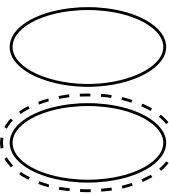


INTELLIGENT TRANSPORTATION SYSTEMS (ITS) PLAN NOTES

IN THE EVENT CONFLICTS OCCUR BETWEEN THE ITS PLAN NOTES AND THE MUTCD, THE MUTCD SHALL GOVERN.

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO



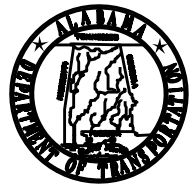
NOTES THAT APPLY TO THIS PROJECT.

NOTES THAT WERE EDITED BY DESIGNER.

1100. ELECTRICAL POWER SERVICE LOCATION(S) AS SHOWN ON THE PLANS ARE APPROXIMATE. CONTRACTOR SHALL DETERMINE EXACT LOCATION OF THE POWER SERVICE AND THE SHORTEST ROUTE TO SERVE ITS CABINET(S), ITS DEVICES(S), ETC.
1101. PRIOR TO INSTALLING ELECTRICAL POWER SERVICE LOCATION(S), THE CONTRACTOR SHALL STAKE SERVICE POLE LOCATIONS FOR REVIEW BY THE REGION TSM&O ENGINEER (OR THEIR REPRESENTATIVE). THE COST OF THIS WORK SHALL BE A SUBSIDIARY OBLIGATION OF PAY ITEM(S) 729-K WHEN ITEM 680-A (GEOMETRIC CONTROLS) IS NOT INCLUDED IN THE CONTRACT. THE ENGINEER, AFTER CONSULTATION WITH THE CONSTRUCTION BUREAU, MAY MAKE ADJUSTMENTS TO SERVICE POLE(S) LOCATIONS TO AVOID CONFLICTS WITH UTILITIES OR OTHER STRUCTURES.
1102. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY OWNERS AND/OR LINE LOCATION SERVICE(S) TO DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES ON THIS PROJECT, WHETHER SHOWN ON THE PLANS OR NOT. DAMAGE TO UTILITIES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE UTILITY COMPANY AND THE ENGINEER. ANY COST OF SUCH REPAIRS SHALL BE BORNE BY THE CONTRACTOR.
1103. THE LOCATION OF ANY REQUIRED COMMBOXES AND/OR ELECTRICAL/FIBER OPTIC CABLE CONDUITS MAY BE ADJUSTED WITH APPROVAL OF THE ENGINEER TO PREVENT ANY CONFLICTS WITH EXISTING UTILITIES.
1104. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRS OF DAMAGE TO ANY ROADWAY, LIGHTING, OR BRIDGE ELEMENTS THAT OCCUR DURING THE CONSTRUCTION OF THIS PROJECT DUE TO THEIR OPERATIONS. THE METHOD OF REPAIR SHALL BE APPROVED BY THE ENGINEER PRIOR TO REPAIRS BEING DONE. ANY COST OF SUCH REPAIRS SHALL BE BORNE BY THE CONTRACTOR.
1105. THIS PROJECT SHALL BE LIMITED TO ____ (_) END-TO-END SPLICES OF THE FIBER OPTIC TRUNK CABLE, ____F AT LOCATIONS SELECTED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
*****DELETE THIS TEXT** DESIGNER TO POPULATE BLANKS IF USED*****
1106. AT FIBER OPTIC CABLE END-TO-END SPLICE LOCATION(S) AND AT FIBER OPTIC CABLE END-OF-RUN LOCATION(S), THE CONTRACTOR SHALL PROVIDE A COMPLETE FUSION SPLICE INSTALLATION. FUSION SPLICE INSTALLATION SHALL BE EQUIPPED WITH SPLICE CLOSURE AND SPLICE TRAY. THE FUSION SPLICE SHALL BE HOUSED WITHIN AN F2 OR LARGER COMMBOX FOR BURIED FIBER OPTIC CABLE. AN ADDITIONAL COMMBOX MAY BE REQUIRED IF NOT ACCOUNTED FOR IN BOX SCHEDULES AND SHALL BE HANDLED IN ACCORDANCE WITH SECTION 104 OF THE ALDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
1107. CONTRACTOR SHALL PROVIDE ACCURATE 'AS-BUILT' PLAN SET AND SPLICE CHARTS AS PART OF THE PROJECT ACCEPTANCE PROCESS. THE ENGINEER SHALL VERIFY THE ACCURACY OF THE DRAWINGS PRIOR TO ACCEPTANCE.
1108. PRIOR TO INSTALLATION OF FIBER OPTIC CABLE, THE CONTRACTOR SHALL COORDINATE FIBER ALLOCATIONS WITH THE REGION TSM&O ENGINEER. CONTRACTOR SHALL HAVE ALL SPLICE CHARTS APPROVED BY THE ENGINEER PRIOR TO INSTALLING FIBER OPTIC CABLE. IF CONTRACTOR INSTALLS FIBER OPTIC CABLE PRIOR TO THE ENGINEER'S APPROVAL OF SPLICE CHARTS, THE CONTRACTOR SHALL BEAR ANY AND ALL COSTS OF CHANGES RELATED TO FIBER OPTIC CABLE INSTALLATION AND SPlicing THAT MAY BE REQUIRED BY ALDOT.
1109. CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR APPROVAL ALL ANCHORS, MOUNTING BRACKETS, CLAMPS, AND STRAPS PRIOR TO ANY INSTALLATION OF PRODUCT.
1110. ALL ANCHORS PLACED IN BRIDGE DECKS SHALL PENETRATE THE DECK A MAXIMUM OF 1-1/4 INCHES.
1111. ALL CONDUIT(S) MOUNTED UNDER THE BRIDGE DECK SHALL BE STRAPPED TO THE BRIDGE DECK IN FIVE (5) FOOT MAXIMUM INTERVALS.

1112. CONDUIT EXPANSION JOINTS SHALL BE INSTALLED EVERY FIFTY (50) FEET MAXIMUM WHERE CONDUIT(S) IS ATTACHED TO BRIDGE DECK.
1113. ALL ENCASEMENT RUNS SHALL CONTAIN ONE (1) EACH 6-INCH DIAMETER ELECTRICAL CONDUIT, 1 LINE, TYPE 5 INSTALLATION, UNLESS OTHERWISE SHOWN ON PLANS.
1114. PRECAUTIONS SHALL BE TAKEN TO ENSURE THAT ALL UNDERGROUND CONDUIT RUNS ARE LOCATED TO AVOID CONFLICT WITH PROPOSED OR EXISTING GUARDRAIL, SIGNPOST, ETC.
1115. DURING THE INSTALLATION OF 756-A ENCASEMENT, UPHEAVAL IN EXISTING PAVEMENT SHALL NOT BE ALLOWED.
1116. ACCESS TO ALL OPEN BUSINESSES SHALL BE MAINTAINED DURING INSTALLATION OF THE 756-A ENCASEMENT WHERE MORE THAN ONE ACCESS DRIVE IS AVAILABLE.
1117. ANY TRENCHES REQUIRED FOR CONSTRUCTION SHALL BE BACKFILLED THE SAME DAY.
1118. PRIOR TO INSTALLING ITS POLE(S), THE CONTRACTOR SHALL STAKE ITS POLE LOCATIONS FOR REVIEW BY THE REGION TSM&O ENGINEER (OR THEIR REPRESENTATIVE). THE COST OF THIS WORK SHALL BE A SUBSIDIARY OBLIGATION OF PAY ITEM(S) 729-L WHEN ITEM 680-A (GEOMETRIC CONTROLS) IS NOT INCLUDED IN THE CONTRACT. THE ENGINEER, AFTER CONSULTATION WITH THE CONSTRUCTION BUREAU, MAY MAKE ADJUSTMENTS TO ITS POLE(S) LOCATIONS TO AVOID CONFLICTS WITH UTILITIES OR OTHER STRUCTURES.
1119. PRIOR TO INSTALLING DYNAMIC MESSAGE SIGN(S) (DMS), THE CONTRACTOR SHALL STAKE OVERHEAD ROADWAY SIGN STRUCTURE POLE(S) LOCATIONS FOR REVIEW BY THE REGION TSM&O ENGINEER (OR THEIR REPRESENTATIVE). THE COST OF THIS WORK SHALL BE A SUBSIDIARY OBLIGATION OF PAY ITEM(S) 715-A WHEN ITEM 680-A (GEOMETRIC CONTROLS) IS NOT INCLUDED IN THE CONTRACT. THE ENGINEER, AFTER CONSULTATION WITH THE CONSTRUCTION BUREAU, MAY MAKE ADJUSTMENTS TO OVERHEAD ROADWAY SIGN STRUCTURE POLE(S) LOCATIONS TO AVOID CONFLICTS WITH UTILITIES OR OTHER STRUCTURES.
1120. ALL REQUIRED ITS POLES LOCATED BEHIND GUARDRAIL SHALL BE A MINIMUM OF FOUR (4) FEET BEHIND BACK OF GUARDRAIL POST(S).
1121. ANY HOLES EXCAVATED FOR STRUCTURE AND/OR POLE FOUNDATIONS SHALL BE COVERED IF LEFT OVERNIGHT. THE COVERING SHALL BE SUFFICIENTLY SECURED, AS APPROVED BY THE ENGINEER, TO AVOID UNINTENTIONAL DISPLACEMENT BY PERSONS, WIND, OR VEHICLES. THIS SHALL BE A SUBSIDIARY OBLIGATION OF PAY ITEM(S) 715-A, 729-K, AND/OR 729-L
1122. CONTRACTOR SHALL CONNECT EACH POLE GROUNDING SYSTEM IMMEDIATELY AFTER THE POLE HAS BEEN PLACED. NO METAL POLE SHALL BE LEFT UNGROUNDED AFTER IT HAS BEEN PLACED ON ITS FOUNDATION.
1123. COMMBOXES THAT ARE TO BE PLACED ALONG ROADWAYS SHALL HAVE A MINIMUM CLEARANCE OF TEN (10) FEET FROM THE EDGE OF THE PAVED SHOULDER AND FIFTEEN (15) FEET FROM THE EDGE OF PAVEMENT WHERE NO PAVED SHOULDER IS PRESENT, UNLESS OTHERWISE APPROVED BY THE ENGINEER. NO COMMBOXES SHALL BE BURIED OR PLACED WITHIN SIDEWALKS, SWALES, DRAINAGE AREAS, OR UNDER ITS DEVICES AND CABINETS.
1124. THE VERTICAL SEPARATION BETWEEN FIBER CABLE AND ELECTRICAL LINES AT POLE ATTACHMENTS SHALL MEET ALL PROVISIONS OF THE NATIONAL ELECTRIC SAFETY CODE (NESC), CURRENT EDITION, REGARDING CLEARANCES FROM ELECTRIC LINES.
1125. REQUIRED STRAPPING OF FIBER OPTIC CABLE TO MESSENGER CABLE SHALL BE LOCATED A MAXIMUM OF FIVE (5) FEET ON CENTER.

1126. AERIAL DROPS SHALL HAVE ADEQUATE SLACK IN THE TRUNK SERVICE LOOP WITH AMPLE LENGTH OF THE DROP CABLE. THIS SHALL ALLOW FOR THE DETACHMENT OF THE AERIAL SPLICE CLOSURE FROM THE TRUNK CABLE MESSENGER AND THE ABILITY TO LOWER SAID CLOSURE, TRUNK, AND DROP WITHOUT HAVING TO WORK IN A BUCKET TRUCK.
1127. LOCATION OF REQUIRED COMMBOXES AND PULL BOXES SHALL BE COORDINATED WITH THE ENGINEER PRIOR TO INSTALLATION.
1128. CONTRACTOR SHALL CONTINUE THE OPERATION AND MAINTENANCE OF THE EXISTING TRAFFIC SIGNAL INTERCONNECT UNTIL THE REQUIRED FIBER OPTIC INTERCONNECT IS FULLY OPERATIONAL.
1129. ALL EXISTING TRAFFIC SIGNALS SHALL REMAIN FULLY OPERATIONAL AND CONNECTED TO THE NETWORK VIA INTERCONNECT UNTIL ALL PROPOSED FIBER OPTIC EQUIPMENT IS INSTALLED AND CONNECTION TO THE FIELD NETWORK DEVICE(S) ARE OPERATIONAL.
1130. CONTRACTOR SHALL PROVIDE AND INSTALL FIBER OPTIC DROP CABLE FROM THE REQUIRED SPLICE CLOSURE TO THE SIGNAL CONTROLLER AT EACH SIGNALIZED INTERSECTION.
1131. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE ALL ITS COMPONENTS (INCLUDING, BUT NOT LIMITED TO, CAMERAS AND CAMERA CONTROLS, VIDEO ENCODERS, VEHICLE DETECTION SYSTEMS, NETWORK SWITCHES AND WIRELESS EQUIPMENT, AND DYNAMIC MESSAGE SIGNS) ARE COMPATIBLE WITH ALDOT'S ADVANCED TRAFFIC MANAGEMENT SYSTEM (ATMS) AND THAT THEY FUNCTION AS A COMPLETE SYSTEM.
1132. ALL STRUCTURES SHALL BE INSTALLED FREE OF ANY APPURTENANCES. THE INSTALLATION OF DEVICES, CABINETS, OR OTHER APPURTENANCES WILL BE ALLOWED FOLLOWING INSPECTION OF THE STRUCTURE BY THE ENGINEER.
1133. CONTRACTOR SHALL INSTALL ALL UNDERGROUND BORES AT A MINIMUM OF FOUR (4) FEET BELOW EXISTING CONCRETE FLUMES AND CULVERTS UNLESS OTHERWISE INDICATED ON THE PLANS.
1134. UNDERGROUND CONDUIT (PAY ITEM 729-I) SHALL / MAY BE INSTALLED BY OPEN TRENCHING METHOD UNLESS OTHERWISE INDICATED ON THE PLANS.
*****DELETE THIS TEXT** DESIGNER TO CIRCLE SHALL*OR* MAY IF NOTE IS USED*****
1135. UNDERGROUND CONDUIT (PAY ITEM 729-I) SHALL / MAY BE INSTALLED BY PRECISION DIRECTIONAL BORING METHOD UNLESS OTHERWISE INDICATED ON THE PLANS.
*****DELETE THIS TEXT** DESIGNER TO CIRCLE SHALL*OR* MAY IF NOTE IS USED*****
1136. UNDERGROUND CONDUIT (PAY ITEM 729-I) SHALL / MAY BE INSTALLED BY VIBRATORY PLOWING METHOD UNLESS OTHERWISE INDICATED ON THE PLANS.
*****DELETE THIS TEXT** DESIGNER TO CIRCLE SHALL*OR* MAY IF NOTE IS USED*****
1137. UNDERGROUND CONDUIT (PAY ITEM 729-I) MAY BE INSTALLED BY OPEN TRENCHING METHOD FOR CONDUIT RUNS OF LESS THAN 100 FEET.
1138. WARNING TAPE SHALL BE REQUIRED FOR UNDERGROUND CONDUIT (PAY ITEM 729-I) INSTALLED BY OPEN TRENCHING METHOD.
1139. WARNING TAPE SHALL BE REQUIRED FOR UNDERGROUND CONDUIT (PAY ITEM 729-I) INSTALLED BY VIBRATORY PLOWING METHOD.
1140. WARNING TAPE SHALL NOT BE REQUIRED FOR UNDERGROUND CONDUIT (PAY ITEM 729-I) INSTALLED BY OPEN TRENCHING METHOD, PRECISION DIRECTIONAL BORING METHOD, OR VIBRATORY PLOWING METHOD UNLESS OTHERWISE SHOWN ON THE PLANS.
1141. IF WARNING TAPE (PAY ITEM 729I-810) IS NOT INCLUDED IN THE PLANS, THE COST OF THE WARNING TAPE SHALL PAID FOR AS A SUBSIDIARY OF UNDERGROUND CONDUIT (729I).



ALABAMA DEPARTMENT
OF TRANSPORTATION

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ROUTE

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- NOTES THAT APPLY TO THIS PROJECT.
- NOTES THAT WERE EDITED BY DESIGNER.

1142. CONTRACTOR SHALL BE AWARE OF THE FOLLOWING ONGOING CONSTRUCTION PROJECTS:
_____ - _____ (_____) : _____.
_____ - _____ (_____) : _____.
_____ - _____ (_____) : _____.

1143. THE REQUIRED NETWORK DEVICE, TYPE _____ (_____) SHALL BE ONE OF THE FOLLOWING:
_____.
_____.
_____.

1144. THE REQUIRED WIRELESS NETWORK DEVICE, _____ SHALL BE ONE OF THE FOLLOWING:
_____.
_____.
_____.

1145. THE REQUIRED CAMERA, _____ SHALL BE ONE OF THE FOLLOWING:
_____.
_____.
_____.

1146. THE REQUIRED VEHICLE DETECTION SYSTEM (VDS), _____ SHALL BE ONE OF THE FOLLOWING:
_____.
_____.
_____.

1147. THE REQUIRED DYNAMIC MESSAGE SIGN (DMS), _____ (SIZE _____) SHALL BE ONE OF THE FOLLOWING:
_____.
_____.
_____.

1148. THE REQUIRED ENVIRONMENTAL SENSOR, _____ SHALL BE ONE OF THE FOLLOWING:
_____.
_____.
_____.

1149.

1150.

1151.



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