETS

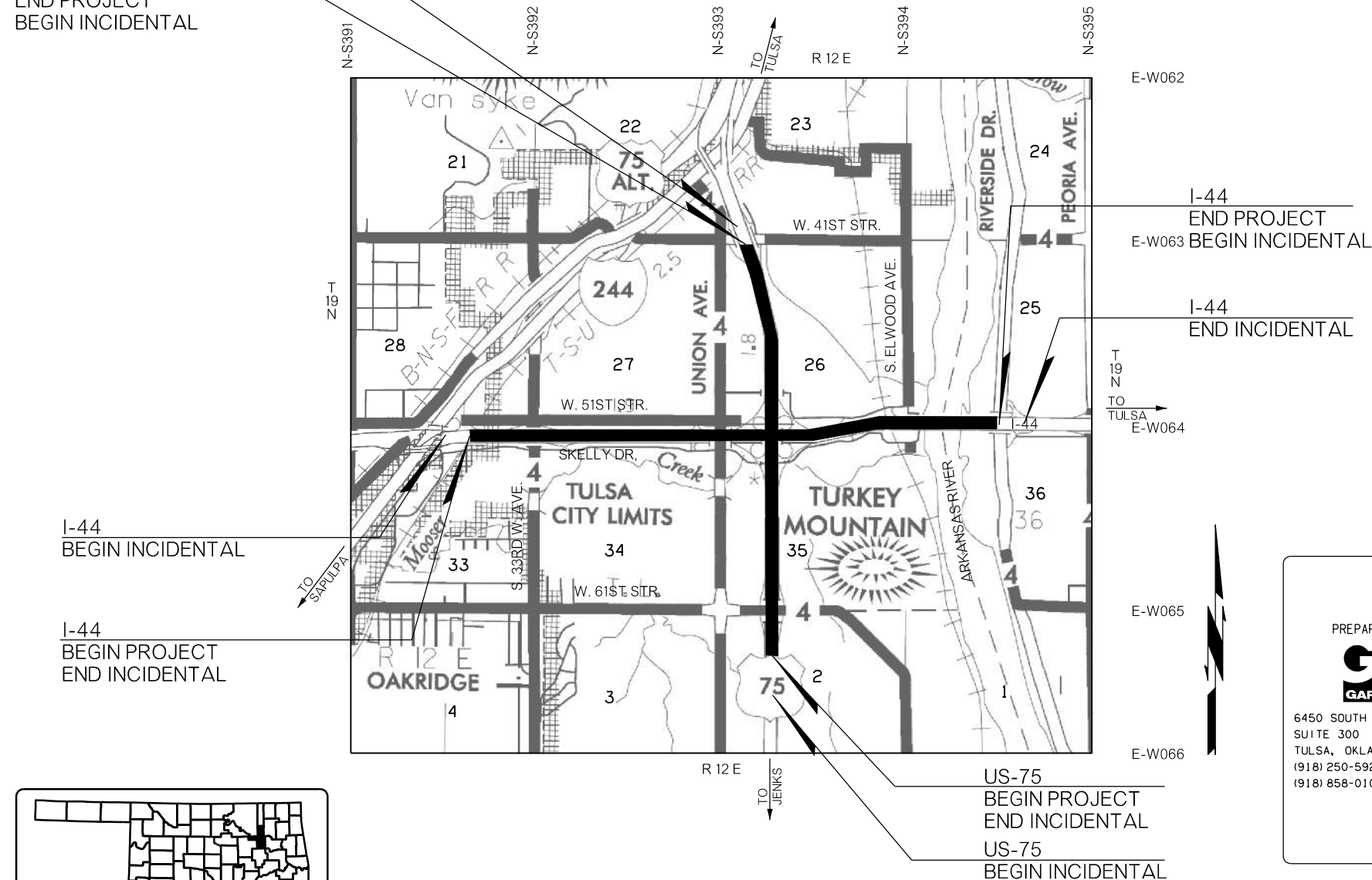
Attachment A - 1 of 40

- 1 COVER SHEET
- 2-8 PREFERRED ALTERNATIVE  
WORK PACKAGE OVERVIEW
- 9-12 PREFERRED ALTERNATIVE  
CONSTRUCTION WORK PACKAGE-1
- 13-19 PREFERRED ALTERNATIVE  
CONSTRUCTION WORK PACKAGE-2
- 20-26 PREFERRED ALTERNATIVE  
CONSTRUCTION WORK PACKAGE-3
- 27-33 PREFERRED ALTERNATIVE  
CONSTRUCTION WORK PACKAGE-4
- 34-40 PREFERRED ALTERNATIVE  
CONSTRUCTION WORK PACKAGE-5

US-75  
END INCIDENTAL

US-75  
END PROJECT  
BEGIN INCIDENTAL

**CONSTRUCTION WORK PACKAGES**



I-44  
BEGIN INCIDENTAL

I-44  
BEGIN PROJECT  
END INCIDENTAL

I-44  
END PROJECT  
BEGIN INCIDENTAL

I-44  
END INCIDENTAL

E-W065

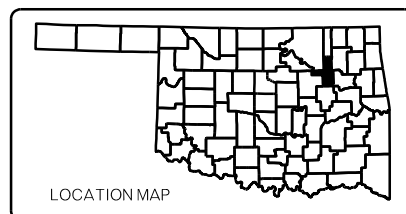
E-W066

US-75  
BEGIN PROJECT  
END INCIDENTAL  
US-75  
BEGIN INCIDENTAL

SCALES   
PLAN 1" = 100'  
PROFILE HOR. 1" = 100'  
VER. 1" = 10'  
LAYOUT MAP 1" = 1,056'

CONVENTIONAL SYMBOLS

- PROPOSED ROAD
- RAILROADS
- RANGE & TOWNSHIP
- SECTION LINES
- QUARTER SECTION LINES
- FENCES
- GROUND LINE
- EXISTING ROADS
- BASE LINE
- GRADE LINES
- TELEPHONE & TELEGRAPH
- POWER LINES
- BUILDINGS
- OIL WELL
- DRAINAGE STRUCTURES - IN PLACE
- DRAINAGE STRUCTURES - NEW
- RIGHT-OF-WAY LINES - EXISTING
- RIGHT-OF-WAY LINES - NEW
- CONTROLLED ACCESS
- RIGHT-OF-WAY FENCE



2009 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION GOVERN, APPROVED BY THE U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION, JANUARY 4, 2010.

PREPARED BY:

6450 SOUTH LEWIS AVE.  
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TULSA, OKLAHOMA 74136  
(918) 250-5922 (VOICE)  
(918) 858-0107 (FAX)

THIS DOCUMENT IS PRELIMINARY IN NATURE AND IS NOT A FINAL, SIGNED AND SEALED DOCUMENT

CERTIFICATE OF AUTHORIZATION NO. 4193 P.E., L.S. RENEWAL DATE: 6-30-2020

OKLAHOMA DEPARTMENT OF TRANSPORTATION		DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION	
DATE APPROVED		DATE APPROVED	
BY		BY	
	CHIEF ENGINEER		DIVISION ADMINISTRATOR
SWO	PROJECT NO.		
COUNTY	HIGHWAY	SHEET NO. 1	

WORK PACKAGE 1 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$47.2M)

- 1. WIDEN I-44 TO SIX LANES; FROM NEAR UNION AVENUE TO BRIDGES OVER TSU RAILROAD
- 2. CONSTRUCT US-75 BRIDGES OVER I-44 AND MOOSER CREEK
- 3. RECONSTRUCT PORTION OF US-75 IN ASSOCIATION WITH NEW BRIDGES
- 4. RECONSTRUCT I-44/US-75 LOOP RAMP
- 5. PARTIAL RECONSTRUCTION OF I-44/US-75 OUTER RAMP
- 6. I-44 OVER 33RD W. AVE. AND UNION AVE. OVER I-44 ARE CURRENTLY UNDER DESIGN

WORK PACKAGE 2 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$62.6M)

- 1. CONSTRUCT WB I-44 TO SB US-75 RAMP AND BRIDGE
- 2. CONSTRUCT WB I-44 TO NB US-75 RAMP AND BRIDGE
- 3. CONSTRUCT EB I-44 TO SB US-75 RAMP AND BRIDGE
- 4. RECONSTRUCT PORTION OF US-75 FROM SOUTH OF MOOSER CREEK TO NEAR 71ST STREET
- 5. RECONSTRUCT US-75/61ST STREET INTERCHANGE, INCLUDING 61ST BRIDGE OVER US-75
- 6. RECONSTRUCT PORTION OF SKELLY AVENUE FROM UNION AVENUE EAST TO US-75

WORK PACKAGE 3 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$60.6M)

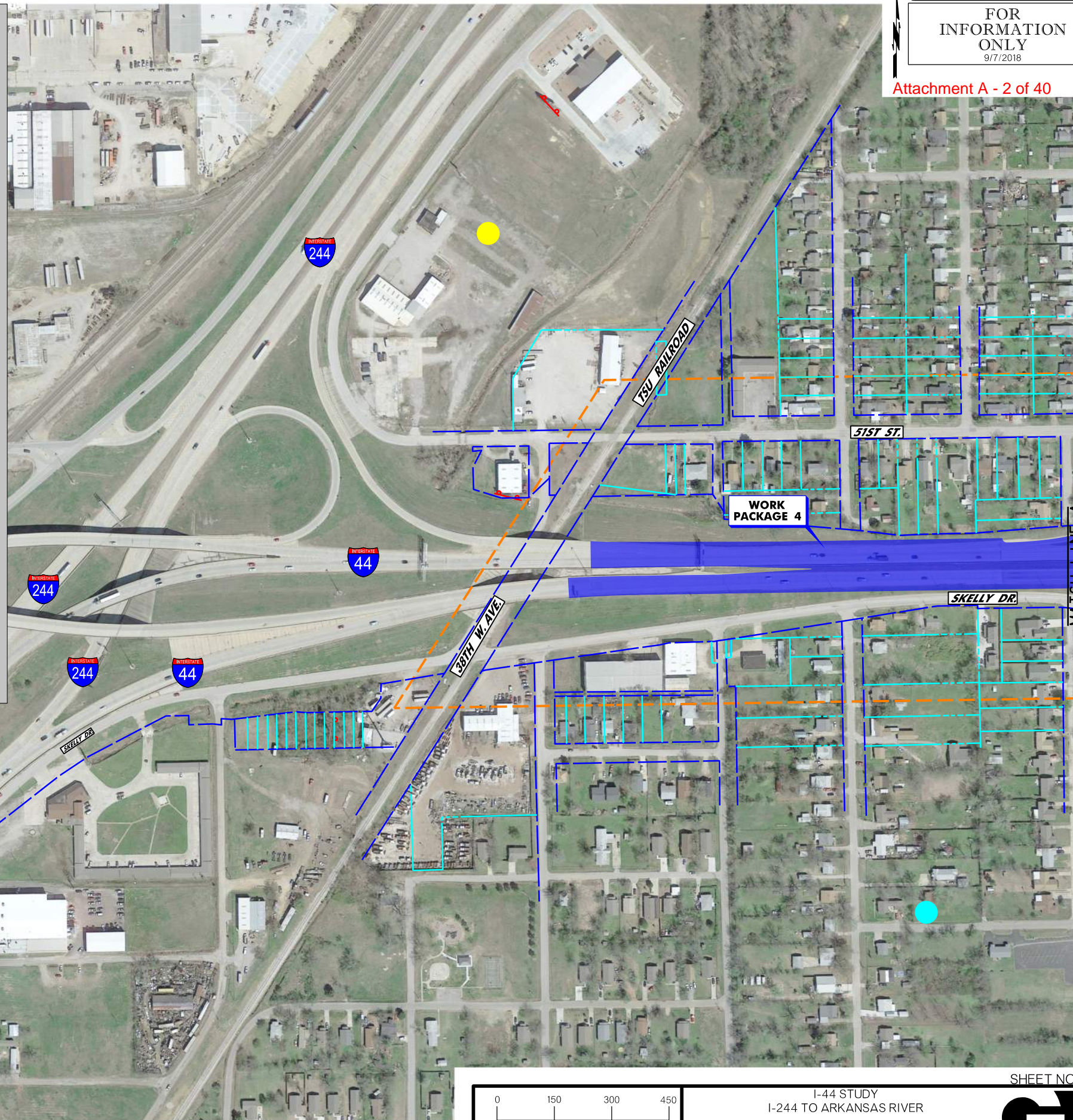
- 1. CONTINUE WIDENING OF I-44 TO SIX LANES; EAST OF US-75 ONTO BRIDGE OVER ARKANSAS RIVER
- 2. WIDEN AND REDECK I-44 OVER ARKANSAS RIVER BRIDGE
- 3. CONSTRUCT I-44 BRIDGE OVER TSU RAILROAD
- 4. CONTINUE WIDENING OF US-75 TO SIX LANES; SOUTH OF BRIDGE OVER MOOSER CREEK
- 5. CONSTRUCT NB US-75 TO EB I-44 RAMP AND BRIDGE
- 6. CONSTRUCT SKELLY DRIVE; EAST OF US-75
- 7. COMPLETE US-75 FRONTAGE ROAD AND I-44 ACCESS ROAD

WORK PACKAGE 4 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$35.2M)

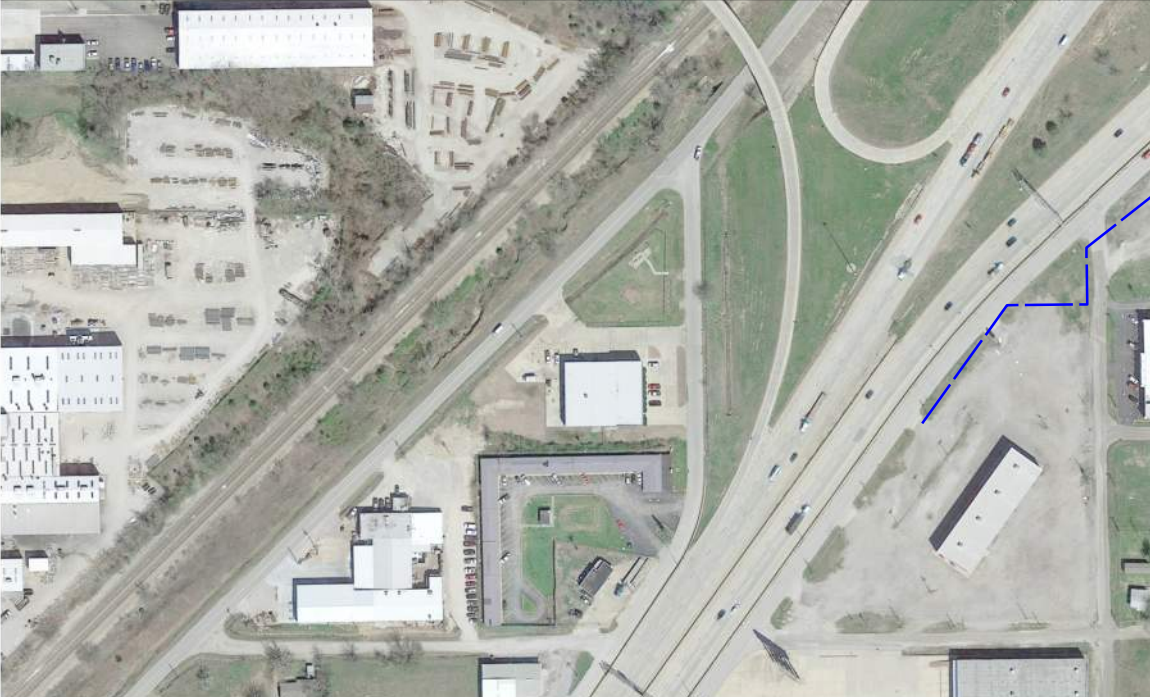
- 1. COMPLETE WIDENING OF I-44 TO SIX LANES; FROM I-244 TO UNION AVE.
- 2. CONSTRUCT NB US-75 TO WB I-44 RAMP AND BRIDGE
- 3. CONSTRUCT I-44 RAMP WEST OF UNION AVENUE
- 4. RECONSTRUCT PORTION OF SB US-75 TO WB I-44 RAMP
- 5. COMPLETE SKELLY DRIVE

WORK PACKAGE 5 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$46.1M)

- 1. COMPLETE WIDENING OF US-75 TO SIX LANES; FROM 41ST STREET TO 51ST STREET
- 2. CONSTRUCT US-75 BRIDGE OVER 51ST STREET
- 3. CONSTRUCT SB US-75 TO WB RAMP AND BRIDGE
- 4. CONSTRUCT EB I-44 RAMP AND BRIDGE
- 5. COMPLETE EB I-44 TO NB US-75 RAMP
- 6. CONSTRUCT WB I-44 TO NB US-75 RAMP
- 7. COMPLETE 51ST STREET AND 46TH STREET
- 8. REMOVAL OF EXISTING 49TH STREET BRIDGES



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LEGEND		FLOODPLAIN ZONE AE	
	WETLAND (FIELD IDENTIFIED)		UST/AST SITE
	EXISTING RIGHT-OF-WAY		POTENTIAL HAZARDOUS MATERIALS SITE
	PROPERTY LINE		LUST/LAST SITE
	DATA COLLECTION AREA		STREAM FLOW LINE
	TRADE FLOW LINE		FLOODWAY ZONE AE

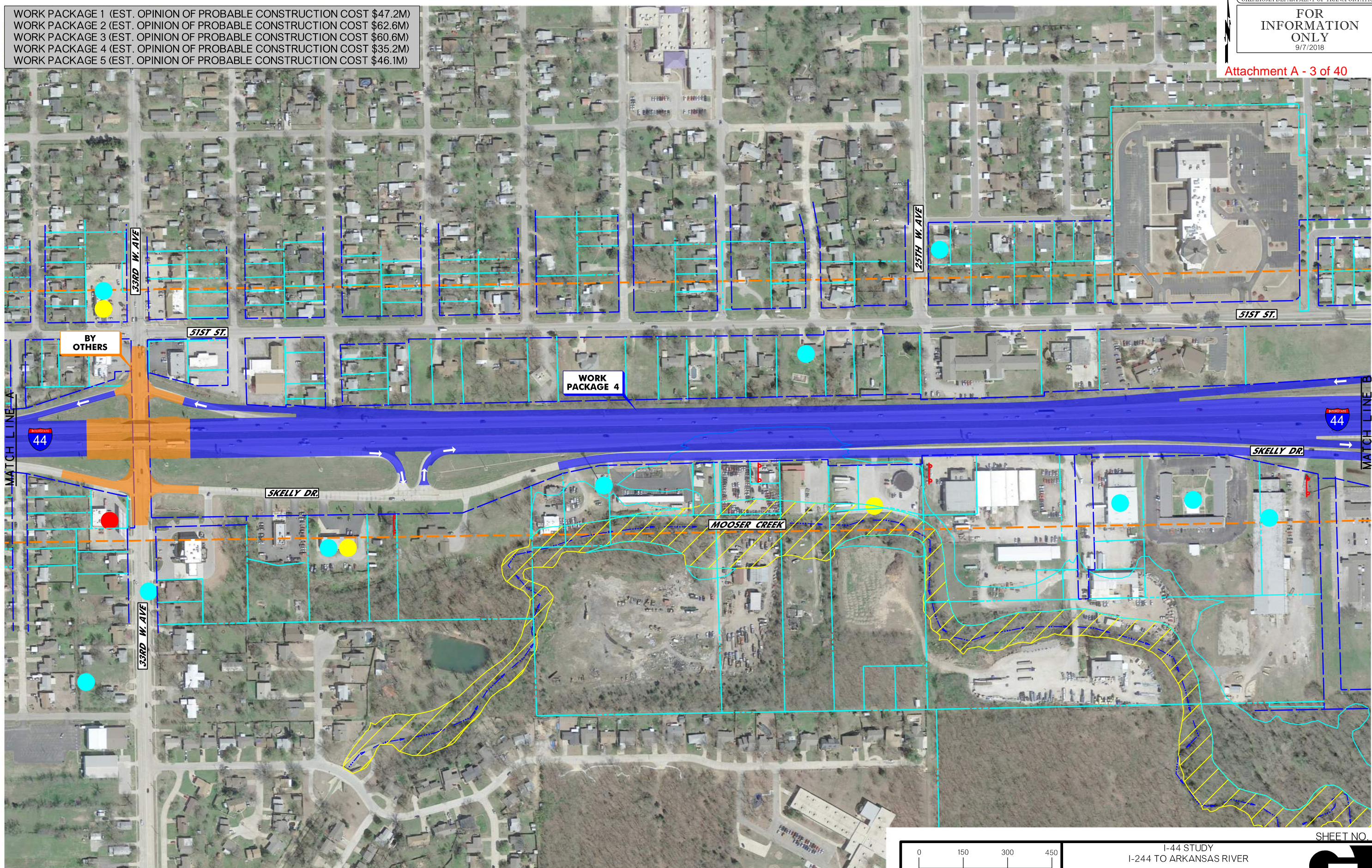
COMPLETED CONSTRUCTION LEGEND			
	BY OTHERS		WORK PACKAGE 1
	WORK PACKAGE 3		WORK PACKAGE 4
	WORK PACKAGE 5		WORK PACKAGE 2



SCALE  
Oklahoma Department of Transportation

I-44 STUDY  
I-244 TO ARKANSAS RIVER  
PREFERRED ALTERNATIVE  
WORK PACKAGE OVERVIEW  
(SHEET 1 OF 7)

WORK PACKAGE 1 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$47.2M)  
WORK PACKAGE 2 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$62.6M)  
WORK PACKAGE 3 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$60.6M)  
WORK PACKAGE 4 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$35.2M)  
WORK PACKAGE 5 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$46.1M)



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SHEET NO. 3

**LEGEND**

WETLAND (FIELD IDENTIFIED)	DATA COLLECTION AREA	UST/AST SITE	POTENTIAL HAZARDOUS MATERIALS SITE	FLOODPLAIN ZONE AE
EXISTING RIGHT-OF-WAY	STREAM FLOWLINE TRADE FICTURE	LUST/LAST SITE	FLOODWAY ZONE AE	
PROPERTY LINE				

**COMPLETED CONSTRUCTION LEGEND**

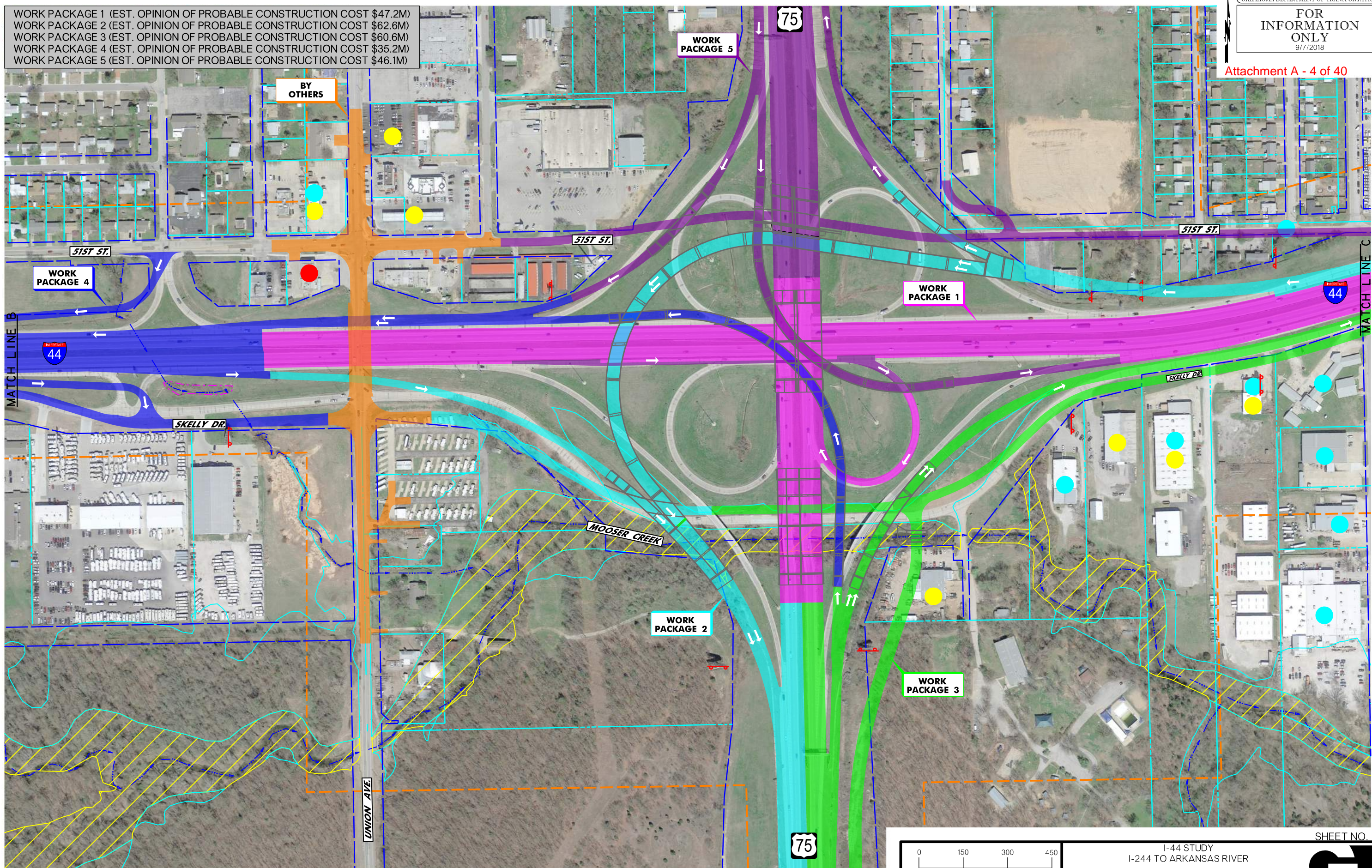
BY OTHERS	WORK PACKAGE 1	WORK PACKAGE 2
WORK PACKAGE 3	WORK PACKAGE 4	WORK PACKAGE 5



Oklahoma Department of Transportation

I-44 STUDY  
I-244 TO ARKANSAS RIVER  
PREFERRED ALTERNATIVE  
WORK PACKAGE OVERVIEW  
(SHEET 2 OF 7)



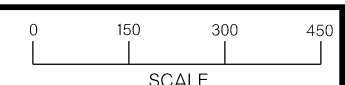


WORK PACKAGE 1 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$47.2M)  
 WORK PACKAGE 2 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$62.6M)  
 WORK PACKAGE 3 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$60.6M)  
 WORK PACKAGE 4 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$35.2M)  
 WORK PACKAGE 5 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$46.1M)

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LEGEND			
	WETLAND (FIELD IDENTIFIED)		UST/AST SITE
	EXISTING RIGHT-OF-WAY		POTENTIAL HAZARDOUS MATERIALS SITE
	PROPERTY LINE		LUST/LAST SITE
	DATA COLLECTION AREA		STREAM FLOW LINE TRADE FICTURE
	FLOODPLAIN ZONE AE		FLOODWAY ZONE AE

COMPLETED CONSTRUCTION LEGEND			
	BY OTHERS		WORK PACKAGE 1
	WORK PACKAGE 3		WORK PACKAGE 2
	WORK PACKAGE 4		WORK PACKAGE 5



Oklahoma Department of Transportation

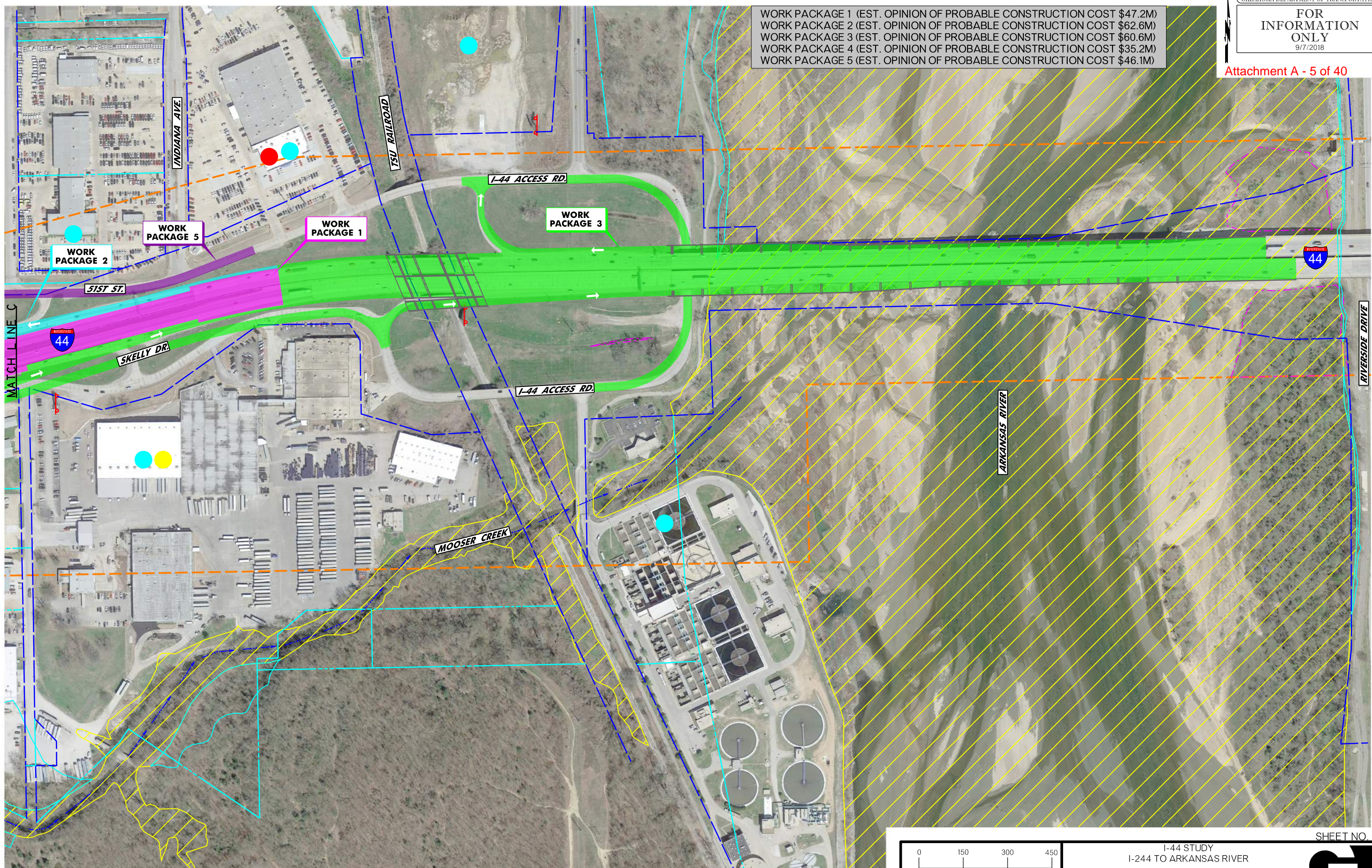
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I-244 TO ARKANSAS RIVER  
PREFERRED ALTERNATIVE  
WORK PACKAGE OVERVIEW  
(SHEET 3 OF 7)



SHEET NO. 4



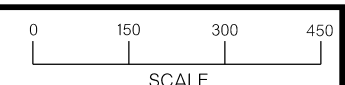
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WORK PACKAGE 3 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$60.6M)  
WORK PACKAGE 4 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$35.2M)  
WORK PACKAGE 5 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$46.1M)



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LEGEND	
	WETLAND (FIELD IDENTIFIED)
	EXISTING RIGHT-OF-WAY
	PROPERTY LINE
	DATA COLLECTION AREA
	STREAM FLOW LINE
	TRADE FRICTION
	UST/AST SITE
	POTENTIAL HAZARDOUS MATERIALS SITE
	LUST/LAST SITE
	FLOODPLAIN ZONE AE
	FLOODWAY ZONE AE

COMPLETED CONSTRUCTION LEGEND			
	BY OTHERS		WORK PACKAGE 2
	WORK PACKAGE 3		WORK PACKAGE 4
	WORK PACKAGE 1		WORK PACKAGE 5



Oklahoma Department of Transportation

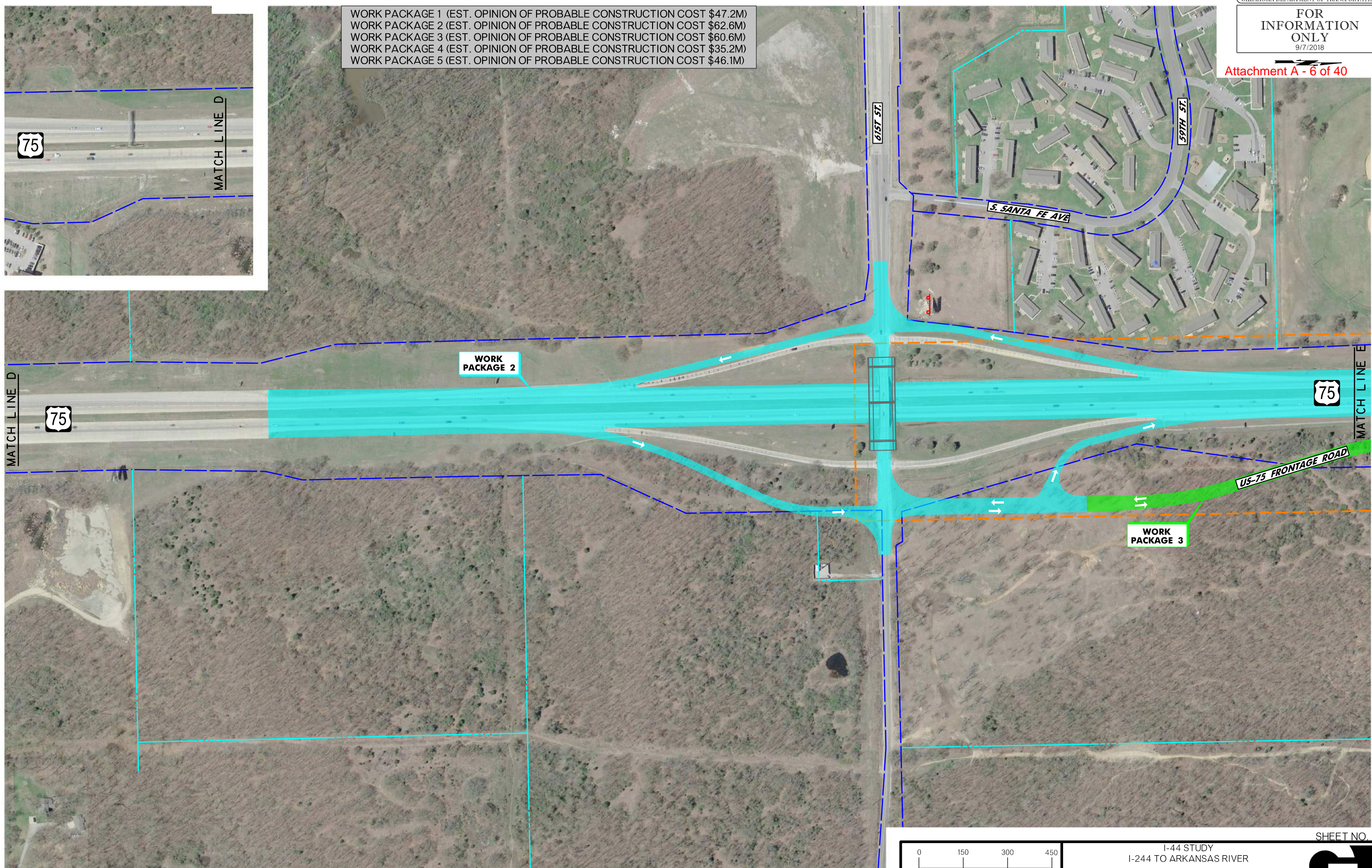
I-44 STUDY  
I-244 TO ARKANSAS RIVER

PREFERRED ALTERNATIVE  
WORK PACKAGE OVERVIEW  
(SHEET 4 OF 7)

SHEET NO. 5



WORK PACKAGE 1 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$47.2M)  
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 WORK PACKAGE 3 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$60.6M)  
 WORK PACKAGE 4 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$35.2M)  
 WORK PACKAGE 5 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$46.1M)



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**LEGEND**

<ul style="list-style-type: none"> <li>--- WETLAND (FIELD IDENTIFIED)</li> <li>--- EXISTING RIGHT-OF-WAY</li> <li>--- PROPERTY LINE</li> </ul>	<ul style="list-style-type: none"> <li>--- DATA COLLECTION AREA</li> <li>--- STREAM FLOWLINE</li> <li>--- TRADE FRIXTURE</li> </ul>	<ul style="list-style-type: none"> <li>● UST/AST SITE</li> <li>● POTENTIAL HAZARDOUS MATERIALS SITE</li> <li>● LUST/LAST SITE</li> </ul>	<ul style="list-style-type: none"> <li>--- FLOODPLAIN ZONE AE</li> <li>--- FLOODWAY ZONE AE</li> </ul>
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**COMPLETED CONSTRUCTION LEGEND**

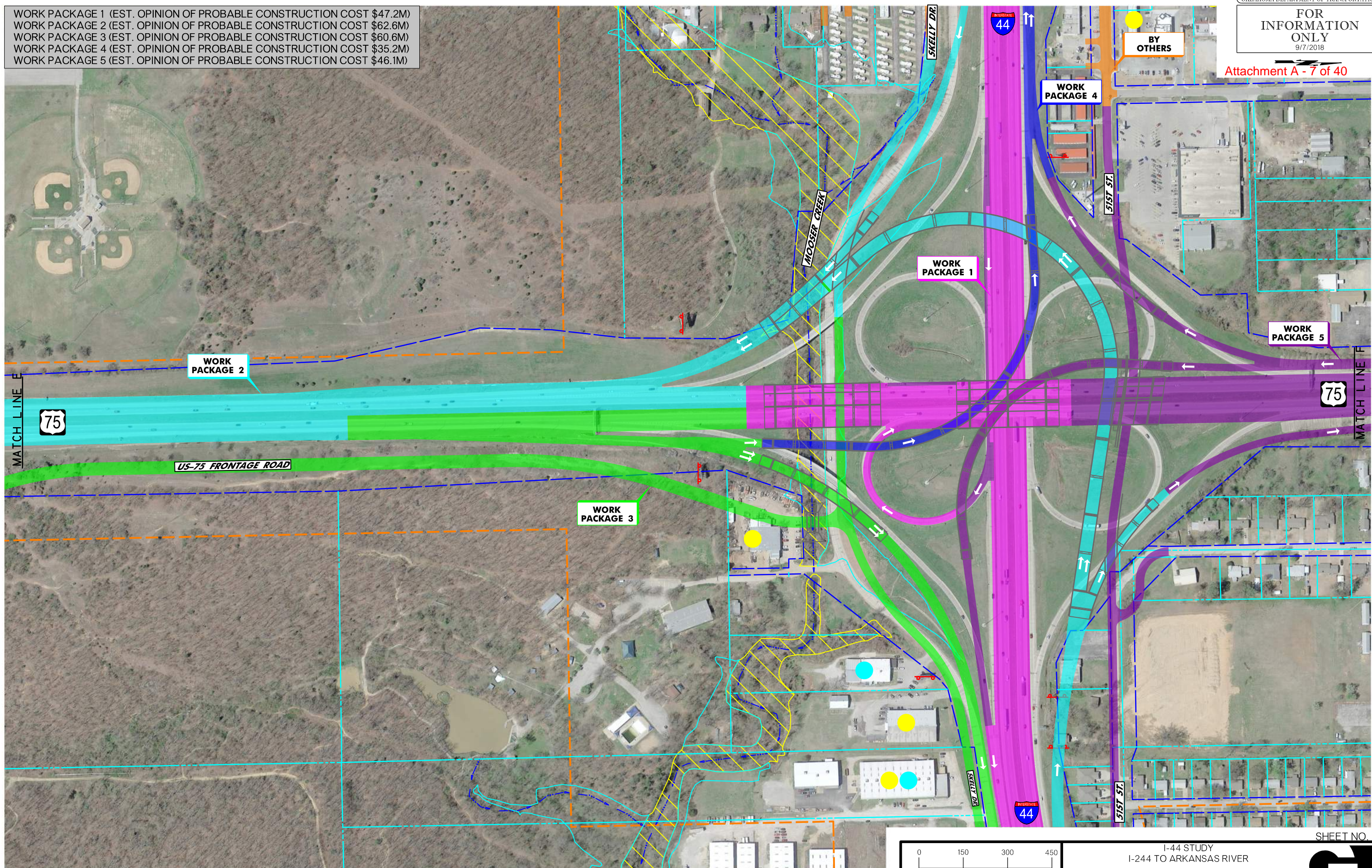
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0 150 300 450  
 SCALE  
 Oklahoma Department of Transportation

I-44 STUDY  
 I-244 TO ARKANSAS RIVER  
 PREFERRED ALTERNATIVE  
 WORK PACKAGE OVERVIEW  
 (SHEET 5 OF 7)

SHEET NO. 6

WORK PACKAGE 1 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$47.2M)  
 WORK PACKAGE 2 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$62.6M)  
 WORK PACKAGE 3 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$60.6M)  
 WORK PACKAGE 4 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$35.2M)  
 WORK PACKAGE 5 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$46.1M)



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LEGEND			
	WETLAND (FIELD IDENTIFIED)		UST/AST SITE POTENTIAL HAZARDOUS
	EXISTING RIGHT-OF-WAY		MATERIALS SITE
	PROPERTY LINE		LUST/LAST SITE
	DATA COLLECTION AREA		STREAM FLOW LINE
	TRADE F IXTURE		FLOODWAY ZONE AE
	FLOODPLAIN ZONE AE		

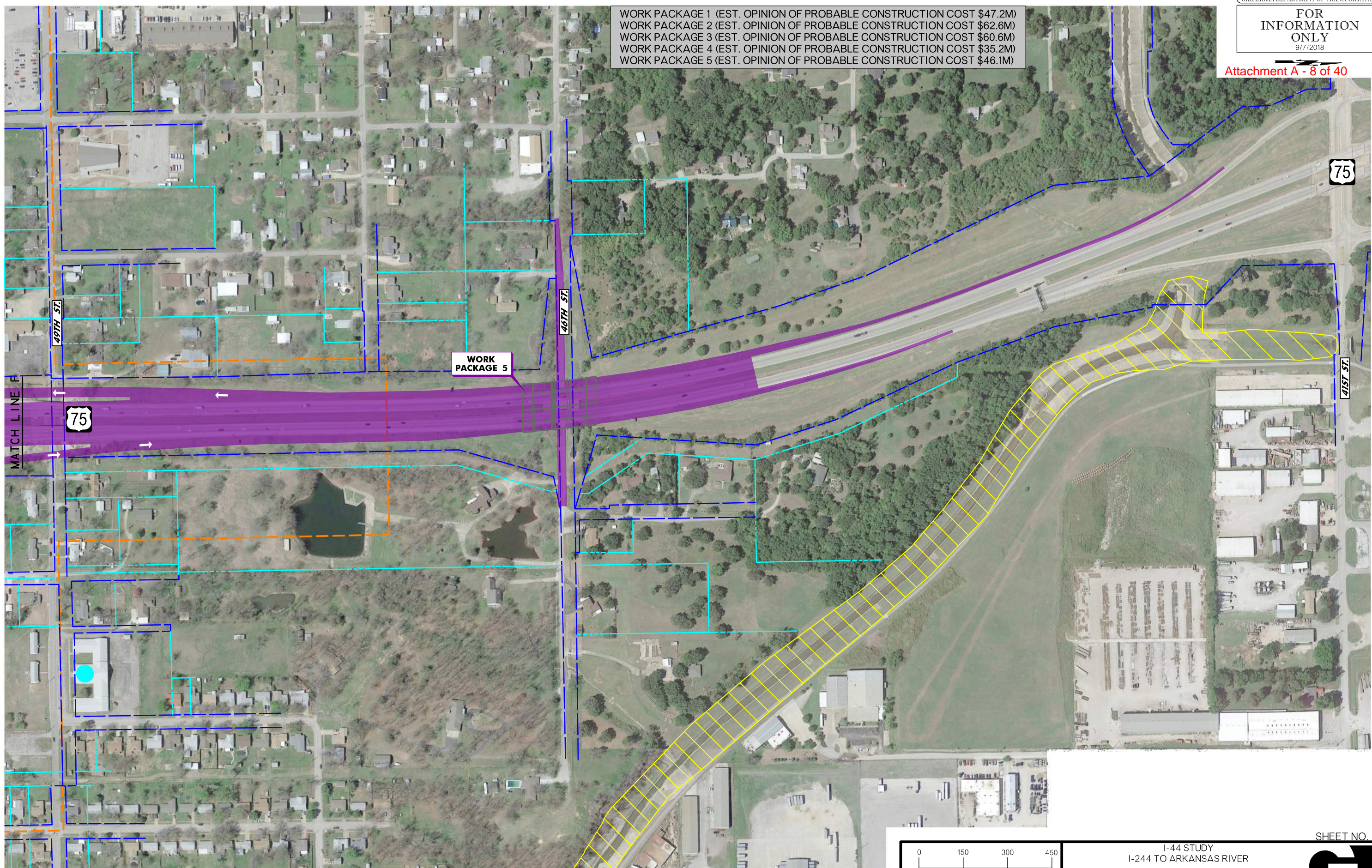
COMPLETED CONSTRUCTION LEGEND			
	BY OTHERS		WORK PACKAGE 1
	WORK PACKAGE 3		WORK PACKAGE 2
	WORK PACKAGE 4		WORK PACKAGE 5

0 150 300 450  
 SCALE  
 Oklahoma Department of Transportation

I-44 STUDY  
 I-244 TO ARKANSAS RIVER  
 PREFERRED ALTERNATIVE  
 WORK PACKAGE OVERVIEW  
 (SHEET 6 OF 7)

SHEET NO. 7

WORK PACKAGE 1 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$47.2M)  
WORK PACKAGE 2 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$62.6M)  
WORK PACKAGE 3 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$60.6M)  
WORK PACKAGE 4 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$35.2M)  
WORK PACKAGE 5 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$46.1M)



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LEGEND		
	WETLAND (FIELD IDENTIFIED)	
	EXISTING RIGHT-OF-WAY	
	PROPERTY LINE	
	DATA COLLECTION AREA	
	STREAM FLOWLINE	
	TRADE FRICTION	
	FLOODPLAIN ZONE AE	
	FLOODWAY ZONE AE	

COMPLETED CONSTRUCTION LEGEND		
	BY OTHERS	
	WORK PACKAGE 3	
	WORK PACKAGE 1	
	WORK PACKAGE 4	
	WORK PACKAGE 5	

0 150 300 450  
SCALE  
Oklahoma Department of Transportation

I-44 STUDY  
I-244 TO ARKANSAS RIVER  
PREFERRED ALTERNATIVE  
WORK PACKAGE OVERVIEW  
(SHEET 7 OF 7)

SHEET NO. 8

WORK PACKAGE 1 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$47.2M)

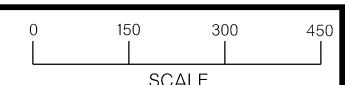
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5. PARTIAL RECONSTRUCTION OF I-44/US-75 OUTER RAMP
6. I-44 OVER 33RD W. AVE. AND UNION AVE. OVER I-44 ARE CURRENTLY UNDER DESIGN



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LEGEND	
	WETLAND (FIELD IDENTIFIED)
	EXISTING RIGHT-OF-WAY
	PROPERTY LINE
	DATA COLLECTION AREA
	STREAM FLOW LINE
	TRADE FLOW
	UST/AST SITE
	POTENTIAL HAZARDOUS MATERIALS SITE
	LUST/LAST SITE
	FLOODPLAIN ZONE AE
	FLOODWAY ZONE AE

CONSTRUCTION PROJECT LEGEND	
	PROJECTS UNDER DESIGN
	WORK PACKAGE 1
	REMOVALS



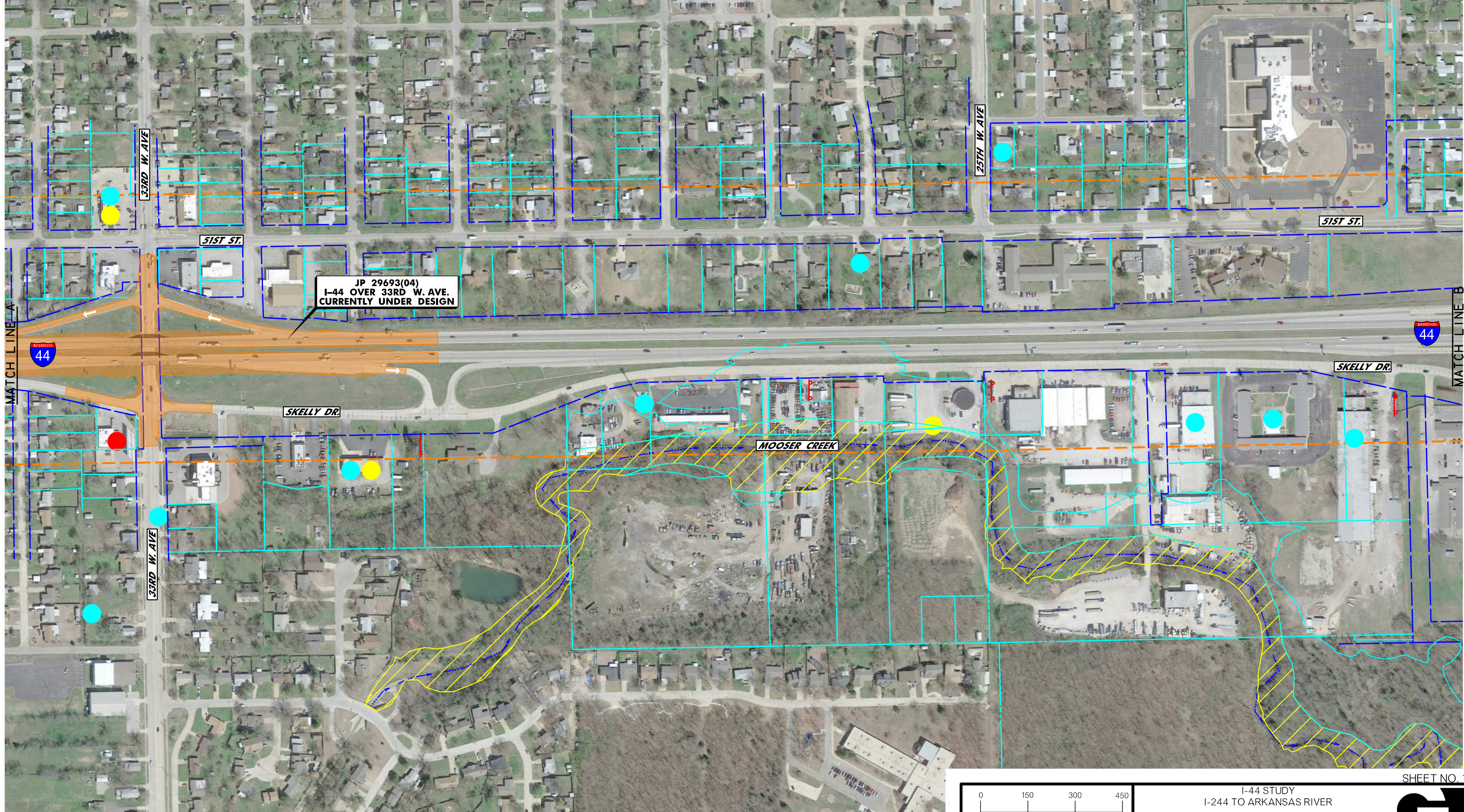
Oklahoma Department of Transportation

I-44 STUDY  
I-244 TO ARKANSAS RIVER  
PREFERRED ALTERNATIVE  
CONSTRUCTION WORK PACKAGE 1  
(SHEET 1 OF 4)



SHEET NO. 9

- WORK PACKAGE 1 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$47.2M)
1. WIDEN I-44 TO SIX LANES; FROM NEAR UNION AVENUE TO BRIDGES OVER TSU RAILROAD
  2. CONSTRUCT US-75 BRIDGES OVER I-44 AND MOOSER CREEK
  3. RECONSTRUCT PORTION OF US-75 IN ASSOCIATION WITH NEW BRIDGES
  4. RECONSTRUCT I-44/US-75 LOOP RAMP
  5. PARTIAL RECONSTRUCTION OF I-44/US-75 OUTER RAMP
  6. I-44 OVER 33RD W. AVE. AND UNION AVE. OVER I-44 ARE CURRENTLY UNDER DESIGN



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LEGEND			
	WETLAND (FIELD IDENTIFIED)		UST/AST SITE
	EXISTING RIGHT-OF-WAY		POTENTIAL HAZARDOUS MATERIALS SITE
	PROPERTY LINE		LUST/LAST SITE
	DATA COLLECTION AREA		FLOODPLAIN ZONE AE
	STREAM FLOW LINE		FLOODWAY ZONE AE
	TRADE FRICTION		

CONSTRUCTION PROJECT LEGEND	
	PROJECTS UNDER DESIGN
	WORK PACKAGE 1
	REMOVALS

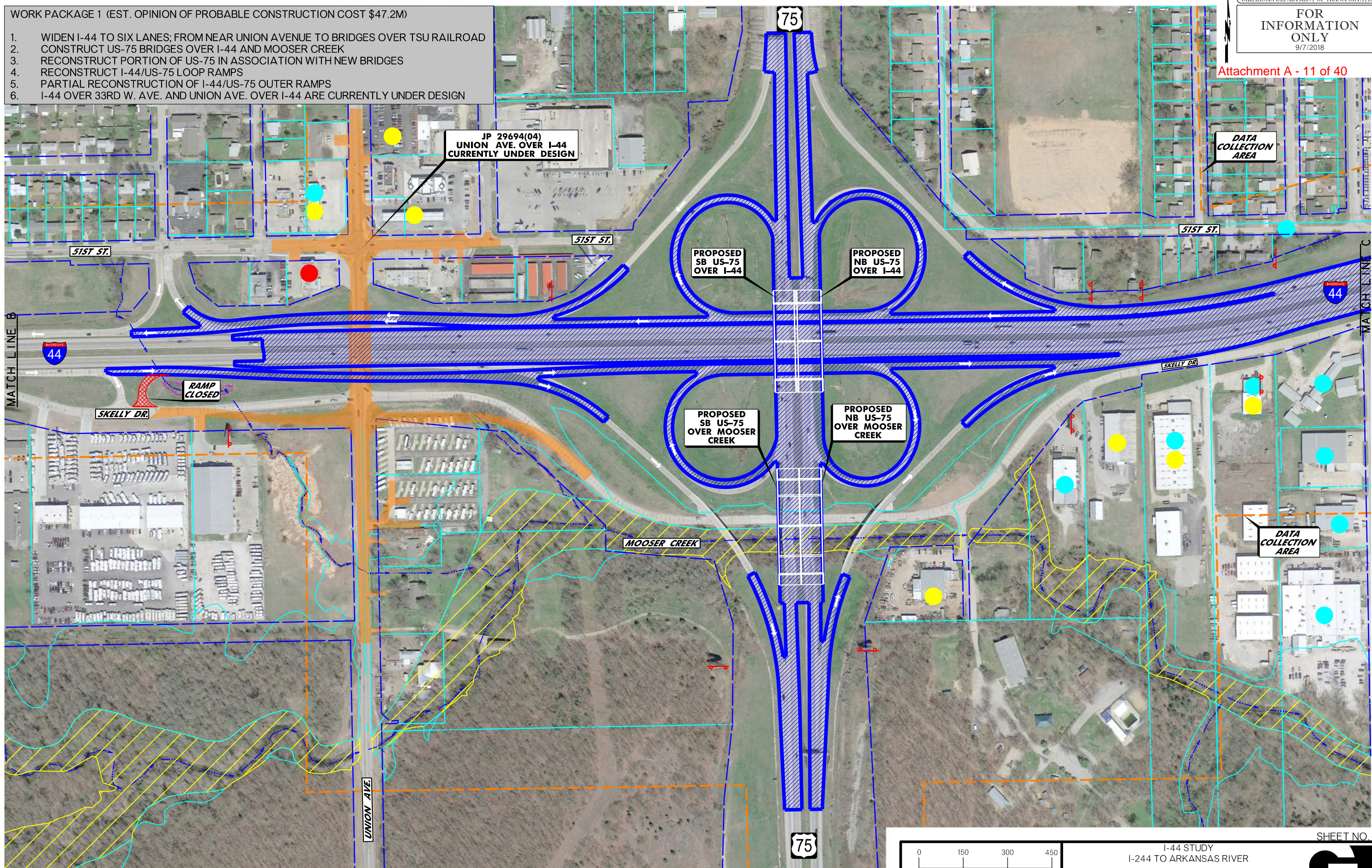
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Oklahoma Department of Transportation

I-44 STUDY  
I-244 TO ARKANSAS RIVER  
PREFERRED ALTERNATIVE  
CONSTRUCTION WORK PACKAGE 1  
(SHEET 2 OF 4)

SHEET NO. 10

WORK PACKAGE 1 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$47.2M)

1. WIDEN I-44 TO SIX LANES; FROM NEAR UNION AVENUE TO BRIDGES OVER TSU RAILROAD
2. CONSTRUCT US-75 BRIDGES OVER I-44 AND MOOSER CREEK
3. RECONSTRUCT PORTION OF US-75 IN ASSOCIATION WITH NEW BRIDGES
4. RECONSTRUCT I-44/US-75 LOOP RAMP
5. PARTIAL RECONSTRUCTION OF I-44/US-75 OUTER RAMP
6. I-44 OVER 33RD W. AVE. AND UNION AVE. OVER I-44 ARE CURRENTLY UNDER DESIGN



JP 29694(04)  
UNION AVE. OVER I-44  
CURRENTLY UNDER DESIGN

PROPOSED SB US-75  
OVER I-44

PROPOSED NB US-75  
OVER I-44

PROPOSED SB US-75  
OVER MOOSER CREEK

PROPOSED NB US-75  
OVER MOOSER CREEK

RAMP  
CLOSED

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LEGEND			
	WETLAND (FIELD IDENTIFIED)		UST/AST SITE POTENTIAL HAZARDOUS
	EXISTING RIGHT-OF-WAY		MATERIALS SITE
	PROPERTY LINE		LUST/LAST SITE
	DATA COLLECTION AREA		STREAM FLOW LINE
	TRADE FRICTION		FLOODWAY ZONE AE
			FLOODPLAIN ZONE AE

CONSTRUCTION PROJECT LEGEND	
	WORK PACKAGE 1
	REMOVALS



Oklahoma Department of Transportation

I-44 STUDY  
I-244 TO ARKANSAS RIVER

PREFERRED ALTERNATIVE  
CONSTRUCTION WORK PACKAGE 1  
(SHEET 3 OF 4)

SHEET NO. 11







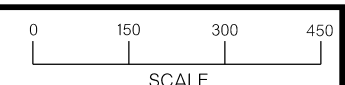
- WORK PACKAGE 2 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$62.6M)
1. CONSTRUCT WB I-44 TO SB US-75 RAMP AND BRIDGE
  2. CONSTRUCT WB I-44 TO NB US-75 RAMP AND BRIDGE
  3. CONSTRUCT EB I-44 TO SB US-75 RAMP AND BRIDGE
  4. RECONSTRUCT PORTION OF US-75 FROM SOUTH OF MOOSER CREEK TO NEAR 71ST STREET
  5. RECONSTRUCT US-75/61ST STREET INTERCHANGE, INCLUDING 61ST BRIDGE OVER US-75
  6. RECONSTRUCT PORTION OF SKELLY AVENUE FROM UNION AVENUE EAST TO US-75



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LEGEND			
	WETLAND (FIELD IDENTIFIED)		UST/AST SITE
	EXISTING RIGHT-OF-WAY		POTENTIAL HAZARDOUS MATERIALS SITE
	PROPERTY LINE		LUST/LAST SITE
	DATA COLLECTION AREA		FLOODPLAIN ZONE AE
	STREAM FLOW LINE TRADE FLOW		FLOODWAY ZONE AE

CONSTRUCTION PROJECT LEGEND	
	COMPLETED CONSTRUCTION
	WORK PACKAGE 2
	REMOVALS

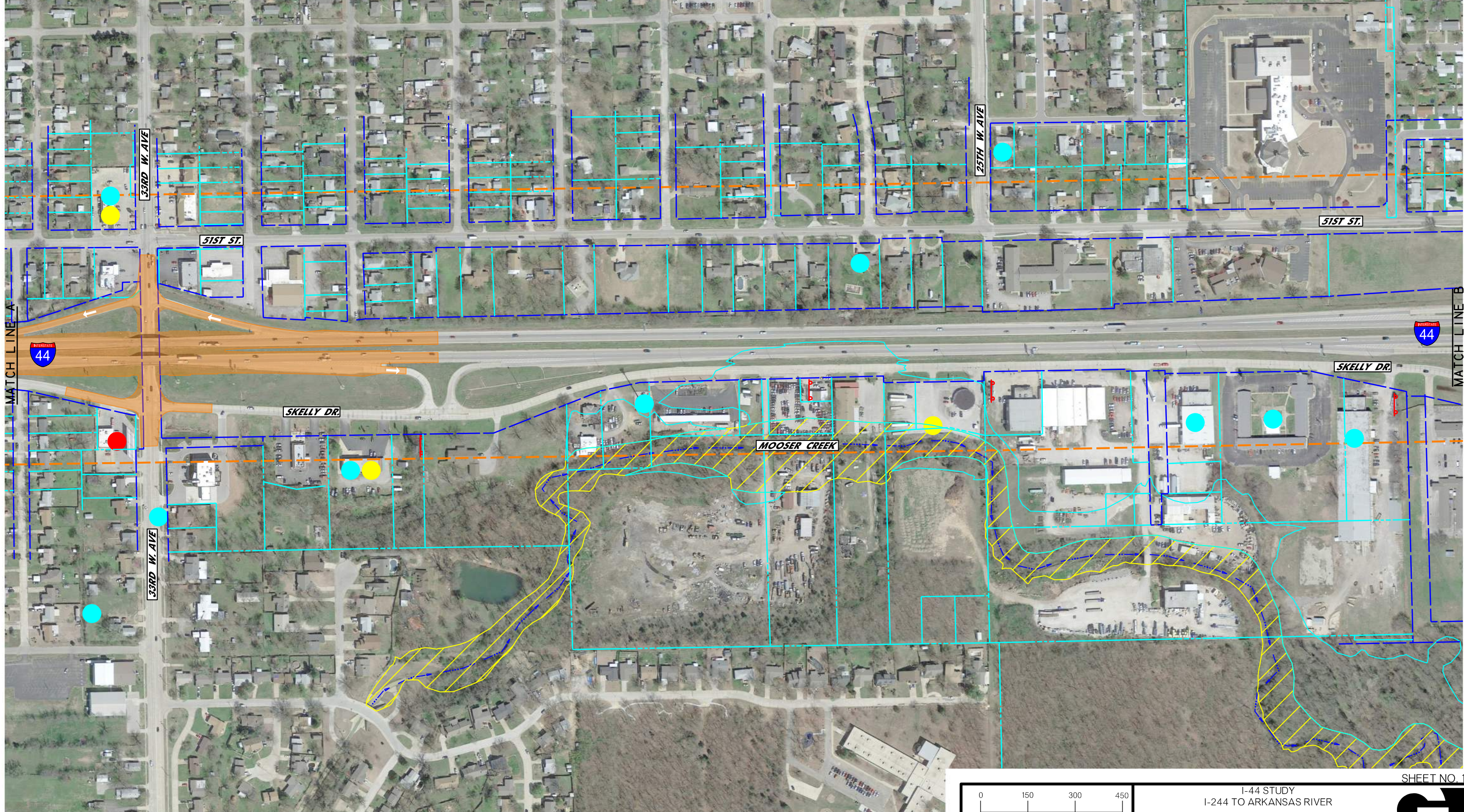


Oklahoma Department of Transportation

I-44 STUDY  
I-244 TO ARKANSAS RIVER  
PREFERRED ALTERNATIVE  
CONSTRUCTION WORK PACKAGE 2  
(SHEET 1 OF 7)



- WORK PACKAGE 2 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$62.6M)**
1. CONSTRUCT WB I-44 TO SB US-75 RAMP AND BRIDGE
  2. CONSTRUCT WB I-44 TO NB US-75 RAMP AND BRIDGE
  3. CONSTRUCT EB I-44 TO SB US-75 RAMP AND BRIDGE
  4. RECONSTRUCT PORTION OF US-75 FROM SOUTH OF MOOSER CREEK TO NEAR 71ST STREET
  5. RECONSTRUCT US-75/61ST STREET INTERCHANGE, INCLUDING 61ST BRIDGE OVER US-75
  6. RECONSTRUCT PORTION OF SKELLY AVENUE FROM UNION AVENUE EAST TO US-75



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MATCH LINE A

MATCH LINE B

LEGEND			
	WETLAND (FIELD IDENTIFIED)		UST/AST SITE
	EXISTING RIGHT-OF-WAY		POTENTIAL HAZARDOUS MATERIALS SITE
	PROPERTY LINE		LUST/LAST SITE
	DATA COLLECTION AREA		STREAM FLOW LINE
	TRADE F IXTURE		FLOODWAY ZONE AE
			FLOODPLAIN ZONE AE

CONSTRUCTION PROJECT LEGEND	
	COMPLETED CONSTRUCTION
	WORK PACKAGE 2
	REMOVALS

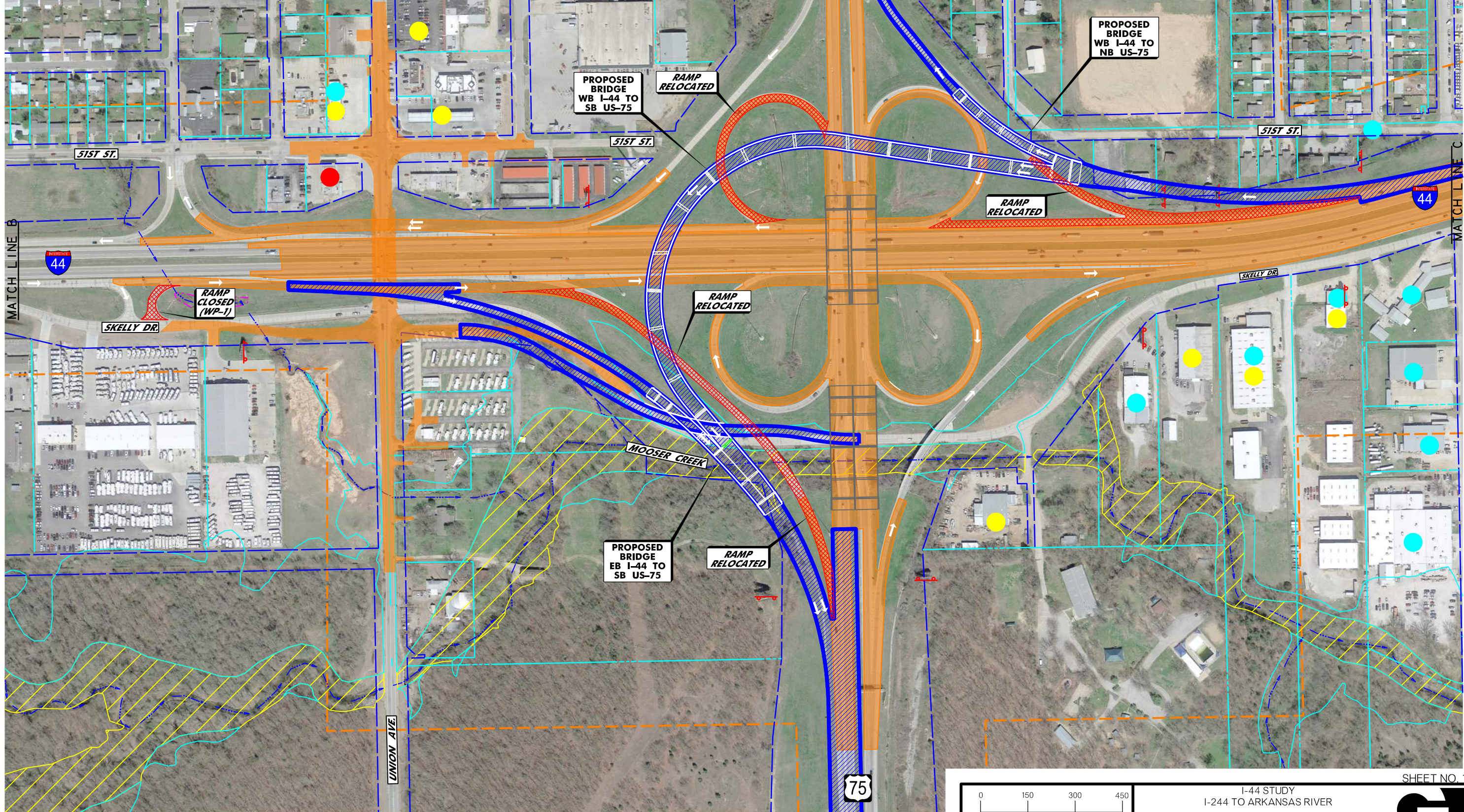
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 Oklahoma Department of Transportation

I-44 STUDY  
 I-244 TO ARKANSAS RIVER  
 PREFERRED ALTERNATIVE  
 CONSTRUCTION WORK PACKAGE 2  
 (SHEET 2 OF 7)



SHEET NO. 14

- WORK PACKAGE 2 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$62.6M)
1. CONSTRUCT WB I-44 TO SB US-75 RAMP AND BRIDGE
  2. CONSTRUCT WB I-44 TO NB US-75 RAMP AND BRIDGE
  3. CONSTRUCT EB I-44 TO SB US-75 RAMP AND BRIDGE
  4. RECONSTRUCT PORTION OF US-75 FROM SOUTH OF MOOSER CREEK TO NEAR 71ST STREET
  5. RECONSTRUCT US-75/61ST STREET INTERCHANGE, INCLUDING 61ST BRIDGE OVER US-75
  6. RECONSTRUCT PORTION OF SKELLY AVENUE FROM UNION AVENUE EAST TO US-75



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LEGEND			
	WETLAND (FIELD IDENTIFIED)		UST/AST SITE
	EXISTING RIGHT-OF-WAY		POTENTIAL HAZARDOUS MATERIALS SITE
	PROPERTY LINE		LUST/LAST SITE
	DATA COLLECTION AREA		FLOODPLAIN ZONE AE
	STREAM FLOWLINE		FLOODWAY ZONE AE
	TRADE FLOWLINE		

CONSTRUCTION PROJECT LEGEND	
	COMPLETED CONSTRUCTION
	WORK PACKAGE 2
	REMOVALS

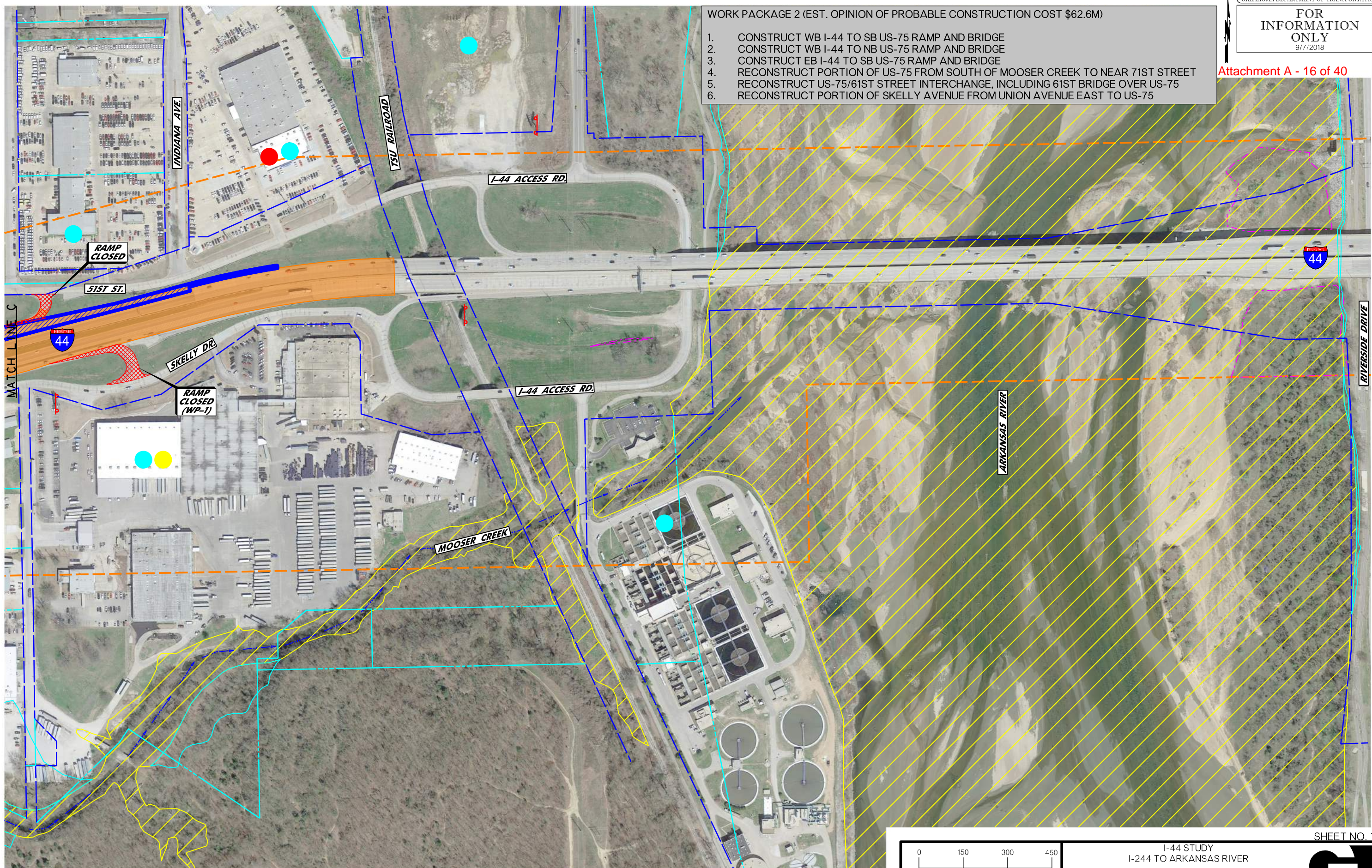
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SCALE  
Oklahoma Department of Transportation

I-44 STUDY  
I-244 TO ARKANSAS RIVER  
PREFERRED ALTERNATIVE  
CONSTRUCTION WORK PACKAGE 2  
(SHEET 3 OF 7)

SHEET NO. 15

- WORK PACKAGE 2 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$62.6M)
1. CONSTRUCT WB I-44 TO SB US-75 RAMP AND BRIDGE
  2. CONSTRUCT WB I-44 TO NB US-75 RAMP AND BRIDGE
  3. CONSTRUCT EB I-44 TO SB US-75 RAMP AND BRIDGE
  4. RECONSTRUCT PORTION OF US-75 FROM SOUTH OF MOOSER CREEK TO NEAR 71ST STREET
  5. RECONSTRUCT US-75/61ST STREET INTERCHANGE, INCLUDING 61ST BRIDGE OVER US-75
  6. RECONSTRUCT PORTION OF SKELLY AVENUE FROM UNION AVENUE EAST TO US-75

Attachment A - 16 of 40



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LEGEND

WETLAND (FIELD IDENTIFIED)	DATA COLLECTION AREA	UST/AST SITE POTENTIAL HAZARDOUS	FLOODPLAIN ZONE AE
EXISTING RIGHT-OF-WAY	STREAM FLOW LINE TRADE FICTURE	MATERIALS SITE	FLOODWAY ZONE AE
PROPERTY LINE		LUST/LAST SITE	

CONSTRUCTION PROJECT LEGEND

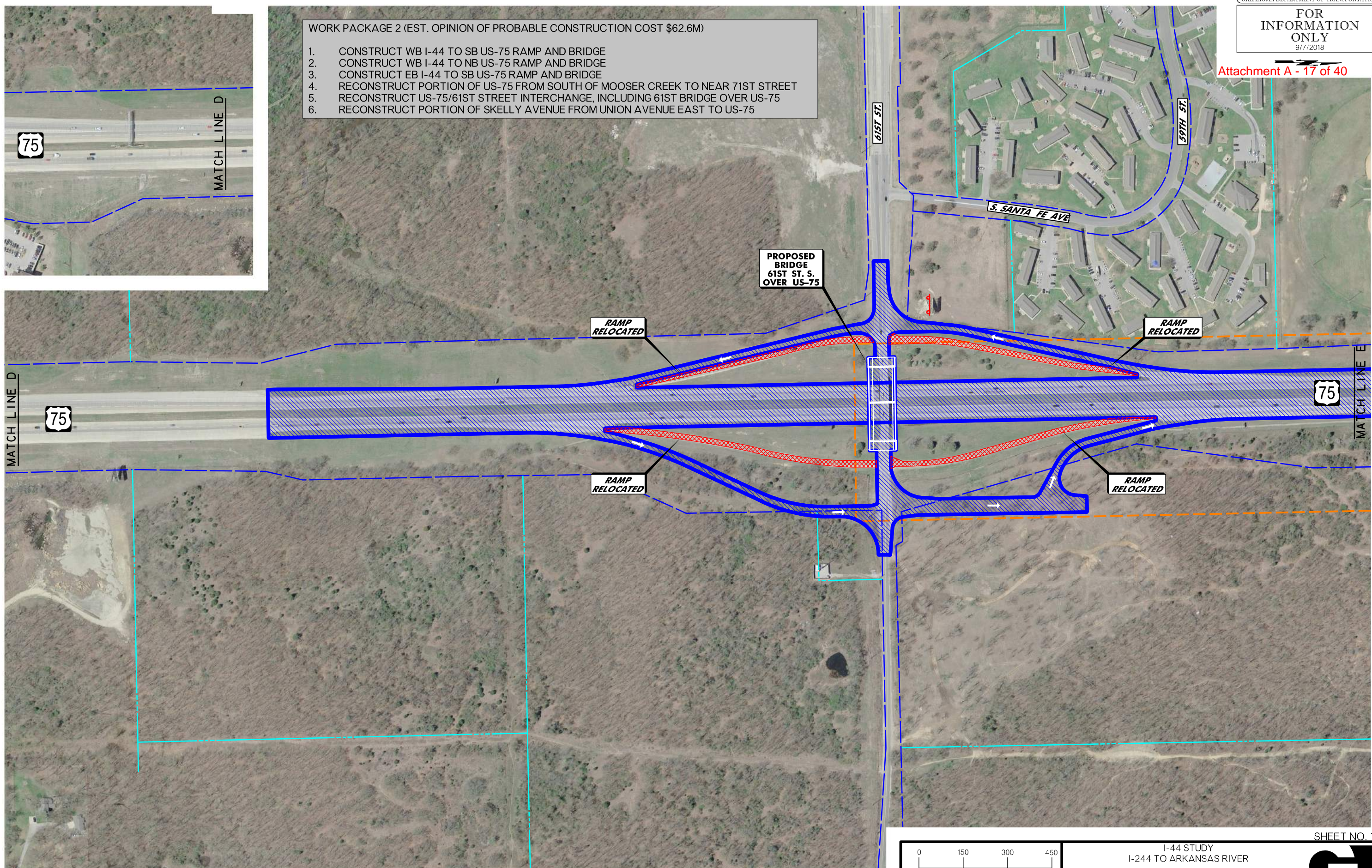
COMPLETED CONSTRUCTION	REMOVALS
WORK PACKAGE 2	

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SCALE  
Oklahoma Department of Transportation

I-44 STUDY  
I-244 TO ARKANSAS RIVER  
PREFERRED ALTERNATIVE  
CONSTRUCTION WORK PACKAGE 2  
(SHEET 4 OF 7)

SHEET NO. 16  
GARVER

- WORK PACKAGE 2 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$62.6M)
1. CONSTRUCT WB I-44 TO SB US-75 RAMP AND BRIDGE
  2. CONSTRUCT WB I-44 TO NB US-75 RAMP AND BRIDGE
  3. CONSTRUCT EB I-44 TO SB US-75 RAMP AND BRIDGE
  4. RECONSTRUCT PORTION OF US-75 FROM SOUTH OF MOOSER CREEK TO NEAR 71ST STREET
  5. RECONSTRUCT US-75/61ST STREET INTERCHANGE, INCLUDING 61ST BRIDGE OVER US-75
  6. RECONSTRUCT PORTION OF SKELLY AVENUE FROM UNION AVENUE EAST TO US-75



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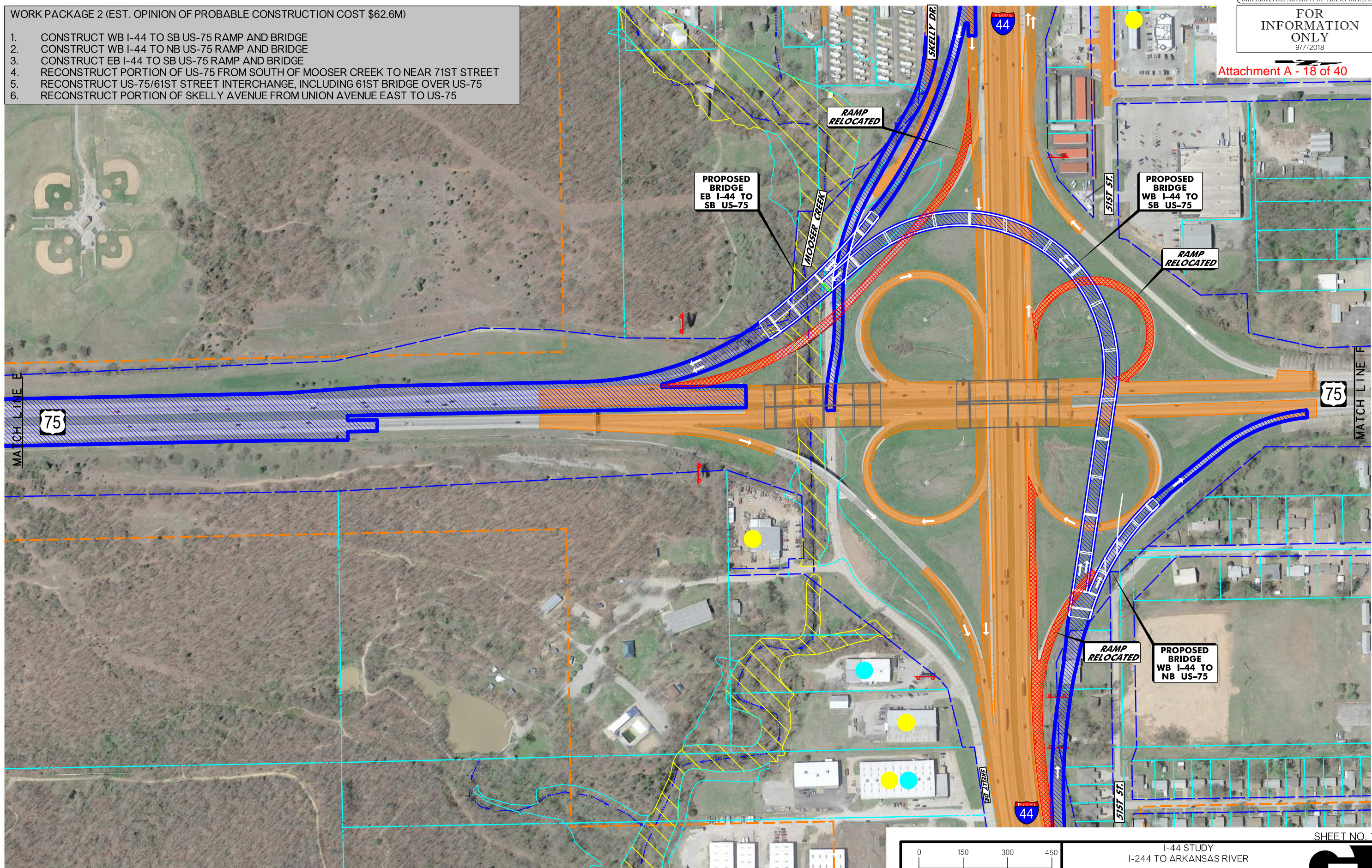
LEGEND			
	WETLAND (FIELD IDENTIFIED)		UST/AST SITE
	EXISTING RIGHT-OF-WAY		POTENTIAL HAZARDOUS MATERIALS SITE
	PROPERTY LINE		LUST/LAST SITE
	DATA COLLECTION AREA		FLOODPLAIN ZONE AE
	STREAM FLOWLINE TRADE FRIXTURE		FLOODWAY ZONE AE

CONSTRUCTION PROJECT LEGEND	
	WORK PACKAGE 2
	COMPLETED CONSTRUCTION
	REMOVALS

0 150 300 450  
 SCALE  
 Oklahoma Department of Transportation

I-44 STUDY  
 I-244 TO ARKANSAS RIVER  
 PREFERRED ALTERNATIVE  
 CONSTRUCTION WORK PACKAGE 2  
 (SHEET 5 OF 7)

- WORK PACKAGE 2 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$62.6M)
1. CONSTRUCT WB I-44 TO SB US-75 RAMP AND BRIDGE
  2. CONSTRUCT WB I-44 TO NB US-75 RAMP AND BRIDGE
  3. CONSTRUCT EB I-44 TO SB US-75 RAMP AND BRIDGE
  4. RECONSTRUCT PORTION OF US-75 FROM SOUTH OF MOOSER CREEK TO NEAR 71ST STREET
  5. RECONSTRUCT US-75/61ST STREET INTERCHANGE, INCLUDING 61ST BRIDGE OVER US-75
  6. RECONSTRUCT PORTION OF SKELLY AVENUE FROM UNION AVENUE EAST TO US-75



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LEGEND			
	WETLAND (FIELD IDENTIFIED)		UST/AST SITE
	EXISTING RIGHT-OF-WAY		POTENTIAL HAZARDOUS MATERIALS SITE
	PROPERTY LINE		LUST/LAST SITE
	DATA COLLECTION AREA		STREAM FLOWLINE TRADE FICTURE
	FLOODPLAIN ZONE AE		FLOODWAY ZONE AE

CONSTRUCTION PROJECT LEGEND	
	COMPLETED CONSTRUCTION
	REMOVALS
	WORK PACKAGE 2

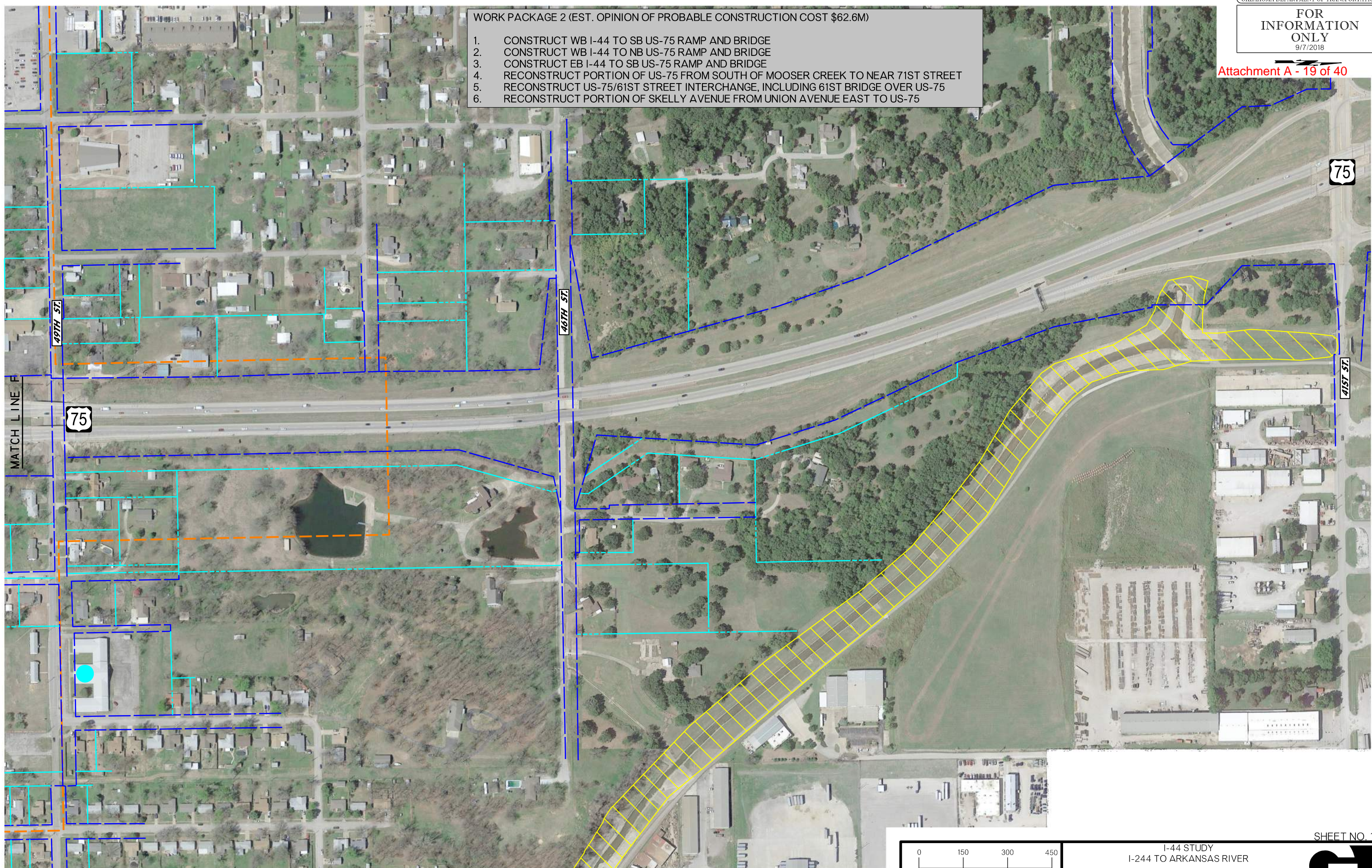
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Oklahoma Department of Transportation

I-44 STUDY  
I-244 TO ARKANSAS RIVER  
PREFERRED ALTERNATIVE  
CONSTRUCTION WORK PACKAGE 2  
(SHEET 6 OF 7)



**WORK PACKAGE 2 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$62.6M)**

1. CONSTRUCT WB I-44 TO SB US-75 RAMP AND BRIDGE
2. CONSTRUCT WB I-44 TO NB US-75 RAMP AND BRIDGE
3. CONSTRUCT EB I-44 TO SB US-75 RAMP AND BRIDGE
4. RECONSTRUCT PORTION OF US-75 FROM SOUTH OF MOOSER CREEK TO NEAR 71ST STREET
5. RECONSTRUCT US-75/61ST STREET INTERCHANGE, INCLUDING 61ST BRIDGE OVER US-75
6. RECONSTRUCT PORTION OF SKELLY AVENUE FROM UNION AVENUE EAST TO US-75

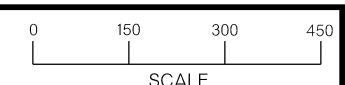


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MATCH LINE F

LEGEND		
	WETLAND (FIELD IDENTIFIED)	
	EXISTING RIGHT-OF-WAY	
	PROPERTY LINE	
	DATA COLLECTION AREA	
	STREAM FLOWLINE TRADE FICTURE	
	FLOODPLAIN ZONE AE	
	FLOODWAY ZONE AE	

CONSTRUCTION PROJECT LEGEND	
	COMPLETED CONSTRUCTION
	WORK PACKAGE 2
	REMOVALS



Oklahoma Department of Transportation

I-44 STUDY  
 I-244 TO ARKANSAS RIVER  
 PREFERRED ALTERNATIVE  
 CONSTRUCTION WORK PACKAGE 2  
 (SHEET 7 OF 7)

SHEET NO. 19



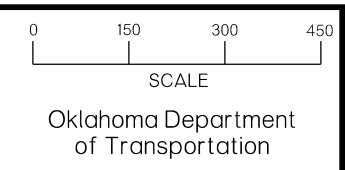
- WORK PACKAGE 3 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$60.6M)
1. CONTINUE WIDENING OF I-44 TO SIX LANES; EAST OF US-75 ONTO BRIDGE OVER ARKANSAS RIVER
  2. WIDEN AND REDECK I-44 OVER ARKANSAS RIVER BRIDGE
  3. CONSTRUCT I-44 BRIDGE OVER TSU RAILROAD
  4. CONTINUE WIDENING OF US-75 TO SIX LANES; SOUTH OF BRIDGE OVER MOOSER CREEK
  5. CONSTRUCT NB US-75 TO EB I-44 RAMP AND BRIDGE
  6. CONSTRUCT SKELLY DRIVE; EAST OF US-75
  7. COMPLETE US-75 FRONTAGE ROAD AND I-44 ACCESS ROAD



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LEGEND			
	WETLAND (FIELD IDENTIFIED)		UST/AST SITE
	EXISTING RIGHT-OF-WAY		POTENTIAL HAZARDOUS MATERIALS SITE
	PROPERTY LINE		LUST/LAST SITE
	DATA COLLECTION AREA		FLOODPLAIN ZONE AE
	STREAM FLOW LINE TRADE FLOW		FLOODWAY ZONE AE

CONSTRUCTION PROJECT LEGEND	
	COMPLETED CONSTRUCTION
	WORK PACKAGE 3
	REMOVALS



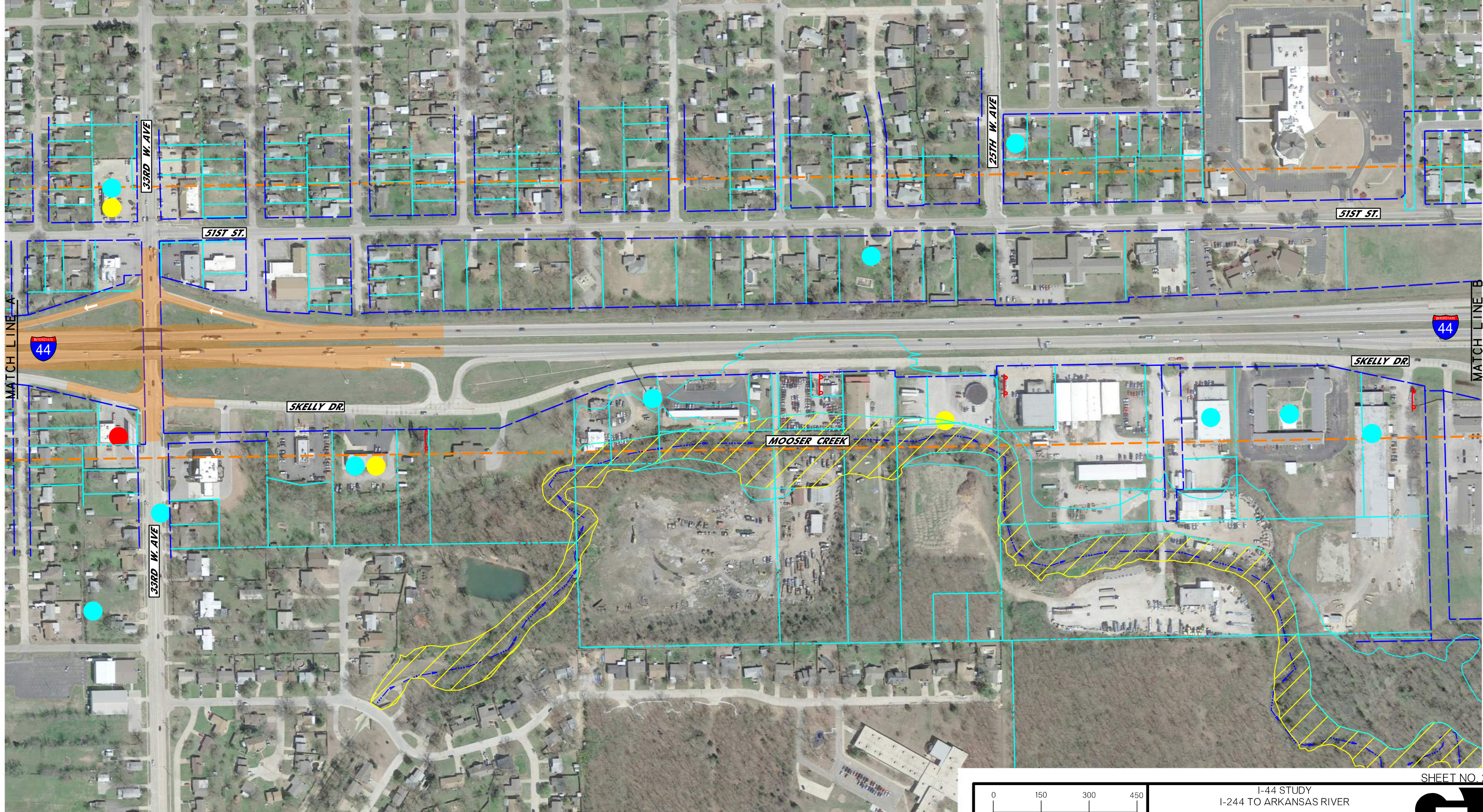
I-44 STUDY  
I-244 TO ARKANSAS RIVER

PREFERRED ALTERNATIVE  
CONSTRUCTION WORK PACKAGE 3  
(SHEET 1 OF 7)

SHEET NO. 20



- WORK PACKAGE 3 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$60.6M)
1. CONTINUE WIDENING OF I-44 TO SIX LANES; EAST OF US-75 ONTO BRIDGE OVER ARKANSAS RIVER
  2. WIDEN AND REDECK I-44 OVER ARKANSAS RIVER BRIDGE
  3. CONSTRUCT I-44 BRIDGE OVER TSU RAILROAD
  4. CONTINUE WIDENING OF US-75 TO SIX LANES; SOUTH OF BRIDGE OVER MOOSER CREEK
  5. CONSTRUCT NB US-75 TO EB I-44 RAMP AND BRIDGE
  6. CONSTRUCT SKELLY DRIVE; EAST OF US-75
  7. COMPLETE US-75 FRONTAGE ROAD AND I-44 ACCESS ROAD



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LEGEND			
	WETLAND (FIELD IDENTIFIED)		UST/AST SITE
	EXISTING RIGHT-OF-WAY		POTENTIAL HAZARDOUS MATERIALS SITE
	PROPERTY LINE		LUST/LAST SITE
	DATA COLLECTION AREA		FLOODPLAIN ZONE AE
	STREAM FLOWLINE		FLOODWAY ZONE AE
	TRADE FRICTION		

CONSTRUCTION PROJECT LEGEND	
	COMPLETED CONSTRUCTION
	WORK PACKAGE 3
	REMOVALS

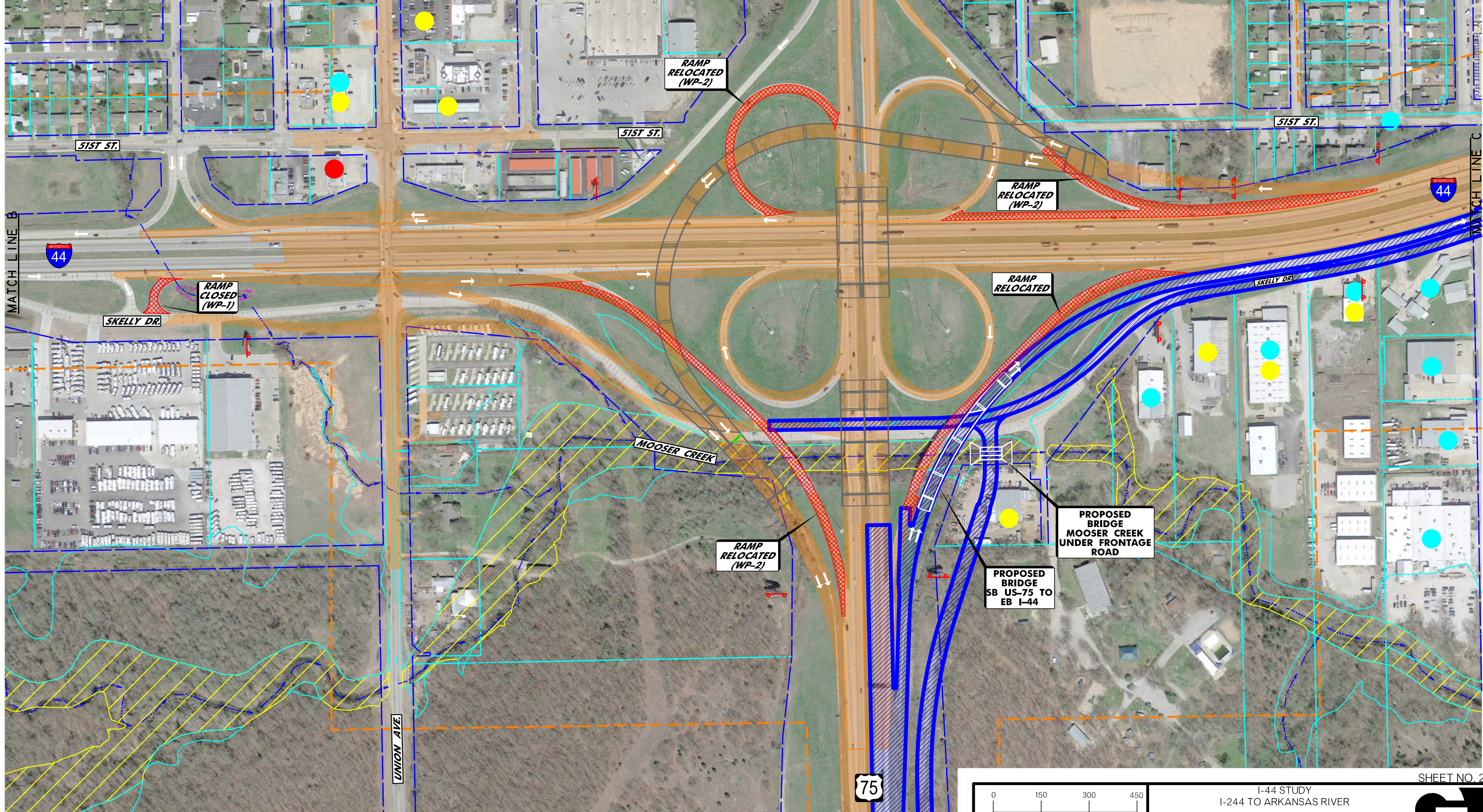
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Oklahoma Department of Transportation

I-44 STUDY  
I-244 TO ARKANSAS RIVER  
PREFERRED ALTERNATIVE  
CONSTRUCTION WORK PACKAGE 3  
(SHEET 2 OF 7)



SHEET NO. 21

- WORK PACKAGE 3 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$60.6M)
1. CONTINUE WIDENING OF I-44 TO SIX LANES; EAST OF US-75 ONTO BRIDGE OVER ARKANSAS RIVER
  2. WIDEN AND REDECK I-44 OVER ARKANSAS RIVER BRIDGE
  3. CONSTRUCT I-44 BRIDGE OVER TSU RAILROAD
  4. CONTINUE WIDENING OF US-75 TO SIX LANES; SOUTH OF BRIDGE OVER MOOSER CREEK
  5. CONSTRUCT NB US-75 TO EB I-44 RAMP AND BRIDGE
  6. CONSTRUCT SKELLY DRIVE; EAST OF US-75
  7. COMPLETE US-75 FRONTAGE ROAD AND I-44 ACCESS ROAD

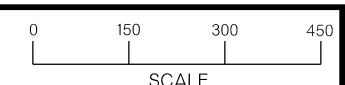


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LEGEND			
	WETLAND (FIELD IDENTIFIED)		UST/AST SITE
	EXISTING RIGHT-OF-WAY		POTENTIAL HAZARDOUS MATERIALS SITE
	PROPERTY LINE		LUST/LAST SITE
	DATA COLLECTION AREA		FLOODPLAIN ZONE AE
	STREAM FLOWLINE		FLOODWAY ZONE AE
	TRADE FRICTION		

CONSTRUCTION PROJECT LEGEND	
	COMPLETED CONSTRUCTION
	REMOVALS
	WORK PACKAGE 3



Oklahoma Department of Transportation

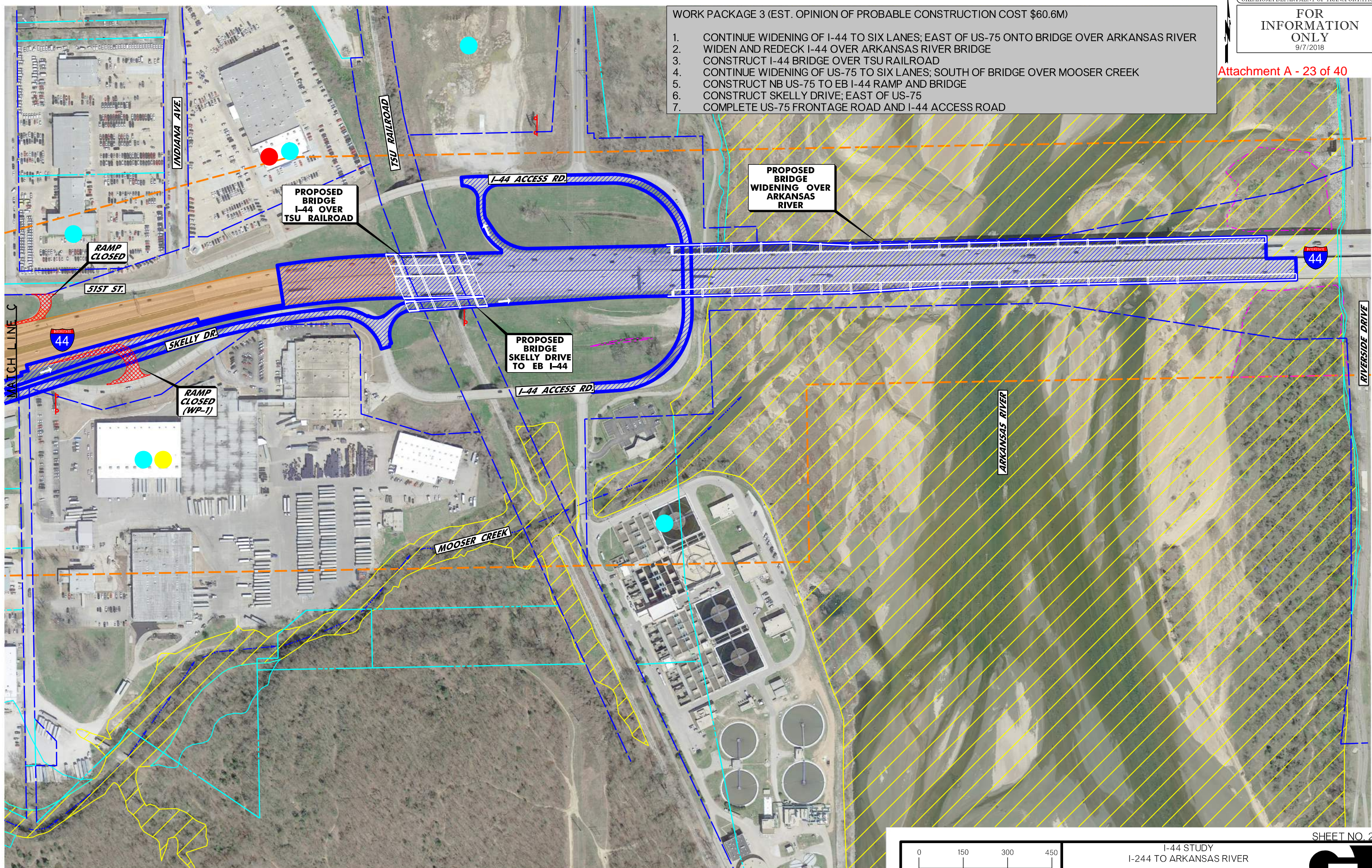
I-44 STUDY  
I-244 TO ARKANSAS RIVER  
PREFERRED ALTERNATIVE  
CONSTRUCTION WORK PACKAGE 3  
(SHEET 3 OF 7)

SHEET NO. 22



WORK PACKAGE 3 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$60.6M)

1. CONTINUE WIDENING OF I-44 TO SIX LANES; EAST OF US-75 ONTO BRIDGE OVER ARKANSAS RIVER
2. WIDEN AND REDECK I-44 OVER ARKANSAS RIVER BRIDGE
3. CONSTRUCT I-44 BRIDGE OVER TSU RAILROAD
4. CONTINUE WIDENING OF US-75 TO SIX LANES; SOUTH OF BRIDGE OVER MOOSER CREEK
5. CONSTRUCT NB US-75 TO EB I-44 RAMP AND BRIDGE
6. CONSTRUCT SKELLY DRIVE; EAST OF US-75
7. COMPLETE US-75 FRONTAGE ROAD AND I-44 ACCESS ROAD



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LEGEND			
	WETLAND (FIELD IDENTIFIED)		DATA COLLECTION AREA
	EXISTING RIGHT-OF-WAY		STREAM FLOW LINE TRADE FRICTION
	PROPERTY LINE		FLOODWAY ZONE AE
	UST/AST SITE		POTENTIAL HAZARDOUS MATERIALS SITE
	LUST/LAST SITE		POTENTIAL HAZARDOUS MATERIALS SITE

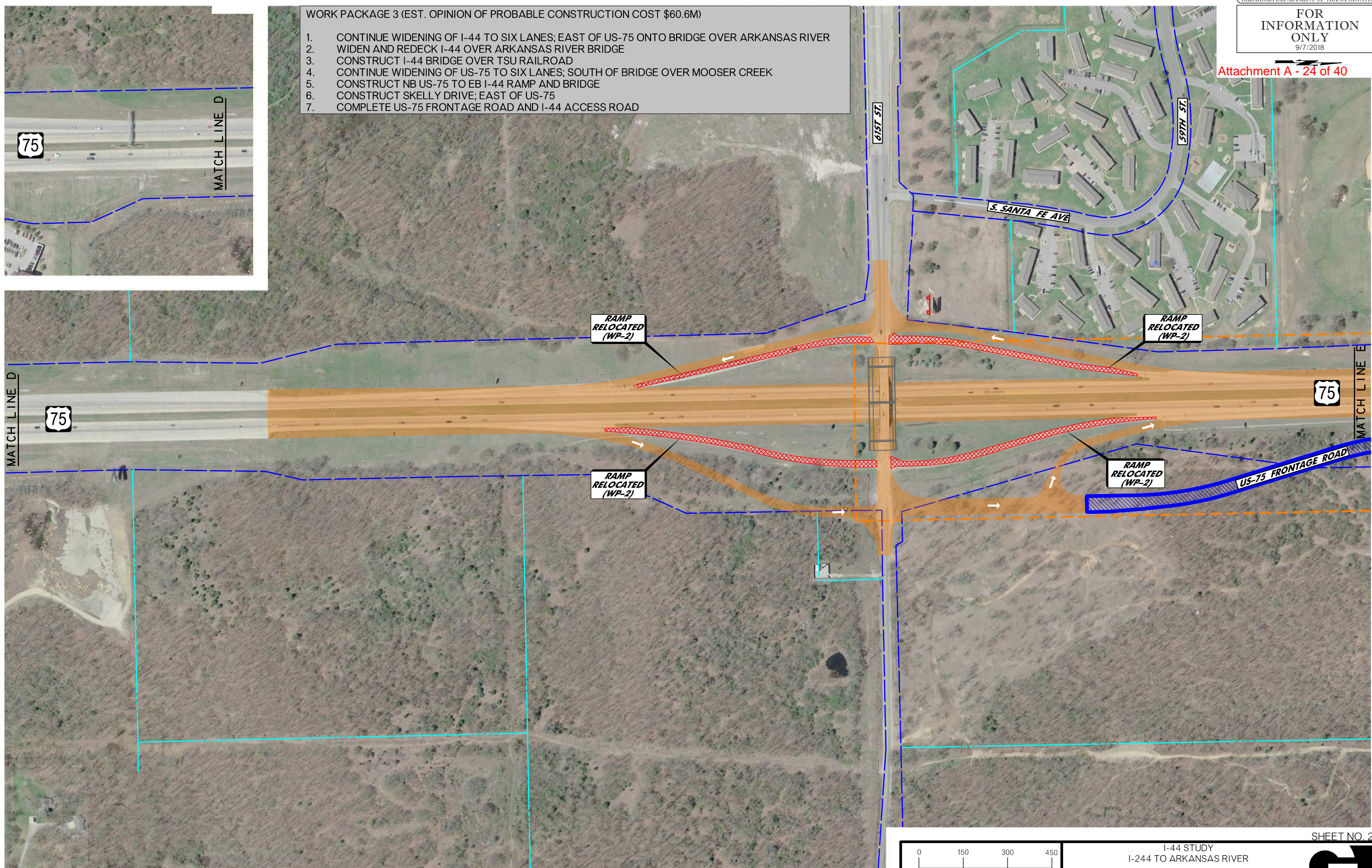
CONSTRUCTION PROJECT LEGEND	
	COMPLETED CONSTRUCTION
	WORK PACKAGE 3
	REMOVALS

0 150 300 450  
SCALE  
Oklahoma Department of Transportation

I-44 STUDY  
I-244 TO ARKANSAS RIVER  
PREFERRED ALTERNATIVE  
CONSTRUCTION WORK PACKAGE 3  
(SHEET 4 OF 7)

SHEET NO. 23

- WORK PACKAGE 3 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$60.6M)**
1. CONTINUE WIDENING OF I-44 TO SIX LANES; EAST OF US-75 ONTO BRIDGE OVER ARKANSAS RIVER
  2. WIDEN AND REDECK I-44 OVER ARKANSAS RIVER BRIDGE
  3. CONSTRUCT I-44 BRIDGE OVER TSU RAILROAD
  4. CONTINUE WIDENING OF US-75 TO SIX LANES; SOUTH OF BRIDGE OVER MOOSER CREEK
  5. CONSTRUCT NB US-75 TO EB I-44 RAMP AND BRIDGE
  6. CONSTRUCT SKELLY DRIVE; EAST OF US-75
  7. COMPLETE US-75 FRONTAGE ROAD AND I-44 ACCESS ROAD



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LEGEND			
	WETLAND (FIELD IDENTIFIED)		UST/AST SITE
	EXISTING RIGHT-OF-WAY		POTENTIAL HAZARDOUS MATERIALS SITE
	PROPERTY LINE		LUST/LAST SITE
	DATA COLLECTION AREA		FLOODPLAIN ZONE AE
	STREAM FLOWLINE TRADE FICTURE		FLOODWAY ZONE AE

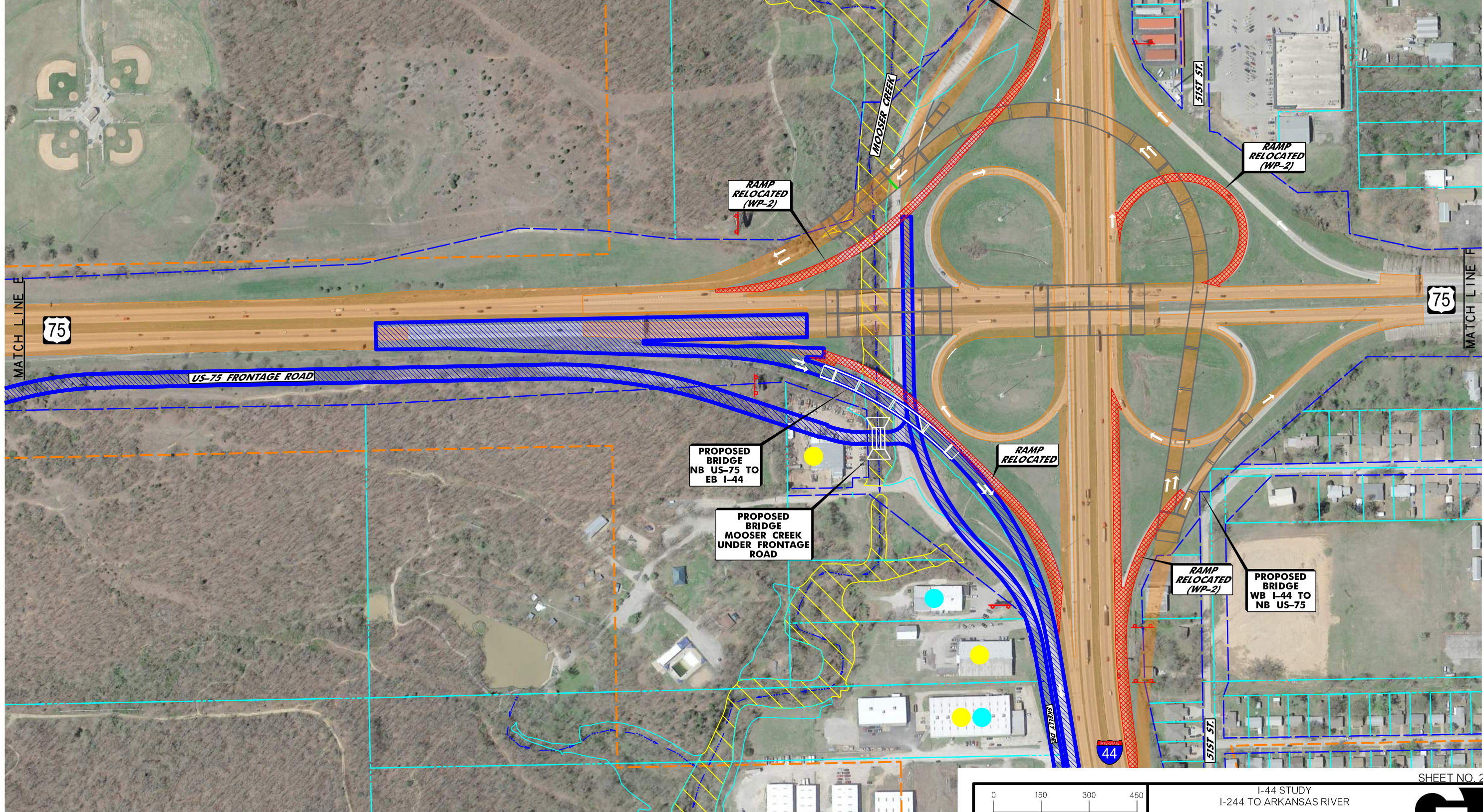
CONSTRUCTION PROJECT LEGEND	
	COMPLETED CONSTRUCTION
	WORK PACKAGE 3
	REMOVALS

0 150 300 450  
 SCALE  
 Oklahoma Department of Transportation

I-44 STUDY  
 I-244 TO ARKANSAS RIVER  
 PREFERRED ALTERNATIVE  
 CONSTRUCTION WORK PACKAGE 3  
 (SHEET 5 OF 7)

SHEET NO. 24

- WORK PACKAGE 3 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$60.6M)
1. CONTINUE WIDENING OF I-44 TO SIX LANES; EAST OF US-75 ONTO BRIDGE OVER ARKANSAS RIVER
  2. WIDEN AND REDECK I-44 OVER ARKANSAS RIVER BRIDGE
  3. CONSTRUCT I-44 BRIDGE OVER TSU RAILROAD
  4. CONTINUE WIDENING OF US-75 TO SIX LANES; SOUTH OF BRIDGE OVER MOOSER CREEK
  5. CONSTRUCT NB US-75 TO EB I-44 RAMP AND BRIDGE
  6. CONSTRUCT SKELLY DRIVE; EAST OF US-75
  7. COMPLETE US-75 FRONTAGE ROAD AND I-44 ACCESS ROAD



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LEGEND			
	WETLAND (FIELD IDENTIFIED)		UST/AST SITE
	EXISTING RIGHT-OF-WAY		POTENTIAL HAZARDOUS MATERIALS SITE
	PROPERTY LINE		LUST/LAST SITE
	DATA COLLECTION AREA		STREAM FLOW LINE
	TRADE FIXTURE		FLOODPLAIN ZONE AE
			FLOODWAY ZONE AE

CONSTRUCTION PROJECT LEGEND	
	COMPLETED CONSTRUCTION
	REMOVALS
	WORK PACKAGE 3

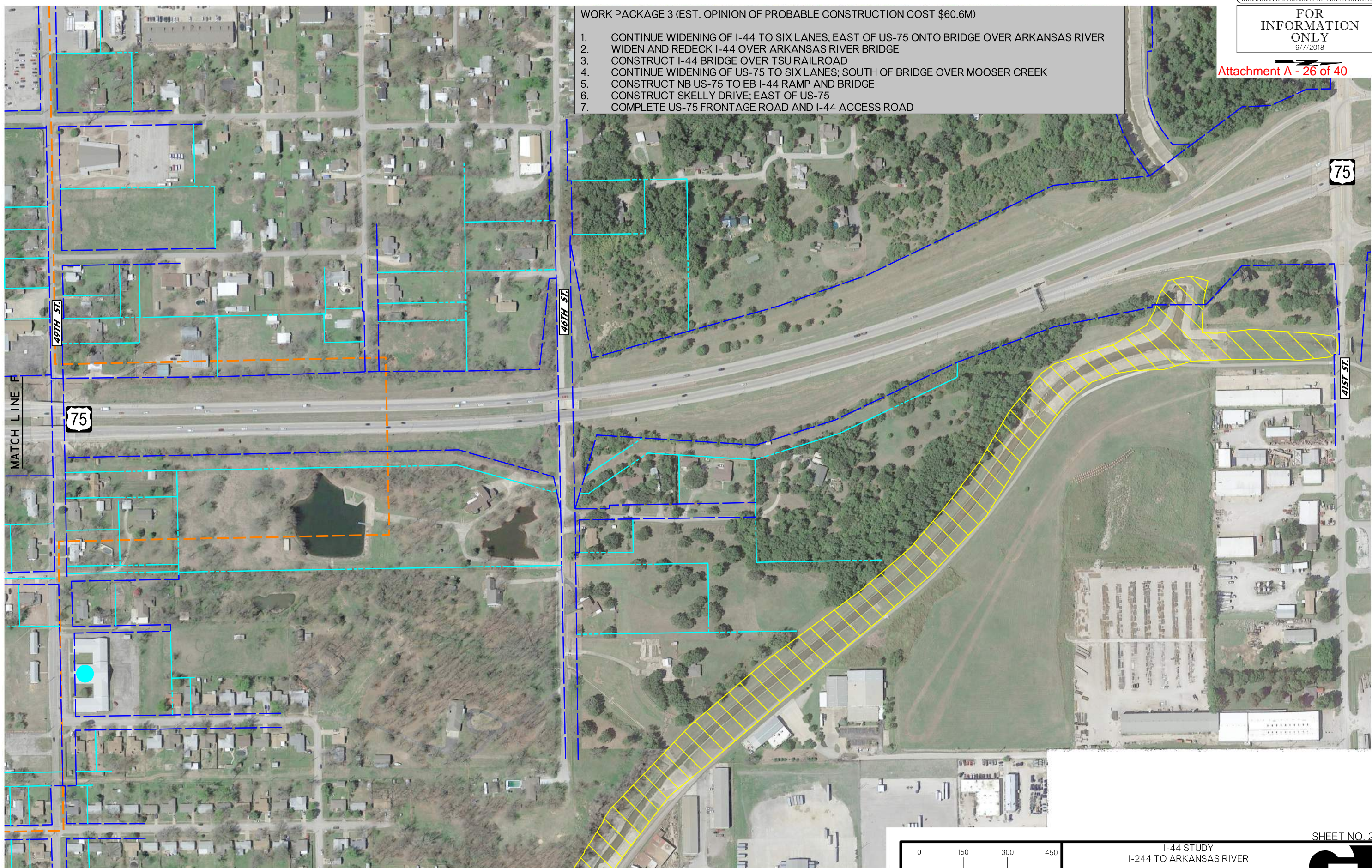
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SCALE  
Oklahoma Department of Transportation

I-44 STUDY  
I-244 TO ARKANSAS RIVER  
PREFERRED ALTERNATIVE  
CONSTRUCTION WORK PACKAGE 3  
(SHEET 6 OF 7)

SHEET NO. 25



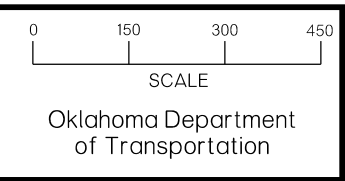
- WORK PACKAGE 3 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$60.6M)
1. CONTINUE WIDENING OF I-44 TO SIX LANES; EAST OF US-75 ONTO BRIDGE OVER ARKANSAS RIVER
  2. WIDEN AND REDECK I-44 OVER ARKANSAS RIVER BRIDGE
  3. CONSTRUCT I-44 BRIDGE OVER TSU RAILROAD
  4. CONTINUE WIDENING OF US-75 TO SIX LANES; SOUTH OF BRIDGE OVER MOOSER CREEK
  5. CONSTRUCT NB US-75 TO EB I-44 RAMP AND BRIDGE
  6. CONSTRUCT SKELLY DRIVE; EAST OF US-75
  7. COMPLETE US-75 FRONTAGE ROAD AND I-44 ACCESS ROAD



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LEGEND			
	WETLAND (FIELD IDENTIFIED)		UST/AST SITE
	EXISTING RIGHT-OF-WAY		POTENTIAL HAZARDOUS MATERIALS SITE
	PROPERTY LINE		LUST/LAST SITE
	DATA COLLECTION AREA		STREAM FLOWLINE TRADE FICTURE
	STREAM FLOWLINE TRADE FICTURE		FLOODPLAIN ZONE AE
	FLOODWAY ZONE AE		

CONSTRUCTION PROJECT LEGEND	
	COMPLETED CONSTRUCTION
	REMOVALS
	WORK PACKAGE 3



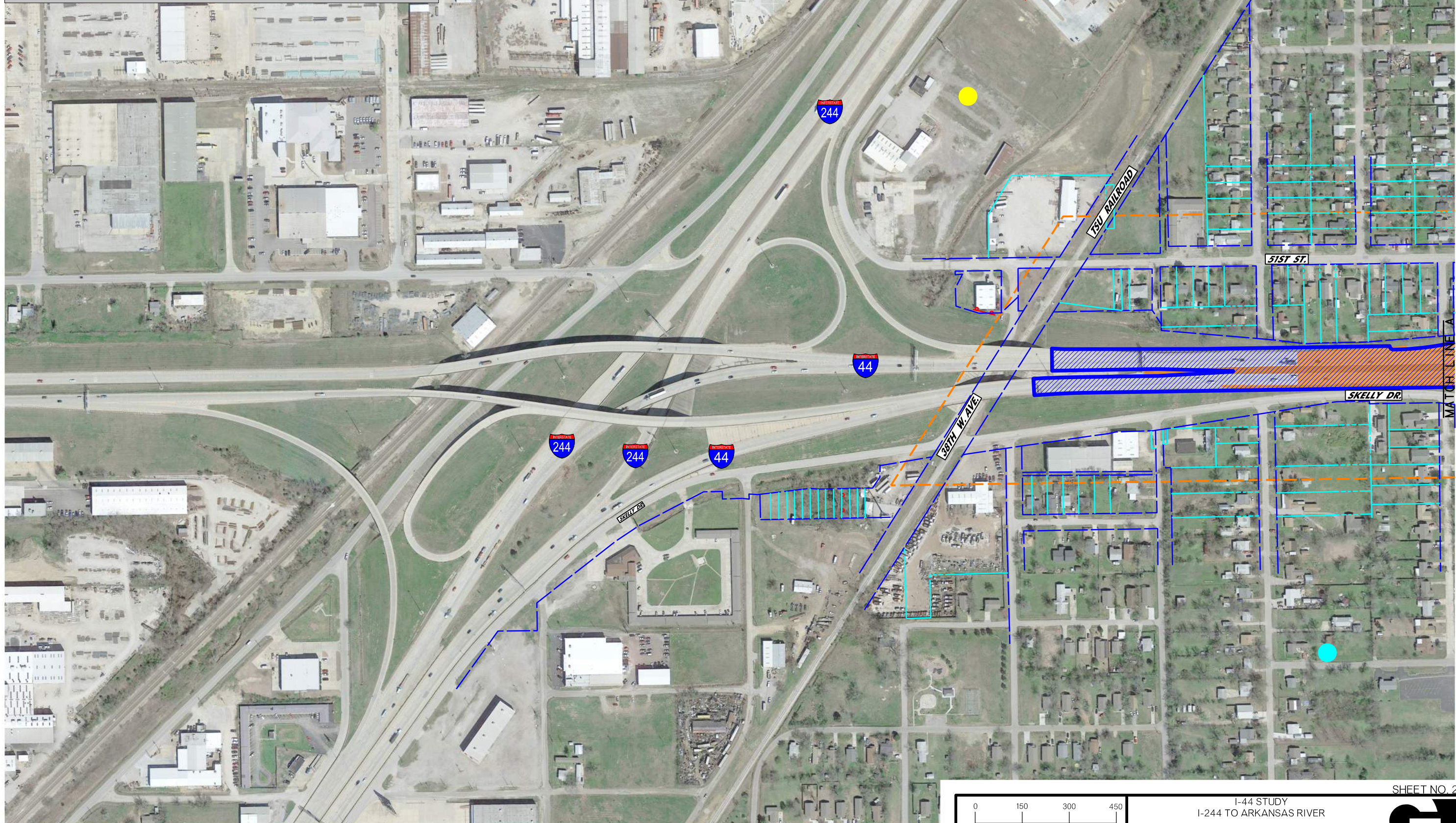
I-44 STUDY  
I-244 TO ARKANSAS RIVER

PREFERRED ALTERNATIVE  
CONSTRUCTION WORK PACKAGE 3  
(SHEET 7 OF 7)

SHEET NO. 26

WORK PACKAGE 4 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$35.2M)

1. COMPLETE WIDENING OF I-44 TO SIX LANES; FROM I-244 TO UNION AVE.
2. CONSTRUCT NB US-75 TO WB I-44 RAMP AND BRIDGE
3. CONSTRUCT I-44 RAMPS WEST OF UNION AVENUE
4. RECONSTRUCT PORTION OF SB US-75 TO WB I-44 RAMP
5. COMPLETE SKELLY DRIVE



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LEGEND			
	WETLAND (FIELD IDENTIFIED)		UST/AST SITE POTENTIAL HAZARDOUS
	EXISTING RIGHT-OF-WAY		MATERIALS SITE
	PROPERTY LINE		LUST/LAST SITE
	DATA COLLECTION AREA		STREAM FLOWLINE TRADE FICTURE
	FLOODPLAIN ZONE AE		FLOODWAY ZONE AE

CONSTRUCTION PROJECT LEGEND	
	COMPLETED CONSTRUCTION
	WORK PACKAGE 4
	REMOVALS

0 150 300 450  
SCALE  
Oklahoma Department of Transportation

I-44 STUDY  
I-244 TO ARKANSAS RIVER  
PREFERRED ALTERNATIVE  
CONSTRUCTION WORK PACKAGE 4  
(SHEET 1 OF 7)

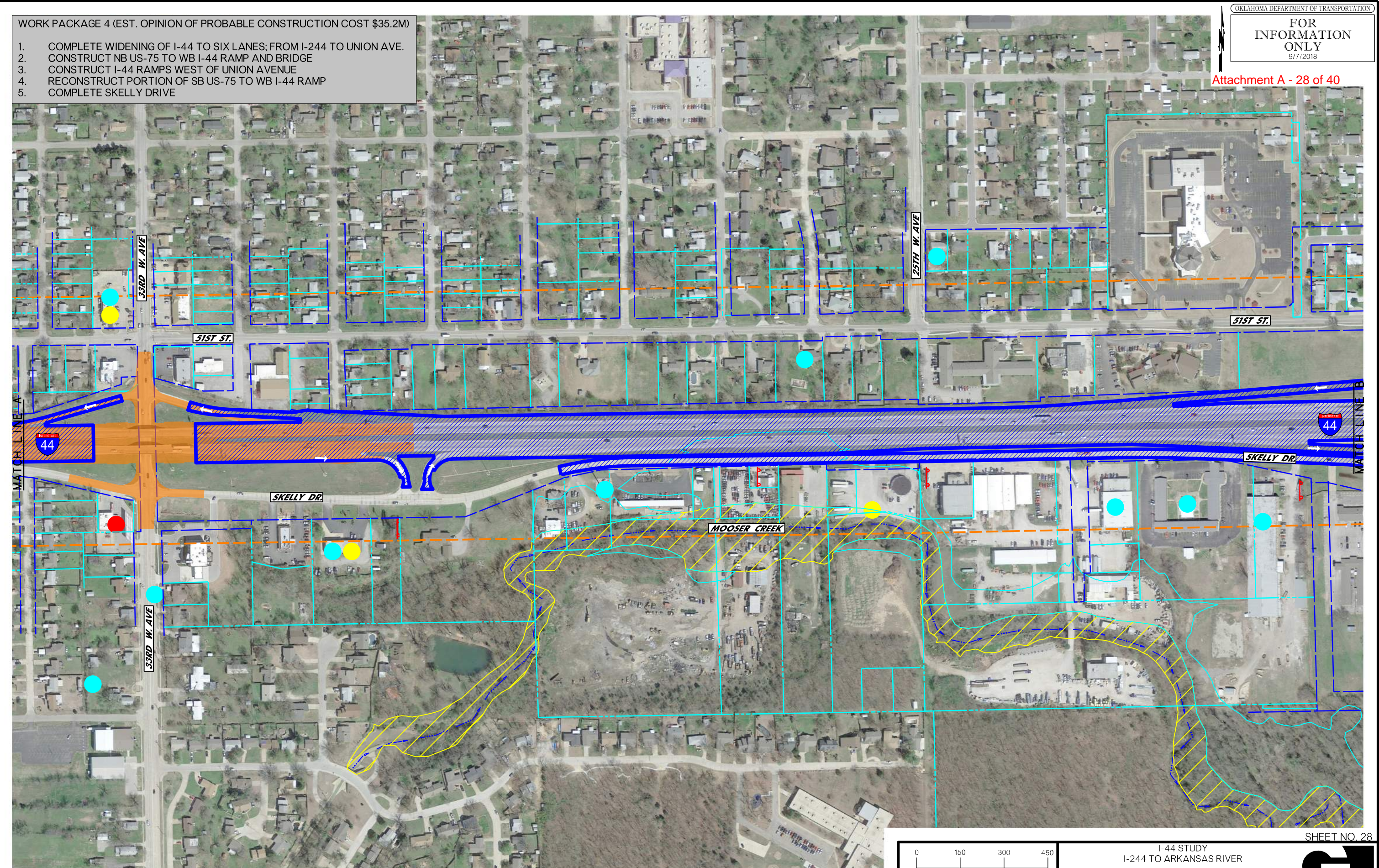


**WORK PACKAGE 4 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$35.2M)**

1. COMPLETE WIDENING OF I-44 TO SIX LANES; FROM I-244 TO UNION AVE.
2. CONSTRUCT NB US-75 TO WB I-44 RAMP AND BRIDGE
3. CONSTRUCT I-44 RAMPS WEST OF UNION AVENUE
4. RECONSTRUCT PORTION OF SB US-75 TO WB I-44 RAMP
5. COMPLETE SKELLY DRIVE

Attachment A - 28 of 40

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LEGEND		
	WETLAND (FIELD IDENTIFIED)	
	EXISTING RIGHT-OF-WAY	
	PROPERTY LINE	
	DATA COLLECTION AREA	
	STREAM FLOW LINE	
	TRAFFIC FIXTURE	
	FLOODPLAIN ZONE AE	
	FLOODWAY ZONE AE	
	UST/AST SITE	
	POTENTIAL HAZARDOUS MATERIALS SITE	
	LUST/LAST SITE	

CONSTRUCTION PROJECT LEGEND	
	COMPLETED CONSTRUCTION
	REMOVALS
	WORK PACKAGE 4

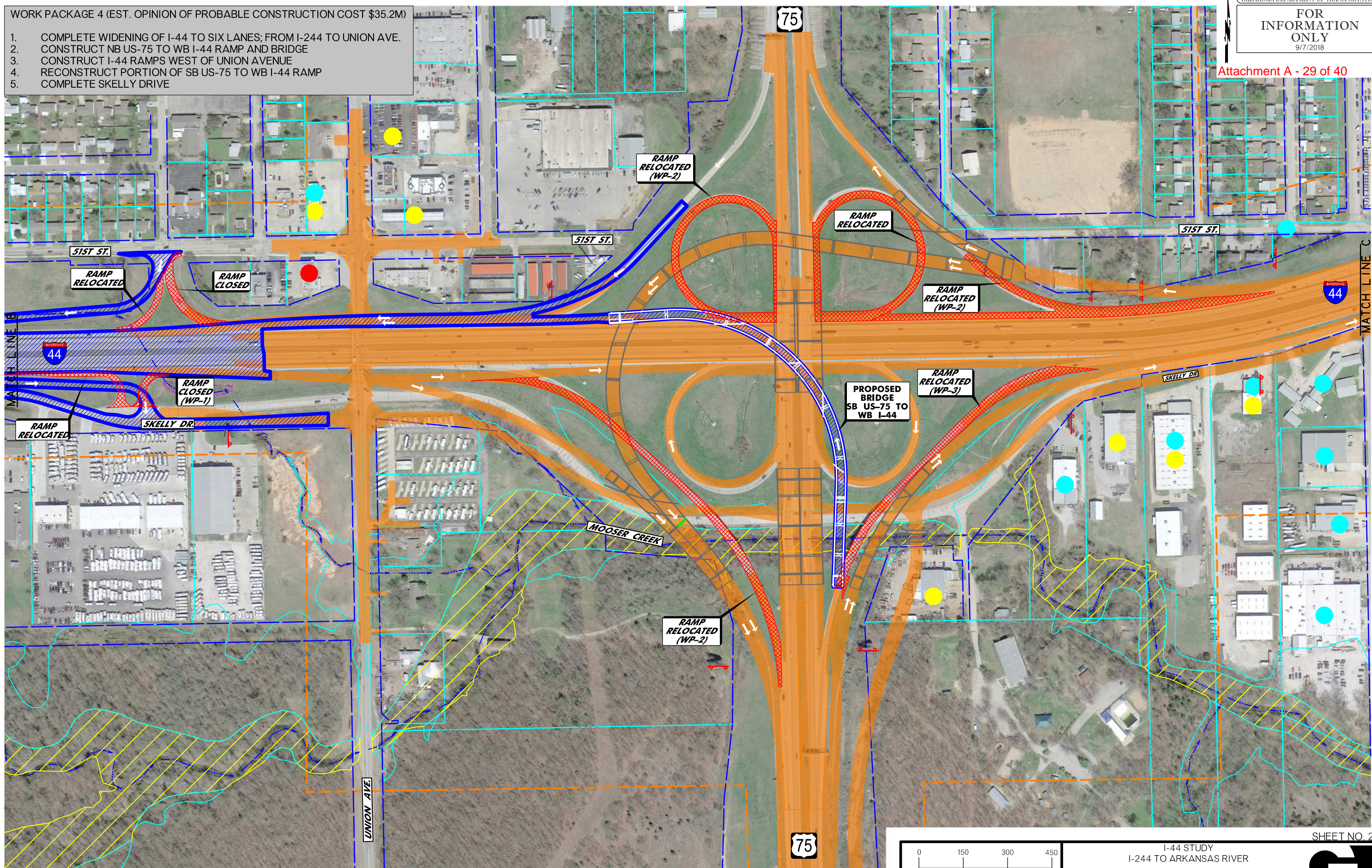
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 SCALE  
 Oklahoma Department of Transportation

I-44 STUDY  
 I-244 TO ARKANSAS RIVER  
 PREFERRED ALTERNATIVE  
 CONSTRUCTION WORK PACKAGE 4  
 (SHEET 2 OF 7)

SHEET NO. 28



- WORK PACKAGE 4 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$35.2M)**
1. COMPLETE WIDENING OF I-44 TO SIX LANES; FROM I-244 TO UNION AVE.
  2. CONSTRUCT NB US-75 TO WB I-44 RAMP AND BRIDGE
  3. CONSTRUCT I-44 RAMPS WEST OF UNION AVENUE
  4. RECONSTRUCT PORTION OF SB US-75 TO WB I-44 RAMP
  5. COMPLETE SKELLY DRIVE



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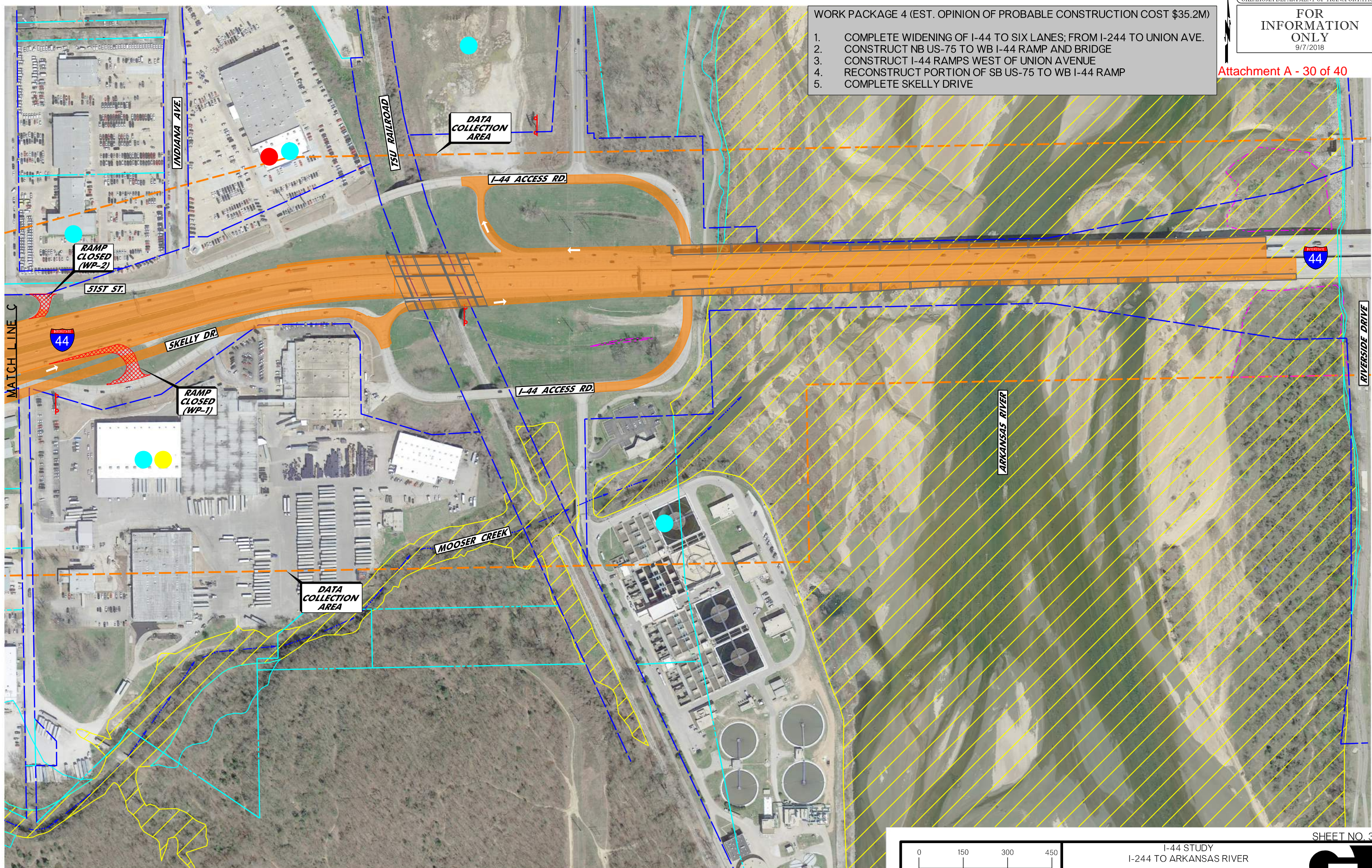
LEGEND			
	WETLAND (FIELD IDENTIFIED)		UST/AST SITE POTENTIAL HAZARDOUS
	EXISTING RIGHT-OF-WAY		MATERIALS SITE
	PROPERTY LINE		LUST/LAST SITE
	DATA COLLECTION AREA		STREAM FLOWLINE TRADE FICTURE
	STREAM FLOWLINE TRADE FICTURE		FLOODPLAIN ZONE AE
	PROPERTY LINE		FLOODWAY ZONE AE

CONSTRUCTION PROJECT LEGEND	
	COMPLETED CONSTRUCTION
	WORK PACKAGE 4
	REMOVALS

0 150 300 450  
 SCALE  
 Oklahoma Department of Transportation

I-44 STUDY  
 I-244 TO ARKANSAS RIVER  
 PREFERRED ALTERNATIVE  
 CONSTRUCTION WORK PACKAGE 4  
 (SHEET 3 OF 7)

- WORK PACKAGE 4 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$35.2M)
1. COMPLETE WIDENING OF I-44 TO SIX LANES; FROM I-244 TO UNION AVE.
  2. CONSTRUCT NB US-75 TO WB I-44 RAMP AND BRIDGE
  3. CONSTRUCT I-44 RAMPS WEST OF UNION AVENUE
  4. RECONSTRUCT PORTION OF SB US-75 TO WB I-44 RAMP
  5. COMPLETE SKELLY DRIVE



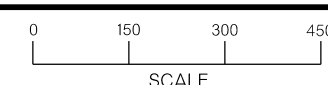
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LEGEND

WETLAND (IF FIELD IDENTIFIED)	DATA COLLECTION AREA	UST/AST SITE POTENTIAL HAZARDOUS	FLOODPLAIN ZONE AE
EXISTING RIGHT-OF-WAY	STREAM FLOW LINE TRADE FICTURE	MATERIALS SITE	FLOODWAY ZONE AE
PROPERTY LINE		LUST/LAST SITE	

CONSTRUCTION PROJECT LEGEND

COMPLETED CONSTRUCTION	REMOVALS
WORK PACKAGE 4	



Oklahoma Department of Transportation

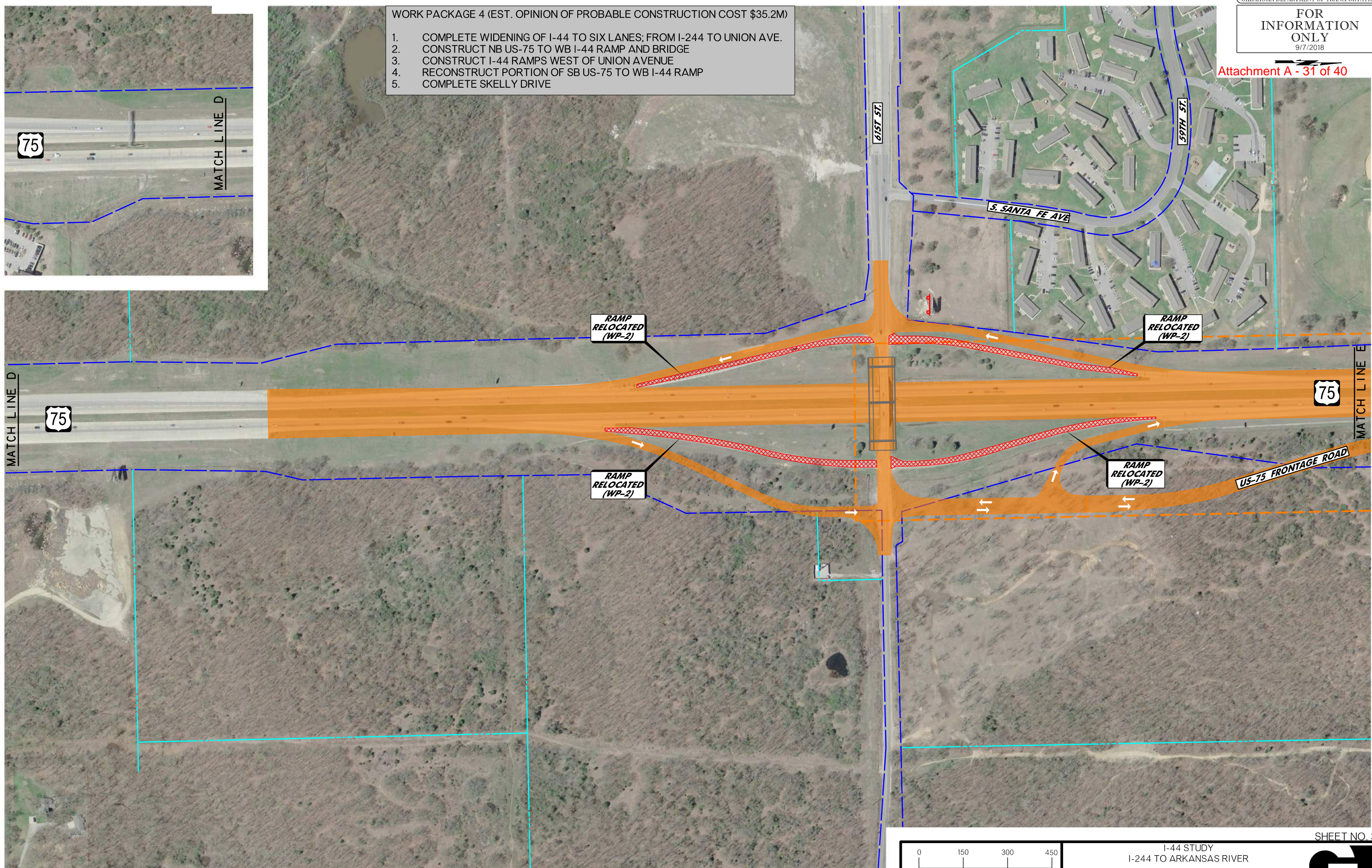
I-44 STUDY  
I-244 TO ARKANSAS RIVER

PREFERRED ALTERNATIVE  
CONSTRUCTION WORK PACKAGE 4  
(SHEET 4 OF 7)



**WORK PACKAGE 4 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$35.2M)**

1. COMPLETE WIDENING OF I-44 TO SIX LANES; FROM I-244 TO UNION AVE.
2. CONSTRUCT NB US-75 TO WB I-44 RAMP AND BRIDGE
3. CONSTRUCT I-44 RAMP WEST OF UNION AVENUE
4. RECONSTRUCT PORTION OF SB US-75 TO WB I-44 RAMP
5. COMPLETE SKELLY DRIVE



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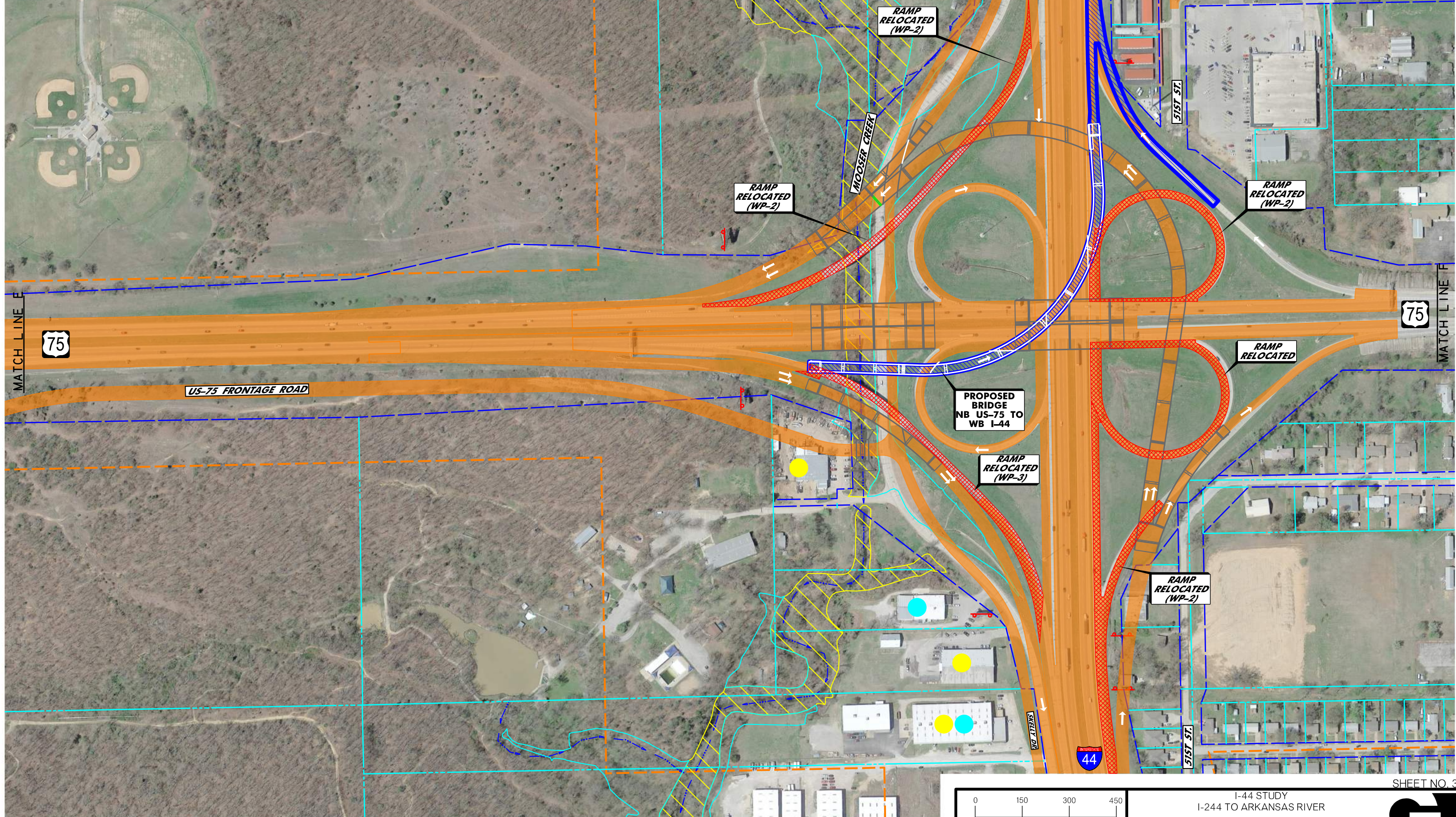
LEGEND			
	WETLAND (FIELD IDENTIFIED)		UST/AST SITE
	EXISTING RIGHT-OF-WAY		POTENTIAL HAZARDOUS MATERIALS SITE
	PROPERTY LINE		LUST/LAST SITE
	DATA COLLECTION AREA		FLOODPLAIN ZONE AE
	STREAM FLOWLINE TRADE FRIXTURE		FLOODWAY ZONE AE

CONSTRUCTION PROJECT LEGEND	
	COMPLETED CONSTRUCTION
	WORK PACKAGE 4
	REMOVALS

0 150 300 450  
 SCALE  
 Oklahoma Department of Transportation

I-44 STUDY  
 I-244 TO ARKANSAS RIVER  
 PREFERRED ALTERNATIVE  
 CONSTRUCTION WORK PACKAGE 4  
 (SHEET 5 OF 7)

- WORK PACKAGE 4 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$35.2M)
1. COMPLETE WIDENING OF I-44 TO SIX LANES; FROM I-244 TO UNION AVE.
  2. CONSTRUCT NB US-75 TO WB I-44 RAMP AND BRIDGE
  3. CONSTRUCT I-44 RAMPS WEST OF UNION AVENUE
  4. RECONSTRUCT PORTION OF SB US-75 TO WB I-44 RAMP
  5. COMPLETE SKELLY DRIVE



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LEGEND			
	WETLAND (FIELD IDENTIFIED)		UST/AST SITE
	EXISTING RIGHT-OF-WAY		POTENTIAL HAZARDOUS MATERIALS SITE
	PROPERTY LINE		LUST/LAST SITE
	DATA COLLECTION AREA		STREAM FLOWLINE
	TRADE FLOWLINE		FLOODWAY ZONE AE
	TRADE FLOWLINE		FLOODPLAIN ZONE AE

CONSTRUCTION PROJECT LEGEND	
	COMPLETED CONSTRUCTION
	WORK PACKAGE 4
	REMOVALS

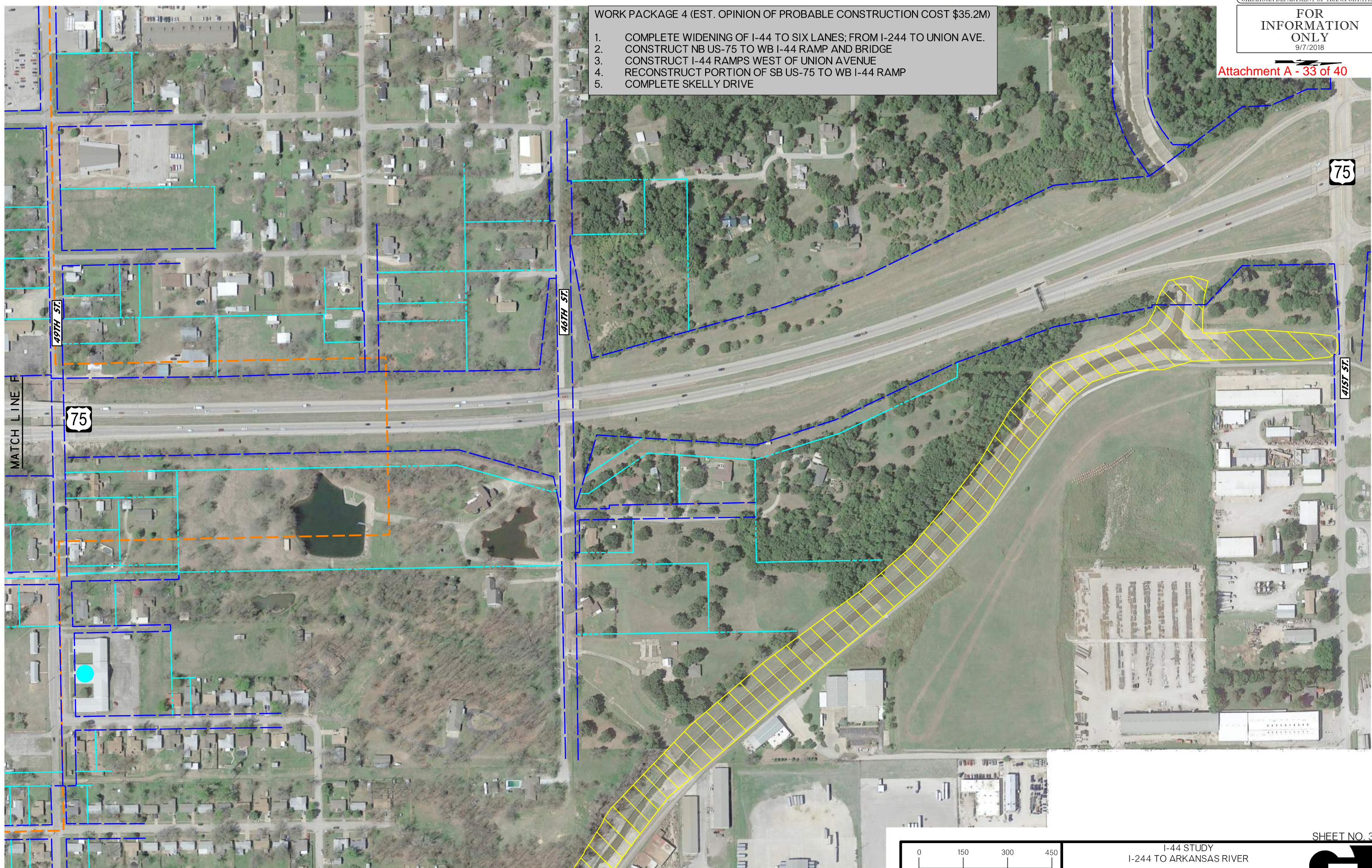
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SCALE  
Oklahoma Department of Transportation

I-44 STUDY  
I-244 TO ARKANSAS RIVER  
PREFERRED ALTERNATIVE  
CONSTRUCTION WORK PACKAGE 4  
(SHEET 6 OF 7)

SHEET NO. 32

WORK PACKAGE 4 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$35.2M)

1. COMPLETE WIDENING OF I-44 TO SIX LANES; FROM I-244 TO UNION AVE.
2. CONSTRUCT NB US-75 TO WB I-44 RAMP AND BRIDGE
3. CONSTRUCT I-44 RAMPS WEST OF UNION AVENUE
4. RECONSTRUCT PORTION OF SB US-75 TO WB I-44 RAMP
5. COMPLETE SKELLY DRIVE

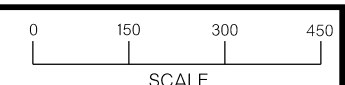


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MATCH LINE F

LEGEND			
	WETLAND (FIELD IDENTIFIED)		UST/AST SITE
	EXISTING RIGHT-OF-WAY		POTENTIAL HAZARDOUS MATERIALS SITE
	PROPERTY LINE		LUST/LAST SITE
	DATA COLLECTION AREA		STREAM FLOWLINE TRADE FICTURE
	STREAM FLOWLINE TRADE FICTURE		FLOODPLAIN ZONE AE
	FLOODWAY ZONE AE		

CONSTRUCTION PROJECT LEGEND	
	COMPLETED CONSTRUCTION
	REMOVALS
	WORK PACKAGE 4

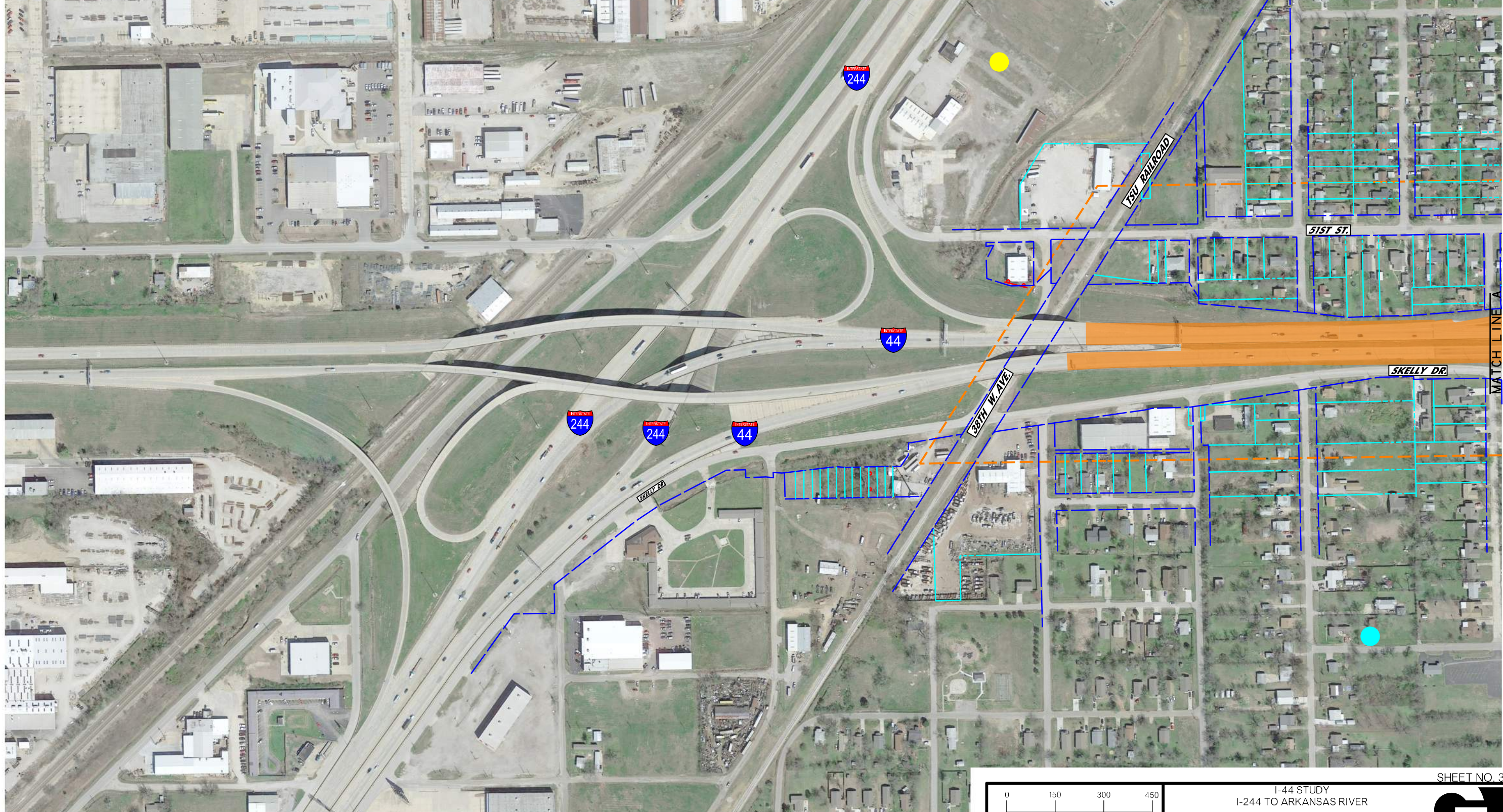


Oklahoma Department of Transportation

I-44 STUDY  
I-244 TO ARKANSAS RIVER  
PREFERRED ALTERNATIVE  
CONSTRUCTION WORK PACKAGE 4  
(SHEET 7 OF 7)



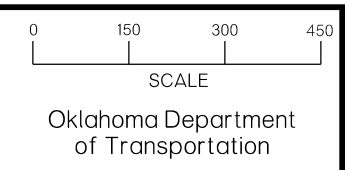
- WORK PACKAGE 5 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$46.1M)
1. COMPLETE WIDENING OF US-75 TO SIX LANES: FROM 41ST STREET TO 51ST STREET
  2. CONSTRUCT US-75 BRIDGE OVER 51ST STREET
  3. CONSTRUCT SB US-75 TO WB RAMP AND BRIDGE
  4. CONSTRUCT EB I-44 RAMP AND BRIDGE
  5. COMPLETE EB I-44 TO NB US-75 RAMP
  6. CONSTRUCT WB I-44 TO NB US-75 RAMP
  7. COMPLETE 51ST STREET AND 46TH STREET
  8. REMOVAL OF EXISTING 49TH STREET BRIDGES



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LEGEND		
	WETLAND (FIELD IDENTIFIED)	
	EXISTING RIGHT-OF-WAY	
	PROPERTY LINE	
	DATA COLLECTION AREA	
	STREAM FLOW LINE	
	TRAFFIC MIXTURE	
	FLOODPLAIN ZONE AE	
	FLOODWAY ZONE AE	
	UST/AST SITE	
	POTENTIAL HAZARDOUS MATERIALS SITE	
	LUST/LAST SITE	

CONSTRUCTION PROJECT LEGEND	
	COMPLETED CONSTRUCTION
	WORK PACKAGE 5
	REMOVALS

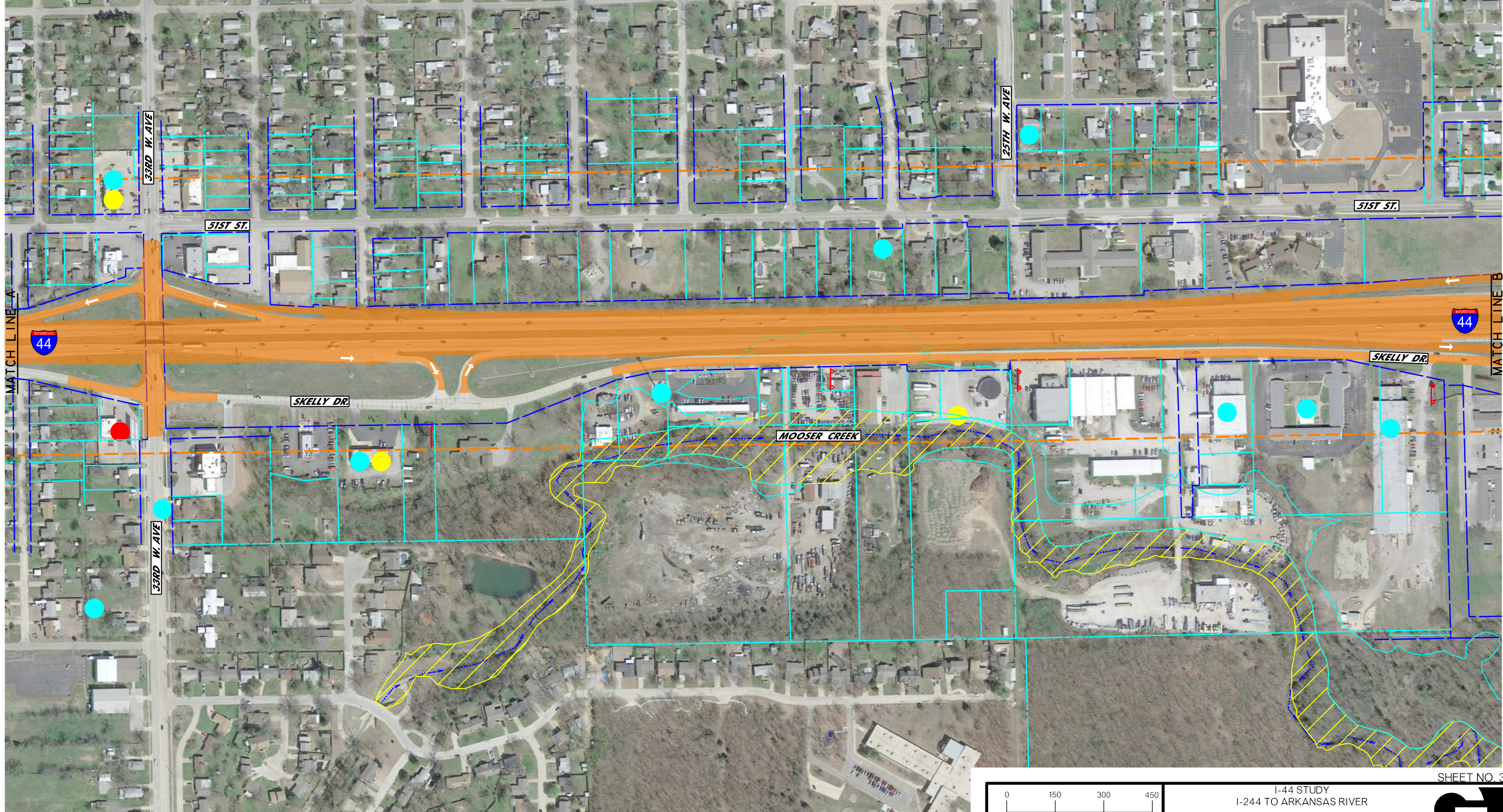


I-44 STUDY  
I-244 TO ARKANSAS RIVER

PREFERRED ALTERNATIVE  
CONSTRUCTION WORK PACKAGE 5  
(SHEET 1 OF 7)

SHEET NO. 34

- WORK PACKAGE 5 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$46.1M)
1. COMPLETE WIDENING OF US-75 TO SIX LANES: FROM 41ST STREET TO 51ST STREET
  2. CONSTRUCT US-75 BRIDGE OVER 51ST STREET
  3. CONSTRUCT SB US-75 TO WB RAMP AND BRIDGE
  4. CONSTRUCT EB I-44 RAMP AND BRIDGE
  5. COMPLETE EB I-44 TO NB US-75 RAMP
  6. CONSTRUCT WB I-44 TO NB US-75 RAMP
  7. COMPLETE 51ST STREET AND 46TH STREET
  8. REMOVAL OF EXISTING 49TH STREET BRIDGES



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LEGEND			
	WETLAND (FIELD IDENTIFIED)		UST/AST SITE
	EXISTING RIGHT-OF-WAY		POTENTIAL HAZARDOUS MATERIALS SITE
	PROPERTY LINE		LUST/LAST SITE
	DATA COLLECTION AREA		FLOODPLAIN ZONE AE
	STREAM FLOWLINE		FLOODWAY ZONE AE
	TRADE FRICTION		

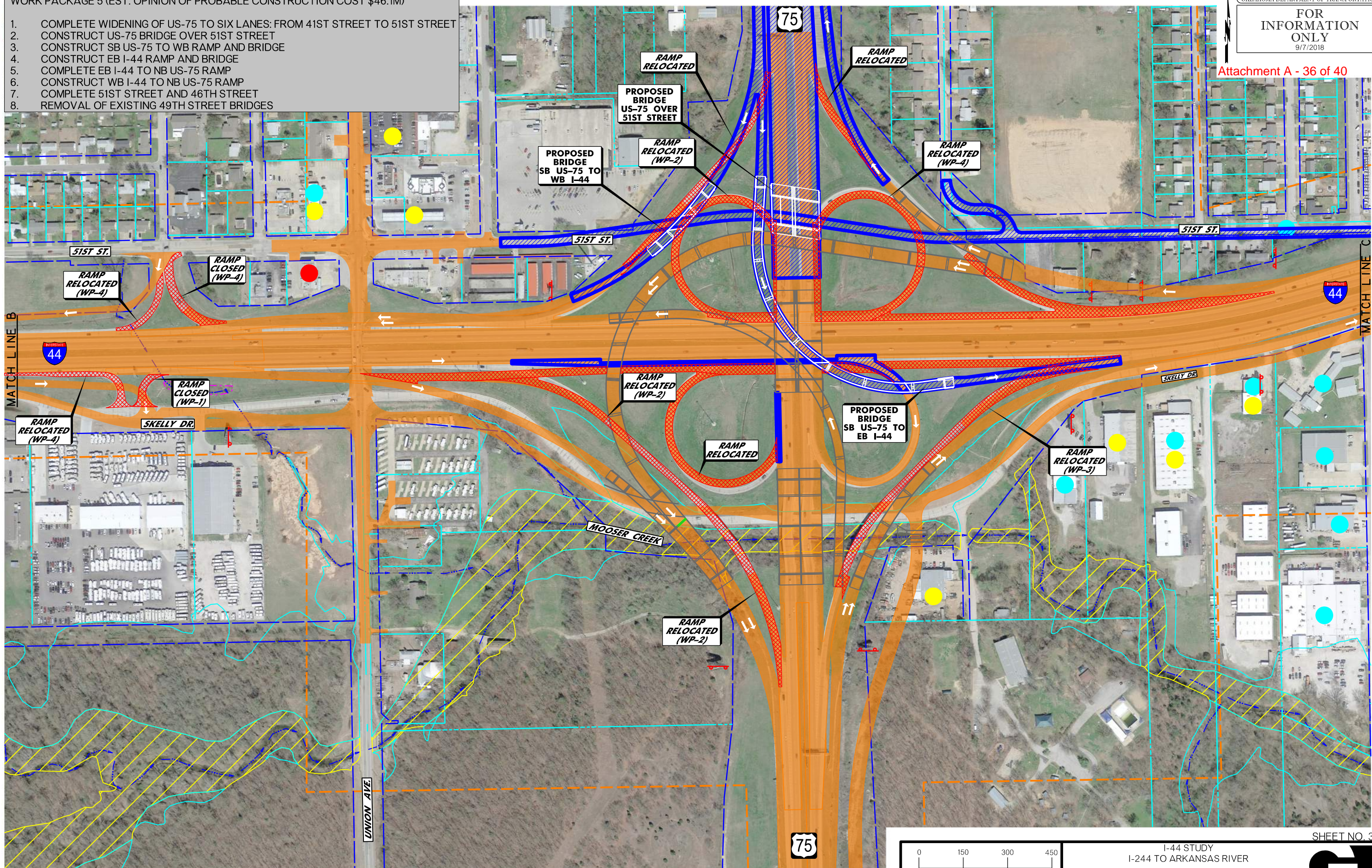
CONSTRUCTION PROJECT LEGEND	
	COMPLETED CONSTRUCTION
	WORK PACKAGE 5
	REMOVALS

0 150 300 450  
SCALE  
Oklahoma Department of Transportation

I-44 STUDY  
I-244 TO ARKANSAS RIVER  
PREFERRED ALTERNATIVE  
CONSTRUCTION WORK PACKAGE 5  
(SHEET 2 OF 7)

SHEET NO. 35

1. COMPLETE WIDENING OF US-75 TO SIX LANES: FROM 41ST STREET TO 51ST STREET
2. CONSTRUCT US-75 BRIDGE OVER 51ST STREET
3. CONSTRUCT SB US-75 TO WB RAMP AND BRIDGE
4. CONSTRUCT EB I-44 RAMP AND BRIDGE
5. COMPLETE EB I-44 TO NB US-75 RAMP
6. CONSTRUCT WB I-44 TO NB US-75 RAMP
7. COMPLETE 51ST STREET AND 46TH STREET
8. REMOVAL OF EXISTING 49TH STREET BRIDGES



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LEGEND			
	WETLAND (FIELD IDENTIFIED)		UST/AST SITE
	EXISTING RIGHT-OF-WAY		POTENTIAL HAZARDOUS MATERIALS SITE
	PROPERTY LINE		LUST/LAST SITE
	DATA COLLECTION AREA		FLOODPLAIN ZONE AE
	STREAM FLOWLINE		FLOODWAY ZONE AE
	TRADE FRICTION		

CONSTRUCTION PROJECT LEGEND	
	COMPLETED CONSTRUCTION
	WORK PACKAGE 5
	REMOVALS

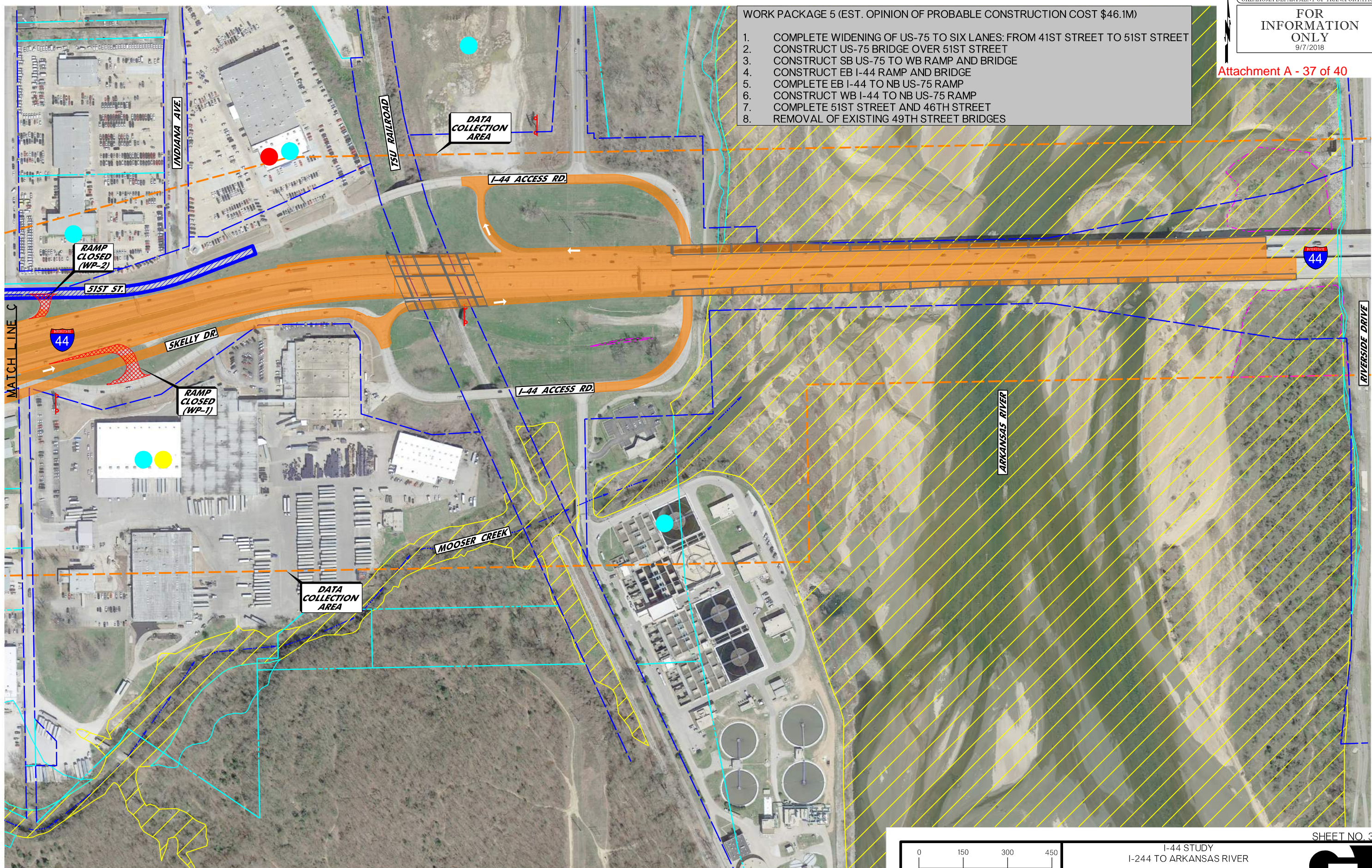
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Oklahoma Department of Transportation

I-44 STUDY  
I-244 TO ARKANSAS RIVER  
PREFERRED ALTERNATIVE  
CONSTRUCTION WORK PACKAGE 5  
(SHEET 3 OF 7)

SHEET NO. 36



- WORK PACKAGE 5 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$46.1M)
1. COMPLETE WIDENING OF US-75 TO SIX LANES: FROM 41ST STREET TO 51ST STREET
  2. CONSTRUCT US-75 BRIDGE OVER 51ST STREET
  3. CONSTRUCT SB US-75 TO WB RAMP AND BRIDGE
  4. CONSTRUCT EB I-44 RAMP AND BRIDGE
  5. COMPLETE EB I-44 TO NB US-75 RAMP
  6. CONSTRUCT WB I-44 TO NB US-75 RAMP
  7. COMPLETE 51ST STREET AND 46TH STREET
  8. REMOVAL OF EXISTING 49TH STREET BRIDGES



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LEGEND			
	WETLAND (FIELD IDENTIFIED)		UST/AST SITE POTENTIAL HAZARDOUS
	EXISTING RIGHT-OF-WAY		MATERIALS SITE
	PROPERTY LINE		LUST/LAST SITE
	DATA COLLECTION AREA		FLOODPLAIN ZONE AE
	STREAM FLOW LINE		FLOODWAY ZONE AE
	TRADE FRIXTURE		

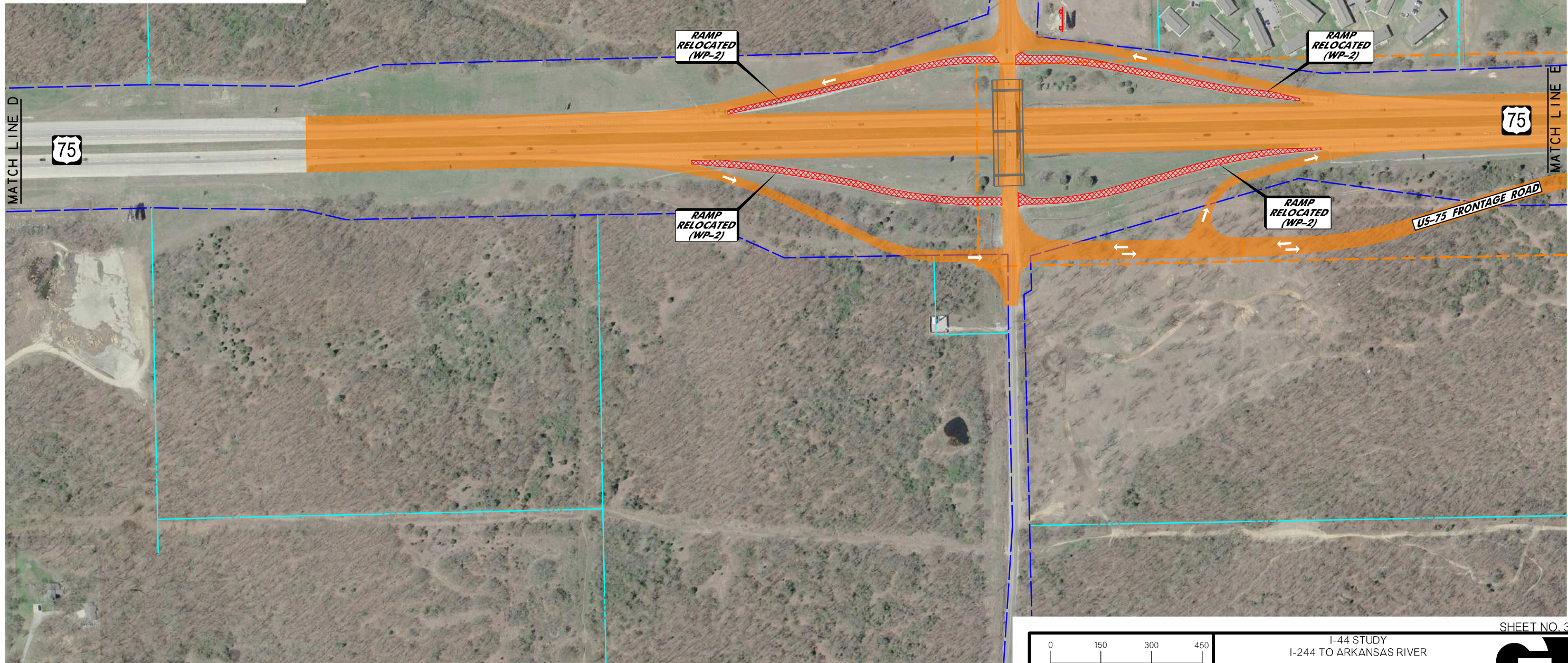
CONSTRUCTION PROJECT LEGEND	
	COMPLETED CONSTRUCTION
	WORK PACKAGE 5
	REMOVALS

0 150 300 450  
SCALE  
Oklahoma Department of Transportation

I-44 STUDY  
I-244 TO ARKANSAS RIVER  
PREFERRED ALTERNATIVE  
CONSTRUCTION WORK PACKAGE 5  
(SHEET 4 OF 7)

SHEET NO. 37

- WORK PACKAGE 5 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$46.1M)**
1. COMPLETE WIDENING OF US-75 TO SIX LANES: FROM 41ST STREET TO 51ST STREET
  2. CONSTRUCT US-75 BRIDGE OVER 51ST STREET
  3. CONSTRUCT SB US-75 TO WB RAMP AND BRIDGE
  4. CONSTRUCT EB I-44 RAMP AND BRIDGE
  5. COMPLETE EB I-44 TO NB US-75 RAMP
  6. CONSTRUCT WB I-44 TO NB US-75 RAMP
  7. COMPLETE 51ST STREET AND 46TH STREET
  8. REMOVAL OF EXISTING 49TH STREET BRIDGES



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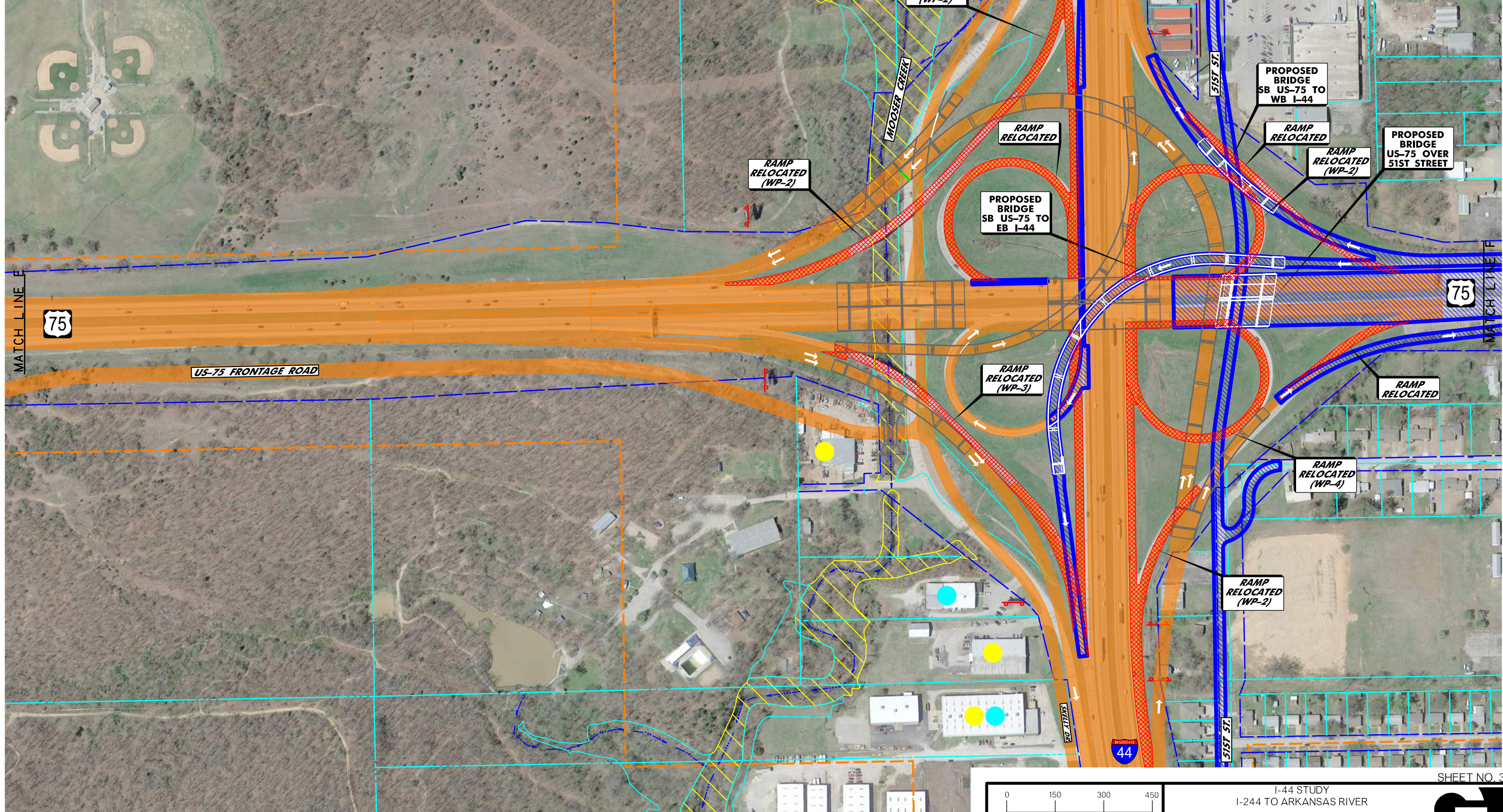
LEGEND			
	WETLAND (FIELD IDENTIFIED)		UST/AST SITE
	EXISTING RIGHT-OF-WAY		POTENTIAL HAZARDOUS MATERIALS SITE
	PROPERTY LINE		LUST/LAST SITE
	DATA COLLECTION AREA		FLOODPLAIN ZONE AE
	STREAM FLOWLINE TRADE FRICTION		FLOODWAY ZONE AE

CONSTRUCTION PROJECT LEGEND	
	COMPLETED CONSTRUCTION
	REMOVALS
	WORK PACKAGE 5

0 150 300 450  
 SCALE  
 Oklahoma Department of Transportation

I-44 STUDY  
 I-244 TO ARKANSAS RIVER  
 PREFERRED ALTERNATIVE  
 CONSTRUCTION WORK PACKAGE 5  
 (SHEET 5 OF 7)

- WORK PACKAGE 5 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$46.1M)
1. COMPLETE WIDENING OF US-75 TO SIX LANES: FROM 41ST STREET TO 51ST STREET
  2. CONSTRUCT US-75 BRIDGE OVER 51ST STREET
  3. CONSTRUCT SB US-75 TO WB RAMP AND BRIDGE
  4. CONSTRUCT EB I-44 RAMP AND BRIDGE
  5. COMPLETE EB I-44 TO NB US-75 RAMP
  6. CONSTRUCT WB I-44 TO NB US-75 RAMP
  7. COMPLETE 51ST STREET AND 46TH STREET
  8. REMOVAL OF EXISTING 49TH STREET BRIDGES



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MATCH LINE F

MATCH LINE F

LEGEND

WETLAND (FIELD IDENTIFIED)	DATA COLLECTION AREA	UST/AST SITE	FLOODPLAIN ZONE AE
EXISTING RIGHT-OF-WAY	STREAM FLOWLINE	POTENTIAL HAZARDOUS MATERIALS SITE	FLOODWAY ZONE AE
PROPERTY LINE	TRADE FUTURE	LUST/LAST SITE	

CONSTRUCTION PROJECT LEGEND

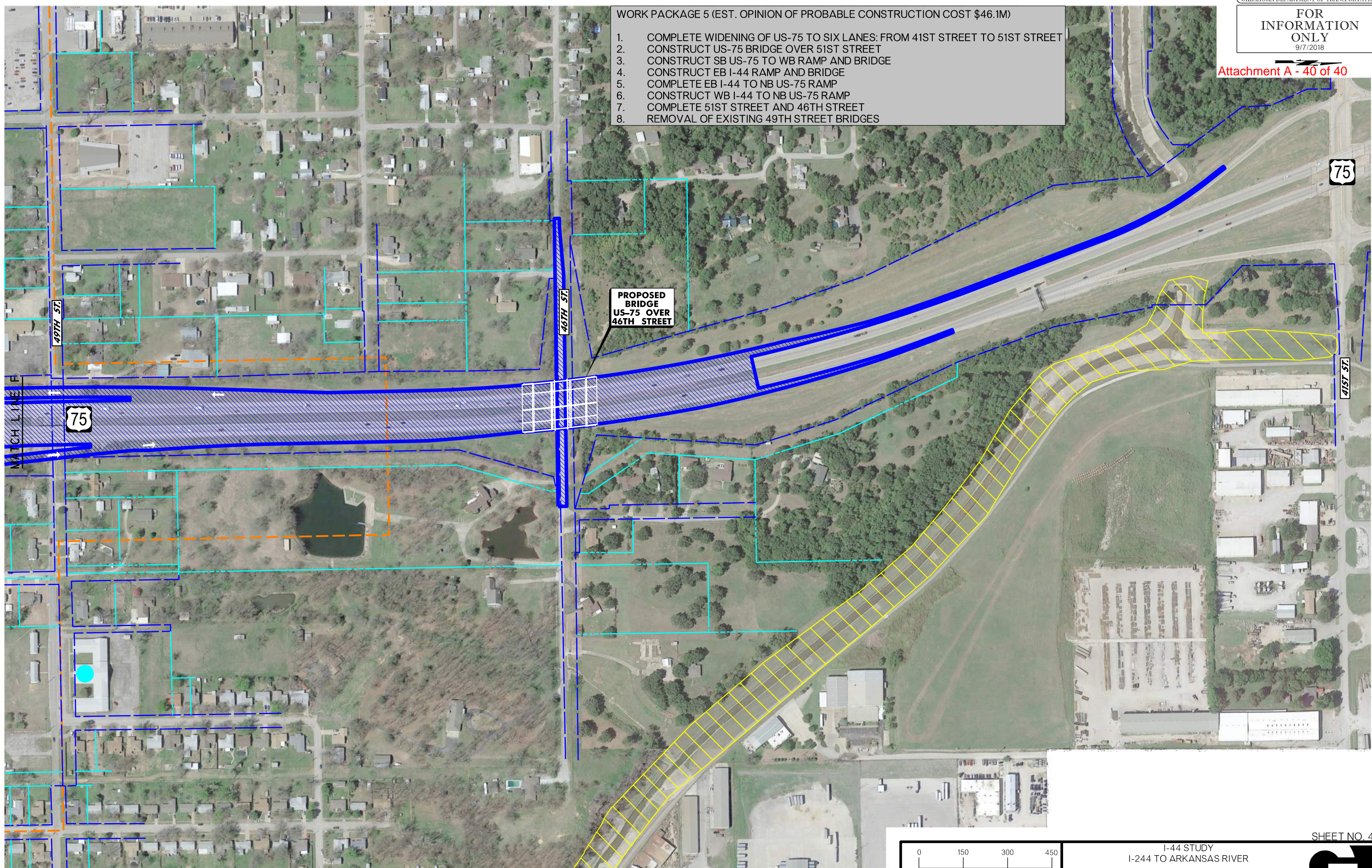
COMPLETED CONSTRUCTION	REMOVALS
WORK PACKAGE 5	

0 150 300 450  
SCALE  
Oklahoma Department of Transportation

I-44 STUDY  
I-244 TO ARKANSAS RIVER  
PREFERRED ALTERNATIVE  
CONSTRUCTION WORK PACKAGE 5  
(SHEET 6 OF 7)

SHEET NO. 39

- WORK PACKAGE 5 (EST. OPINION OF PROBABLE CONSTRUCTION COST \$46.1M)
1. COMPLETE WIDENING OF US-75 TO SIX LANES: FROM 41ST STREET TO 51ST STREET
  2. CONSTRUCT US-75 BRIDGE OVER 51ST STREET
  3. CONSTRUCT SB US-75 TO WB RAMP AND BRIDGE
  4. CONSTRUCT EB I-44 RAMP AND BRIDGE
  5. COMPLETE EB I-44 TO NB US-75 RAMP
  6. CONSTRUCT WB I-44 TO NB US-75 RAMP
  7. COMPLETE 51ST STREET AND 46TH STREET
  8. REMOVAL OF EXISTING 49TH STREET BRIDGES



PROPOSED BRIDGE US-75 OVER 46TH STREET

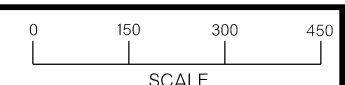
9/7/2018 12:17:58 PM L:\2016\6037070 - 000T EC-1780 144 from 1244 Interchange\Drawings\Phase II\Drawings\32728-WorkPackages\PLAN\_007.dgn

LEGEND

WETLAND (FIELD IDENTIFIED)	DATA COLLECTION AREA	UST/AST SITE	FLOODPLAIN ZONE AE
EXISTING RIGHT-OF-WAY	STREAM FLOWLINE TRADE FICTURE	POTENTIAL HAZARDOUS MATERIALS SITE	FLOODWAY ZONE AE
PROPERTY LINE		LUST/LAST SITE	

CONSTRUCTION PROJECT LEGEND

WORK PACKAGE 5	REMOVALS
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SCALE  
Oklahoma Department of Transportation

I-44 STUDY  
I-244 TO ARKANSAS RIVER  
PREFERRED ALTERNATIVE  
CONSTRUCTION WORK PACKAGE 5  
(SHEET 7 OF 7)

SHEET NO. 40

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**ENGINEER'S OPINION OF PROBABLE COST SUMMARY**  
**I-44 PE STUDY (I-244 TO ARKANSAS RIVER)**  
**WORK PACKAGE 1 (WP-1)**

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**Construction**

<i>Grading</i>	\$	1,436,700.00
<i>Permanent Surfacing</i>	\$	5,428,590.00
<i>Interim / Temp. Surfacing</i>	\$	4,845,512.00
<i>Retaining Wall</i>	\$	231,700.00
<i>Drainage</i>	\$	581,300.00
<i>Miscellaneous (Removals, Erosion Control, Barrier)</i>	\$	2,515,781.00
<b>Roadway Subtotal</b>	<b>\$</b>	<b>15,039,583.00</b>
<i>Bridges</i>	\$	20,647,000.00
<i>Traffic</i>	\$	2,498,000.00
<i>Lighting</i>	\$	535,000.00
<i>Staking</i>	\$	573,000.00
<i>Construction (SWPPP, Field Office, Mobilization)</i>	\$	1,746,600.00
<b>Sub-Total, Construction</b>	<b>\$</b>	<b>41,039,183.00</b>
<b>Contingency 15%</b>	<b>\$</b>	<b>6,155,900.00</b>
<hr/>		
<b>Construction Total w/ Contingency</b>	<b>\$</b>	<b>47,196,000.00</b>
<hr/>		
<b>Right-of-Way</b>		<b>TBD</b>
<hr/>		
<b>Utility Relocation</b>		<b>TBD</b>

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**Total Project Cost: \$ 47,196,000.00**

- WORK PACKAGE 1 CONSTRUCTION INCLUDES:
1. WIDENING OF I-44 TO 6-LANES; FROM NEAR UNION AVENUE TO BRIDGES OVER TSU RAILROAD
  2. CONSTRUCTION OF US-75 BRIDGES OVER I-44 AND MOOSER CREEK
  3. RECONSTRUCTION OF PORTION OF US-75 IN ASSOCIATION WITH NEW BRIDGES
  4. RECONSTRUCTION OF I-44/US-75 LOOP RAMPS
  4. PARTIAL RECONSTRUCTION OF I-44/US-75 OUTER RAMPS
  5. I-44 OVER 33RD W. AVE. AND UNION AVE. OVER I-44 ARE FUNDED SEPARATELY.

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**ENGINEER'S OPINION OF PROBABLE COST SUMMARY**  
**I-44 PE STUDY (I-244 TO ARKANSAS RIVER)**  
**WORK PACKAGE 2 (WP-2)**

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**Construction**

<i>Grading</i>	\$	1,491,000.00
<i>Permanent Surfacing</i>	\$	9,895,195.00
<i>Interim / Temp. Surfacing</i>	\$	1,106,555.00
<i>Retaining Wall</i>	\$	617,040.00
<i>Drainage</i>	\$	677,360.00
<i>Miscellaneous (Removals, Erosion Control, Barrier)</i>	\$	2,251,609.00
<b>Roadway Subtotal</b>	<b>\$</b>	<b>16,038,759.00</b>
<i>Bridges</i>	\$	31,316,000.00
<i>Traffic</i>	\$	3,315,000.00
<i>Lighting</i>	\$	710,000.00
<i>Staking</i>	\$	761,000.00
<i>Construction (SWPPP, Field Office, Mobilization)</i>	\$	2,281,900.00
<b>Sub-Total, Construction</b>	<b>\$</b>	<b>54,422,659.00</b>
<b>Contingency 15%</b>	<b>\$</b>	<b>8,163,400.00</b>
<hr/>		
<b>Construction Total w/ Contingency</b>	<b>\$</b>	<b>62,587,000.00</b>
<hr/>		
<b>Right-of-Way</b>		<b>TBD</b>
<hr/>		
<b>Utility Relocation</b>		<b>TBD</b>

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**Total Project Cost: \$ 62,587,000.00**

- WORK PACKAGE 2 CONSTRUCTION INCLUDES:
1. CONSTRUCT WB I-44 TO SB US-75 RAMP AND BRIDGE
  2. CONSTRUCT WB I-44 TO NB US-75 RAMP AND BRIDGE
  3. CONSTRUCT EB I-44 TO SB US-75 RAMP AND BRIDGE
  4. RECONSTRUCT PORTION OF US-75 FROM SOUTH OF MOOSER CREEK TO NEAR 71ST STREET
  5. RECONSTRUCT US-75/61ST STREET INTERCHANGE, INCLUDING 61ST BRIDGE OVER US-75
  6. RECONSTRUCT PORTION OF SKELLY AVENUE FROM UNION AVENUE EAST TO US-75

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**ENGINEER'S OPINION OF PROBABLE COST SUMMARY**  
**I-44 PE STUDY (I-244 TO ARKANSAS RIVER)**  
**WORK PACKAGE 3 (WP-3)**

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**Construction**

	<i>Grading</i>	\$	2,533,000.00
	<i>Permanent Surfacing</i>	\$	5,835,335.00
	<i>Interim / Temp. Surfacing</i>	\$	469,207.00
	<i>Retaining Wall</i>	\$	1,735,160.00
	<i>Drainage</i>	\$	563,210.00
	<i>Miscellaneous (Removals, Erosion Control, Barrier)</i>	\$	1,227,099.00
	<b>Roadway Subtotal</b>	<b>\$</b>	<b>12,363,011.00</b>
	 <i>Bridges</i>	 \$	 33,474,000.00
	<i>Traffic</i>	\$	3,208,000.00
	<i>Lighting</i>	\$	688,000.00
	<i>Staking</i>	\$	736,000.00
	<i>Construction (SWPPP, Field Office, Mobilization)</i>	\$	2,212,300.00
	<b>Sub-Total, Construction</b>	<b>\$</b>	<b>52,681,311.00</b>
<b>Contingency</b>	<b>15%</b>	<b>\$</b>	<b>7,902,200.00</b>
<b>Construction Total w/ Contingency</b>		<b>\$</b>	<b>60,584,000.00</b>
<b>Right-of-Way</b>			<b>TBD</b>
<b>Utility Relocation</b>			<b>TBD</b>

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**Total Project Cost: \$ 60,584,000.00**

- WORK PACKAGE 3 CONSTRUCTION INCLUDES:
1. CONTINUE WIDENING OF I-44 TO SIX LANES; EAST OF US-75 ONTO BRIDGE OVER ARKANSAS RIVER.
  2. WIDEN AND REDECK I-44 OVER ARKANSAS RIVER BRIDGE.
  3. CONSTRUCT I-44 BRIDGE OVER TSU RAILROAD.
  4. CONTINUE WIDENING OF US-75 TO SIX LANES; SOUTH OF BRIDGE OVER MOOSER CREEK.
  5. CONSTRUCT US-75 TO EB I-44 RAMP AND BRIDGE
  6. CONSTRUCT SKELLY DRIVE; EAST OF US-75.
  7. COMPLETE US-75 FRONTAGE ROAD AND I-44 ACCESS ROAD.

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**ENGINEER'S OPINION OF PROBABLE COST SUMMARY**  
**I-44 PE STUDY (I-244 TO ARKANSAS RIVER)**  
**WORK PACKAGE 4 (WP-4)**

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**Construction**

	<i>Grading</i>	\$	674,400.00
	<i>Permanent Surfacing</i>	\$	9,651,270.00
	<i>Interim / Temp. Surfacing</i>	\$	1,333,731.00
	<i>Retaining Wall</i>	\$	1,239,860.00
	<i>Drainage</i>	\$	948,090.00
	<i>Miscellaneous (Removals, Erosion Control, Barrier)</i>	\$	2,086,028.00
	<b>Roadway Subtotal</b>	<b>\$</b>	<b>15,933,379.00</b>
	<i>Bridges</i>	\$	10,658,000.00
	<i>Traffic</i>	\$	1,862,000.00
	<i>Lighting</i>	\$	399,000.00
	<i>Staking</i>	\$	427,000.00
	<i>Construction (SWPPP, Field Office, Mobilization)</i>	\$	1,329,300.00
	<b>Sub-Total, Construction</b>	<b>\$</b>	<b>30,608,679.00</b>
<b>Contingency</b>	<b>15%</b>	<b>\$</b>	<b>4,591,400.00</b>
<b>Construction Total w/ Contingency</b>		<b>\$</b>	<b>35,201,000.00</b>
<b>Right-of-Way</b>			<b>TBD</b>
<b>Utility Relocation</b>			<b>TBD</b>

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**Total Project Cost: \$ 35,201,000.00**

WORK PACKAGE 4 CONSTRUCTION INCLUDES:

1. COMPLETE WIDENING OF I-44 TO SIX LANES; FROM I-244 TO UNION AVE.
2. CONSTRUCT NB US-75 TO WB I-44 RAMP AND BRIDGE
3. CONSTRUCT I-44 RAMPS WEST OF UNION AVENUE.
4. RECONSTRUCT PORTION OF SB US-75 TO WB I-44 RAMP.
5. COMPLETE SKELLY DRIVE.



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**ENGINEER'S OPINION OF PROBABLE COST SUMMARY**  
**I-44 PE STUDY (I-244 TO ARKANSAS RIVER)**  
**WORK PACKAGE 5 (WP-5)**

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**Construction**

	<i>Grading</i>	\$	1,987,700.00
	<i>Permanent Surfacing</i>	\$	6,760,194.00
	<i>Interim / Temp. Surfacing</i>	\$	510,754.00
	<i>Retaining Wall</i>	\$	895,640.00
	<i>Drainage</i>	\$	594,340.00
	<i>Miscellaneous (Removals, Erosion Control, Barrier)</i>	\$	1,454,957.00
	<b>Roadway Subtotal</b>	<b>\$</b>	<b>12,203,585.00</b>
	<i>Bridges</i>	\$	23,002,500.00
	<i>Traffic</i>	\$	2,064,000.00
	<i>Lighting</i>	\$	528,000.00
	<i>Staking</i>	\$	560,000.00
	<i>Construction (SWPPP, Field Office, Mobilization)</i>	\$	1,707,600.00
	<b>Sub-Total, Construction</b>	<b>\$</b>	<b>40,065,685.00</b>
<b>Contingency</b>	<b>15%</b>	<b>\$</b>	<b>6,009,900.00</b>
<b>Construction Total w/ Contingency</b>		<b>\$</b>	<b>46,076,000.00</b>
<b>Right-of-Way</b>			<b>TBD</b>
<b>Utility Relocation</b>			<b>TBD</b>

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**Total Project Cost: \$ 46,076,000.00**

WORK PACKAGE 5 CONSTRUCTION INCLUDES:

1. COMPLETE WIDENING OF US-75 TO SIX LANES: FROM 41ST STREET TO 51ST STREET.
2. CONSTRUCT US-75 BRIDGE OVER 51ST STREET.
3. CONSTRUCT SB US-75 TO WB AND EB I-44 RAMPS AND BRIDGES.
4. COMPLETE THE EB I-44 TO NB US-75 AND THE WB I-44 TO NB US-75 RAMPS.
5. COMPLETE 51ST STREET AND 46TH STREET.

Project: EC-1780 I-44 PE STUDY  
Proj No.  
J/P No. 32728

9/4/2018  
Garver Proj. No. 16037070

**ENGINEER'S OPINION OF PROBABLE COST**  
PLANNING LEVEL ESTIMATE  
I-44 PE STUDY (I-244 TO ARKANSAS RIVER)  
WORK PACKAGE 1 (WP-1)

ROADWAY 0100										
ITEM NO.	CODE NO.	DESCRIPTION	UNIT	PERMANENT QUANTITY	INTERIM/TEMP. QUANTITIES	UNIT PRICE	PERMANENT COST	INTERIM/TEMP. COST	TOTAL COST	
201(A)	0102	CLEARING AND GRUBBING	LSUM	1.00	-	\$ 33,000.00	\$ 33,000.00	\$ -	\$ 33,000.00	
202(A)	0183	UNCLASSIFIED EXCAVATION	CY	93,900.00	-	\$ 5.00	\$ 469,500.00	\$ -	\$ 469,500.00	
202(D)	0184	UNCLASSIFIED BORROW	CY	120,900.00	-	\$ 8.00	\$ 967,200.00	\$ -	\$ 967,200.00	
205(A)	4229	TYPE A-SALVAGED TOPSOIL	LSUM	1.00	-	\$ 17,000.00	\$ 17,000.00	\$ -	\$ 17,000.00	
N/A	N/A	TEMPORARY EROSION CONTROL	LSUM	1.00	-	\$ 40,000.00	\$ 40,000.00	\$ -	\$ 40,000.00	
230(A)	2806	SOLID SLAB SODDING	SY	80,146.00	-	\$ 2.00	\$ 160,292.00	\$ -	\$ 160,292.00	
232(B)	2814	SEEDING METHOD B	AC	34.00	-	\$ 500.00	\$ 17,000.00	\$ -	\$ 17,000.00	
233(A)	2817	VEGETATIVE MULCHING	AC	17.00	-	\$ 450.00	\$ 7,650.00	\$ -	\$ 7,650.00	
241	2832	MOWING	AC	68.00	-	\$ 65.00	\$ 4,420.00	\$ -	\$ 4,420.00	
242	0400	(PL)STABILIZED CONSTRUCTION EXIT	EA	6.00	-	\$ 1,700.00	\$ 10,200.00	\$ -	\$ 10,200.00	
303(A)	2100	AGGREGATE BASE TYPE A	CY	15,550.00	26,932.00	\$ 35.00	\$ 544,250.00	\$ 942,620.00	\$ 1,486,870.00	
307(K)	4300	STABILIZED SUBGRADE	SY	76,327.00	83,450.00	\$ 5.00	\$ 381,635.00	\$ 417,250.00	\$ 798,885.00	
317	4270	CEMENT TREATED BASE	SY	4,129.00	-	\$ 13.00	\$ 53,677.00	\$ -	\$ 53,677.00	
319(A)	5190	OPEN-GRADED BITUMINOUS BASE	SY	67,850.00	526.00	\$ 10.00	\$ 678,500.00	\$ 5,260.00	\$ 683,760.00	
325	5271	SEPARATOR FABRIC	SY	220,320.00	164,686.00	\$ 1.50	\$ 330,480.00	\$ 247,029.00	\$ 577,509.00	
402(E)	0225	TRAFFIC BOUND SURFACE COURSE TYPE E	TON	3,177.00	8,373.00	\$ 25.00	\$ 79,425.00	\$ 209,325.00	\$ 288,750.00	
408	5774	PRIME COAT	GAL	43,637.00	49,362.00	\$ 4.00	\$ 174,548.00	\$ 197,448.00	\$ 371,996.00	
411(B)	5935	SUPERPAVE, TYPE S3(PG 76 -28 OK)	TON	-	14,896.00	\$ 70.00	\$ -	\$ 1,042,720.00	\$ 1,042,720.00	
411(B)	5945	SUPERPAVE, TYPE S3(PG 64-22 OK)	TON	-	14,588.00	\$ 75.00	\$ -	\$ 1,094,100.00	\$ 1,094,100.00	
411(C)	5950	SUPERPAVE, TYPE S4(PG 76 -28 OK)	TON	-	2,914.00	\$ 85.00	\$ -	\$ 247,690.00	\$ 247,690.00	
411(C)	5960	SUPERPAVE, TYPE S4(PG 64 -22 OK)	TON	-	4,710.00	\$ 90.00	\$ -	\$ 423,900.00	\$ 423,900.00	
414(A)	0210	P.C. CONCRETE PAVEMENT (PLACEMENT)	SY	20,904.00	431.00	\$ 10.00	\$ 209,040.00	\$ 4,310.00	\$ 213,350.00	
414(B)	5725	DOWEL JOINTED P.C. CONCRETE PAVEMENT (PLACEMENT)	SY	48,984.00	-	\$ 15.00	\$ 734,760.00	\$ -	\$ 734,760.00	
414(G)	5275	P.C. CONCRETE FOR PAVEMENT	CY	21,355.00	132.00	\$ 105.00	\$ 2,242,275.00	\$ 13,860.00	\$ 2,256,135.00	
504(E)	6190	42" F-SHAPED PARAPET	LF	1,665.00	-	\$ 80.00	\$ 133,200.00	\$ -	\$ 133,200.00	
509(A)	0319	CLASS AA CONCRETE	CY	958.00	-	\$ 400.00	\$ 383,200.00	\$ -	\$ 383,200.00	
510(A)	6333	RETAINING WALL	SY	-	197.00	\$ 500.00	\$ -	\$ 98,500.00	\$ 98,500.00	
510(B)	6334	SOUND BARRIER WALL	SY	1,000.00	-	\$ 225.00	\$ 225,000.00	\$ -	\$ 225,000.00	
511(A)	0332	REINFORCING STEEL	LB	133,947.00	-	\$ 1.00	\$ 133,947.00	\$ -	\$ 133,947.00	
611(A)	2658	MANHOLE (5' DIAMETER)	EA	6.00	-	\$ 3,000.00	\$ 18,000.00	\$ -	\$ 18,000.00	
611(G)	5698	INLET - LONGITUDINAL BARRIER - TYPE II, DES. 1	EA	17.00	-	\$ 5,500.00	\$ 93,500.00	\$ -	\$ 93,500.00	
611(G)	6002	INLET (SMD-TYPE 2)	EA	-	6.00	\$ 2,700.00	\$ -	\$ 16,200.00	\$ 16,200.00	
613(A)	0491	18" R.C.PIPE CLASS III	LF	768.00	-	\$ 50.00	\$ 38,400.00	\$ -	\$ 38,400.00	
613(A)	0492	24" R.C.PIPE CLASS III	LF	6,755.00	-	\$ 60.00	\$ 405,300.00	\$ -	\$ 405,300.00	
613(L)	5726	18" PREFAB. CULVERT END SECTION, ROUND	EA	6.00	-	\$ 350.00	\$ 2,100.00	\$ -	\$ 2,100.00	
613(L)	5730	24" PREFAB. CULVERT END SECTION, ROUND	EA	13.00	-	\$ 600.00	\$ 7,800.00	\$ -	\$ 7,800.00	
619(A)	0920	REMOVAL OF STRUCTURES & OBSTRUCTIONS	LSUM	1.00	-	\$ 50,000.00	\$ 50,000.00	\$ -	\$ 50,000.00	
619(B)	4727	REMOVAL OF CONCRETE PAVEMENT	SY	40,662.00	-	\$ 5.00	\$ 203,310.00	\$ -	\$ 203,310.00	
619(B)	4763	REMOVAL OF CONCRETE PAVEMENT W/ ASPHALT OVERLAY	SY	61,596.00	-	\$ 8.00	\$ 492,768.00	\$ -	\$ 492,768.00	
619(B)	4780	REMOVAL OF GUARDRAIL	LF	10,278.00	-	\$ 3.00	\$ 30,834.00	\$ -	\$ 30,834.00	
619(B)	4915	REMOVAL OF CONCRETE MEDIAN BARRIER	LF	5,873.00	-	\$ 10.00	\$ 58,730.00	\$ -	\$ 58,730.00	
619(B)	5190	REMOVAL OF CABLE BARRIER	LF	755.00	-	\$ 5.00	\$ 3,775.00	\$ -	\$ 3,775.00	
627(A)	4317	CONCRETE LONGITUDINAL BARRIER DESIGN 1	LF	4,653.00	-	\$ 55.00	\$ 255,915.00	\$ -	\$ 255,915.00	
871(A)	8330	(PL) IMPACT ATTENUATOR	EA	4.00	-	\$ 15,000.00	\$ 60,000.00	\$ -	\$ 60,000.00	
877(A)	8483	PORTABLE LONGITUDINAL BARRIER	LF	-	5,479.00	\$ 60.00	\$ -	\$ 328,740.00	\$ 328,740.00	
<b>BRIDGE 0200</b>										
619(D)	1397	REMOVAL OF EXISTING BRIDGE	US-75 OVER MOOSER CREEK	LSUM	1.00	-	\$ 238,000.00	\$ 238,000.00	\$ -	\$ 238,000.00
N/A	N/A	CONSTRUCT NEW BRIDGE		LSUM	1.00	-	\$ 9,285,000.00	\$ 9,285,000.00	\$ -	\$ 9,285,000.00
619(D)	1397	REMOVAL OF EXISTING BRIDGE	US-75 OVER I-44	LSUM	1.00	-	\$ 317,000.00	\$ 317,000.00	\$ -	\$ 317,000.00
N/A	N/A	CONSTRUCT NEW BRIDGE		LSUM	1.00	-	\$ 10,807,000.00	\$ 10,807,000.00	\$ -	\$ 10,807,000.00
<b>TRAFFIC 0300</b>										
N/A	N/A	CONSTRUCTION TRAFFIC CONTROL		LSUM	1.00	-	\$ 1,071,000.00	\$ 1,071,000.00	\$ -	\$ 1,071,000.00
N/A	N/A	PERMANENT TRAFFIC		LSUM	1.00	-	\$ 1,427,000.00	\$ 1,427,000.00	\$ -	\$ 1,427,000.00
<b>LIGHTING 0400</b>										
N/A	N/A	HIGHWAY LIGHTING		LSUM	1.00	-	\$ 535,000.00	\$ 535,000.00	\$ -	\$ 535,000.00
<b>STAKING 0600</b>										
642(B)	0096	CONSTRUCTION STAKING LEVEL 2		LSUM	1.00	-	\$ 573,000.00	\$ 573,000.00	\$ -	\$ 573,000.00
<b>CONSTRUCTION 0640</b>										
220	2800	SWPPP DOCUMENTATION AND MANAGEMENT		LSUM	1.00	-	\$ 30,000.00	\$ 30,000.00	\$ -	\$ 30,000.00
640(A)	1426	FIELD OFFICE		EA	1.00	-	\$ 10,000.00	\$ 10,000.00	\$ -	\$ 10,000.00
641	1552	MOBILIZATION		LSUM	1.00	-	\$ 1,706,600.00	\$ 1,706,600.00	\$ -	\$ 1,706,600.00

	PERMANENT COST	INTERIM/TEMP. COST	TOTAL COST
ROADWAY TOTAL	\$ 9,750,631.00	\$ 5,288,952.00	\$ 15,039,583.00
BRIDGE TOTAL	\$ 20,647,000.00	\$ -	\$ 20,647,000.00
TRAFFIC TOTAL	\$ 2,498,000.00	\$ -	\$ 2,498,000.00
LIGHTING TOTAL	\$ 535,000.00	\$ -	\$ 535,000.00
STAKING	\$ 573,000.00	\$ -	\$ 573,000.00
CONSTRUCTION	\$ 1,746,600.00	\$ -	\$ 1,746,600.00
PRELIM. GRAND TOTAL	\$ 35,750,231.00	\$ 5,288,952.00	\$ 41,039,183.00
CONTINGENCY 15%			\$ 6,155,900.00
<b>GRAND TOTAL ROUNDED</b>			<b>\$ 47,196,000.00</b>

Project: EC-1780 I-44 PE STUDY  
Proj No.  
J/P No. 32728

9/4/2018  
Garver Proj. No. 16037070

**ENGINEER'S OPINION OF PROBABLE COST**  
PLANNING LEVEL ESTIMATE  
I-44 PE STUDY (I-244 TO ARKANSAS RIVER)  
WORK PACKAGE 2 (WP-2)

ROADWAY 0100										
ITEM NO.	CODE NO.	DESCRIPTION	UNIT	PERMANENT QUANTITY	INTERIM/TEMP. QUANTITIES	UNIT PRICE	PERMANENT COST	INTERIM/TEMP. COST	TOTAL COST	
201(A)	0102	CLEARING AND GRUBBING	LSUM	1.00	-	\$ 33,000.00	\$ 33,000.00	\$ -	\$ 33,000.00	
202(A)	0183	UNCLASSIFIED EXCAVATION	CY	298,200.00	-	\$ 5.00	\$ 1,491,000.00	\$ -	\$ 1,491,000.00	
205(A)	4229	TYPE A-SALVAGED TOPSOIL	LSUM	1.00	-	\$ 17,000.00	\$ 17,000.00	\$ -	\$ 17,000.00	
N/A	N/A	TEMPORARY EROSION CONTROL	LSUM	1.00	-	\$ 40,000.00	\$ 40,000.00	\$ -	\$ 40,000.00	
230(A)	2806	SOLID SLAB SODDING	SY	117,706.00	-	\$ 2.00	\$ 235,412.00	\$ -	\$ 235,412.00	
232(B)	2814	SEEDING METHOD B	AC	49.00	-	\$ 500.00	\$ 24,500.00	\$ -	\$ 24,500.00	
233(A)	2817	VEGETATIVE MULCHING	AC	25.00	-	\$ 450.00	\$ 11,250.00	\$ -	\$ 11,250.00	
241	2832	MOWING	AC	98.00	-	\$ 65.00	\$ 6,370.00	\$ -	\$ 6,370.00	
242	0400	(PL)STABILIZED CONSTRUCTION EXIT	EA	7.00	-	\$ 1,700.00	\$ 11,900.00	\$ -	\$ 11,900.00	
303(A)	2100	AGGREGATE BASE TYPE A	CY	22,389.00	5,249.00	\$ 35.00	\$ 783,615.00	\$ 183,715.00	\$ 967,330.00	
307(K)	4300	STABILIZED SUBGRADE	SY	146,316.00	19,306.00	\$ 5.00	\$ 731,580.00	\$ 96,530.00	\$ 828,110.00	
317	4270	CEMENT TREATED BASE	SY	39,156.00	-	\$ 13.00	\$ 509,028.00	\$ -	\$ 509,028.00	
319(A)	5190	OPEN-GRADED BITUMINOUS BASE	SY	97,725.00	-	\$ 10.00	\$ 977,250.00	\$ -	\$ 977,250.00	
325	5271	SEPARATOR FABRIC	SY	350,437.00	43,030.00	\$ 1.50	\$ 525,656.00	\$ 64,545.00	\$ 590,201.00	
402(E)	0225	TRAFFIC BOUND SURFACE COURSE TYPE E	TON	10,307.00	8,295.00	\$ 25.00	\$ 257,675.00	\$ 207,375.00	\$ 465,050.00	
408	5774	PRIME COAT	GAL	78,819.00	10,425.00	\$ 4.00	\$ 315,276.00	\$ 41,700.00	\$ 356,976.00	
411(B)	5935	SUPERPAVE, TYPE S3(PG 76 -28 OK)	TON	-	4,691.00	\$ 70.00	\$ -	\$ 328,370.00	\$ 328,370.00	
411(B)	5945	SUPERPAVE, TYPE S3(PG 64-22 OK)	TON	-	1,060.00	\$ 75.00	\$ -	\$ 79,500.00	\$ 79,500.00	
411(C)	5950	SUPERPAVE, TYPE S4(PG 76 -28 OK)	TON	-	870.00	\$ 85.00	\$ -	\$ 73,950.00	\$ 73,950.00	
411(C)	5960	SUPERPAVE, TYPE S4(PG 64 -22 OK)	TON	-	343.00	\$ 90.00	\$ -	\$ 30,870.00	\$ 30,870.00	
414(A)	0210	P.C.CONCRETE PAVEMENT (PLACEMENT)	SY	35,526.00	-	\$ 10.00	\$ 355,260.00	\$ -	\$ 355,260.00	
414(B)	5725	DOWEL JOINTED P.C. CONCRETE PAVEMENT (PLACEMENT)	SY	95,432.00	-	\$ 15.00	\$ 1,431,480.00	\$ -	\$ 1,431,480.00	
414(G)	5275	P.C. CONCRETE FOR PAVEMENT	CY	38,175.00	-	\$ 105.00	\$ 4,008,375.00	\$ -	\$ 4,008,375.00	
504(E)	6190	42" F-SHAPED PARAPET	LF	3,088.00	-	\$ 80.00	\$ 247,040.00	\$ -	\$ 247,040.00	
509(A)	0319	CLASS AA CONCRETE	CY	699.00	-	\$ 400.00	\$ 279,600.00	\$ -	\$ 279,600.00	
510(A)	6333	RETAINING WALL	SY	740.00	-	\$ 500.00	\$ 370,000.00	\$ -	\$ 370,000.00	
510(B)	6334	SOUND BARRIER WALL	SY	1,000.00	-	\$ 225.00	\$ 225,000.00	\$ -	\$ 225,000.00	
511(A)	0332	REINFORCING STEEL	LB	93,622.00	-	\$ 1.00	\$ 93,622.00	\$ -	\$ 93,622.00	
609(A)	0288	CONCRETE CURB (6" MNTBLE-INTEGRAL)	LF	1,794.00	-	\$ 4.50	\$ 8,073.00	\$ -	\$ 8,073.00	
609(A)	0380	CONCRETE CURB (8" BARRIER-INTEGRAL)	LF	1,138.00	-	\$ 9.00	\$ 10,242.00	\$ -	\$ 10,242.00	
610(C)	0604	6" CONCRETE DIVIDING STRIP	SY	431.00	-	\$ 45.00	\$ 19,395.00	\$ -	\$ 19,395.00	
611(A)	2658	MANHOLE (5' DIAMETER)	EA	6.00	-	\$ 3,000.00	\$ 18,000.00	\$ -	\$ 18,000.00	
611(G)	5113	INLET CI DES. 2 (B)	EA	5.00	-	\$ 3,500.00	\$ 17,500.00	\$ -	\$ 17,500.00	
611(G)	5698	INLET - LONGITUDINAL BARRIER - TYPE II, DES. 1	EA	21.00	-	\$ 5,500.00	\$ 115,500.00	\$ -	\$ 115,500.00	
613(A)	0491	18" R.C.PIPE CLASS III	LF	15.00	-	\$ 50.00	\$ 750.00	\$ -	\$ 750.00	
613(A)	0492	24" R.C.PIPE CLASS III	LF	7,979.00	-	\$ 60.00	\$ 478,740.00	\$ -	\$ 478,740.00	
613(A)	0493	30" R.C.PIPE CLASS III	LF	93.00	-	\$ 70.00	\$ 6,510.00	\$ -	\$ 6,510.00	
613(A)	0494	36" R.C.PIPE CLASS III	LF	347.00	-	\$ 80.00	\$ 27,760.00	\$ -	\$ 27,760.00	
613(L)	5726	18" PREFAB. CULVERT END SECTION, ROUND	EA	2.00	-	\$ 350.00	\$ 700.00	\$ -	\$ 700.00	
613(L)	5730	24" PREFAB. CULVERT END SECTION, ROUND	EA	14.00	-	\$ 600.00	\$ 8,400.00	\$ -	\$ 8,400.00	
613(L)	5732	30" PREFAB. CULVERT END SECTION, ROUND	EA	2.00	-	\$ 750.00	\$ 1,500.00	\$ -	\$ 1,500.00	
613(L)	5734	36" PREFAB. CULVERT END SECTION, ROUND	EA	2.00	-	\$ 1,000.00	\$ 2,000.00	\$ -	\$ 2,000.00	
619(A)	0920	REMOVAL OF STRUCTURES & OBSTRUCTIONS	LSUM	1.00	-	\$ 50,000.00	\$ 50,000.00	\$ -	\$ 50,000.00	
619(B)	4727	REMOVAL OF CONCRETE PAVEMENT	SY	16,150.00	-	\$ 5.00	\$ 80,750.00	\$ -	\$ 80,750.00	
619(B)	4728	REMOVAL OF ASPHALT PAVEMENT	SY	27,292.00	-	\$ 7.00	\$ 191,044.00	\$ -	\$ 191,044.00	
619(B)	4763	REMOVAL OF CONCRETE PAVEMENT W/ ASPHALT OVERLAY	SY	51,290.00	-	\$ 8.00	\$ 410,320.00	\$ -	\$ 410,320.00	
619(B)	4780	REMOVAL OF GUARDRAIL	LF	3,632.00	-	\$ 3.00	\$ 10,896.00	\$ -	\$ 10,896.00	
619(B)	5190	REMOVAL OF CABLE BARRIER	LF	5,427.00	-	\$ 5.00	\$ 27,135.00	\$ -	\$ 27,135.00	
627(A)	4317	CONCRETE LONGITUDINAL BARRIER DESIGN 1	LF	6,128.00	-	\$ 55.00	\$ 337,040.00	\$ -	\$ 337,040.00	
871(A)	8330	(PL) IMPACT ATTENUATOR	EA	5.00	-	\$ 15,000.00	\$ 75,000.00	\$ -	\$ 75,000.00	
877(A)	8483	PORTABLE LONGITUDINAL BARRIER	LF	-	901.00	\$ 60.00	\$ -	\$ 54,060.00	\$ 54,060.00	
BRIDGE 0200										
N/A	N/A	CONSTRUCT NEW BRIDGE	WB I-44 TO SB US-75	LSUM	1.00	-	\$ 23,228,000.00	\$ 23,228,000.00	\$ -	\$ 23,228,000.00
N/A	N/A	CONSTRUCT NEW BRIDGE	WB I-44 TO NB US-75	LSUM	1.00	-	\$ 2,565,000.00	\$ 2,565,000.00	\$ -	\$ 2,565,000.00
619(D)	1397	REMOVAL OF EXISTING BRIDGE	EB I-44 TO SB US-75	LSUM	1.00	-	\$ 78,000.00	\$ 78,000.00	\$ -	\$ 78,000.00
N/A	N/A	CONSTRUCT NEW BRIDGE		LSUM	1.00	-	\$ 1,520,000.00	\$ 1,520,000.00	\$ -	\$ 1,520,000.00
619(D)	1397	REMOVAL OF EXISTING BRIDGE	61ST STR OVER US-75	LSUM	1.00	-	\$ 84,000.00	\$ 84,000.00	\$ -	\$ 84,000.00
N/A	N/A	CONSTRUCT NEW BRIDGE		LSUM	1.00	-	\$ 3,841,000.00	\$ 3,841,000.00	\$ -	\$ 3,841,000.00
TRAFFIC 0300										
N/A	N/A	CONSTRUCTION TRAFFIC CONTROL	LSUM	1.00	-	\$ 1,421,000.00	\$ 1,421,000.00	\$ -	\$ 1,421,000.00	
N/A	N/A	PERMANENT TRAFFIC	LSUM	1.00	-	\$ 1,894,000.00	\$ 1,894,000.00	\$ -	\$ 1,894,000.00	
LIGHTING 0400										
N/A	N/A	HIGHWAY LIGHTING	LSUM	1.00	-	\$ 710,000.00	\$ 710,000.00	\$ -	\$ 710,000.00	
STAKING 0600										
642(B)	0096	CONSTRUCTION STAKING LEVEL 2	LSUM	1.00	-	\$ 761,000.00	\$ 761,000.00	\$ -	\$ 761,000.00	
CONSTRUCTION 0640										
220	2800	SWPPP DOCUMENTATION AND MANAGEMENT	LSUM	1.00	-	\$ 30,000.00	\$ 30,000.00	\$ -	\$ 30,000.00	
640(A)	1426	FIELD OFFICE	EA	1.00	-	\$ 10,000.00	\$ 10,000.00	\$ -	\$ 10,000.00	
641	1552	MOBILIZATION	LSUM	1.00	-	\$ 2,241,900.00	\$ 2,241,900.00	\$ -	\$ 2,241,900.00	

	PERMANENT COST	INTERIM/TEMP. COST	TOTAL COST
ROADWAY TOTAL	\$ 14,878,144.00	\$ 1,160,615.00	\$ 16,038,759.00
BRIDGE TOTAL	\$ 31,316,000.00	\$ -	\$ 31,316,000.00
TRAFFIC TOTAL	\$ 3,315,000.00	\$ -	\$ 3,315,000.00
LIGHTING TOTAL	\$ 710,000.00	\$ -	\$ 710,000.00
STAKING	\$ 761,000.00	\$ -	\$ 761,000.00
CONSTRUCTION	\$ 2,281,900.00	\$ -	\$ 2,281,900.00
PRELIM. GRAND TOTAL	\$ 53,262,044.00	\$ 1,160,615.00	\$ 54,422,659.00
CONTINGENCY 15%			\$ 8,163,400.00
<b>GRAND TOTAL ROUNDED</b>			<b>\$ 62,587,000.00</b>

Project: EC-1780 I-44 PE STUDY  
Proj No. 32728  
J/P No. 32728

9/4/2018  
Garver Proj. No. 16037070

**ENGINEER'S OPINION OF PROBABLE COST**  
PLANNING LEVEL ESTIMATE  
I-44 PE STUDY (I-244 TO ARKANSAS RIVER)  
WORK PACKAGE 3 (WP-3)

ROADWAY 0100									
ITEM NO.	CODE NO.	DESCRIPTION	UNIT	PERMANENT QUANTITY	INTERIM/TEMP. QUANTITIES	UNIT PRICE	PERMANENT COST	INTERIM/TEMP. COST	TOTAL COST
201(A)	0102	CLEARING AND GRUBBING	LSUM	1.00	-	\$ 33,000.00	\$ 33,000.00	\$ -	\$ 33,000.00
202(A)	0183	UNCLASSIFIED EXCAVATION	CY	506,600.00	-	\$ 5.00	\$ 2,533,000.00	\$ -	\$ 2,533,000.00
205(A)	4229	TYPE A-SALVAGED TOPSOIL	LSUM	1.00	-	\$ 17,000.00	\$ 17,000.00	\$ -	\$ 17,000.00
N/A	N/A	TEMPORARY EROSION CONTROL	LSUM	1.00	-	\$ 40,000.00	\$ 40,000.00	\$ -	\$ 40,000.00
230(A)	2806	SOLID SLAB SODDING	SY	99,212.00	-	\$ 2.00	\$ 198,424.00	\$ -	\$ 198,424.00
232(B)	2814	SEEDING METHOD B	AC	41.00	-	\$ 500.00	\$ 20,500.00	\$ -	\$ 20,500.00
233(A)	2817	VEGETATIVE MULCHING	AC	21.00	-	\$ 450.00	\$ 9,450.00	\$ -	\$ 9,450.00
241	2832	MOWING	AC	82.00	-	\$ 65.00	\$ 5,330.00	\$ -	\$ 5,330.00
242	0400	(PL)STABILIZED CONSTRUCTION EXIT	EA	7.00	-	\$ 1,700.00	\$ 11,900.00	\$ -	\$ 11,900.00
303(A)	2100	AGGREGATE BASE TYPE A	CY	7,802.00	2,907.00	\$ 35.00	\$ 273,070.00	\$ 101,745.00	\$ 374,815.00
307(K)	4300	STABILIZED SUBGRADE	SY	88,603.00	10,241.00	\$ 5.00	\$ 443,015.00	\$ 51,205.00	\$ 494,220.00
317	4270	CEMENT TREATED BASE	SY	51,568.00	-	\$ 13.00	\$ 670,384.00	\$ -	\$ 670,384.00
319(A)	5190	OPEN-GRADED BITUMINOUS BASE	SY	35,253.00	-	\$ 10.00	\$ 352,530.00	\$ -	\$ 352,530.00
325	5271	SEPARATOR FABRIC	SY	162,880.00	18,577.00	\$ 1.50	\$ 244,320.00	\$ 27,866.00	\$ 272,186.00
402(E)	0225	TRAFFIC BOUND SURFACE COURSE TYPE E	TON	1,998.00	1,412.00	\$ 25.00	\$ 49,950.00	\$ 35,300.00	\$ 85,250.00
408	5774	PRIME COAT	GAL	42,254.00	5,669.00	\$ 4.00	\$ 169,016.00	\$ 22,676.00	\$ 191,692.00
411(B)	5945	SUPERPAVE, TYPE S3(PG 64-22 OK)	TON	-	2,219.00	\$ 75.00	\$ -	\$ 166,425.00	\$ 166,425.00
411(C)	5960	SUPERPAVE, TYPE S4(PG 64-22 OK)	TON	-	711.00	\$ 90.00	\$ -	\$ 63,990.00	\$ 63,990.00
414(A)	0210	P.C.CONCRETE PAVEMENT (PLACEMENT)	SY	10,080.00	-	\$ 10.00	\$ 100,800.00	\$ -	\$ 100,800.00
414(B)	5725	DOWEL JOINTED P.C. CONCRETE PAVEMENT (PLACEMENT)	SY	70,459.00	-	\$ 15.00	\$ 1,056,885.00	\$ -	\$ 1,056,885.00
414(G)	5275	P.C. CONCRETE FOR PAVEMENT	CY	22,543.00	-	\$ 105.00	\$ 2,367,015.00	\$ -	\$ 2,367,015.00
504(E)	6190	42" F-SHAPED PARAPET	LF	10,677.00	-	\$ 80.00	\$ 854,160.00	\$ -	\$ 854,160.00
509(A)	0319	CLASS AA CONCRETE	CY	104.00	-	\$ 400.00	\$ 41,600.00	\$ -	\$ 41,600.00
510(A)	6333	RETAINING WALL	SY	1,762.00	-	\$ 500.00	\$ 881,000.00	\$ -	\$ 881,000.00
510(B)	6334	SOUND BARRIER WALL	SY	1,000.00	-	\$ 225.00	\$ 225,000.00	\$ -	\$ 225,000.00
511(A)	0332	REINFORCING STEEL	LB	14,189.00	-	\$ 1.00	\$ 14,189.00	\$ -	\$ 14,189.00
609(A)	0380	CONCRETE CURB (8" BARRIER-INTEGRAL)	LF	10,657.00	-	\$ 9.00	\$ 95,913.00	\$ -	\$ 95,913.00
610(B)	0604	6" CONCRETE DRIVEWAY	SY	2,167.00	-	\$ 50.00	\$ 108,350.00	\$ -	\$ 108,350.00
611(A)	2658	MANHOLE (5' DIAMETER)	EA	6.00	-	\$ 3,000.00	\$ 18,000.00	\$ -	\$ 18,000.00
611(G)	5113	INLET CI DES. 2 (B)	EA	22.00	-	\$ 3,500.00	\$ 77,000.00	\$ -	\$ 77,000.00
611(G)	5698	INLET - LONGITUDINAL BARRIER - TYPE II, DES. 1	EA	4.00	-	\$ 5,500.00	\$ 22,000.00	\$ -	\$ 22,000.00
613(A)	0491	18" R.C.PIPE CLASS III	LF	148.00	-	\$ 50.00	\$ 7,400.00	\$ -	\$ 7,400.00
613(A)	0492	24" R.C.PIPE CLASS III	LF	6,742.00	-	\$ 60.00	\$ 404,520.00	\$ -	\$ 404,520.00
613(A)	0494	36" R.C.PIPE CLASS III	LF	288.00	-	\$ 80.00	\$ 23,040.00	\$ -	\$ 23,040.00
613(L)	5726	18" PREFAB. CULVERT END SECTION, ROUND	EA	7.00	-	\$ 350.00	\$ 2,450.00	\$ -	\$ 2,450.00
613(L)	5730	24" PREFAB. CULVERT END SECTION, ROUND	EA	8.00	-	\$ 600.00	\$ 4,800.00	\$ -	\$ 4,800.00
613(L)	5734	36" PREFAB. CULVERT END SECTION, ROUND	EA	4.00	-	\$ 1,000.00	\$ 4,000.00	\$ -	\$ 4,000.00
619(A)	0920	REMOVAL OF STRUCTURES & OBSTRUCTIONS	LSUM	1.00	-	\$ 50,000.00	\$ 50,000.00	\$ -	\$ 50,000.00
619(B)	4727	REMOVAL OF CONCRETE PAVEMENT	SY	30,999.00	-	\$ 5.00	\$ 154,995.00	\$ -	\$ 154,995.00
619(B)	4728	REMOVAL OF ASPHALT PAVEMENT	SY	20,062.00	-	\$ 7.00	\$ 140,434.00	\$ -	\$ 140,434.00
619(B)	4763	REMOVAL OF CONCRETE PAVEMENT W/ ASPHALT OVERLAY	SY	247.00	-	\$ 8.00	\$ 1,976.00	\$ -	\$ 1,976.00
619(B)	4780	REMOVAL OF GUARDRAIL	LF	2,756.00	-	\$ 3.00	\$ 8,268.00	\$ -	\$ 8,268.00
619(B)	4915	REMOVAL OF CONCRETE MEDIAN BARRIER	LF	2,651.00	-	\$ 10.00	\$ 26,510.00	\$ -	\$ 26,510.00
627(A)	4317	CONCRETE LONGITUDINAL BARRIER DESIGN 1	LF	1,054.00	-	\$ 55.00	\$ 57,970.00	\$ -	\$ 57,970.00
871(A)	8330	(PL) IMPACT ATTENUATOR	EA	4.00	-	\$ 15,000.00	\$ 60,000.00	\$ -	\$ 60,000.00
877(A)	8483	PORTABLE LONGITUDINAL BARRIER	LF	-	244.00	\$ 60.00	\$ -	\$ 14,640.00	\$ 14,640.00
BRIDGE 0200									
619(D)	1397	REMOVAL OF EXISTING BRIDGE	LSUM	1.00	-	\$ 93,000.00	\$ 93,000.00	\$ -	\$ 93,000.00
N/A	N/A	CONSTRUCT NEW BRIDGE	LSUM	1.00	-	\$ 2,798,000.00	\$ 2,798,000.00	\$ -	\$ 2,798,000.00
619(D)	1397	REMOVAL OF EXISTING BRIDGE	LSUM	1.00	-	\$ 276,000.00	\$ 276,000.00	\$ -	\$ 276,000.00
N/A	N/A	CONSTRUCT NEW BRIDGE	LSUM	1.00	-	\$ 6,690,000.00	\$ 6,690,000.00	\$ -	\$ 6,690,000.00
619(D)	1397	REMOVAL OF EXISTING BRIDGE	LSUM	1.00	-	\$ 56,000.00	\$ 56,000.00	\$ -	\$ 56,000.00
N/A	N/A	CONSTRUCT NEW BRIDGE	LSUM	1.00	-	\$ 1,820,000.00	\$ 1,820,000.00	\$ -	\$ 1,820,000.00
619(D)	1397	PARTIAL DEMOLITION OF EXISTING BRIDGE	LSUM	1.00	-	\$ 315,000.00	\$ 315,000.00	\$ -	\$ 315,000.00
619(D)	N/A	WIDENING OF EXISTING BRIDGE	LSUM	1.00	-	\$ 11,781,000.00	\$ 11,781,000.00	\$ -	\$ 11,781,000.00
N/A	N/A	REHABILITATION OF EXIST. BRIDGE	LSUM	1.00	-	\$ 9,266,000.00	\$ 9,266,000.00	\$ -	\$ 9,266,000.00
N/A	N/A	CONSTRUCT NEW BRIDGE (R.C.B.)	LSUM	1.00	-	\$ 379,000.00	\$ 379,000.00	\$ -	\$ 379,000.00
TRAFFIC 0300									
N/A	N/A	CONSTRUCTION TRAFFIC CONTROL	LSUM	1.00	-	\$ 1,375,000.00	\$ 1,375,000.00	\$ -	\$ 1,375,000.00
N/A	N/A	PERMANENT TRAFFIC	LSUM	1.00	-	\$ 1,833,000.00	\$ 1,833,000.00	\$ -	\$ 1,833,000.00
LIGHTING 0400									
N/A	N/A	HIGHWAY LIGHTING	LSUM	1.00	-	\$ 688,000.00	\$ 688,000.00	\$ -	\$ 688,000.00
STAKING 0600									
642(B)	0096	CONSTRUCTION STAKING LEVEL 2	LSUM	1.00	-	\$ 736,000.00	\$ 736,000.00	\$ -	\$ 736,000.00
CONSTRUCTION 0640									
220	2800	SWPPP DOCUMENTATION AND MANAGEMENT	LSUM	1.00	-	\$ 30,000.00	\$ 30,000.00	\$ -	\$ 30,000.00
640(A)	1426	FIELD OFFICE	EA	1.00	-	\$ 10,000.00	\$ 10,000.00	\$ -	\$ 10,000.00
641	1552	MOBILIZATION	LSUM	1.00	-	\$ 2,172,300.00	\$ 2,172,300.00	\$ -	\$ 2,172,300.00

	PERMANENT COST	INTERIM/TEMP. COST	TOTAL COST
ROADWAY TOTAL	\$ 11,879,164.00	\$ 483,847.00	\$ 12,363,011.00
BRIDGE TOTAL	\$ 33,474,000.00	\$ -	\$ 33,474,000.00
TRAFFIC TOTAL	\$ 3,208,000.00	\$ -	\$ 3,208,000.00
LIGHTING TOTAL	\$ 688,000.00	\$ -	\$ 688,000.00
STAKING	\$ 736,000.00	\$ -	\$ 736,000.00
CONSTRUCTION	\$ 2,212,300.00	\$ -	\$ 2,212,300.00
PRELIM. GRAND TOTAL	\$52,197,464.00	\$ 483,847.00	\$ 52,681,311.00
CONTINGENCY 15%			\$ 7,902,200.00
<b>GRAND TOTAL ROUNDED</b>			<b>\$ 60,584,000.00</b>

Project: EC-1780 I-44 PE STUDY  
Proj No.  
J/P No. 32728

9/4/2018  
Garver Proj. No. 16037070

**ENGINEER'S OPINION OF PROBABLE COST**  
PLANNING LEVEL ESTIMATE  
I-44 PE STUDY (I-244 TO ARKANSAS RIVER)  
WORK PACKAGE 4 (WP-4)

ROADWAY 0100									
ITEM NO.	CODE NO.	DESCRIPTION	UNIT	PERMANENT QUANTITY	INTERIM/TEMP. QUANTITIES	UNIT PRICE	PERMANENT COST	INTERIM/TEMP. COST	TOTAL COST
201(A)	0102	CLEARING AND GRUBBING	LSUM	1.00	-	\$ 33,000.00	\$ 33,000.00	\$ -	\$ 33,000.00
202(A)	0183	UNCLASSIFIED EXCAVATION	CY	69,600.00	-	\$ 5.00	\$ 348,000.00	\$ -	\$ 348,000.00
202(D)	0184	UNCLASSIFIED BORROW	CY	40,800.00	-	\$ 8.00	\$ 326,400.00	\$ -	\$ 326,400.00
205(A)	4229	TYPE A-SALVAGED TOPSOIL	LSUM	1.00	-	\$ 17,000.00	\$ 17,000.00	\$ -	\$ 17,000.00
N/A	N/A	TEMPORARY EROSION CONTROL	LSUM	1.00	-	\$ 40,000.00	\$ 40,000.00	\$ -	\$ 40,000.00
230(A)	2806	SOLID SLAB SODDING	SY	63,802.00	-	\$ 2.00	\$ 127,604.00	\$ -	\$ 127,604.00
232(B)	2814	SEEDING METHOD B	AC	27.00	-	\$ 500.00	\$ 13,500.00	\$ -	\$ 13,500.00
233(A)	2817	VEGETATIVE MULCHING	AC	14.00	-	\$ 450.00	\$ 6,300.00	\$ -	\$ 6,300.00
241	2832	MOWING	AC	54.00	-	\$ 65.00	\$ 3,510.00	\$ -	\$ 3,510.00
242	0400	(PL)STABILIZED CONSTRUCTION EXIT	EA	7.00	-	\$ 1,700.00	\$ 11,900.00	\$ -	\$ 11,900.00
303(A)	2100	AGGREGATE BASE TYPE A	CY	23,803.00	5,834.00	\$ 35.00	\$ 833,105.00	\$ 204,190.00	\$ 1,037,295.00
307(K)	4300	STABILIZED SUBGRADE	SY	140,008.00	20,897.00	\$ 5.00	\$ 700,040.00	\$ 104,485.00	\$ 804,525.00
317	4270	CEMENT TREATED BASE	SY	28,660.00	-	\$ 13.00	\$ 372,580.00	\$ -	\$ 372,580.00
319(A)	5190	OPEN-GRADED BITUMINOUS BASE	SY	103,228.00	-	\$ 10.00	\$ 1,032,280.00	\$ -	\$ 1,032,280.00
325	5271	SEPARATOR FABRIC	SY	357,431.00	40,087.00	\$ 1.50	\$ 536,147.00	\$ 60,131.00	\$ 596,278.00
402(E)	0225	TRAFFIC BOUND SURFACE COURSE TYPE E	TON	4,807.00	8,297.00	\$ 25.00	\$ 120,175.00	\$ 207,425.00	\$ 327,600.00
408	5774	PRIME COAT	GAL	75,522.00	11,520.00	\$ 4.00	\$ 302,088.00	\$ 46,080.00	\$ 348,168.00
411(B)	5935	SUPERPAVE, TYPE S3(PG 76 -28 OK)	TON	-	6,807.00	\$ 80.00	\$ -	\$ 544,560.00	\$ 544,560.00
411(B)	5945	SUPERPAVE, TYPE S3(PG 64-22 OK)	TON	-	486.00	\$ 75.00	\$ -	\$ 36,450.00	\$ 36,450.00
411(C)	5950	SUPERPAVE, TYPE S4(PG 76 -28 OK)	TON	-	1,291.00	\$ 90.00	\$ -	\$ 116,190.00	\$ 116,190.00
411(C)	5960	SUPERPAVE, TYPE S4(PG 64 -22 OK)	TON	-	158.00	\$ 90.00	\$ -	\$ 14,220.00	\$ 14,220.00
414(A)	0210	P.C.CONCRETE PAVEMENT (PLACEMENT)	SY	35,497.00	-	\$ 10.00	\$ 354,970.00	\$ -	\$ 354,970.00
414(B)	5725	DOWEL JOINTED P.C. CONCRETE PAVEMENT (PLACEMENT)	SY	89,652.00	-	\$ 15.00	\$ 1,344,780.00	\$ -	\$ 1,344,780.00
414(G)	5275	P.C. CONCRETE FOR PAVEMENT	CY	37,011.00	-	\$ 105.00	\$ 3,886,155.00	\$ -	\$ 3,886,155.00
504(E)	6190	42" F-SHAPED PARAPET	LF	13,267.00	-	\$ 80.00	\$ 1,061,360.00	\$ -	\$ 1,061,360.00
509(A)	0319	CLASS AA CONCRETE	CY	718.00	-	\$ 400.00	\$ 287,200.00	\$ -	\$ 287,200.00
510(A)	6333	RETAINING WALL	SY	357.00	-	\$ 500.00	\$ 178,500.00	\$ -	\$ 178,500.00
510(B)	6334	SOUND BARRIER WALL	SY	1,000.00	-	\$ 225.00	\$ 225,000.00	\$ -	\$ 225,000.00
511(A)	0332	REINFORCING STEEL	LB	96,459.00	-	\$ 1.00	\$ 96,459.00	\$ -	\$ 96,459.00
609(A)	0288	CONCRETE CURB (6" MNTBLE-INTEGRAL)	LF	1,764.00	-	\$ 4.50	\$ 7,938.00	\$ -	\$ 7,938.00
609(A)	0380	CONCRETE CURB (8" BARRIER-INTEGRAL)	LF	4,761.00	-	\$ 9.00	\$ 42,849.00	\$ -	\$ 42,849.00
610(B)	0604	6" CONCRETE DRIVEWAY	SY	3,379.00	-	\$ 50.00	\$ 168,950.00	\$ -	\$ 168,950.00
610(C)	0604	6" CONCRETE DIVIDING STRIP	SY	42.00	-	\$ 45.00	\$ 1,890.00	\$ -	\$ 1,890.00
611(A)	2658	MANHOLE (5' DIAMETER)	EA	6.00	-	\$ 3,000.00	\$ 18,000.00	\$ -	\$ 18,000.00
611(G)	5113	INLET CI DES. 2 (B)	EA	20.00	-	\$ 3,500.00	\$ 70,000.00	\$ -	\$ 70,000.00
611(G)	5698	INLET - LONGITUDINAL BARRIER - TYPE II, DES. 1	EA	20.00	-	\$ 5,500.00	\$ 110,000.00	\$ -	\$ 110,000.00
613(A)	0491	18" R.C.PIPE CLASS III	LF	375.00	-	\$ 50.00	\$ 18,750.00	\$ -	\$ 18,750.00
613(A)	0492	24" R.C.PIPE CLASS III	LF	11,613.00	-	\$ 60.00	\$ 696,780.00	\$ -	\$ 696,780.00
613(A)	0494	36" R.C.PIPE CLASS III	LF	327.00	-	\$ 80.00	\$ 26,160.00	\$ -	\$ 26,160.00
613(L)	5726	18" PREFAB. CULVERT END SECTION, ROUND	EA	4.00	-	\$ 350.00	\$ 1,400.00	\$ -	\$ 1,400.00
613(L)	5730	24" PREFAB. CULVERT END SECTION, ROUND	EA	10.00	-	\$ 600.00	\$ 6,000.00	\$ -	\$ 6,000.00
613(L)	5734	36" PREFAB. CULVERT END SECTION, ROUND	EA	1.00	-	\$ 1,000.00	\$ 1,000.00	\$ -	\$ 1,000.00
619(A)	0920	REMOVAL OF STRUCTURES & OBSTRUCTIONS	LSUM	1.00	-	\$ 50,000.00	\$ 50,000.00	\$ -	\$ 50,000.00
619(B)	4727	REMOVAL OF CONCRETE PAVEMENT	SY	36,986.00	-	\$ 5.00	\$ 184,930.00	\$ -	\$ 184,930.00
619(B)	4728	REMOVAL OF ASPHALT PAVEMENT	SY	14,857.00	-	\$ 7.00	\$ 103,999.00	\$ -	\$ 103,999.00
619(B)	4763	REMOVAL OF CONCRETE PAVEMENT W/ ASPHALT OVERLAY	SY	49,970.00	-	\$ 8.00	\$ 399,760.00	\$ -	\$ 399,760.00
619(B)	4780	REMOVAL OF GUARDRAIL	LF	3,323.00	-	\$ 3.00	\$ 9,969.00	\$ -	\$ 9,969.00
627(A)	4317	CONCRETE LONGITUDINAL BARRIER DESIGN 1	LF	5,788.00	-	\$ 55.00	\$ 318,340.00	\$ -	\$ 318,340.00
871(A)	8330	(PL) IMPACT ATTENUATOR	EA	5.00	-	\$ 15,000.00	\$ 75,000.00	\$ -	\$ 75,000.00
877(A)	8483	PORTABLE LONGITUDINAL BARRIER	LF	-	498.00	\$ 60.00	\$ -	\$ 29,880.00	\$ 29,880.00
BRIDGE 0200									
N/A	N/A	CONSTRUCT NEW BRIDGE	LSUM	1.00	-	\$ 10,658,000.00	\$ 10,658,000.00	\$ -	\$ 10,658,000.00
TRAFFIC 0300									
N/A	N/A	CONSTRUCTION TRAFFIC CONTROL	LSUM	1.00	-	\$ 798,000.00	\$ 798,000.00	\$ -	\$ 798,000.00
N/A	N/A	PERMANENT TRAFFIC	LSUM	1.00	-	\$ 1,064,000.00	\$ 1,064,000.00	\$ -	\$ 1,064,000.00
LIGHTING 0400									
N/A	N/A	HIGHWAY LIGHTING	LSUM	1.00	-	\$ 399,000.00	\$ 399,000.00	\$ -	\$ 399,000.00
STAKING 0600									
642(B)	0096	CONSTRUCTION STAKING LEVEL 2	LSUM	1.00	-	\$ 427,000.00	\$ 427,000.00	\$ -	\$ 427,000.00
CONSTRUCTION 0640									
220	2800	SWPPP DOCUMENTATION AND MANAGEMENT	LSUM	1.00	-	\$ 30,000.00	\$ 30,000.00	\$ -	\$ 30,000.00
640(A)	1426	FIELD OFFICE	EA	1.00	-	\$ 10,000.00	\$ 10,000.00	\$ -	\$ 10,000.00
641	1552	MOBILIZATION	LSUM	1.00	-	\$ 1,289,300.00	\$ 1,289,300.00	\$ -	\$ 1,289,300.00

	PERMANENT COST	INTERIM/TEMP. COST	TOTAL COST
ROADWAY TOTAL	\$ 14,569,768.00	\$ 1,363,611.00	\$ 15,933,379.00
BRIDGE TOTAL	\$ 10,658,000.00	\$ -	\$ 10,658,000.00
TRAFFIC TOTAL	\$ 1,862,000.00	\$ -	\$ 1,862,000.00
LIGHTING TOTAL	\$ 399,000.00	\$ -	\$ 399,000.00
STAKING	\$ 427,000.00	\$ -	\$ 427,000.00
CONSTRUCTION	\$ 1,329,300.00	\$ -	\$ 1,329,300.00
PRELIM. GRAND TOTAL	\$29,245,068.00	\$ 1,363,611.00	\$ 30,608,679.00
CONTINGENCY 15%			\$ 4,591,400.00
<b>GRAND TOTAL ROUNDED</b>			<b>\$ 35,201,000.00</b>

Project: EC-1780 I-44 PE STUDY  
Proj No.  
J/P No. 32728

9/7/2018  
Garver Proj. No. 16037070

**ENGINEER'S OPINION OF PROBABLE COST**  
PLANNING LEVEL ESTIMATE  
I-44 PE STUDY (I-244 TO ARKANSAS RIVER)  
WORK PACKAGE 5 (WP-5)

ROADWAY 0100										
ITEM NO.	CODE NO.	DESCRIPTION	UNIT	PERMANENT QUANTITY	INTERIM/TEMP. QUANTITIES	UNIT PRICE	PERMANENT COST	INTERIM/TEMP. COST	TOTAL COST	
201(A)	0102	CLEARING AND GRUBBING	LSUM	1.00	-	\$ 33,000.00	\$ 33,000.00	\$ -	\$ 33,000.00	
202(A)	0183	UNCLASSIFIED EXCAVATION	CY	86,500.00	-	\$ 5.00	\$ 432,500.00	\$ -	\$ 432,500.00	
202(D)	0184	UNCLASSIFIED BORROW	CY	194,400.00	-	\$ 8.00	\$ 1,555,200.00	\$ -	\$ 1,555,200.00	
205(A)	4229	TYPE A-SALVAGED TOPSOIL	LSUM	1.00	-	\$ 17,000.00	\$ 17,000.00	\$ -	\$ 17,000.00	
N/A	N/A	TEMPORARY EROSION CONTROL	LSUM	1.00	-	\$ 40,000.00	\$ 40,000.00	\$ -	\$ 40,000.00	
230(A)	2806	SOLID SLAB SODDING	SY	74,857.00	-	\$ 2.00	\$ 149,714.00	\$ -	\$ 149,714.00	
232(B)	2814	SEEDING METHOD B	AC	31.00	-	\$ 500.00	\$ 15,500.00	\$ -	\$ 15,500.00	
233(A)	2817	VEGETATIVE MULCHING	AC	16.00	-	\$ 450.00	\$ 7,200.00	\$ -	\$ 7,200.00	
241	2832	MOWING	AC	62.00	-	\$ 65.00	\$ 4,030.00	\$ -	\$ 4,030.00	
242	0400	(PL)STABILIZED CONSTRUCTION EXIT	EA	7.00	-	\$ 1,700.00	\$ 11,900.00	\$ -	\$ 11,900.00	
303(A)	2100	AGGREGATE BASE TYPE A	CY	14,794.00	2,177.00	\$ 35.00	\$ 517,790.00	\$ 76,195.00	\$ 593,985.00	
307(K)	4300	STABILIZED SUBGRADE	SY	99,759.00	6,529.00	\$ 5.00	\$ 498,795.00	\$ 32,645.00	\$ 531,440.00	
317	4270	CEMENT TREATED BASE	SY	29,960.00	-	\$ 13.00	\$ 389,480.00	\$ -	\$ 389,480.00	
319(A)	5190	OPEN-GRADED BITUMINOUS BASE	SY	63,879.00	-	\$ 10.00	\$ 638,790.00	\$ -	\$ 638,790.00	
325	5271	SEPARATOR FABRIC	SY	238,678.00	17,897.00	\$ 1.50	\$ 358,017.00	\$ 26,846.00	\$ 384,863.00	
402(E)	0225	TRAFFIC BOUND SURFACE COURSE TYPE E	TON	6,280.00	3,370.00	\$ 25.00	\$ 157,000.00	\$ 84,250.00	\$ 241,250.00	
408	5774	PRIME COAT	GAL	52,558.00	4,227.00	\$ 4.00	\$ 210,232.00	\$ 16,908.00	\$ 227,140.00	
411(B)	5935	SUPERPAVE, TYPE S3(PG 76 -28 OK)	TON	-	2,822.00	\$ 80.00	\$ -	\$ 225,760.00	\$ 225,760.00	
411(C)	5950	SUPERPAVE, TYPE S4(PG 76 -28 OK)	TON	-	535.00	\$ 90.00	\$ -	\$ 48,150.00	\$ 48,150.00	
414(A)	0210	P.C.CONCRETE PAVEMENT (PLACEMENT)	SY	24,992.00	-	\$ 10.00	\$ 249,920.00	\$ -	\$ 249,920.00	
414(B)	5725	DOWEL JOINTED P.C. CONCRETE PAVEMENT (PLACEMENT)	SY	62,943.00	-	\$ 15.00	\$ 944,145.00	\$ -	\$ 944,145.00	
414(G)	5275	P.C. CONCRETE FOR PAVEMENT	CY	25,635.00	-	\$ 105.00	\$ 2,691,675.00	\$ -	\$ 2,691,675.00	
504(E)	6190	42" F-SHAPED PARAPET	LF	4,633.00	-	\$ 80.00	\$ 370,640.00	\$ -	\$ 370,640.00	
509(A)	0319	CLASS AA CONCRETE	CY	163.00	-	\$ 400.00	\$ 65,200.00	\$ -	\$ 65,200.00	
510(A)	6333	RETAINING WALL	SY	1,050.00	-	\$ 500.00	\$ 525,000.00	\$ -	\$ 525,000.00	
510(B)	6334	SOUND BARRIER WALL	SY	1,000.00	-	\$ 225.00	\$ 225,000.00	\$ -	\$ 225,000.00	
511(A)	0332	REINFORCING STEEL	LB	19,948.00	-	\$ 1.00	\$ 19,948.00	\$ -	\$ 19,948.00	
609(A)	0380	CONCRETE CURB (8" BARRIER-INTEGRAL)	LF	8,049.00	-	\$ 9.00	\$ 72,441.00	\$ -	\$ 72,441.00	
610(B)	0604	6" CONCRETE DRIVEWAY	SY	2,087.00	-	\$ 50.00	\$ 104,350.00	\$ -	\$ 104,350.00	
611(A)	2658	MANHOLE (5' DIAMETER)	EA	6.00	-	\$ 3,000.00	\$ 18,000.00	\$ -	\$ 18,000.00	
611(G)	5113	INLET CI DES. 2 (B)	EA	17.00	-	\$ 3,500.00	\$ 59,500.00	\$ -	\$ 59,500.00	
611(G)	5698	INLET - LONGITUDINAL BARRIER - TYPE II, DES. 1	EA	9.00	-	\$ 5,500.00	\$ 49,500.00	\$ -	\$ 49,500.00	
613(A)	0492	24" R.C.PIPE CLASS III	LF	7,648.00	-	\$ 60.00	\$ 458,880.00	\$ -	\$ 458,880.00	
613(A)	0493	30" R.C.PIPE CLASS III	LF	48.00	-	\$ 70.00	\$ 3,360.00	\$ -	\$ 3,360.00	
613(L)	5730	24" PREFAB. CULVERT END SECTION, ROUND	EA	6.00	-	\$ 600.00	\$ 3,600.00	\$ -	\$ 3,600.00	
613(L)	5732	30" PREFAB. CULVERT END SECTION, ROUND	EA	2.00	-	\$ 750.00	\$ 1,500.00	\$ -	\$ 1,500.00	
619(A)	0920	REMOVAL OF STRUCTURES & OBSTRUCTIONS	LSUM	1.00	-	\$ 50,000.00	\$ 50,000.00	\$ -	\$ 50,000.00	
619(B)	4727	REMOVAL OF CONCRETE PAVEMENT	SY	13,801.00	-	\$ 5.00	\$ 69,005.00	\$ -	\$ 69,005.00	
619(B)	4728	REMOVAL OF ASPHALT PAVEMENT	SY	24,955.00	-	\$ 7.00	\$ 174,685.00	\$ -	\$ 174,685.00	
619(B)	4763	REMOVAL OF CONCRETE PAVEMENT W/ ASPHALT OVERLAY	SY	25,290.00	-	\$ 8.00	\$ 202,320.00	\$ -	\$ 202,320.00	
619(B)	4780	REMOVAL OF GUARDRAIL	LF	3,478.00	-	\$ 3.00	\$ 10,434.00	\$ -	\$ 10,434.00	
619(B)	4915	REMOVAL OF CONCRETE MEDIAN BARRIER	LF	7,081.00	-	\$ 10.00	\$ 70,810.00	\$ -	\$ 70,810.00	
619(B)	5190	REMOVAL OF CABLE BARRIER	LF	2,072.00	-	\$ 5.00	\$ 10,360.00	\$ -	\$ 10,360.00	
627(A)	4317	CONCRETE LONGITUDINAL BARRIER DESIGN 1	LF	2,662.00	-	\$ 55.00	\$ 146,410.00	\$ -	\$ 146,410.00	
871(A)	8330	(PL) IMPACT ATTENUATOR	EA	4.00	-	\$ 15,000.00	\$ 60,000.00	\$ -	\$ 60,000.00	
BRIDGE 0200										
N/A	N/A	CONSTRUCT NEW BRIDGE	US-75 OVER 51ST STREET	LSUM	1.00	-	\$ 3,990,000.00	\$ 3,990,000.00	\$ -	\$ 3,990,000.00
619(D)	1397	REMOVAL OF EXISTING BRIDGE	US-75 OVER 46TH STREET	LSUM	1.00	-	\$ 144,000.00	\$ 144,000.00	\$ -	\$ 144,000.00
N/A	N/A	CONSTRUCT NEW BRIDGE	US-75 OVER 49TH STREET	LSUM	1.00	-	\$ 8,912,500.00	\$ 8,912,500.00	\$ -	\$ 8,912,500.00
619(D)	1397	REMOVAL OF EXISTING BRIDGE (NOT REPLACED)	US-75 OVER 49TH STREET	LSUM	1.00	-	\$ 226,000.00	\$ 226,000.00	\$ -	\$ 226,000.00
N/A	N/A	CONSTRUCT NEW BRIDGE	SB US-75 TO EB I-44	LSUM	1.00	-	\$ 8,376,000.00	\$ 8,376,000.00	\$ -	\$ 8,376,000.00
N/A	N/A	CONSTRUCT NEW BRIDGE	SB US-75 TO WB I-44	LSUM	1.00	-	\$ 1,354,000.00	\$ 1,354,000.00	\$ -	\$ 1,354,000.00
TRAFFIC 0300										
N/A	N/A	CONSTRUCTION TRAFFIC CONTROL	LSUM	1.00	-	\$ 856,000.00	\$ 856,000.00	\$ -	\$ 856,000.00	
N/A	N/A	PERMANENT TRAFFIC	LSUM	1.00	-	\$ 1,208,000.00	\$ 1,208,000.00	\$ -	\$ 1,208,000.00	
LIGHTING 0400										
N/A	N/A	HIGHWAY LIGHTING	LSUM	1.00	-	\$ 528,000.00	\$ 528,000.00	\$ -	\$ 528,000.00	
STAKING 0600										
642(B)	0096	CONSTRUCTION STAKING LEVEL 2	LSUM	1.00	-	\$ 560,000.00	\$ 560,000.00	\$ -	\$ 560,000.00	
CONSTRUCTION 0640										
220	2800	SWPPP DOCUMENTATION AND MANAGEMENT	LSUM	1.00	-	\$ 30,000.00	\$ 30,000.00	\$ -	\$ 30,000.00	
640(A)	1426	FIELD OFFICE	EA	1.00	-	\$ 10,000.00	\$ 10,000.00	\$ -	\$ 10,000.00	
641	1552	MOBILIZATION	LSUM	1.00	-	\$ 1,667,600.00	\$ 1,667,600.00	\$ -	\$ 1,667,600.00	

	PERMANENT COST	INTERIM/TEMP. COST	TOTAL COST
ROADWAY TOTAL	\$ 11,692,831.00	\$ 510,754.00	\$ 12,203,585.00
BRIDGE TOTAL	\$ 23,002,500.00	\$ -	\$ 23,002,500.00
TRAFFIC TOTAL	\$ 2,064,000.00	\$ -	\$ 2,064,000.00
LIGHTING TOTAL	\$ 528,000.00	\$ -	\$ 528,000.00
STAKING	\$ 560,000.00	\$ -	\$ 560,000.00
CONSTRUCTION	\$ 1,707,600.00	\$ -	\$ 1,707,600.00
PRELIM. GRAND TOTAL	\$39,554,931.00	\$ 510,754.00	\$ 40,065,685.00
CONTINGENCY 15%			\$ 6,009,900.00
<b>GRAND TOTAL ROUNDED</b>			<b>\$ 46,076,000.00</b>