

G:\0\Projects\T-2598 I-35 Signing Project - EC-858B.Task\NCAD\AT01-3262504-GENERAL NOTES AND SUMMARY OF PAY QUANTITIES\TRAFFIC.dgn 09/15/17

GENERAL CONSTRUCTION NOTES

- (C-1) 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.
- (C-2) EXISTING ROADWAY SHALL REMAIN OPEN DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER BARRICADES, LIGHTS, AND SIGNING WITHIN THE LIMITS OF CONSTRUCTION. ALL CONSTRUCTION SIGNING WILL BE IMPLEMENTED ACCORDING TO CONSTRUCTION PLANS. 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 COMPLIANT WITH APPLICABLE O.D.O.T. STANDARD DRAWINGS.
- (C-57) ALL BROKEN CONCRETE INCLUDING OLD SIGN FOOTINGS WITH STUBS, WASTE MATERIAL AND DEBRIS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE LIMITS OF THE PROJECT AND DISPOSED OF IN AN AREA APPROVED BY THE ENGINEER. NO PAYMENT SHALL BE MADE FOR THE DISPOSAL OF THIS MATERIAL. ANY PIPE POST OR WIDE FLANGE POST ABOVE THE OLD SIGN FOOTINGS SHALL BE CUT AND HANDLED AS PROPERTY OF THE STATE AND SHALL BE NEATLY STACKED ON THE JOB SITE, AS DESIGNATED BY THE ENGINEER UNTIL SUCH TIME AS DIVISION PERSONNEL CAN REMOVE THE MATERIAL FROM THE JOB SITE.
- (C-58) NO SPLICES SHALL BE PERMITTED IN ANY PIPE OR WIDE FLANGE SIGN POSTS.
- (C-59) ALL ANCHOR BOLTS SHALL BE GRADE A-36 STEEL.
- (C-60) THE LOCATIONS OF THE SIGN PLACEMENT, AS SHOWN ON THE PLAN SHEETS, ARE APPROXIMATE. EXACT LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR SO THAT THE SIGN IS INSTALLED IN ACCORDANCE WITH DEPARTMENT STANDARDS AND THE MUTCD IN ORDER TO PROVIDE OPTIMUM VISIBILITY TO THE ONCOMING/APPROACHING MOTORIST. IF A PROPOSED LOCATION CONFLICTS WITH OTHER SIGNS, UTILITIES OR OTHER ROADWAY FEATURES, THE ENGINEER SHALL BE NOTIFIED.
- (C-61) POST LENGTHS SHOWN ON SIGN SUMMARY ARE APPROXIMATE, EXACT LENGTH SHALL BE DETERMINED BY FIELD SURVEY BY THE CONTRACTOR.
- (C-63) ALL EXISTING AND NEW BREAKAWAY SIGN POST, PIPE AND WIDE FLANGE BEAMS SHALL HAVE SHEET METAL BOLT RETAINER PLATES AS SPECIFIED IN O.D.O.T. STD. FGS1-1-(LATEST REVISION), REPLACEMENT COST OF MISSING OR DAMAGED BOLT RETAINER PLATES AND ALL ASSOCIATED HARDWARE AND LABOR SHALL BE INCLUDED IN OTHER ITEMS OF WORK.
- (C-65) ALL REMOVED SIGNS, SIGN POSTS, BOLTS, MISCELLANEOUS HARDWARE, AND DELINEATORS SHALL REMAIN THE PROPERTY OF THE STATE. THE CONTRACTOR SHALL NEATLY STACK SUCH REMOVED MATERIAL AT A LOCATION ON THE JOB SITE AS DESIGNATED BY THE ENGINEER UNTIL SUCH TIME AS DIVISION PERSONNEL CAN REMOVE THE MATERIAL FROM THE JOB SITE.
- (C-66) ALL SIGNS SHALL BE REMOVED FROM THE POSTS IN A SALVAGEABLE MANNER FOR REUSE. CARE SHALL BE TAKEN DURING REMOVAL AND TRANSPORTING TO ALLEVIATE DAMAGE OF MATERIALS. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED DURING REMOVAL OF SIGNS, AND SIGN POSTS.
- (C-69) FOR NEW OR EXISTING GROUND MOUNTED SIGNS MAXIMUM STUB POST PROJECTION ABOVE FOOTING/GROUND LINE SHALL BE 1 3/4" + 1/4" MAXIMUM FOOTING PROJECTION ABOVE GROUND LINE SHALL BE NO MORE THAN 2". SHOULD ADDITIONAL SOIL BE REQUIRED, THE ENGINEER WILL DESIGNATE AN AREA TO OBTAIN ADDITIONAL SOIL. ALL ASSOCIATED COSTS SHALL BE INCLUDED IN OTHER ITEMS OF WORK.
- (C-73) DETAILS FOR MOUNTING SIGNS TO OVERHEAD STRUCTURES SHALL BE APPROVED BY THE ENGINEER AND SUBMITTED WITH SHOP DRAWINGS FOR OVERHEAD STRUCTURES. NO MOUNTING HOLES SHALL BE PERMITTED IN OVERHEAD STRUCTURES UPRIGHT MEMBERS.
- (C-76) CONTRACTOR SHALL PROVIDE THE ENGINEER A MINIMUM OF SEVEN (7) DAYS ADVANCE NOTICE FOR INSTALLATION OF OVERHEAD SIGN STRUCTURES AND OVERHEAD SIGNS. INSTALLATION SHOULD PREFERABLY BE ACCOMPLISHED ON SUNDAY BETWEEN 7:00 A.M. AND 10:00 A.M.
- (C-150) SYMBOLS AND LEGENDS ARE DIAGRAMMATIC ONLY AND LOCATIONS SHALL BE ADJUSTED FOR EXISTING FIELD CONDITIONS, BUT NO MAJOR ALTERATIONS OR RELOCATIONS WILL BE MADE WITHOUT FIRST CONSULTING WITH THE TRAFFIC ENGINEERING DIVISION AT (405)521-2861.
- (C-151) THIS PROJECT SHALL BE CONSTRUCTED WITHOUT CLOSING THE EXISTING ROAD TO LOCAL AND THROUGH TRAFFIC. SEE STANDARD SPECIFICATIONS FOR MAINTENANCE OF LOCAL AND THROUGH TRAFFIC.
- (C-152) ALL BROKEN CONCRETE, WASTE MATERIAL, AND DEBRIS SHALL BECOME THE PROPERTY OF THE CONTRACTOR, AND SHALL BE REMOVED FROM THE LIMITS OF THE PROJECT AND DISPOSED OF IN AN AREA APPROVED BY THE ENGINEER. NO PAYMENT WILL BE MADE FOR THE DISPOSAL OF THIS MATERIAL.
- (C-155) THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE HE MAY INFLICT TO THE EXISTING UNDERGROUND UTILITIES WITHIN THE PROJECT AREA AS A RESULT OF HIS DIGGING, TRENCHING, BORING, ETC.... PRIOR TO DIGGING NEAR THE UTILITIES, THE CONTRACTOR SHALL CALL FOR A LIST OF ALL UNDERGROUND FACILITIES REGISTERED IN THE AREA OF CONSTRUCTION LISTED WITH THE FOLLOWING AGENCIES: THE "OKIE" NOTIFICATION CENTER 811 OR (405)522-6543 OR WWW.CALLOKIE.COM OR THE LOCAL COUNTY CLERK'S OFFICE.

ENVIRONMENTAL MITIGATION NOTES

BASED ON THE AVAILABLE INFORMATION, WOK MAY BE PERFORMED IN THE IMMEDIATE VICINITY OF KNOWN OR SUSPECTED CONTAMINATED SITES. BASED ON THE ANTICIPATED LEVEL OF GROUND DISTURBANCE, ANY POTENTIAL CONTAMINATION IS NOT EXPECTED TO AFFECT THE PROJECT, BUT IS STILL POSSIBLE. IN THE EVENT CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED, THE CONTRACTOR SHALL ADHERE TO ODOT'S HAZARDOUS MATERIALS SPECIFICATION 107.15 AND NOTIFY THE RESIDENT ENGINEER, WHO MAY THEN CONTACT THE ENVIRONMENTAL PROGRAMS DIVISION AT (405)521-3050 FOR ASSISTANCE. IF REMOVAL OF THESE ITEMS IS NECESSARY, DISPOSAL AT A PERMITTED SANITARY LAND FILL MAY BE REQUIRED.

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)521-2515 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. THE BRIDGE MAY BE PROTECTED FROM NEW NEST ESTABLISHMENT PRIOR TO APRIL 1, BY MEANS THAT DO NOT RESULT IN BIRD DEATH OR INJURY. OPTIONS INCLUDE THE EXCLUSION OF ADULT BIRDS FROM SUITABLE NEST SITES ON OR WITHIN A STRUCTURE BY THE PLACEMENT OF WEATHER-RESISTANT POLYPROPYLENE NETTING WITH 0.25-INCH OR SMALLER OPENINGS, PRIOR TO APRIL 1. METHODS OTHER THAN NETTING MUST BE PER-APPROVED BY THE ODOT BIOLOGIST.

PAY QUANTITY NOTES

- (TP-1) PAYMENT FOR THIS ITEM WILL BE BASED ON PLAN QUANTITY. SEE THE 2009 SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
- (TS-33) INCLUDED IN THIS PAY ITEM IS ALL HARDWARE ASSOCIATED WITH PROPERLY ANCHORING AND MOUNTING THE HIGHWAY SIGN IN ACCORDANCE WITH O.D.O.T. PLANS AND STANDARD DRAWINGS SSA1-1 AND SSP1-1- (LATEST REVISION).
- (TS-36) PRICE BID FOR SAND FILLED IMPACT ATTENUATOR(S) SHALL INCLUDE THE COST FOR OM1-1 OR OM1-3 SIGN(S) WITH TYPE VIII SHEETING, AND THE REMOVAL OF ANY OM-3 OR OM-3E SIGN(S), POST(S) AND FOOTING(S), IF PRESENT, AND ALL OTHER INCIDENTALS NECESSARY TO COMPLETE THE INSTALLATION ACCORDING TO PERTINENT O.D.O.T. STANDARD DRAWINGS.
- (TS-39) OVERHEAD SIGN STRUCTURES AND SIGNS THAT ARE TO BE REMOVED, RESET, AND/OR RELOCATED SHALL BE CAREFULLY REMOVED BY THE CONTRACTOR AND STORED AT A SITE SELECTED BY THE ENGINEER. ANY DAMAGE TO THE STRUCTURES OR SIGNS DURING REMOVAL, TRANSPORTATION, STORAGE, RESETTING, AND/OR RELOCATION OF THE STRUCTURE OR SIGN SHALL BE REPAIRED BY, AND AT THE EXPENSE OF THE CONTRACTOR.
- (1) PAY ITEM IS FOR THE COMPLETE INSTALLATION OF 57 IMPACT ATTENUATOR PADS FOR 70 MPH DESIGN VELOCITY IN ACCORDANCE WITH ODOT STANDARD DRAWING IA1-1-00. THE QUANTITIES PER PAD ARE 6.83 CY OF CLASS "C" CONCRETE, 281 LBS. OF REINFORCING STEEL AND 19 SAND FILLED IMPACT ATTENUATOR MODULES.
- (2) PAY ITEM IS FOR THE INSTALLATION OF FOOTINGS FOR 4 TYPE B AND 14 TYPE C NEW MONOTUBE OVERHEAD SIGN STRUCTURES AS SHOWN IN THE PLANS. THE FOOTINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE M1 -M7 DETAIL SHEETS INCLUDED IN THE PLANS. THE COST OF THE COMPLETE BARRIER REMOVAL AND REPLACEMENT FOR ALL ITEMS SHOWN IN THE DETAIL SHEETS M1-M7, INCLUDING THE LONGITUDINAL BARRIER TRANSITION SECTIONS SHALL BE INCLUDED IN THE PRICE BID FOR THIS PAY ITEM.
- (3) PAY ITEM IS FOR THE REMOVAL OF 2 CANTILEVER AND 2 BRIDGE MOUNTED OVERHEAD SIGN STRUCTURES AS SHOWN IN THE PLANS. THE PRICE BID FOR THIS ITEM SHALL INCLUDE THE COST OF OBLITERATING THE FOOTINGS FOR THE 2 CANTILEVER STRUCTURES BELOW GROUND LEVEL TO THE SATISFACTION OF THE ENGINEER. SEE GENERAL CONSTRUCTION NOTES FOR DISPOSAL OF OLD CONCRETE FOOTING MATERIAL.
- (4) PAY ITEM IS FOR THE REMOVAL OF THE FOLLOWING SIGNS.
 - 1. FORTY (40) GROUND MOUNTED SIGNS WITH BEAM POSTS
 - 2. FOUR (5) W13-2 ADVISORY SPEED EXIT SIGNS ON UPRIGHTS OF OVHD SIGN STRUCTURES
 - 3. ONE (1) W13-2 ADVISORY SPEED EXIT SIGN MOUNTED ON PIPE POSTS

THESE SIGNS ARE BEING REMOVED AND ARE NOT BEING REPLACED ON THIS PROJECT. THE PRICE BID FOR THIS ITEM SHALL ALSO INCLUDE THE COST OF OBLITERATING THE FOOTINGS FOR APPROPRIATE SIGNS BELOW GROUND LEVEL TO THE SATISFACTION OF THE ENGINEER.
- (5) INCLUDED IN THE PRICE BID FOR THIS ITEM SHALL BE THE COST OF REMOVING THE EXISTING OVERHEAD AND GROUND SIGNS THAT ARE BEING REPLACED WITH NEW SIGNS ALONG WITH ALL PERTINENT POSTS OR BEAMS, AND OBLITERATION OF THE FOOTING BELOW GROUND LEVEL TO THE SATISFACTION OF THE ENGINEER. SEE GENERAL CONSTRUCTION NOTES FOR DISPOSAL OF OLD CONCRETE FOOTING MATERIAL.

THE NEW SIGNS THAT ARE BEING PLACED ON EXISTING BRIDGE STRUCTURES AND REPLACING OLD SIGNS SHALL REUSE THE EXISTING MOUNTING BRACKETS IF POSSIBLE, AS DETERMINED BY THE ENGINEER.
- (6) ALL PANEL AND OVERHEAD SIGNS SHALL HAVE TYPE IV HIGH INTENSITY BACKGROUND WITH TYPE XI LEGENDS AND BORDERS. THE TYPE IV BACKGROUND AND THE TYPE XI LEGENDS AND BORDERS SHALL MEET THE REQUIREMENTS OF ASTM D4956 (LATEST EDITION).

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.
- (7) PAY ITEM IS FOR THE REMOVAL OF A CANTILEVER TRUSS OVERHEAD SIGN STRUCTURE AND THE OVERHEAD SIGNS ON I-35/40, AS SHOWN IN THE PLANS. INCLUDED IN THE PRICE BID FOR THIS ITEM SHALL BE COST OF REMOVAL OF THE SAND FILLED IMPACT ATTENUATORS, ATTENUATOR PAD AND THE OBLITERATION OF THE CANTILEVER SIGN STRUCTURE FOOTING BELOW GROUND LEVEL TO THE SATISFACTION OF THE ENGINEER.

REVISIONS		
NO.	DESCRIPTION	DATE

PAY QUANTITIES			
0300 TRAFFIC SIGNING			
ITEM	DESCRIPTION	UNIT	TOTAL
509(D) 0325	CLASS C CONCRETE	(1) CY	389.31
511(A) 0332	REINFORCING STEEL	(1) LB	16017.00
516(A) 6096	DRILLED SHAFT 60" DIAMETER	(2) LF	770.00
804(A) 2915	STRUCTURAL CONCRETE	(TP-1) CY	97.34
804(B) 2916	REINFORCING STEEL	(TP-1) LB	20936.00
805(A) 8716	(PL) REMOVAL OF OVERHEAD SIGN STRUCTURE	(TS-39)(3) EA	4.00
805(A) 8718	(PL) REMOVAL OF OVERHEAD SIGN STRUCTURE & SIGNS	(TS-39)(7) LSUM	1.00
805(A) 8724	(PL) REMOVAL OF EXISTING SIGNS	(4) EA	46.00
850(A) 8110	SHEET ALUMINUM SIGNS	(5) SF	404.25
850(B) 8112	EXTRUDED ALUMINUM PANEL SIGNS	(5,6) SF	7580.25
850(B) 8114	EXTRUDED ALUMINUM PANEL SIGNS (OVERHEAD SIGNS)	(5,6,8) SF	39809.00
851(A) 3206	4"@13 GALV. STEEL WIDE FLANGE BEAM POST	LF	3356.70
851(A) 3207	6"@15 GALV. STEEL WIDE FLANGE BEAM POST	LF	114.60
851(A) 3208	6"@20 GALV. STEEL WIDE FLANGE BEAM POST	LF	128.40
851(A) 3209	6"@25 GALV. STEEL WIDE FLANGE BEAM POST	LF	137.30
851(A) 3210	8"@31 GALV. STEEL WIDE FLANGE BEAM POST	LF	601.40
851(A) 3213	10"@45 GALV. STEEL WIDE FLANGE BEAM POST	LF	84.00
851(B) 3218	3"@7.58 GALV. STEEL PIPE POST	LF	33.00
851(C) 8324	2" SQUARE TUBE POST	(TS-33) LF	863.00
852(D) 0305	OVHD. SN. STR., MONOTUBE TYPE B 75'	EA	1.00
852(D) 0320	OVHD. SN. STR., MONOTUBE TYPE B 90'	EA	1.00
852(D) 0330	OVHD. SN. STR., MONOTUBE TYPE B 100'	EA	1.00
852(D) 0345	OVHD. SN. STR., MONOTUBE TYPE B 115'	EA	1.00
852(E) 0500	OVHD. SN. STR., MONOTUBE TYPE C	EA	14.00
870(A) 8011	SAND FILLED IMPACT ATTENUATION MODULE	(TS-36)(1) EA	1083.00

CONSTRUCTION PAY QUANTITY			
0640 CONSTRUCTION			
ITEM	DESCRIPTION	UNIT	TOTAL
641 1552	MOBILIZATION	LSUM	1.00

STAKING PAY QUANTITY			
0600 STAKING			
ITEM	DESCRIPTION	UNIT	TOTAL
642(B) 0096	CONSTRUCTION STAKING LEVEL II	(9) LSUM	1.00

- (8) THERE ARE EXISTING OVERHEAD SIGNS ON THIS PROJECT THAT ARE BEING REMOVED AND NEW SIGN INSTALLED ON EXISTING BRIDGE MOUNTED OVERHEAD SIGN STRUCTURES. THE CONTRACTOR SHALL INSPECT THE BRIDGE STRUCTURE MOUNTING BRACKETS TO ASSURE THAT THEY HAVE NOT BEEN DAMAGED. IF THE CONTRACTOR FINDS THAT THE MOUNTING BRACKETS HAVE BEEN DAMAGED HE SHALL NOTIFY ODOT PERSONNEL BEFORE MOUNTING THE NEW SIGNS ON A STRUCTURE WITH DAMAGED MOUNTING BRACKETS.
- (9) PAY ITEM IS FOR STAKING THE LOCATION AND ORIENTATION OF THE NEW MONOTUBE SIGN STRUCTURES BEING INSTALLED ON THIS PROJECT.

Design	RWR	09/15/17
Drawn	GDB	09/15/17
 A CLEAR DIRECTION		

PAY QUANTITIES & NOTES