

**Georgia Department of Transportation
Technical Provisions**

I-285 & SR 400 Reconstruction Project

**VOLUME 3 MANUALS
(Technical Documents)**

Volume 3 Manuals (Technical Documents)

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 Developers responsibility to verify order of the precedence of any State or Federal manual requirement where any potential conflict may exist. The Developer 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 Developer'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 Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals (LTS-5)
https://bookstore.transportation.org/collection_detail.aspx?ID=126
4. AASHTO – Roadside Design Guide
https://bookstore.transportation.org/collection_detail.aspx?ID=105
5. AASHTO – Roadway Lighting Design Guide
https://bookstore.transportation.org/item_details.aspx?ID=1412
6. AASHTO –Standard Specifications for Highway Bridges, 17th Edition
https://bookstore.transportation.org/Item_details.aspx?id=51
7. AASHTO LRFD Bridge Design Specifications, 7th Edition with 2015 Interim Revisions (AASHTO LRFD Specifications)
https://bookstore.transportation.org/item_details.aspx?ID=2211
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. Federal Highway Administration (FHWA) Roadway Construction Noise Model (RCNM) and Guideline Handbook
http://www.fhwa.dot.gov/environment/noise/construction_noise/rcnm/index.cfm
13. AISC Manual of Steel Construction, referred to as “AISC Specifications”
<http://www.aisc.org/store/p-1578-steel-construction-manual-thirteenth-edition.aspx>
14. American National Standards Institute (ANSI)/ Illuminating Engineering Society of North America (IESNA) RP-8-14 Roadway Lighting
<http://www.ies.org/store/product/roadway-lighting-ansiies-rp814-1350.cfm>
15. America Disabilities Act Accessibility Guidelines (ADAAG)
http://www.ada.gov/2010ADAstandards_index.htm
16. Manual of Uniform Traffic Control Devices (MUTCD)
<http://mutcd.fhwa.dot.gov/>
17. GDOT – Signing and Marking Design Guidelines
<http://www.dot.ga.gov/PS/DesignManuals/DesignGuides>
18. GDOT – Utility Accommodation Policy and Standards Manual
<http://www.dot.ga.gov/PS/Utilities>
19. GDOT - Geotechnical Engineering Manual and Guidelines
<http://www.dot.ga.gov/PS/DesignManuals/DesignGuides>
20. GDOT – STI (Sampling, Testing and Inspection) Quick Guide and Documents
<http://www.dot.ga.gov/PS/Business/Source/STI>
21. GDOT – Qualified Products List (QPL)
<http://www.dot.ga.gov/PS/Materials/QPL>
22. GDOT – Pavement Design Manual
<http://www.dot.ga.gov/PS/DesignManuals/DesignGuides>
23. GDOT – Manual on Drainage Design for Highways
<http://www.dot.ga.gov/PS/DesignManuals/DesignGuides>
24. GDOT – Automated Survey Manual
<http://www.dot.ga.gov/PS/DesignManuals/DesignGuides>
25. GDOT – Regulations for Driveway and Encroachment Control
<http://www.dot.ga.gov/PS/DesignManuals/DesignGuides>
26. GDOT – Electronic Data Guidelines
<http://www.dot.ga.gov/PS/DesignManuals/DesignGuides>
27. GDOT – Plan Development Process
<http://www.dot.ga.gov/PS/DesignManuals/DesignGuides>
28. GDOT – Plan Presentation Guide
<http://www.dot.ga.gov/PS/DesignManuals/DesignGuides>
29. GDOT – Preliminary Field Plan Review Checklist
<http://www.dot.ga.gov/PS/DesignManuals/DesignResources>
30. GDOT – Final Field Plan Review Checklist
<http://www.dot.ga.gov/PS/DesignManuals/DesignResources>

31. GOT – Design Policy Manual
<http://www.dot.ga.gov/PS/DesignManuals/DesignGuides>
32. GDOT ITS Design Manual
<http://www.dot.ga.gov/PS/DesignManuals/DesignGuides>
33. GDOT – NPDES General Permit Guidance
<http://www.dot.ga.gov/PS/DesignManuals/DesignGuides>
34. GDOT – Bridge and Structures Design Manual
http://www.dot.ga.gov/PartnerSmart/DesignManuals/BridgeandStructure/GDOT_Bridge_and_Structures_Policy_Manual.pdf
35. GDOT – Environmental Procedures Manual
<http://www.dot.ga.gov/PS/DesignManuals/EnvironmentalProcedures>
36. GDOT – Standard Specifications, Construction of Transportation Systems
<http://www.dot.ga.gov/PS/Business/Source/Specifications>
37. GDOT – Special Provisions; Shelf Special Provisions, Reference Special Provisions, Supplemental Specifications Published in 2008 Edition, Supplemental Specifications Not Published in 2008 Edition
<http://www.dot.ga.gov/PS/Business/Source/SpecialProvisions>
<http://www.dot.ga.gov/PS/Business/Source/Specifications>
38. GDOT – Construction Standards and Details
<http://mydocs.dot.ga.gov/info/qdotpubs/ConstructionStandardsAndDetails/Forms/AllItems.aspx>
39. GDOT - ROW Manual
(Applicable portions of this document will be provided as an RID)
40. GDOT – Right-of Way Services
<http://www.dot.ga.gov/PartnerSmart/Public/Pages/ROW.aspx>
41. 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
42. GDOT - Design of Post-Construction BMPs
<http://www.dot.ga.gov/PS/DesignManuals/DesignGuides>
43. Georgia Soil and Water Conservation Commission - Manual for Erosion and Sediment Control in Georgia
<http://gaswcc.georgia.gov/manuals>
44. Highway Capacity Manual 2010
<http://www.techstreet.com/products/1786967>
45. Bridge Inspection Evaluation Maintenance Manual
https://bookstore.transportation.org/item_details.aspx?ID=1617
46. FHWA Traffic Detector Handbook
<http://www.fhwa.dot.gov/tfhrc/safety/pubs/lp90002/intro.htm>
47. FHWA Mitigation Strategies for Design Exceptions
http://safety.fhwa.dot.gov/geometric/pubs/mitigationstrategies/fhwa_sa_07011.pdf

48. FHWA Traffic Monitoring Guide
<http://www.fhwa.dot.gov/ohim/tmguide/index.htm>
49. 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
50. National Electrical Safety Code ANSI C2 (NESC)
http://standards.ieee.org/nesc/nesc_preprint.html
51. U. S. Environmental Protection Agency Regulations
<http://www.epa.gov/lawsregs/>
52. GDOT Public Information Policy Manual
53. American Railway Engineering and Maintenance-of-Way Association (AREMA)
<http://www.arema.org>
54. GDOT Work Zone Safety and Mobility Policy
<http://www.dot.ga.gov/PartnerSmart/Training/Documents/WZS/WorkZoneSafety/images/WorkZoneSafetyandMobilityPolicyRevwiithsubpartK.DOCX>
55. GDOT –Quality Control and Quality Assurance Manual
<http://www.dot.ga.gov/PS/DesignManuals/DesignResources>
56. Federal Railroad Administration Regulations
<http://www.fra.dot.gov>
57. MUTCD-Standards Highway Signs and Markings
http://mutcd.fhwa.dot.gov/ser-shs_millennium.htm
58. Georgia Stormwater Management Manual
<http://www.georgiastormwater.com/>
59. GDOT ITS Strategic Deployment Plan (Posted on SharePoint)
60. ITE/AASHTO Traffic Management Data Dictionary (TMDD), Standards for Traffic Management Center to Center Communications Version 2.1
61. AASHTO – A Policy on Design Standards Interstate System
https://bookstore.transportation.org/item_details.aspx?ID=1175
62. Georgia Traffic Incident Management Guidelines
http://www.timtaskforce.com/documents/TIM/GeorgiaTIMGuidelines_FINAL_V0003.pdf
63. GDOT Construction Manual and Form Documents.
<http://www.dot.ga.gov/PS/Business/Source/ConstructionSpecs>
64. FHWA Tech Brief on Construction Quality Assurance for Design-Build Highway Projects
<http://www.fhwa.dot.gov/publications/research/infrastructure/12039/12039.pdf>
65. Georgia Guidebook for Pedestrian Planning
https://www.dot.ga.gov/travelingingeorgia/bikepedestrian/Documents/ga_ped_guide.pdf
66. Georgia DOT Pedestrian & Streetscape Guide
http://www.dot.ga.gov/travelingingeorgia/bikepedestrian/documents/ped_streetscape_guide_june05.pdf

67. FHWA's Highway Design Handbook for Older Drivers and Pedestrians
<http://www.fhwa.dot.gov/publications/research/safety/humanfac/01103/>
68. AASHTO Bicycle and Pedestrian Design Guidelines
https://www.fhwa.dot.gov/environment/bicycle_pedestrian/guidance/design_guidance/bpdgl.cfm
69. AASHTO Guide for the Development of Bicycle Facilities, 4th Edition
https://bookstore.transportation.org/item_details.aspx?ID=1943
70. GDOT Stormwater System Inspection and Maintenance Manual
<http://www.dot.ga.gov/PS/DesignManuals/DesignGuides>
71. Other manuals, documents, procedures and standards as referenced in the DBF Documents.