STATE OF OKLAHOMA DEPARTMENT OF TRANSPORTATION

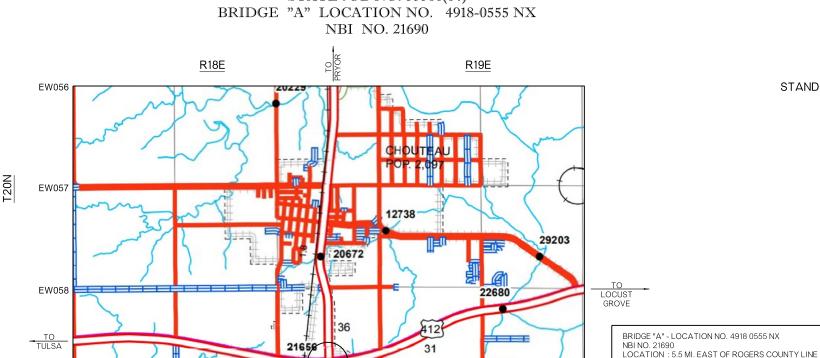
PLAN OF PROPOSED

UNITED STATES HIGHWAY

STATE AID PROJECT NO. SAP-249N(041) BRIDGE REPAIR PROJECT U.S. HIGHWAY NO. 412

MAYES COUNTY

CONTROL SECTION NO:. 412-49-18 STATE JOB NO. 33366(04)



20563

21880

TULSA

EW059

EW060

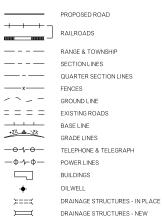
EW06

2606

31712

Creek

CONVENTIONAL SYMBOLS



RIGHT-OF-WAY LINES - EXISTING RIGHT-OF-WAY LINES - NEW

CONTROLLED ACCESS

RIGHT-OF-WAY FENCE

PRES.R/W

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

MAYES COUNTY -

LOCATION MAP

PREPARED BY: OKLAHOMA DEPARTMENT OF TRANSPORTATION BRIDGE DESIGN DIVISION Johanned Elyass

MOHAMED ELYAZGI, P.E. OKLA. REG. NO. 17542 09/082017



OKLAHOMA
DEPARTMENT OF TRANSPORTATION DATE APPROVED DATE APPROVED

DIVISION ADMINISTRATOR PROJECT NO. SAP-249N(041)

HIGHWAY US-412 SHEET NO. 0001

INDEX OF SHEETS

SHEET NUMBER SHEET DESCRIPTION TITLE SHEET 0001 AB01 GENERAL NOTES AND SUMMARY OF PAY QUANTITIES (BRIDGE)

OKLAHOMA DEPARTMENT OF TRANSPORTATION FED. ROAD DIST. NO. STATE JOB PIECE NO. FISCAL SHEET TOTAL YEAR NO. SHEETS 8 OKLA. 33182(04) 2017 0001

AT01 SUMMARY OF PAY QUANTITIES (TRAFFIC) B001 GENERAL PLAN AND ELEVATION T001 TRAFFIC CONTROL DETAIL - US-69 UNDER US-412

STANDARDS TO BE INCLUDED FOR THIS PROJECT:

TRAFFIC

TCS1-1-01	TCS9-1-01
TCS2-1-00	TCS11-1-01
TCS3-1-01	TCS14-1-00
TCS4-1-01	TCS17-1-00
TCS5-1-00	TCS18-1-01
TCS6-1-02	TCS19-1-01
TCS7-1-02	TCS20-1-00
TCS8-1-00	

CONTROL SECTION NO. 412-49-22

GRA!

Creek

24566

TOWNSHIP T20N - RANGE R18E FACILITY CARRIED: US 412 WESTBOUND

FACILITY INTERSECTED: US 69 SOUTHBOUND UNDER

REVISIONS						
REV. NO.	DESCRIPTION	DATE				

GENERAL NOTES

SPECIFICATIONS:

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

ΡΙ ΔΝ.

CONSTRUCTION PLANS FOR THE EXISTING STRUCTURES, MAY BE OBTAINED FROM THE REPRODUCTIONS BRANCH OF THE OKLAHOMA DEPARTMENT OF TRANSPORTATION.

REPRODUCTION BRANCH OKLAHOMA DEPARTMENT OF TRANSPORTATION 200 NE 21ST STREET OKLAHOMA CITY, OKLAHOMA 73105

ASK FOR: MAF-593(223) MAYES COUNTY, US 412 OVER US 69

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 CONSTRUCT THE NEW MATERIAL AND SHALL BE SOLELY RESPONSIBLE FOR THE ACCURACY THEREOF.

BIDDERS SHALL FULLY INFORM THEMSELVES OF THE NATURE OF THE WORK AND CONDITIONS UNDER WHICH IT WILL BE PERFORMED. THE CONTRACTOR SHALL ADOPT METHODS CONSISTENT WITH GOOD CONSTRUCTION PRACTICE AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT DAMAGE TO 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.

DESCRIPTION OF WORK:

THE WORK UNDER THIS CONTRACT CONSISTS PRIMARILY OF THE REPAIR OF A PRESTRESSED CONCRETE BEAM BY THE APPLICATION OF PNEUMATICALLY PLACED MORTAR AND CARBON FIBER WRAP AS SHOWN IN THE PLANS.

CARE SHALL BE TAKEN TO ENSURE THAT NO DAMAGE IS CAUSED TO THE TRAFFIC DURING THESE ACTIONS. NECESSARY EQUIPMENT WILL BE USED AS APPROVED BY THE ENGINEER. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THE SAFETY OF THE TRAVELING PUBLIC AND THE ADEQUACY OF THE REPAIRS.

REMOVED MATERIAL:

ALL MATERIAL REMOVED DURING THIS PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND DISPOSED IN A MANNER APROVED BT THE ENGINEER.

PNEUMATICALLY PLACED MORTAR

THE PAY ITEM "PNEUMATICALLY PLACED MORTAR" CONSISTS OF REPAIRING THE SURFACE AREA OF THE UBSTRUCTURE.

THE ACTUAL EXTENT OF THE REPAIRS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER. THE REPAIRS SHALL BE IN ACCORDANCE WITH SECTION 521 OF THE 2009 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND IN A MANNER APPROVED BY THE ENGINEER.

THE REMOVAL OF DAMAGED CONCRETE SHALL BE DONE USING HAND TOOLS. POWER TOOLS WILL NOT BE ALLOWED UNLESS HAND TOOLS PROVE INCAPABLE OF EXCAVATING ALL DAMAGED CONCRETE TO SOUND CONCRETE AND AS APPROVED BY THE ENGINEER

SHOULD POWER TOOLS BE NECESSARY, POWER TOOLS SHALL BE OF A SIZE APPROVED BY THE ENGINEER SUCH THAT THEIR USE DOES NOT CAUSE DAMAGE TO THE SOUND CONCRETE. ANY DAMAGE DONE TO THE EXISTING REINFORCING STEEL DURING THE REMOVAL PROCESS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE ENGINEER. ANY DETERIORATED REINFORCING STEEL WITH A SECTION LOSS GREATER THAN 50%, AS DETERMINED BY THE ENGINEER, SHALL BE REPORTED TO THE BRIDGE ENGINEER FOR REMEDIAL ACTION. PRIOR TO MORTAR APPLICATION, BLAST CLEAN THE CONCRETE SURFACE AND REINFORCING STEEL FREE OF DEBRIS AND CORROSION, APPLY PNEUMATICALLY PLACED MORTAR TO REPLACE DAMAGED CONCRETE. BUILD UP MORTAR TO MATCH THE ORIGINAL LINES AND GRADES OF THE SUBSTRUCTURE.

THE CONTRACTOR MAY PROPOSE AND USE AS AN ALTERNATE ONE OF THE FOLLOWING REPAIR METHODS:

- (1) CAST-IN-PLACE CONCRETE
- (2) PRE-PLACED AGGREGATE CONCRETE
- (3) FORMED AND PUMPED CONCRETE AND MORTAR
- (4) TROWELING AND DRY-PACKING OF REPAIR MORTAR

THE CONTRACTOR SHALL SUBMIT A PROPOSED WORK PLAN OF THE REPAIR METHOD TO BE USED TO THE ENGINEER FOR HIS APPROVAL. THE WORK PLAN SHOULD INCLUDE SURFACE PREPARATION METHODS, PATCHING MATERIAL, BONDING AGENTS, MATERIAL PLACING METHODS, AND FINISHING METHODS. THE CONTRACTOR SHALL TEST REPAIR AN AREA TO VERIFY THE EFFECTIVENESS OF THE PROPOSED REPAIR METHOD PRIOR TO COMMENCEMENT OF THE WORK, FAULTY REPAIRS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE ENGINEER.

ALL COSTS INCLUDING LABOR, EQUIPMENT, MATERIAL, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK DESCRIBED ABOVE SHALL BE INCLUDED IN THE PRICE BID PER SQUARE YARD OF "PNEUMATICALLY PLACED MORTAR"

CARBON FIBER-REINFORCED POLYMER:

THE PAY ITEM "CARBON FIBER-REINFORCED POLYMER" CONSISTS OF WRAPPING THE LENGTH OF THE AREA REPAIRED ON SPAN NO. 1, BEAMS 1 AS SHOWN IN THE PLANS. REPAIRED BEAMS SHALL BE WRAPPED FROM THE BOTTOM OF BEAM WEB TO THE BOTTOM OF THE BEAM WEB ON THE OPPOSITE SIDE OF THE BEAM COVERING THE ENTIRE BEAM FLANGE AS SHOWN IN THE PLANS.

ALL UNSOUND CONCRETE ON THE PRESTRESSED CONCRETE BEAMS SHALL BE REMOVED AND PATCHED PRIOR TO THE CARBON FIBER-REINFORCED POLYMER WRAP, (SEE "PNEUMATICALLY PLACED MORTAR" NOTE). THE PAY QUANTITY SHOWN IS FOR AREA TO BE REPAIRED. THE CONTRACTOR SHALL APPLY ONE (1) LAYER OF CARBON FIBER MATERIAL TO THE AREA AS SHOWN ON THE PLANS.

ALL COSTS FOR COMPLETING THE WORK AS SPECIFIED INCLUDING LABOR, MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THE REPAIR SHALL BE INCLUDED IN THE UNIT BID PRICE PER SQUARE FOOT OF "CARBON FIBER-REINFORCED POLYMER".

CORROSION INHIBITOR:

THE WORK CONSISTS OF TREATING CONCRETE SURFACES WITH A PENETRATING CORROSION INHIBITOR BEFORE STABTING BRIDGE DECK REPLACEMENT WORK. SUBMIT TO THE ENGINEER A WORK PLAN DESCRIBING THE TREATMENT PROCEDURES TO BE USED.

CORROSION INHIBITOR SHALL BE APPLIED TO ALL AREAS RECEIVING CLASS AA CONCRETE AND AS DIRECTED BY THE ENGINEER.

ALL COSTS FOR COMPLETING THE WORK AS SPECIFIED INCLUDING MATERIAL, LABOR, EQUIPMENT AND INCIDENTALS RECESSARY TO COMPLETE THE WORK SHALL BE INCLUDED IN THE PRICE BID PER SQUARE YARD OF "CORPOSION INHIBITOR"

ENVIRONMENTAL NOTE

MIGRATORY BIRD:

MIGRATORY BIRDS ARE PROTECTED BY THE FEDERAL MIGRATORY BIRD TREATY ACT. MANY BIRDS COMMONLY USE BRIDGES AND CULVERTS FOR NESTING. THE NESTING SEASON FOR MOST BIRD SPECIES EXTENDS FROM APRIL 1 TO AUGUST 31. NO SURVEY WAS DONE ON THIS PROJECT. THE RESIDENT ENGINEER SHALL CONTACT THE ODOT BIOLOGIST AT 405-521-2516 IF ANY BIRD USE OF THE EXISTING STRUCTURES IS OBSERVED, IF BIRDS ARE OBSERVED THEN PAINTING, REPAIR, RETROFIT, REHABILITATION, OR DEMOLITION OF THE EXISTING BRIDGE/STRUCTURES SHALL BE CONDUCTED BETWEEN SEPTEMBER 1, AND MARCH 31, WHEN MIGRATORY BIRD NESTS ARE NOT OCCUPIED.

PAY QUANTITIES MAYE			AYES COUNTY			
0500	0500 BRIDGE 'A' - NBI 21690 - US 412 OVER US 69					
ITEM		DESCRIPTION	UNIT	QUANTITY		
521(A)	6210	PNEUMATICALLY PLACED MORTAR	SY	1.00		
524(A)	6610	(SP) CARBON FIBER-REINFORCED POLYMER	SF	11.20		
535	6130	(SP) CORROSION INHIBITOR (SURFACE APPLIED) SY 1.0				

33366(04)		PAY QUANTITIES	MAYES COUNTY			
0640	0640 CONSTRUCTION					
ITEM		DESCRIPTION	UNIT	QUANTITY		
641	1399	MOBILIZATION	L SUM	1.00		

BRIDGE A US 412 OVER US 69 MAYES COUNTY

GENERAL NOTES AND PAY ITEMS (BRIDGE)

Squad: MAYFIELD
Engr:: ELYAZGI

JLL 9/17

NOW 08/17

STATE OF DEPARTMENT OF TRANSPORTATION OKLAHOMA JOBPECTION. 33366(04) SHEETIND. ABO1

GENERAL CONSTRUCTION NOTES

ANY SIGNS AND/OR DELINEATORS WHICH ARE TO BE REMOVED DURING THIS PROJECT WILL BE STORED IN A PROTECTED AREA DESIGNATED BY THE RESIDENT ENGINEER UNTIL SUCH A TIME THAT THEY ARE TO BE RESET BY THE CONTRACTOR. COST OF THIS WORK TO BE INCLUDED IN OTHER ITEMS OF WORK.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER BARRICADES, LIGHTS, SIGNING, AND DEVICES WITHIN THE LIMITS OF CONSTRUCTION AND DETOUR ROUTE(S). ALL CONSTRUCTION SIGNING WILL BE DONE ACCORDING TO STANDARDS SET FORTH IN THE "MANUAL ON UNIPORM TRAFFIC CONTROL DEVICES, CURRENT EDITION", AND AS SHOWN OT CS STANDARD DRAWINGS.

ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL MEET ODOT'S "QUALITY STANDARDS FOR TEMPORARY TRAFFIC CONTROL DEVICES."

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

THE ITEMS TO BE REMOVED AND/OR RESET SHALL BE HANDLED WITH CARE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE DURING THESE OPERATIONS.

THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE AREAS UNDER THE BRIDGES FROM FALLING DEBRIS AND BE SOLELY RESPONSIBLE FOR SAFEGUARDING THESE AREAS.

THE CONTRACTOR MUST NOTIFY THE RESIDENT ENGINEER 7 DAYS PRIOR TO ANY LANE CLOSURE.

THE CONTRACTOR SHALL PROVIDE A PERSON TO BE ON CALL AS NEEDED AS DETERMINED BY THE ENGINEER. THIS PERSON SHALL HOLD A CURRENT CERTIFICATION FROM THE AMERICAN TRAFFIC SAFETY SERVICE ASSOCIATION (ATSSA) OR THE OKLAHOMA TRAFFIC ENGINEERING ASSOCIATION (OTEA) AS A TRAFFIC CONTROL TECHNICIAN OR TRAFFIC CONTROL SUPERVISOR.

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

THIS PROJECT SHALL BE CONSTRUCTED WITHOUT CLOSING TRAFFIC ON CROSS STREETS. A MINIMUM OF ONE LANE IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES. SEE O.D.O.T. STANDARDS AND DETAIL DRAWINGS FOR MAINTENANCE OF LOCAL AND THROUGH TRAFFIC.

ALL REGULATORY SIGNS SHALL HAVE HIGH INTENSITY SHEETING. THE HIGH INTENSITY SHEETING SHALL MEET THE REQUIREMENTS OF ASTM D4956-(LATEST REVISION) FOR TYPE III SHEETING.

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

THE MANUFACTURER SHALL FURNISH A TYPE 'A' CERTIFICATION IN ACCORDANCE WITH ODOT STANDARD SPECIFICATIONS, LATEST EDITION, SUBSECTION 106.04. THE CERTIFICATION SHALL INCLUDE TEST RESULTS ON THE MATERIAL SUBMITTED FOR APPROVAL.

SPECIAL PAY QUANTITY NOTES

- (SP-1) TYPE 'C' WARNING LIGHTS ARE NOT REQUIRED.
- CHANGEABLE MESSAGE SIGNS TO BE PLACED ON THE PROJECT 7 DAYS IN ADVANCE OF THE START DATE.

TRAFFIC CONTROL PAY QUANTITY NOTES

ALL CONSTRUCTION TRAFFIC CONTROL WILL BE IMPLEMENTED ACCORDING TO CONSTRUCTION PLANS, AND INSTALLED IN A MANNER APPROVED BY THE ENGINEER, IN ACCORDANCE WITH CHAPTER VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, (CURRENT EDITION), AND COMPLIANT WITH 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.

INCLUDED IN THIS ITEM ARE ALL S.C.S. (SPECIAL CONSTRUCTION SIGNING) SIGNS (TC-30) WHICH ARE BETWEEN 16.00 S.F. AND 32.99 S.F. ALSO INCLUDED IN THIS ITEM SHALL BE THE COST OF INSTALLATION, MAINTENANCE, AND REMOVAL OF THESE SIGNS.

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' CERITFICATION 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.

ANY USED PORTABLE CHANGEABLE MESSAGE SIGN OR TRUCK MOUNTED ATTENUATOR 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.

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.

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).

5 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.

THESE SIGNS MUST BE ON THE OKLAHOMA DEPARTMENT OF TRANSPORTATION LIST OF APPROVED CHANGEABLE MESSAGE SIGNS. FOR A LIST OF THE APPROVED SIGNS GO TO THE OKLAHOMA DEPARTMENT OF TRANSPORTATION WEBSITE AT:

REVISIONS

		PAY QUANTITY			
0300 TRAFFIC	CONTROL				
ITEM NO.	CODE NO.	D. DESCRIPTION		UNIT	QUANTITY
876(A)	8482	(PL)TRUCK MOUNTED ATTENUATOR	(TC-52,76,77,84)	SD	5.00
880(A)	8812	ARROW DISPLAY (TYPE C)	(TC-84)	SD	5.00
880(B)	8818	CONSTRUCTION SIGNS 0 TO 6.25 SF	(TC-23,26,33,84)	SD	60.00
880(B)	8821	CONSTRUCTION SIGNS 6.26 SF TO 15.99 SF	(TC-26,33,84)	SD	120.00
880(B)	8824	CONSTRUCTION SIGNS 16.0 SF TO 32.99 SF	(TC-26,30,33,84)	SD	130.00
880(C)	8842	CONSTRUCTION BARRICADES(TYPE III)	(TC-26,84)	SD	140.00
880(C)	8848	WING BARRICADES	(TC-26,84)	SD	10.00
880(E)	8860	WARNING LIGHTS(TYPE A)	(TC-26,84)	SD	190.00
880(F)	8878	DRUMS	(SP-1)(TC-26,84)	SD	265.00
880(G)	8890	CHANNELIZER CONES	(TC-26,84)	SD	195.00
882(A)	8306	PORTABLE CHANGEABLE MESSAGE SIGN	(SP-2)(TC-52,84,85)	SD	24.00

SPECIAL CONSTRUCTION SIGN



BLACK (NON-REFLECTORIZED
BACKGROUND:

FLUORESCENT ORANGE (REFLECTORIZED
FLUORESCENT YELLOW (REFLECTORIZED



DIVISION 8 US-412

MAYES COUNTY

SUMMARY OF PAY QUANTITIES & NOTES (TRAFFIC)

ENGINEEK:		SEB	8/1
GROUP:	W	/ILLIAN	ИS
EM:	SI	HORT	

CHECK: AF 8/17

STATE OF DEPARTMENT OF TRANSPORTATION OKLAHOMA JOBPIECENO. 33366(04) SHEETINO. AT01

