

TRAFFIC DESIGN

PROJECT ENGINEER : J. SHORT  
SQUAD SUPERVISOR : S. WILLIAMS

BRIDGE DESIGN

SQUAD SUPERVISOR : R. HENSLEY  
SQUAD MEMBERS : T. ELDRIDGE, P. GAFFORD, B. JONES, D. NASH, M. WANZER

ENGINEERING MANAGER : P. DEFRANCO, PE  
ENGINEER : C. OSBORNE, PE

STATE OF OKLAHOMA  
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED  
U.S. HIGHWAY

FEDERAL AID PROJECT NO. STP-NBIP(503)3B  
DIVISION ONE PREVENTIVE MAINTENANCE PAINT PROJECT  
US-64 OVER WEST NEGRO CREEK

SEQUOYAH COUNTY

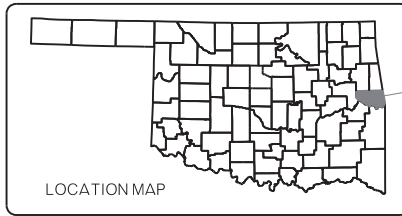
CONTROL SECTION NO. 64-68-10  
STATE JOB NO. 31695(04)  
BRIDGE "A" LOCATION NO. 6806-1087X  
EXISTING NBI NO. 03703

MANDATORY TIE:

THIS PROJECT IS MANDATORILY TIED WITH  
WITH JOB PIECE NO. 27954(04) AND 27955(04)  
AND SHALL BE BID ACCORDINGLY.

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				
DESCRIPTION		REVISIONS	DATE		



SEQUOYAH

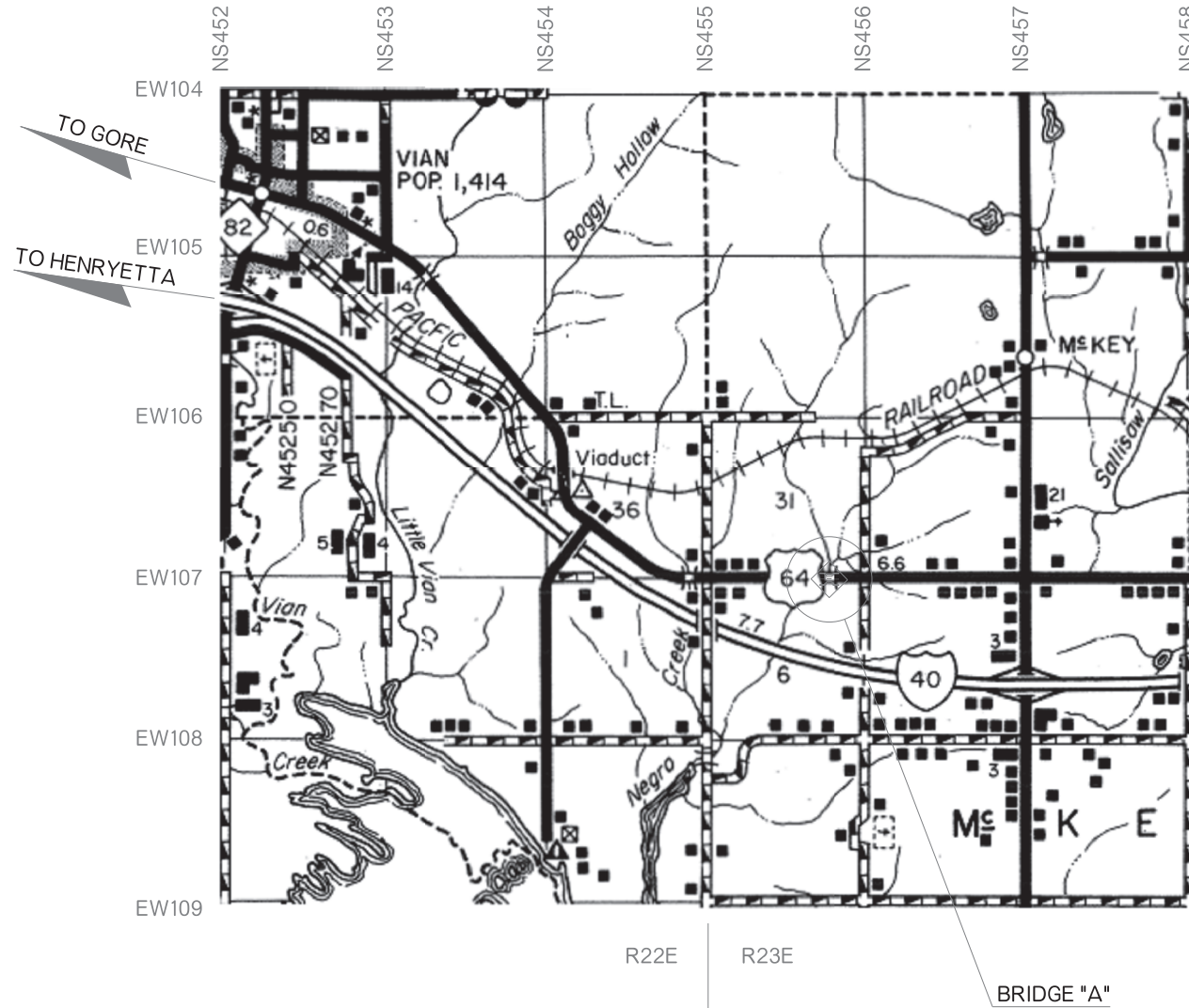
INDEX OF SHEETS

SHEET NUMBER	SHEET DESCRIPTION
0001	TITLE SHEET
AB01	GENERAL NOTES AND SUMMARY OF PAY QUANTITIES (BRIDGE)
AT01	SUMMARY OF PAY QUANTITIES AND NOTES (TRAFFIC CONTROL)
B001	GENERAL PLAN & TYPICAL SECTION (BRIDGE "A")
T001	TRAFFIC CONTROL DETAIL

STANDARDS TO BE INCLUDED

TRAFFIC

- TCS1-1-01
- TCS2-1-00
- TCS3-1-01
- TCS4-1-01
- TCS5-1-00
- TCS6-1-02
- TCS7-1-02
- TCS9-1-01
- TCS11-1-01
- TCS14-1-00
- TCS15-1-00
- TCS20-1-00
- TCS21-1-02



SCALES

PLAN 1" = 100'

PROFILE HOR. 1" = 100'

VER. 1" = 10'

LAYOUT MAP 1" = 5,280'

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
- OILWELL
- 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:  
OKLAHOMA DEPARTMENT OF TRANSPORTATION  
BRIDGE DESIGN DIVISION  
*Patty F. DeFranco*  
PATTY F. DEFRANCO, P.E.  
OKLA. REG. NO. 20916  
DATE 6/14/16

OKLAHOMA DEPARTMENT OF TRANSPORTATION	DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION
DATE APPROVED _____	DATE APPROVED _____
BY _____ CHIEF ENGINEER	BY _____ DIVISION ADMINISTRATOR
SWO _____	PROJECT NO. STP-NBIP(503)3B
COUNTY SEQUOYAH	HIGHWAY US-64 SHEET NO. 0001

P.E. NO. : 31695(01)

REVISIONS		
REV. NO.	DESCRIPTION	DATE
△	ADD NOTES	08/15/16

**GENERAL NOTES**

**SPECIFICATIONS:**

COMPLY WITH THE REQUIREMENTS OF THE 2009 STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EXCEPT AS MODIFIED BY THE PLANS AND SPECIAL PROVISIONS.

**PLANS:**

CONSTRUCTION PLANS FOR THE EXISTING STRUCTURES MAY BE OBTAINED FROM OFFICE SERVICES DIVISION OF THE OKLAHOMA DEPARTMENT OF TRANSPORTATION.

OFFICE SERVICES DIVISION  
OKLAHOMA DEPARTMENT OF TRANSPORTATION  
200 NE 21ST STREET  
OKLAHOMA CITY, OKLAHOMA 73105

ASK FOR:  
FAP-150 "C" BR., US-64 OVER WEST NEGRO CREEK IN SEQUOYAH COUNTY.

**VERIFICATION OF EXISTING CONDITIONS:**

ALL DIMENSIONS OF THE EXISTING BRIDGE COMPONENTS SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS NECESSARY TO COMPLETE THE PROJECT AS DESCRIBED AND SHALL BE SOLELY RESPONSIBLE FOR THE ACCURACY THEREOF.

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

**EXPOSURE OF DETERIORATED STRUCTURAL STEEL:**

IF ANY DETERIORATED STRUCTURAL STEEL IS EXPOSED DURING SAND BLASTING, THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE ENGINEER, WHO IN TURN SHALL NOTIFY THE BRIDGE ENGINEER AS TO THE EXTENT OF THE DAMAGE. THE BRIDGE ENGINEER SHALL DETERMINE IF ANY REPAIRS ARE NECESSARY AND IF SO, WHAT METHOD OF REPAIR SHALL BE USED.

**REMOVED MATERIAL:**

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

**CLEANING BRIDGE SEATS AND PIER CAPS:**

ALL BRIDGE SEATS AND PIER CAPS SHALL BE SWEEP CLEAN OF ALL DEBRIS. ALL COSTS FOR CLEANING THE BRIDGE SEATS AND PIER CAPS SHALL BE PAID FOR IN OTHER ITEMS OF WORK.

**LANE CLOSURE:**

THE ENGINEER RESERVES THE RIGHT TO PROHIBIT LANE CLOSURES DURING HOLIDAYS OR SPECIAL EVENTS.

**PAY ITEM NOTES**

**(1) PAINT REMOVAL AND PAINTING STRUCTURAL STEEL (BRIDGE "A"):**

ALL STRUCTURAL STEEL OF BRIDGE "A" INCLUDING BEAMS, DIAPHRAGM COMPONENTS, CONNECTION ASSEMBLIES, BEARING ASSEMBLIES, DRAIN PIPES, AND ANY STEEL USED FOR REPAIRS SHALL BE CLEANED AND PAINTED. A QP-2 WILL BE REQUIRED FOR THIS PROJECT. ALTERNATIVELY, THE CONTRACTOR MAY HAVE PERSONNEL WITH SSPCC-3 SUPERVISOR/COMPETENT PERSON TRAINING FOR DELEADING OF INDUSTRIAL STRUCTURES. IF THE CONTRACTOR ELECTS TO USE THE C-3 TRAINING, THEY MUST PROVIDE A CURRENT CERTIFICATE SHOWING SUCCESSFUL COMPLETION OF THE C-3 TRAINING. THE CERTIFICATE MUST BE PROVIDED WITH THEIR BID PROPOSAL OR NOT LATER THAN THE WEDNESDAY FOLLOWING THE BID LETTING. IN ADDITION, THE SUPERVISOR WITH THE C-3 LEAD TRAINING WILL BE REQUIRED TO BE PRESENT AT THE PROJECT SITE THE ENTIRE TIME THAT DELEADING OPERATIONS ARE TAKING PLACE ON THE PROJECT SITE. THE EXISTING PAINT SYSTEM CONTAINS LEAD PAINT.

THE WEIGHT OF STRUCTURAL STEEL TO BE PAINTED FOR THE BRIDGES WAS ESTIMATED FROM THE EXISTING BRIDGE PLANS AND OBSOLETE STANDARDS LISTED THEREIN. THE STATE ASSUMES NO RESPONSIBILITY FOR THE ACCURACY THEREOF. NO COMPENSATION WILL BE ALLOWED FOR ERRORS IN THE ESTIMATED WEIGHT. THE ESTIMATED WEIGHT, THE ESTIMATED WEIGHTS OF STRUCTURAL STEEL FOR THE BRIDGES ARE:

BRIDGE "A": 7,200 POUNDS (APPROXIMATELY 2,849 S.F.)

ESTIMATED WEIGHTS AND AREAS ARE PROVIDED FOR CONTRACTOR'S CONVENIENCE. ACTUAL QUANTITIES MAY VARY.

ALL COSTS INCLUDING LABOR, EQUIPMENT, MATERIAL, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK DESCRIBED ABOVE AND AS SHOWN IN THE PLANS SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR "PAINTING EXISTING STRUCTURE" AND THE LUMP SUM PRICE BID FOR "COLLECTION AND HANDLING OF WASTE".

**ENVIRONMENTAL MITIGATION NOTES**

**404 PERMIT AND DEQ STORM WATER PERMIT REQUIREMENTS OVER WATERS:**

IF THE CONTRACTOR ELECTS TO BUILD A WORK ROAD(S) WITHIN THE LIMITS OF THE CHANNEL IN ORDER TO PERFORM WORK, THE CONTRACTOR WILL BE RESPONSIBLE FOR EFFECTIVE EROSION AND SEDIMENT CONTROL IN ACCORDANCE WITH THE CORPS OF ENGINEERS 404 PERMIT WHICH IS INCLUDED IN THE CONTRACT.

IF THE AREA OF DISTURBANCE IS (1) OR MORE ACRES AND IS NOT ALREADY COVERED BY A DEQ PERMIT, THE CONTRACTOR WILL BE REQUIRED TO OBTAIN A DEQ STORM WATER CONSTRUCTION PERMIT WHICH WILL INCLUDE AN APPLICATION (NOTICE OF INTENT) TO DEQ PRIOR TO EARTH DISTURBING ACTIVITIES, A STORM WATER POLLUTION PREVENTION PLAN AND THE INSTALLATION AND MAINTENANCE OF EROSION AND SEDIMENT CONTROLS.

ALL TEMPORARY WORK ROADS MUST BE REMOVED IN THEIR ENTIRETY AND THE AFFECTED AREAS RETURNED TO PRECONSTRUCTION CONDITIONS. IN ADDITION, THE CONTRACTOR WILL BE RESPONSIBLE FOR PERMANENT STABILIZATION MEASURES AFTER REMOVAL OF THE WORK ROAD(S). ALL COSTS ASSOCIATED WITH THE CONTRACTORS' WORK ROAD INCLUDING A DEQ PERMIT, EROSION AND SEDIMENT CONTROLS AND PERMANENT STABILIZATION, ETC. WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

**GOOD-HOUSEKEEPING REQUIREMENT:**

MATERIAL STORAGE, CHEMICAL STORAGE, TRASH, SANITARY FACILITIES, ETC. SHOULD BE LOCATED NO CLOSER THAN 50 FEET FROM THE BANK OF ANY WATERS IN ORDER TO PROTECT WATER QUALITY.

DEBRIS SHALL NOT BE BURIED WITHIN LIMITS OF RIGHT-OF-WAY.

**△ BAT BRIDGE REMOVAL/MODIFICATION NOTE:**

AN INSPECTION OF BRIDGE NBI# 03703 WAS MADE ON 6/26/2016. THERE WAS NO EVIDENCE THE BRIDGE WAS BEING USED BY BATS. THIS INSPECTION IS GOOD FOR THE 2016 ACTIVE SEASON ONLY. BRIDGE REPAIRS NEED TO BE COMPLETED BY MARCH 31, 2017. IF THE BRIDGE REPAIR IS NOT COMPLETED BY MARCH 31, 2017, THE RESIDENT ENGINEER SHALL CONTACT THE ODOT BIOLOGIST (521-2515) TO SCHEDULE ANOTHER INSPECTION. IF THE INSPECTION IS NEGATIVE THE PROJECT MAY PROCEED. IF THE INSPECTION IS POSITIVE AN ACOUSTIC SURVEY MAY BE SCHEDULED BETWEEN MAY 15 AND AUGUST 15. IF LISTED BAT SPECIES ARE DETECTED, THE ODOT BIOLOGICAL RESOURCES PROGRAM WILL CONSULT WITH THE US FISH AND WILDLIFE SERVICE, AND THE PROJECT MUST BE CONDUCTED BETWEEN NOVEMBER 16 AND MARCH 31ST. ANY DELAY DUE TO THIS WILL NOT BE COMPENSATED.

**△ MIGRATORY BIRD NOTES:**

MIGRATORY BIRDS ARE PROTECTED BY THE FEDERAL MIGRATORY BIRD TREATY ACT. THESE BIRDS COMMONLY USE BRIDGES AND CULVERTS FOR NESTING. THE NESTING SEASON FOR THE BIRDS RUNS FROM APRIL 1 TO AUGUST 31. ANY ACTIVITIES WHICH WOULD DESTROY ACTIVE NESTS OR HARM EGGS OR BIRDS WOULD VIOLATE THE MIGRATORY BIRD TREATY ACT. MIGRATORY BIRD USE OF BRIDGE NBI# 03703 HAS BEEN OBSERVED DURING THE INITIAL SURVEY CONDUCTED AS PART OF THE BIOLOGICAL STUDIES IN 2016. MIGRATORY BIRDS MAY OCCUPY THIS STRUCTURE IN FUTURE NESTING SEASONS. THE RESIDENT ENGINEER WILL EVALUATE THE CONTRACTOR'S PROPOSED WORK METHODS AND CONCLUDE WHETHER THE PROPOSED WORK WOULD POSE DISRUPTION TO ANY NESTING BIRDS BEFORE WORK NEAR THE STRUCTURE IS AUTHORIZED. IF THE PROPOSED WORK WILL HARM ANY NESTING BIRDS, THE BRIDGE MAY BE NETTED PRIOR TO APRIL 1 OR THE WORK DELAYED UNTIL THE NESTING SEASON IS COMPLETE. METHODS OTHER THAN NETTING MUST BE PRE-APPROVED BY THE ODOT BIOLOGIST.

THIS PROJECT IS MANDATORILY TIED WITH 27954(04) AND 27955(04). THE PRICE BID FOR 27954(04) SHALL INCLUDE ALL COSTS OF MOBILIZATION REQUIRED FOR 27954(04), 27955(04) AND 31695(04).

PAY QUANTITIES				
ITEM		DESCRIPTION	UNIT	QUANTITY
0200		BRIDGE 'A' - NBI 03703 - US-64 OVER WEST NEGRO CREEK		
512(A)	1323	PAINTING EXISTING STRUCTURES	(1) LSUM	1.00
512(B)	6303	COLLECTION & HANDLING OF WASTE	(1) LSUM	1.00

BRIDGE "A" US-64 OVER WEST NEGRO CREEK  GENERAL NOTES AND SUMMARY OF PAY QUANTITIES (BRIDGE)	SEQUOYAH COUNTY		Design	N/A	N/A
			Detail	TEE	3/16
			Check	RAH	6/16
			Squad Engr:	HENSLEY DEFRANCO	
STATE OF OKLAHOMA	DEPARTMENT OF TRANSPORTATION			JOB/PIECE NO. 31695(04)	SHEET NO. AB01

TRAFFIC OPERATIONS GENERAL CONSTRUCTION NOTES

ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL MEET ODOT'S "QUALITY STANDARDS FOR TEMPORARY TRAFFIC CONTROL DEVICES." CHANNELIZING DEVICES SHALL HAVE A MINIMUM HEIGHT OF 36 INCHES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE TEMPORARY TRAFFIC CONTROL DEVICES, AND SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY DEVICE DURING CONSTRUCTION.

(TC-85)

THESE SIGNS MUST BE ON THE OKLAHOMA DEPARTMENT OF TRANSPORTATION LIST OF APPROVED CHANGEABLE MESSAGE SIGNS. FOR AN APPROVED LIST, GO TO THE QUALIFIED PRODUCT LIST WEBSITE AT <http://www.okladot.state.ok.us/traffic/qpl/index.php> .

EXISTING ROADWAY SHALL REMAIN OPEN DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER BARRICADES, LIGHTS, SIGNING, AND DEVICES WITHIN THE LIMITS OF CONSTRUCTION. ALL CONSTRUCTION SIGNING WILL BE DONE ACCORDING TO STANDARDS SET FORTH IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION", AND AS SHOWN ON TCS STANDARD DRAWINGS.

THE CONTRACTOR SHALL BE CLOSE BY TO THE PROJECT TO MONITOR THE CONSTRUCTION TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK, AND SHALL IMMEDIATELY BE ON SITE TO RECTIFY ANY TRAFFIC CONTROL DEVICE THAT FAILS DURING CONSTRUCTION OR IS NOTIFIED BY THE ENGINEER. WORK SHALL BE DONE BY THE CONTRACTOR IN A MANNER APPROVED BY AND TO THE SATISFACTION OF THE ENGINEER.

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

SPECIAL TRAFFIC PAY QUANTITY NOTES

(SP-1) TYPE "C" WARNING LIGHTS ARE NOT REQUIRED.

(SP-2) PORTABLE CHANGEABLE MESSAGE SIGN SHALL BE LOCATED WHERE DEEMED NECESSARY BY THE ENGINEER.

TRAFFIC CONSTRUCTION PAY QUANTITY NOTES

(TC-26) CONSTRUCTION TRAFFIC CONTROL WILL BE INSTALLED IN A MANNER APPROVED BY THE ENGINEER, IN ACCORDANCE WITH CHAPTER VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, AND APPLICABLE O.D.O.T. STANDARD DRAWINGS. PRICE BID FOR THIS ITEM SHALL BE PAYMENT IN FULL FOR THE INSTALLATION, MAINTENANCE AND SUBSEQUENT REMOVAL OF ALL NECESSARY CONSTRUCTION TRAFFIC CONTROL DEVICES REQUIRED FOR COMPLETION OF THE PROJECT.

ALL SIGNS AND BARRICADES WHICH ARE SHOWN WITH TYPE "A" LIGHTS IN THE STANDARD DRAWINGS SHALL HAVE THE CORRESPONDING LIGHT ATTACHED DURING NON-DAYLIGHT HOURS.

(TC-33) ALL CONSTRUCTION WORK ZONE SIGNS SHALL HAVE FLUORESCENT SHEETING. THE FLUORESCENT SHEETING SHALL MEET THE REQUIREMENTS OF ASTM D4956 (LATEST REVISION).

THE MANUFACTURER SHALL FURNISH A TYPE "D" CERTIFICATION IN ACCORDANCE WITH O.D.O.T. STANDARD SPECIFICATIONS (CURRENT EDITION SUBSECTION 106.04. THE CERTIFICATION SHALL INCLUDE TEST RESULTS ON MATERIAL SUBMITTED FOR APPROVAL.

(TC-52) ANY USED TRUCK MOUNTED ATTENUATOR OR CHANGEABLE MESSAGE SIGN TO BE PLACED ON THIS PROJECT SHALL BE SUBJECT TO INSPECTION AND APPROVAL, BY THE OKLAHOMA DEPARTMENT OF TRANSPORTATION, TO ASSURE THAT THEY ARE IN GOOD WORKING CONDITION, PRIOR TO PLACEMENT ON THE PROJECT.

(TC-70) THIS ITEM IS AN ESTIMATED QUANTITY TO BE USED AS DEEMED NECESSARY BY THE ENGINEER

(TC-76) ANY TRUCK MOUNTED ATTENUATOR USED ON THIS PROJECT SHALL HAVE PASSED ALL MANDATORY AND OPTIONAL TESTS LISTED IN NCHRP 350, TL-3 CRITERIA. THIS ITEM IS TO BE USED WHERE SHOWN IN THE STANDARD DRAWINGS OR AT THE DISCRETION OF THE ENGINEER ON SHADOW VEHICLES PROTECTING THE WORK AREAS AND TEMPORARY ROADSIDE HAZARDS.

(TC-77) TRUCK MOUNTED ATTENUATORS ARE TO BE INSTALLED ON NON-STATE OWNED TRUCKS HAVING A MINIMUM GROSS WEIGHT RATING OF 15,000 POUNDS. EACH OF THESE TRUCKS SHALL ALSO BE EQUIPPED WITH AN ARROW DISPLAY (TYPE B).

(TC-84) 30 CONSTRUCTION CALENDAR DAYS WERE USED TO COMPUTE THE SIGN DAY PAY ITEMS. THE AMOUNT OF CALENDAR DAYS USED TO COMPUTE THE SIGN DAY PAY ITEMS IS AN ESTIMATED QUANTITY ONLY, BASED ON THE CURRENT ODOT STANDARDS AND SUGGESTED CONSTRUCTION SEQUENCE FOR THIS PROJECT. THESE ESTIMATED SIGN DAY QUANTITIES MAY CHANGE AS THE PROJECT'S CONSTRUCTION TRAFFIC CONTROL IS MODIFIED DURING CONSTRUCTION.

REVISIONS		
REV. NO.	DESCRIPTION	DATE

PAY QUANTITIES				
0300 TRAFFIC CONTROL				
ITEM		DESCRIPTION	UNIT	QUANTITY
876(A)	8482	(PL) TRUCK MOUNTED ATTENUATOR (TC-52, 70, 76, 77)	SD	30.00
880(A)	8812	ARROW DISPLAY (TYPE C) (TC-26, 70)	SD	60.00
880(B)	8818	CONSTRUCTION SIGNS 0 TO 6.25 SF (TC-26, 33, 84)	SD	180.00
880(B)	8821	CONSTRUCTION SIGNS 6.26 SF TO 15.99 SF (TC-26, 33, 84)	SD	60.00
880(B)	8824	CONSTRUCTION SIGNS 16.0 SF TO 32.99 SF (TC-26, 30, 33, 84)	SD	360.00
880(C)	8848	WING BARRICADES (TC-26, 84)	SD	120.00
880(E)	8860	WARNING LIGHTS (TYPE A) (TC-26, 84)	SD	300.00
880(F)	8878	DRUMS (SP-1) (TC-26, 84)	SD	1980.00
880(G)	8890	CHANNELIZER CONES (TC-26, 84)	SD	3120.00
880(I)	8902	FLAGGER (TC-84)	SD	30.00
882(A)	8306	PORTABLE CHANGEABLE MESSAGE SIGN (SP-2) (TC-52, 70, 85)	SD	88.00

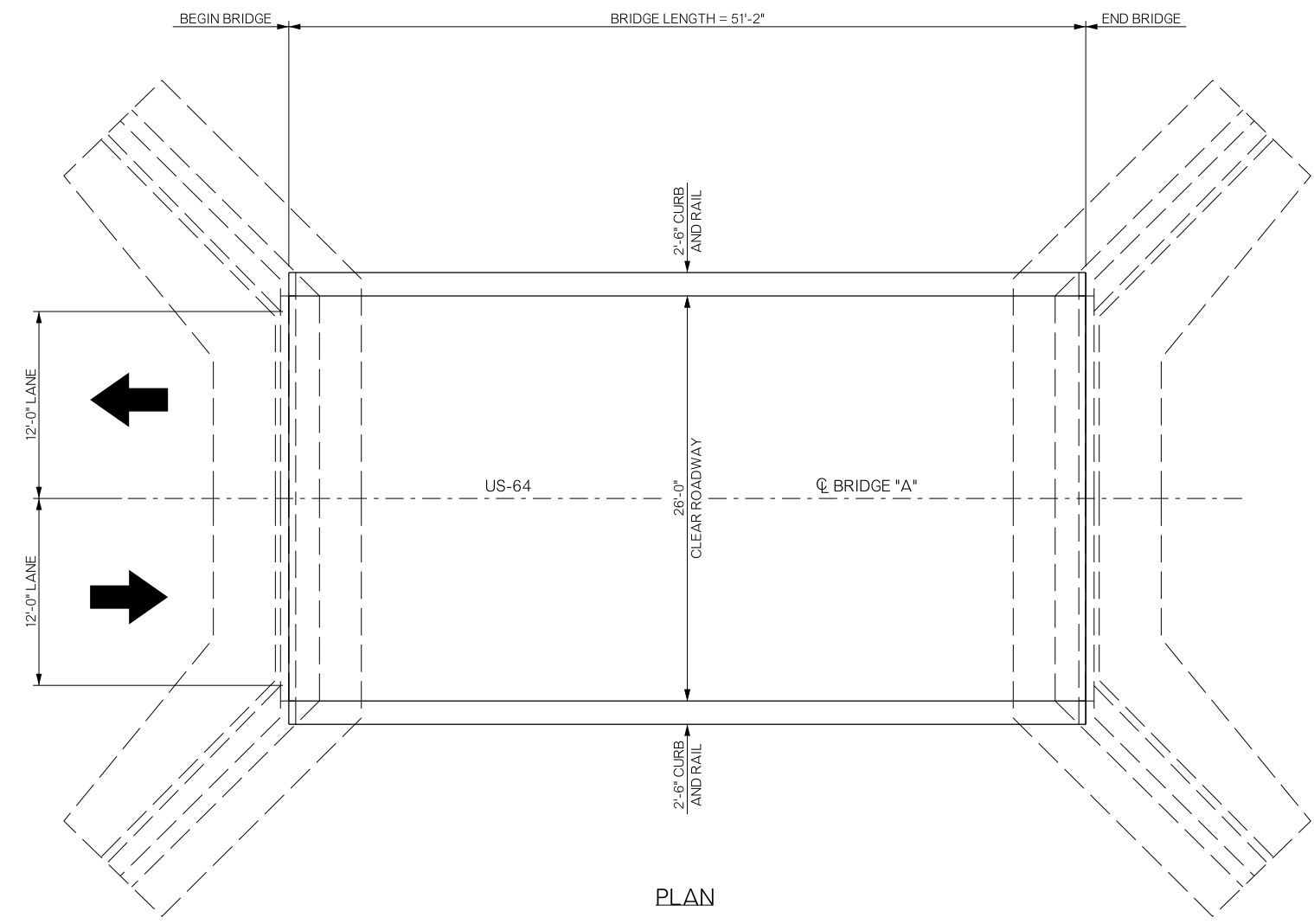
PREPARED BY:  
OKLAHOMA DEPARTMENT OF TRANSPORTATION  
TRAFFIC ENGINEERING DIVISION

*Jami L. Short*  
DATE: 6/08/2016

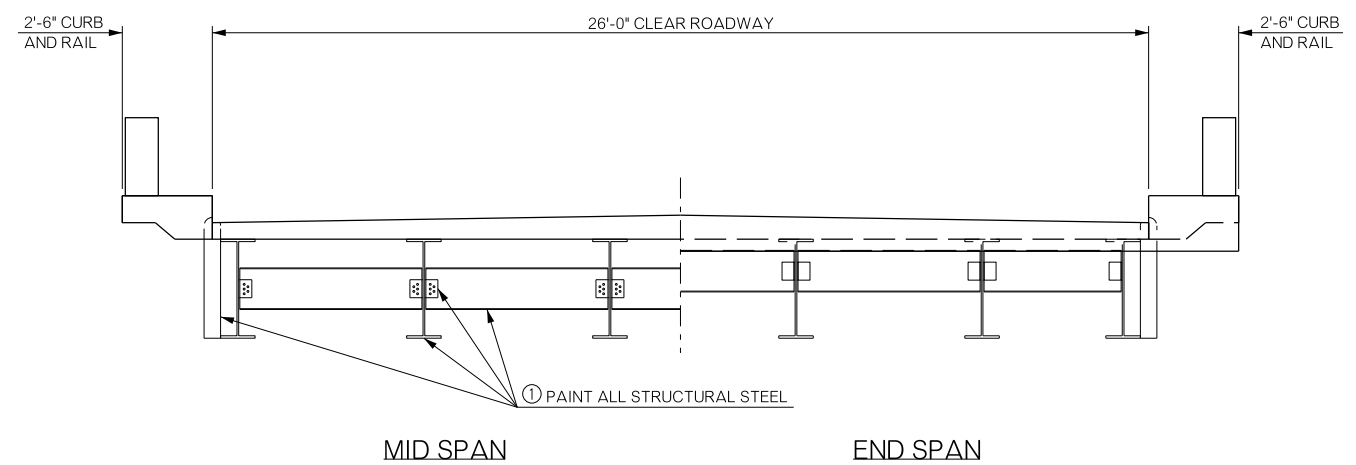
OKLA. REG. NO. 22542

SUMMARY OF PAY QUANTITIES AND NOTES (TRAFFIC CONTROL)	Drawn	SE	5/16
	Design	SE	5/16
	Checked	SEB	5/16
			TRAFFIC ENGINEERING JAMI SHORT
STATE OF OKLAHOMA	DEPARTMENT OF TRANSPORTATION		
DIVISION 1	JOB/PIECE NO. 31695(04)	SHEET NO. AT01	

REVISIONS		
REV. NO.	DESCRIPTION	DATE



PLAN



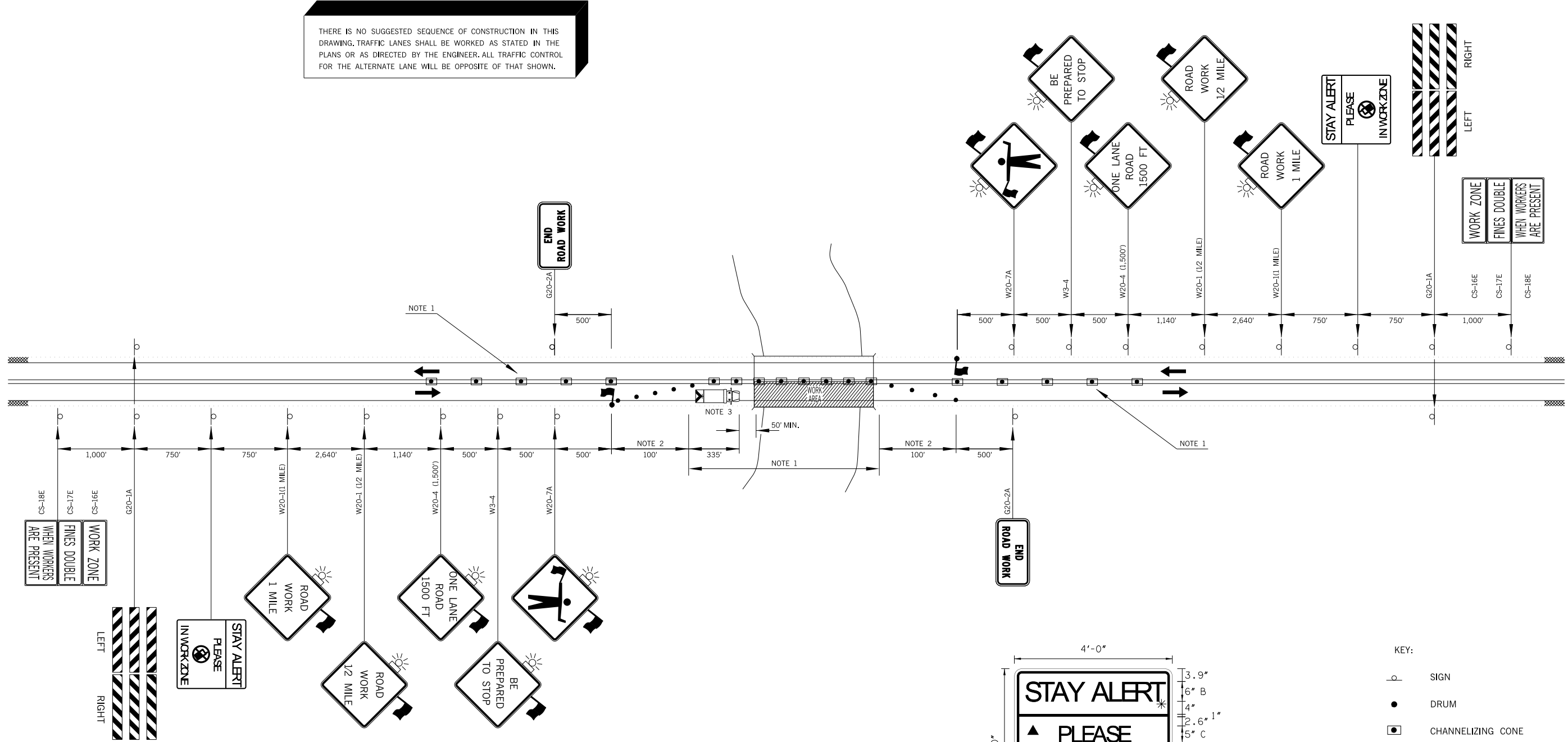
ELEVATION

① ALL STRUCTURAL STEEL, INCLUDING BEAMS, BEAM STIFFENERS, DIAPHRAGMS, ANGLES, DRAIN PIPES, AND BEARING ASSEMBLIES, SHALL BE CLEANED AND PAINTED. SEE GENERAL NOTES.

BRIDGE "A"		SEQUOYAH COUNTY		Design	N/A	N/A
US-64 OVER WEST NEGRO CREEK				Detail	MSW	4/16
GENERAL PLAN AND TYPICAL SECTION (BRIDGE "A")				Check	RAH	6/16
				Squad: HENSLEY Engr: DEFRANCO		
STATE OF OKLAHOMA		DEPARTMENT OF TRANSPORTATION				
JOB/PIECE NO. 31695(04)				SHEET NO. B001		

REVISIONS		
REV. NO.	DESCRIPTION	DATE

THERE IS NO SUGGESTED SEQUENCE OF CONSTRUCTION IN THIS DRAWING. TRAFFIC LANES SHALL BE WORKED AS STATED IN THE PLANS OR AS DIRECTED BY THE ENGINEER. ALL TRAFFIC CONTROL FOR THE ALTERNATE LANE WILL BE OPPOSITE OF THAT SHOWN.



**NOTE 1**  
 MAXIMUM SPACING BETWEEN CHANNELIZING DEVICES (FEET) SHALL BE TWICE THE POSTED SPEED LIMIT (M.P.H.) WITH THE FOLLOWING EXCEPTIONS. SPACING SHALL NOT EXCEED 50 FEET FOR CONES OR TUBE CHANNELIZERS. SPACING SHALL NOT EXCEED 75 FEET FOR CHANNELIZER CONES. SPACING SHALL NOT EXCEED 100 FEET FOR TYPE II BARRICADES, VERTICAL PANELS OR DRUMS.

**NOTE 2**  
 A MINIMUM OF FIVE (5) CHANNELIZING DEVICES SHALL BE PLACED THROUGH THIS AREA.

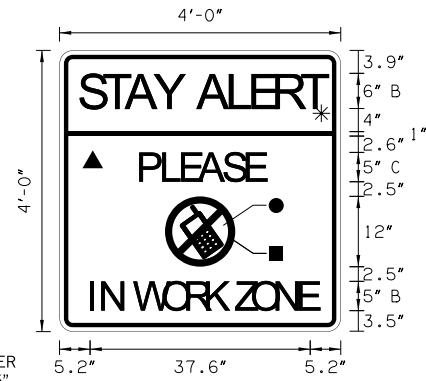
**NOTE 3**  
 THE SHADOW VEHICLE SHOWN AT THE BEGINNING OF THE WORK AREA SHALL BE IN PLACE WHENEVER WORKERS ARE IN THE WORK AREA. THIS VEHICLE SHALL BE REMOVED FROM THE ROADWAY WHENEVER WORKERS ARE NOT IN THE WORK AREA. THIS VEHICLE SHALL BE EQUIPPED WITH AN ACTUATED FLASHING OR REVOLVING YELLOW LIGHT.

THE FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT CONTACT AT ALL TIMES AND SHALL BE POSITIONED TO PROTECT THE WORKERS.

WHEN NO WORK IS BEING PERFORMED AND TWO LANE TRAFFIC IS OPERATING, FLAGGERS WILL NOT BE REQUIRED. WHENEVER FLAGGERS ARE NOT PRESENT, THE "FLAGGER" SIGNS SHALL BE REMOVED OR COVERED.

FLOODLIGHTS SHOULD BE PROVIDED TO MARK FLAGGER STATIONS AT NIGHT AS NEEDED.

IN INSTANCES WHERE SIGHT DISTANCE MAY BE RESTRICTED DUE TO A CREST VERTICAL CURVE, HORIZONTAL CURVE OR OTHER FACTORS, THE CHANNELIZING DEVICES ARE TO BE EXTENDED TO A POINT WHERE THEY ARE VISIBLE TO APPROACHING TRAFFIC.



**COLOR:**  
 LEGEND, SYMBOL AND BORDER  
 BLACK (NON-REFLECTORIZED)  
 BACKGROUND:  
 ▲ FLUORESCENT ORANGE (REFLECTORIZED)  
 \* FLUORESCENT YELLOW (REFLECTORIZED)  
 ● WHITE (REFLECTORIZED)  
 ■ RED (TRANSPARENT)

- KEY:**
- SIGN
  - DRUM
  - ◻ CHANNELIZING CONE
  - ▨ WORK AREA
  - 🚚 SHADOW VEHICLE
  - 🚚 TRUCK MOUNTED ATTENUATOR
  - 🚚 FLAGGER

OPTIONAL

TRAFFIC CONTROL DETAIL			Drawn	SE	05/16	
			Design	SE	05/16	
STATE OF OKLAHOMA			Checked	SE	05/16	
			TRAFFIC ENGINEERING JAMI SHORT			
DEPARTMENT OF TRANSPORTATION		DIVISION 1	JOB/PIECE NO.	31695(04)	SHEET NO.	T001