

# OKLAHOMA TURNPIKE AUTHORITY ENGINEERING DIVISION

## PAY QUANTITY NOTES AND GENERAL CONSTRUCTION NOTES FOR USE WITH 2019 ODOT SPECIFICATIONS

As of **January 03, 2024**, the following notes will become additional General and Pay Item Notes to be tied to items of work on OTA Contracts.

Since pay items are listed in the same order as the respective portion of the specifications, so will the notes that apply to them. These notes should only be revised to the extent of filling in blanks, otherwise a special note should be used, and using a different numbering system (without an O-).

The general construction notes included here will supplement the 2019 ODOT General Notes. Include G-note numbers in the plans. Be sure to read the text of the note to know if it applies to your project.

### **PAY QUANTITY NOTES**

- (O-1) INCLUDES AN ESTIMATED \_\_\_\_\_ CY TO BE USED FOR UNDERCUTTING AND BACKFILLING AREAS OF UNSUITABLE MATERIAL AS DIRECTED BY THE ENGINEER.
  - This note will be tied to both 202(A) UNCLASSIFIED EXCAVATION and 202(D) UNCLASSIFIED BORROW.
  
- (O-2) ESTIMATED QUANTITY ONLY. TO BE USED AS DIRECTED BY THE ENGINEER. PRICE BID FOR THIS ITEM SHALL INCLUDE THE COST OF SEDIMENT REMOVAL WHEN THE DEVICE IS HALF-FULL, OR AS DIRECTED BY THE ENGINEER.
  - This note will be tied to 221 TEMPORARY EROSION CONTROL pay items.
  
- (O-3) TO BE MEASURED AND PAID BASED ON THE THEORETICAL CROSS-SECTION SHOWN ON THE TYPICAL SECTION MULTIPLIED BY THE ACTUAL LENGTH INSTALLED.
  - This note will be tied to 303 AGGREGATE BASE.

(O-4) ELASTOMERIC COATING (SPECIAL CONCRETE FINISH) SHALL BE CIM 1000, OR APPROVED EQUAL. THIS ITEM SHALL BE APPLIED TO ALL ABUTMENTS AND PIERS AS SHOWN IN THE PLANS. THE ELASTOMERIC COATING SHALL BE A LIQUID APPLIED URETHANE COATING, CIM 1000 (COMMERCIAL INDUSTRIAL MEMBRANE), AS MANUFACTURED BY CIM INDUSTRIES, INC. OR AN APPROVED EQUAL. MATERIALS AND PRODUCT INFORMATION CAN BE OBTAINED FROM LASTER CASTOR CORP. OF TULSA, OKLAHOMA, PHONE NUMBER 800-414-4120 OR 918-234-7777. THE EQUIPMENT AND METHODS OF APPLYING THE URETHANE COATING (CIM 1000) SHALL BE IN ACCORDANCE WITH THE PRODUCT COATING PROFILE AND INSTRUCTION GUIDES FOR APPLICATION TO CONCRETE. PRECAUTIONARY MEASURES SHALL BE IN ACCORDANCE WITH THE MATERIAL SAFETY DATA SHEETS AS PROVIDED BY CIM INDUSTRIES, INC. THE COATING SHALL BE 60 MILS DRY THICKNESS AND 68 MILS WET THICKNESS. IN ADDITION TO APPLYING THE COATING TO THE CONCRETE SUBSTRUCTURE UNITS AS SHOWN IN THE PLANS, THE COATING SHALL RETURN UP THE VERTICAL SURFACES OF THE PIER/ABUTMENT BEARING PADS TO PROVIDE A WATER-TIGHT SEAL WITH THE CONCRETE PEDESTALS. THE RETURNS SHOULD ONLY EXTEND THE HEIGHT OF THE PADS. SURFACE PREPARATIONS AND PRODUCT MIXING SHALL BE PER THE MANUFACTURER'S RECOMMENDATIONS AND ALL NEW CONCRETE SHALL HAVE A MINIMUM STRENGTH OF 3000 PSI AT THE TIME OF APPLICATION. PRIMER SHALL BE APPLIED TO THE CONCRETE SURFACES PRIOR TO APPLYING THE COATING. ALL CONCRETE WORK SHALL BE COMPLETED PRIOR TO THE APPLICATION OF THE ELASTOMERIC COATING. WATER REPELLENT WILL NOT BE REQUIRED ON SURFACES THAT ARE COATED WITH CIM 1000. EDGES OF THE ELASTOMERIC COATING SHALL BE MASKED WITH TAPE PRIOR TO APPLICATION TO ENSURE CLEAN STRAIGHT LINES ARE OBTAINED. ANY AREAS CONTAINING ELASTOMERIC COATING OUTSIDE OF THE AREAS AS INDICATED IN THE PLANS SHALL BE CLEANED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.

- This note will be tied to ~~509-SPECIAL CONCRETE FINISH~~, 517 ELASTOMERIC COATING.

(O-5) LINEAR FOOT BID PRICE TO INCLUDE COST OF TRENCH EXCAVATION, BEDDING MATERIALS, AND SEPARATOR FABRIC.

- This note will be tied to 613(J) PERFORATED PIPE UNDERDRAIN and 613(K) NON-PERFORATED PIPE UNDERDRAIN.

(O-6) THE SALVAGED MATERIALS SHALL BE CAREFULLY REMOVED AND DELIVERED TO THE \_\_\_\_\_ MAINTENANCE YARD.

DELIVERIES ACCEPTED: 9:00 AM – 3:00 PM MONDAY THRU FRIDAY  
(24 HOUR NOTICE REQUIRED)

CONTACT PHONE: \_\_\_\_\_  
CONTACT PERSON: \_\_\_\_\_

- This note will be tied to 619(B) REMOVAL ITEMS that are to be salvaged.

(O-7) GUARDRAIL DELINEATORS SHALL BE PLACED AT 50' SPACING. GUARDRAIL DELINEATORS SHALL BE "PEXCO I-FLEX (WHITE)" DELINEATORS OR APPROVED EQUAL.

- This note will be tied to 853 GUARDRAIL DELINEATORS, EACH

(O-8) THE G.E.T. GUARDRAIL END SECTIONS SHALL BE IN ACCORDANCE WITH THE STD. SKT-I (LATEST REVISION). G.E.T. SYSTEM LENGTH IS 46'-10 1/2".

- This note will be tied to 623(H) G.E.T. GUARDRAIL END SECTION.

(O-9) DELINEATORS SHALL BE PLACED EVERY TENTH OF A MILE, 18" FROM EDGE OF PAVEMENT. DELINEATORS SHALL CONSIST OF A "PEXCO FLEXI-GUIDE MODEL 456" WITH A 3"X9" HIGH INTENSITY REFLECTIVE STRIP AND AN 18" STEEL SOIL ANCHOR MANUFACTURED BY "SAFE-HIT" OR AN APPROVED EQUIVALENT. THE LAST THREE (3) DELINEATORS APPROACHING A TURNAROUND SHALL BE YELLOW IN COLOR AND REFLECTIVE STRIP. ALSO INCLUDED IS THE COST TO REMOVE THE EXISTING DELINEATORS. REMOVED DELINEATORS TO BECOME PROPERTY OF THE CONTRACTOR.

- This note will be tied to 853 DELINEATORS.

(O-10) THIS ITEM IS TO BE USED AS APPROVED BY THE ENGINEER TO DIRECT TRAFFIC DURING THE VARIOUS STAGES OF CONSTRUCTION. CONTRACTOR MAY USE FLEX TABS OR CLASS A PAVEMENT MARKERS AT HIS OPTION. CONTRACTOR SHALL USE FLEX – TABS OR CLASS A PAVEMENT MARKERS FOR TEMPORARY MARKINGS AS SHOWN ON THE PLANS AND ON ALL FINISHED SURFACES. PAYMENT WILL BE BY THE LINEAR FOOT OF PAINT REGARDLESS OF THE ITEM USED. INCLUDED IN THE COST OF THIS ITEM SHALL BE INSTALLATION AND MAINTENANCE. REMOVAL, IF MATERIAL OTHER THAN PAINT, IS USED SHALL BE INCLUDED IN THIS ITEM. REMOVAL OF PAINT SHALL BE PAID FOR SEPARATELY.

- This note will be tied to 857(A) CONSTRUCTION TRAFFIC STRIPE (PAINT).

- (O-11) REMOVAL OF CONSTRUCTION STRIPE PAINT SHALL BE PAID BY THE LINEAR FOOT. THIS ITEM SHALL INCLUDE REMOVING STRIPE, ARROWS, WORDS AND SYMBOLS AS SHOWN IN THE PLANS. PRIOR TO PAVEMENT MARKING REMOVAL, CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR APPROVAL THE MEANS AND METHODS FOR THE PAVEMENT MARKING REMOVAL
- This note will be tied to 857 (A) CONSTRUCTION TRAFFIC STRIPE (PAINT) and include special provision SP 857 (Construction Zone Pavement Markings)
- (O-12) THIS ITEM INCLUDES COST TO FURNISH AND APPLY TACK COAT IN ACCORDANCE WITH STANDARD SPECIFICATION 407 BETWEEN ASPHALT LIFTS. OBTAIN APPROVAL FROM THE OSR OF THE CLEANLINESS OF ALL MILLED SURFACES BEFORE APPLYING THE TACK COAT.
- (O-14) MOWING SHALL BE IN \_\_\_\_\_ CYCLES, APPROXIMATELY MIDWAY THROUGH THE PROJECT AND AT LEAST WITHIN ONE WEEK PRIOR TO FINAL INSPECTION OR UPON DISCRETION OF THE ENGINEER.
- (O-15) DELETED
- (O-16) SURFACE CORRECTION TO THE TOP LIFT OF SUPERPAVE SHALL BE PERFORMED IN ACCORDANCE WITH SPECIAL PROVISION 430-2QA, "PAVEMENT AND BRIDGE DECK SMOOTHNESS". AREAS THAT REQUIRE SURFACE CORRECTION SHALL BE FOG SEALED USING EITHER CMS-IPF (ETAC) FROM ERGON OR HPE-C FROM CALUMET OR EQUIVALENT MATERIAL APPROVED BY THE ENGINEER. APPLICATION RATE SHALL BE IN ACCORDANCE WITH SECTION 407, "FOG SEAL AND TACK COAT" OF THE STANDARD SPECIFICATIONS. THE AUTHORITY SHALL CONSIDER THE COST OF FOG SEAL ON SURFACE CORRECTIONS TO BE INCLUDED IN OTHER ITEMS OF WORK. NO ADDITIONAL COMPENSATION FOR FOG SEALING THE SURFACE CORRECTIONS WILL BE ALLOWED.
- This note will be tied to the SUPERPAVE pay items.
- (O-17) CONTRACTOR TO VERIFY DIMENSIONS AND FURNISH SHOP DRAWINGS FOR APPROVAL BEFORE FABRICATION OF SIGNS
- This note will be tied to 850 pay items.
- (O-18) THE CONTRACTOR SHALL PROVIDE A CONTACT, AVAILABLE 24 HOURS A DAY, SEVEN DAYS A WEEK, THAT IS RESPONSIBLE FOR MAINTAINING AND KEEPING ALL TRAFFIC CONTROL DEVICES IN POSITION ANYTIME TRAFFIC IS DIRECTED AWAY FROM THE NORMAL TRAFFIC LANES OR ANYTIME THE ENGINEER DEEMS IT NECESSARY
- This note will be tied to Construction Temporary Traffic Control pay items.
- (O-19) BRIDGE HEIGHTS SHALL BE POSTED 3" LOWER THAN THE LOWEST MEASUREMENT TAKEN FROM THE ROADWAY SURFACE BELOW AS PROVIDED BY THE ENGINEER. CONTRACTOR SHALL SUBMIT DETAILS FOR ATTACHING THE VERTICAL CLEARANCE SIGN TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLING THE SIGNS ON THE BRIDGES.
- This note will be tied to W12-2p signs
- (O-20) ALL COSTS ASSOCIATED WITH INSTALLATION OF THE U-BOLTS AND SIGN SUPPORT BEAM INCLUDING MATERIAL, EQUIPMENT, LABOR, AND OTHER INCIDENTALS SHALL BE INCLUDED IN THE PRICE BID FOR S.F. OF "EXTRUDED ALUMINUM PANEL SIGNS".
- This note will be tied to "EXTRUDED ALUMINUM PANEL SIGNS" used in overhead sign structure applications.

## **GENERAL CONSTRUCTION NOTES**

### **Traffic Control**

- (G-48) CONTRACTOR SHALL NOT UTILIZE EMERGENCY VEHICLE TURNAROUNDS ON THE TURNPIKE.
- (G-49) TRUCK MOUNTED ATTENUATORS WILL BE USED TO PROTECT BLUNT ENDS EXPOSED TO TRAFFIC WHEN SAND FILLED IMPACT ATTENUATORS OR GUARDRAIL ARE REMOVED. THE CONTRACTOR SHALL NOT LEAVE ANY EXPOSED ENDS OF STRUCTURES.
- Tied to Construction Zone Impact Attenuator
- (G-50) DELETED
- (G-51) THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL AND CONSTRUCTION PHASING PLAN TO THE ENGINEER FOR REVIEW AND APPROVAL TWO WEEKS PRIOR TO BEGINNING CONSTRUCTION AND EACH PHASE OF THE PROJECT.
- (G-52) LANE LINES, AT A MINIMUM, SHALL BE ESTABLISHED AT ALL TIMES DURING CONSTRUCTION.

### **Miscellaneous**

- (G-53) CONTRACTOR SHALL DOCUMENT PRE-CONSTRUCTION SITE CONDITIONS BY MEANS OF PHOTOGRAPHS AND VIDEO WITH A DESIGNATED OTA REPRESENTATIVE, BEFORE THE START OF CONSTRUCTION. COST SHALL BE CONSIDERED AS INCIDENTAL AND NO SEPARATE PAYMENT SHALL BE MADE. CONTRACTOR SHALL PROVIDE THE ENGINEER A DIGITAL COPY OF THE PHOTOGRAPHS AND VIDEO AT THE PRE-WORK MEETING.
- (G-54) CONTRACTOR SHALL PERFORM ALL CONSTRUCTION STAKING REQUIRED FOR THE PROJECT. COST TO BE INCLUDED IN OTHER ITEMS OF WORK.
- Include this note when only miscellaneous staking is required. Do not use this note if the STAKING pay item is used.
- (G-55) CONTRACTOR SHALL PAY ALL TURNPIKE FEES. TOLL COST SHALL BE INCLUDED IN OTHER ITEMS OF WORK.
- (G-56) ALL WORK AND/OR MATERIALS NOT CLASSIFIED AS A "CONTRACT PAY ITEM" SHALL BE CONSIDERED INCIDENTAL AND THE COST THEREOF SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEMS WHICH ARE CLASSIFIED FOR PAYMENT.
- (G-57) DELETED

- (G-58a) DELETED
- (G-58b) DELETED
- (G-58c) DELETED
- (G-58d) DELETED
- (G-59) GEOTECHNICAL SUBSURFACE INVESTIGATION REPORTS ARE AVAILABLE FOR REVIEW AT THE OFFICE OF \_\_\_\_\_ AND THE OFFICE OF THE OKLAHOMA TURNPIKE AUTHORITY IN OKLAHOMA CITY. THE REPORTS ARE FOR INFORMATIONAL PURPOSES ONLY. OTA CANNOT GUARANTEE THE ACCURACY OF THE SOIL CONDITIONS.
- (G-60) DELETED
- (G-61) ALL FIELD MEASUREMENTS SHALL PREVAIL ON INSTALLATION AND REMOVAL.

**Site work/Right-of-Way**

- (G-62) DELETED – TO BE REPLACED BY AGREEMENT BETWEEN CONTRACTOR AND OTA FOR TEMPORARY USE OF OTA RIGHT OF WAY.
- (G-63) IF THE CONTRACTOR ELECTS TO OPEN A GATE IN THE RIGHT-OF-WAY FENCE, THE GATE SHALL EITHER BE LOCKED OR MANNED AT ALL TIMES. IF THE GATE IS FOUND UNLOCKED OR UNMANNED THREE TIMES, THE GATE WILL BE PERMANENTLY LOCKED.
- (G-64) OTA RETAINS THE RIGHT TO KEEP ANY ROADS FROM THE TURNPIKE TO THE COUNTY ROADS CONSTRUCTED BY THE CONTRACTOR. ALL ACCESS ROADS SHALL BE GATED AND ACCESS TO BE APPROVED BY THE OTA.
- (G-65) THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY RIGHT-OF-WAY FENCE AS REQUIRED. WHEN THE PORTION OF THE PROJECT THAT REQUIRED THIS FENCE IS COMPLETED, THE TEMPORARY FENCE SHALL BE REMOVED, AND PERMANENT RIGHT-OF-WAY FENCING SHALL BE RESTORED OR INSTALLED IN A MANNER APPROVED BY THE ENGINEER. ALL COST TO BE INCLUDED IN OTHER ITEMS OF WORK.

**Roadway**

- (G-66) DELETED
- (G-67) DELETED
- (G-68) DELETED

**Toll Specific**

- (G-69) WHEN AFFECTING TRAFFIC THRU A PIKEPASS “READER LANE”. NOTIFY TOLLETC@PIKEPASS.COM A MINIMUM OF FOURTEEN (14) DAYS IN ADVANCE. SENDING AN EMAIL DOES NOT CONSTITUTE APPROVAL. FOR LANE CLOSURES CONTACT TOLLETC@PIKEPASS.COM. THE CONTRACTOR SHALL NOTIFY TOLLETC@PIKEPASS.COM AT LEAST 21 DAYS PRIOR TO TURNING OVER AN ALL-ELECTRONIC TOLLING (AET) SITE.

- (G-70) WHEN FIBER OPTIC LINES ARE AFFECTED OR FIBER INSTALLATION IS REQUIRED, THE CONTRACTOR SHALL CONTACT THE IT DIVISION (LYRIC BROWN @ 405-905-8279 OR MATT LOEFFELHOLZ @ 405-306-8470) A MINIMUM OF 21 DAYS IN ADVANCE TO COORDINATE/SCHEDULE WORK. AFTER HOURS AND ON WEEKENDS CONTACT JOHN LEVAN @ 580-917-3830.

### **Bridge**

- (G-71) ALL DIMENSIONS OF THE EXISTING BRIDGE AND ROADWAYS SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, BOTH SURVEYED AND AS-BUILT, NECESSARY TO CONNECT THE NEW MATERIAL AND SHALL BE SOLELY RESPONSIBLE FOR THE ACCURACY THEREOF. REFER TO THE AS-BUILT PLANS FOR DIMENSIONS AND DETAILS NOT SHOWN IN THE PLANS.

### **Lane Closure / Ramp Closure Notes**

- (G-72) THE ENGINEER SHALL BE NOTIFIED BY THE CONTRACTOR FOURTEEN (14) DAYS PRIOR TO ALL CONSTRUCTION ACTIVITIES THAT REQUIRES A LANE/RAMP/TOLL FACILITY CLOSURE.
- (G-73) DELETED
- (G-74) MATERIAL TRANSFER VEHICLES AND TRUCKS SHALL USE INSIDE (OUTSIDE) LANES DURING CONSTRUCTION. ONLY ROLLERS AND PAVERS SHALL OPERATE IN AREAS ON PREPARED SUBGRADE (SHOULDER).
- This note to be used on shoulder and center median projects. Specify which lane will be allowed, i.e. either the INSIDE or the OUTSIDE depending upon what side the work is being performed.
- (G-75) ALL TRASH, DEBRIS, SPOILS, ETC. SHALL BE REMOVED IN A TIMELY MANNER. CONTRACTOR, AT HIS OWN EXPENSE, SHOULD KEEP THE SITES OF HIS OPERATIONS CLEAN DURING CONSTRUCTION AND REMOVE ALL RUBBISH AS IT ACCUMULATES. UPON FAILURE OF THE CONTRACTOR TO KEEP THE SITE OF HIS OPERATIONS CLEAN TO THE SATISFACTION OF THE ENGINEER, THE ENGINEER MAY, UPON 24-HOURS NOTICE TO THE CONTRACTOR, REMOVE RUBBISH, AS IS DEEMED NECESSARY, AND CHARGE THE COST THEREOF TO THE CONTRACTOR.
- (G-76) DELETED
- (G-77) ONLY THE AMOUNT OF GUARDRAIL THAT CAN BE REPLACED WITHIN 14 CALENDAR DAYS MAY BE REMOVED AT ANY TIME. A SCHEDULE OF REMOVAL SHALL BE SUBMITTED AND APPROVED BY THE ENGINEER. APPROPRIATE SAFETY SYSTEM SHALL BE IN PLACE TO PROTECT THE HAZARD
- (G-78) ANY GUARDRAIL WITHIN PROJECT LIMITS THAT HAS BEEN DAMAGED AS A RESULT OF AN ACCIDENT SHALL BE REPAIRED BY THE CONTRACTOR AND AN APPROPRIATE SAFETY SYSTEM SHALL BE IN PLACE WITHIN 48 HOURS OF CONTRACTOR NOTIFICATION NEW GUARDRAIL THAT HAS BEEN DAMAGED SHALL BE REPLACED WITHIN 14 DAYS OF THE ACCIDENT. OLD GUARDRAIL THAT HAS BEEN DAMAGED SHALL BE PROTECTED UNTIL IT IS REPLACED.