

Georgia Department of Transportation Programmatic Technical Provisions

Design-Build Project

VOLUME 3 MANUALS (Technical Documents)

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All Work shall conform with all applicable Manuals and Guidelines developed for and including AASHTO, FHWA, GDOT, and additional requirements stated in this document and reasonably inferred therefrom. It is the Design-Build Teams responsibility to verify order of the precedence of any State or Federal manual requirement where any potential conflict may exist. The Design-Build Team shall coordinate with the appropriate State and/or Federal agency to confirm the policy and regulations to avoid any conflict of the following manuals prior to design and/or construction. Following is a list of manuals and guidelines that shall be used, in the performance of Work provided that the Work shall not be governed solely by such manuals and guidelines listed herein, and provided further that it is the Design-Build Team's responsibility to locate and utilize the most current edition at the time of the RFP advertisement, including updates, of all such referenced materials for the Work required.

1. AASHTO – A Policy on Geometric Design of Highways and Streets
https://bookstore.transportation.org/collection_detail.aspx?ID=110
2. AASHTO – Guide for High-Occupancy Vehicle Facilities
https://bookstore.transportation.org/Item_details.aspx?id=114
3. AASHTO – Standard Specification for Structural Supports for Highway Signs, Luminaires and Traffic Signals (LTS-6)
https://bookstore.transportation.org/collection_detail.aspx?ID=126
4. AASHTO – Roadside Design Guide
https://bookstore.transportation.org/item_details.aspx?ID=1807
5. AASHTO – Roadway Lighting Design Guide
https://bookstore.transportation.org/item_details.aspx?ID=1412
6. AASHTO – LFD Standard Specifications for Highway Bridges, 17th Edition
https://bookstore.transportation.org/Item_details.aspx?id=51
7. AASHTO – AASHTO LRFD Bridge Construction Specifications, 6th Edition
https://bookstore.transportation.org/collection_detail.aspx?ID=132
8. AASHTO –Manual for Bridge Evaluation, 2nd Edition, with 2011 Interim Revisions
https://bookstore.transportation.org/item_details.aspx?ID=1809
9. AASHTO – Guide Specification for Structural Design Sound Barrier
https://bookstore.transportation.org/item_details.aspx?ID=1155
10. AASHTO – AWS D1.1/ANSI Structural Welding Code – Steel
http://www.techstreet.com/cgi-bin/detail?doc_no=AWS%7CD1_1_D1_1M_2008&product_id=1519645
11. AASHTO – D1.5/AWS D1.5 Bridge Welding Code
https://bookstore.transportation.org/item_details.aspx?ID=1756
12. AASHTO – Highway Capacity Manual
http://www.techstreet.com/cgi-bin/detail?product_id=957255

13. Federal Highway Administration (FHWA) Roadway Construction Noise Model (RCNM) and Guideline Handbook
http://www.fhwa.dot.gov/environment/noise/construction_noise/rcnm/index.cfm
14. AISC Manual of Steel Construction, referred to as “AISC Specifications”
<http://www.aisc.org/store/p-1578-steel-construction-manual-thirteenth-edition.aspx>
15. American National Standards Institute (ANSI)/ Illuminating Engineering Society of North America (IESNA) RP-14-8-Recommended Practice for Roadway Lighting
<http://www.ies.org/store/product/roadway-lighting-ansiies-rp814-1350.cfm>
16. America Disabilities Act Accessibility Guidelines (ADAAG)
<http://www.ada.gov/stdspdf.htm>
17. Manual of Uniform Traffic Control Devices (MUTCD)
<http://mutcd.fhwa.dot.gov/>
18. GDOT – Signing and Marking Design Guidelines
<http://www.dot.ga.gov/PS/DesignManuals/DesignGuides>
19. GDOT – Utility Accommodation Policy and Standards Manual
<http://www.dot.ga.gov/PS/Utilities>
20. GDOT - Geotechnical Engineering Manual and Guidelines
<http://www.dot.ga.gov/PS/Materials>
21. GDOT – STI (Sampling, Testing and Inspection) Quick Guide and Documents
<http://www.dot.ga.gov/PS/Materials>
22. GDOT – Qualified Products List (QPL)
<http://www.dot.ga.gov/PS/Materials/QPL>
23. GDOT – Pavement Design Manual
<http://www.dot.ga.gov/PS/Materials>
24. GDOT – Manual on Drainage Design for Highways
<http://www.dot.ga.gov/PS/DesignManuals/DesignGuides>
25. GDOT – Automated Survey Manual
<http://www.dot.ga.gov/PS/DesignManuals/DesignGuides>
26. GDOT – Regulations for Driveway and Encroachment Control
<http://www.dot.ga.gov/PS/DesignManuals/DesignGuides>
27. GDOT – Electronic Data Guidelines
<http://www.dot.ga.gov/PS/DesignManuals>
28. GDOT – Plan Development Process
<http://www.dot.ga.gov/PS/DesignManuals/DesignGuides>
29. GDOT – Plan Presentation Guide
<http://www.dot.ga.gov/PS/DesignManuals>
30. GDOT – Preliminary Field Plan Review Checklist
<http://www.dot.ga.gov/PS/DesignManuals/DesignResources>
31. GDOT – Final Field Plan Review Checklist
<http://www.dot.ga.gov/PS/DesignManuals/DesignResources>

32. GDOT – Design Policy Manual
<http://www.dot.ga.gov/PS/DesignManuals/DesignGuides>
33. GDOT – ITS Design Manual
<http://www.dot.ga.gov/PS/DesignManuals/DesignGuides>
34. GDOT – NPDES General Permit Guidance
<http://www.dot.ga.gov/PS/DesignManuals/DesignGuides>
35. GDOT – LRFD Bridge and Structure Design Manual
<http://www.dot.ga.gov/PS/DesignManuals/DesignGuides>
36. GDOT – Environmental Procedures Manual
<http://www.dot.ga.gov/PS/DesignManuals/EnvironmentalProcedures>
37. GDOT – Standard Specifications, Construction of Transportation Systems
<http://www.dot.ga.gov/PS/Business/Source/Specifications>
38. GDOT – Special Provisions, Shelf Special Provisions, Reference Special Provisions, Supplemental Specifications
SharePoint Site
39. GDOT – Construction Standards and Details
http://standarddetails.dot.ga.gov/stds_dtls/
40. GDOT – Right of Way Manual
<http://www.dot.ga.gov/PartnerSmart/DesignManuals/ROW/00ExternalRightofWayManual.pdf>
41. GDOT – Acquisition Guide for Local Public Agencies
<http://www.dot.ga.gov/PartnerSmart/DesignManuals/ROW/ROW-AcquisitionGuideforLocalPublicAgenciesSponsors.pdf>
42. GDOT – Statewide MS4 Permit
http://epd.georgia.gov/sites/epd.georgia.gov/files/related_files/site_page/Final_DOT_SW_NPDES_Permit_MS4_Dec_2011.pdf
43. GDOT – Design of Post-Construction BMPs
<http://www.dot.ga.gov/PS/DesignManuals/DesignGuides>
44. Georgia Soil and Water Conservation Commission - Manual for Erosion and Sediment Control in Georgia
<http://gaswcc.georgia.gov/manuals>
45. GDOT – Stormwater System Inspection and Maintenance Manual
<http://www.dot.ga.gov/PS/DesignManuals/DesignGuides>
46. Bridge Inspection Evaluation Maintenance Manual
https://bookstore.transportation.org/item_details.aspx?ID=1617
47. FHWA Traffic Detector Handbook
<http://www.fhwa.dot.gov/publications/research/operations/its/06108/06108.pdf>
48. FHWA Mitigation Strategies for Design Exceptions
http://safety.fhwa.dot.gov/geometric/pubs/mitigationstrategies/fhwa_sa_07011.pdf
49. FHWA Traffic Monitoring Guide
<http://www.fhwa.dot.gov/ohim/tmgbook.pdf>

50. Occupational Safety and Health Administration Standards (OSHA)
http://www.osha.gov/pls/oshaweb/owasrch.search_form?p_doc_type=STANDARDS&p_toc_level=1&p_keyvalue=Construction
51. National Electrical Safety Code ANSI C2 (NESC)
http://standards.ieee.org/nesc/nesc_preprint.html
52. U. S. Environmental Protection Agency Regulations
<http://www.epa.gov/lawsregs/>
53. GDOT – Public Information Policy Manual
54. American Railway Engineering and Maintenance-of-Way Association (AREMA)
<https://www.arema.org/>
55. GDOT – Work Zone Safety and Mobility Policy
<http://www.dot.ga.gov/PartnerSmart/Training/Documents/WZS/WorkZoneSafety/images/WorkZoneSafetyandMobilityPolicyRevwiithsubpartK.DOCX>
56. GDOT – Quality Control and Quality Assurance Manual
<http://www.dot.ga.gov/PS/DesignManuals/DesignResources>
57. Federal Railroad Administration Regulations
<http://www.fra.dot.gov>
58. MUTCD – Standards Highway Signs and Markings
http://mutcd.fhwa.dot.gov/ser-shs_millennium.htm
59. Georgia Stormwater Management Manual
<http://www.georgiastormwater.com/>
60. GDOT – ITS Strategic Deployment Plan (Posted on SharePoint)
61. ITE/AASHTO Traffic Management Data Dictionary (TMDD), Standards for Traffic Management Center to Center Communications Version 2.1
62. AASHTO – A Policy on Design Standards Interstate System
https://bookstore.transportation.org/item_details.aspx?ID=1175
63. Georgia Traffic Incident Management Guidelines
http://www.timtaskforce.com/documents/TIM/GeorgiaTIMGuidelines_FINAL_V0003.pdf
64. GDOT – Construction Manual and Form Documents
<http://www.dot.ga.gov/PartnerSmart/Business/Source/Pages/ConstructionSpecs.aspx>
65. Other manuals, documents, procedures and standards as referenced in the DB Documents