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| ALABAMA DEPARTMENT OF TRANSPORTATIONCHECKLIST – Traffic Signal Plans | Project No.      | Reference No.      |
| Location      |
| County | Date      |
| Checked By      | Consultant      |  |

I. GENERAL

 A. UPDATE TRAFFIC SIGNAL PROJECT LIST [ ]

 B. GEOTECHNICAL DATA FOR SOIL BORINGS [ ]

 C. SALVAGE VALUE ($5000) [ ]

 D. TRAFFIC SIGNAL WARRANT ANALYSIS [ ]

 E. IF TRAFFIC SIGNAL REMOVED NEED REMOVAL WARRANTS [ ]

 F. REFERENCES MUTCD, STANDARD DRAWINGS, AND THE TRAFFIC SIGNAL DESIGN GUIDELINES TIMING MANUAL

II. TRAFFIC SIGNAL PLAN SHEETS

 A. TITLE SHEET

 1. Title to include the word “Signals” [ ]

 B. LEGEND SHEET

 1. Traffic Signal / ITS Legend Sheet included [ ]

 2. Is this the most current Legend Sheet [ ]

 3. Fill in title block [ ]

 4. Sheet number in title box [ ]

 C. INDEX TO SHEETS

 1. Check sheet numbers against plan sheet numbers. [ ]

 2. Check description of all special detail drawings [ ]

 3. All fiber optic special detail drawings are included [ ]

 4. List applicable SHS standard drawings [ ]

 5. Fill in title block [ ]

 6. Sheet number in title box [ ]

 D. TRAFFIC SIGNAL NOTE SHEET / ITS NOTE SHEET

 1. Is this ITS Note Sheet required? [ ]

 2. Is this the most current ITS Note Sheet [ ]

 3. Is this the most current Traffic Signal Note Sheet? [ ]

 4. Are the notes circled? [ ]

 5. Fill in title block [ ]

 6. Sheet number in title box [ ]

 E. TRAFFIC SIGNAL BOX SHEET

 1. Show TSD Standard Drawings and Special Detail Fiber Drawings [ ]

 2. Check box sheet item descriptions against pay items list [ ]

 3. Check box sheet for all required pay items [ ]

 4. Fill in title block [ ]

 5. Sheet number in title box [ ]

 F. SUMMARY OF QUANTITIES SHEET

 1. Check box sheet item descriptions against pay items list [ ]

 2. Complete upper title box and lower title area [ ]

 3. Check description and pay item number against box sheet [ ]

 4. Fill in title block [ ]

 5. Sheet number in title box [ ]

 G. TRAFFIC SIGNAL LAYOUT SHEET

 1. Use current ALDOT plan sheet files for traffic signal plan sheets [ ]

 2. All traffic signal layouts should be drawn to scale [ ]

 3. Show North Arrow [ ]

 4. Show scale [ ]

 5. Use symbols shown on Legend Sheet [ ]

 6. Show R.O.W. [ ]

 7. Show alignment with stations [ ]

 8. Show utilities [ ]

 9. Show railroad tracks, name, and R.O.W. [ ]

 10. Show drainage flumes [ ]

 11. Show drainage culverts [ ]

 12. Show R10-10, R10-12, and R4-B signs on layout" [ ]

 13. Show encasement under roadways and paved driveways [ ]

 14. Show detection zones for video detection [ ]

 15. Show luminaires [ ]

 16. Show quadrupole loops for protected and protected permissive left turns [ ]

 17. Show removal diagrams for existing or temporary equipment [ ]

 18. Show special phasing diagrams [ ]

 19. Label roadway names and routes on layout and on removal diagram [ ]

 20. Number traffic signal heads, pedestrians heads, and push buttons & check position [ ]

 21. Check signal head numbering against TSOP [ ]

 22. Check distance from stop lines to signal heads [ ]

 23. Do pedestrian heads align with crosswalk? [ ]

 24. Label pole mounted controller cabinet [ ]

 25. Number traffic signal poles [ ]

 26. Show pole height and luminaire length, [ ]

 27. Signal heads oriented with the lanes [ ]

 28. Are there 2 signals heads for each main approach? MUTCD [ ]

 29. Show distance from stop lines to setback loops [ ]

 30. Complete Conduit and Conductor Schedule [ ]

 31. Complete the Estimated Equipment and Material Schedule [ ]

 32. Complete the Supporting Structures Schedule [ ]

 33. Location of controller shown [ ]

 34. Junction box to junction box distance approximately 300 - 350 feet apart [ ]

 35. Show striping, legends, crosswalks and markings [ ]

 36. Add note that striping is for illustrative purposes only [ ]

 37. Show encasement and label size, number of lines, and type [ ]

 38. Check curves for site distance to signal heads [ ]

 39. Timing Box [ ]

 40. Check need for advance warning signs? [ ]

 41. TSOP note [ ]

 42. Show Power Source (Label if existing retain) [ ]

 43. Show traffic signal faces [ ]

 44. Show sign faces [ ]

 45. Check speed against loop setback distances [ ]

 46. Are there any voltage drop concerns [ ]

 50. Are all materials and equipment without pay items listed in the Estimated Equipment Box [ ]

 51. Check the need for advance warning signs or flashers [ ]

 52. Conduit attached to bridge is either metallic, schedule 80 PVC, or HDPE [ ]

 53. Luminaires are perpendicular to roadway edge [ ]

 54. Heads no closer than 8 feet apart [ ]

 55. Consider future roadway improvements (pole setback etc) [ ]

 56. Luminaires and poles clear overhead utilities [ ]

 57. At least 2 traffic signal heads for major movement [ ]

 58. Show Guardrail

 59. Show volume density timings for setback loops

 H. RAILROAD PREEMPTION

 1. Does railroad meet the MUTCD criteria for traffic signal preemption? [ ]

 2. Check for need of blank out message sign [ ]

 3. Railroad Row [ ]

 4. Title Sheet RR Name, DOT No., Milepost on RR track [ ]

 5. Junction box and connection note [ ]

 6. Under track bores require steel pipe [ ]

 7. Preemption Phasing [ ]

 8. Railroad Notes on Traffic Signal Note Sheet [ ]

 9. Agreements requested or commented on a meeting [ ]

 10. Overhead wire line must have diagram specific to the particular railroad company [ ]

 I. INTERCONNECT SHEET

 1. Begin and end work and project stations agree with plan sheets [ ]

 2. 1"=100' scale [ ]

 3. Show Scale [ ]

 4. Check match lines [ ]

 5. Show all poles aerial interconnect is to be attached [ ]

 6. Show location of controllers [ ]

 7. Show begins and end project and work [ ]

 8. Show guardrail

 9. If fiber optics involved label mode of fiber and number of fibers [ ]

 10. Check match lines [ ]

 11. Fill in title block [ ]

 12. Sheet numbers [ ]

 J. FOR INFORMATION ONLY PLAN SHEETS

 1. Proper sheet number references for this plan [ ]

 2. Proper sheet number references for this plan. [ ]

 3. Project number included on sheet [ ]

 4. Mark “For Informational Purposes Only” across sheet [ ]

 5. Cross through old project sheet numbers and project number [ ]

 K. TCP SHEETS

 1. Check TCP's for coordination of traffic signal installation with roadway work [ ]

 2. Include the installation of traffic signals in the sequence of construction [ ]

 L. CROSS SECTION SHEETS

 1. Check location of traffic signal poles against cross sections to determine if will be in fill area [ ]

 M. STANDARD DRAWINGS

 1. Power Service Detail [ ]

 2. Metal Traffic Signal Pole, Sht 1 of 2 [ ]

 3. Metal Traffic Signal Pole, Sht 2 of 2 [ ]

 4. Traffic Signal Pole Foundation [ ]

 5. Spun Concrete Traffic Signal Pole [ ]

 6. Wooden Traffic Signal Pole Details [ ]

 7. Advance Warning at Intersections [ ]

 8. Intersection and Advanced School Warning Flasher Detail [ ]

 8. Pedestrian Signal Installation [ ]

 10. Base and Pole Mounted Controller Cabinet Installation [ ]

 11. Loop Wire Installation [ ]

 12. Video Detection Installation [ ]

 13. Junction Box Installation [ ]

 14. Type 1 and Type 5 Encasement Details [ ]

 15. Hardware for Interconnect Attachment Details [ ]

 16. Conduit Attached to Bridge Detail [ ]

N. FIBER OPTIC SPECIAL DETAILS

 1. Typical Fiber Optic Connectivity Process [ ]

 2. Typical Detail Outside Plant Cable Pulling Operation [ ]

 3. Project Detail Open Trench Construction for Fiber Optic Cable [ ]

 4. Overhead Splice Details [ ]

 5. Down Guy & Aerial Junction Details [ ]

 6. Extension Arm Details [ ]

 7. Grounding Details [ ]

 8. Cable Slack Details [ ]

 9. Pole Attachment Code Requirements [ ]