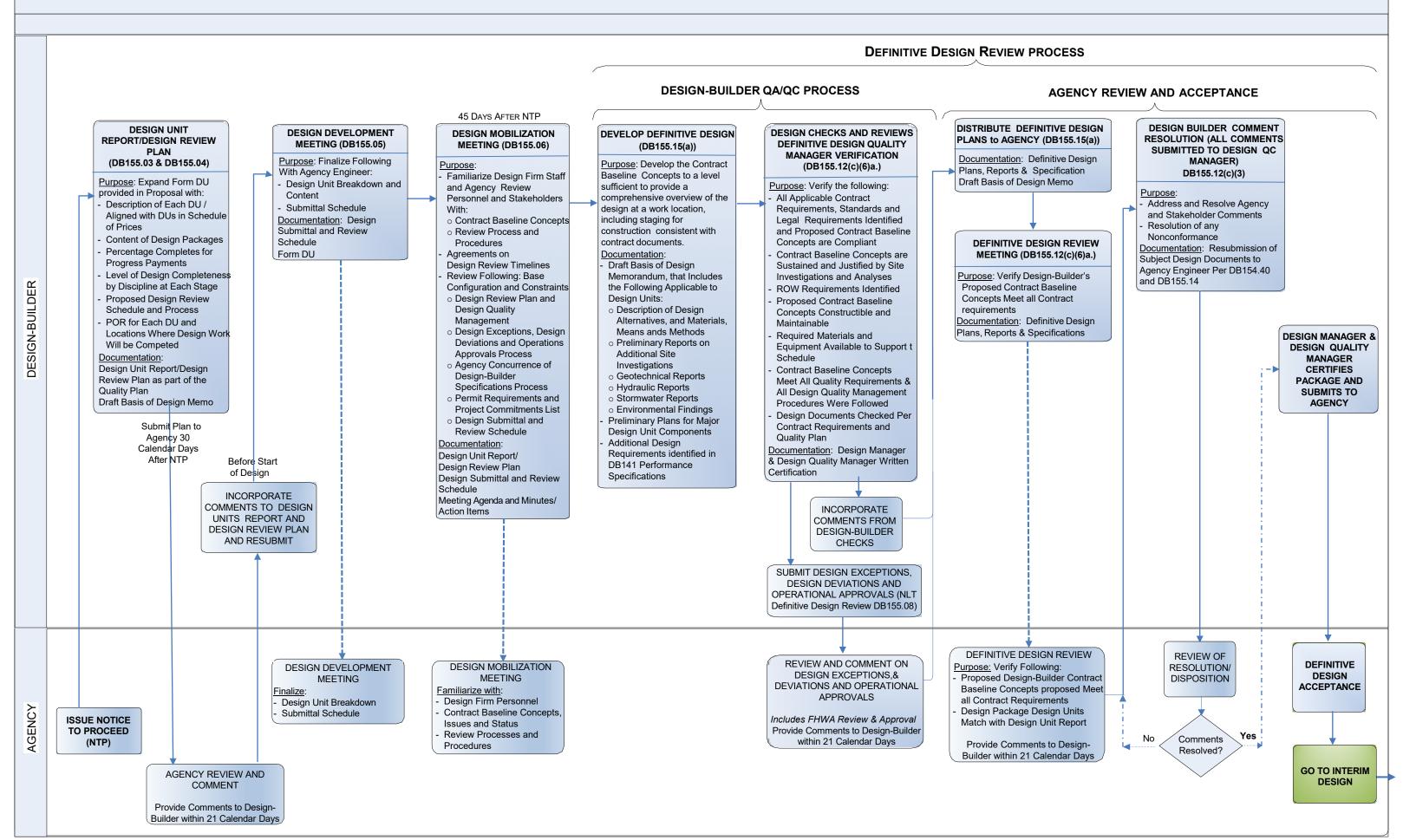
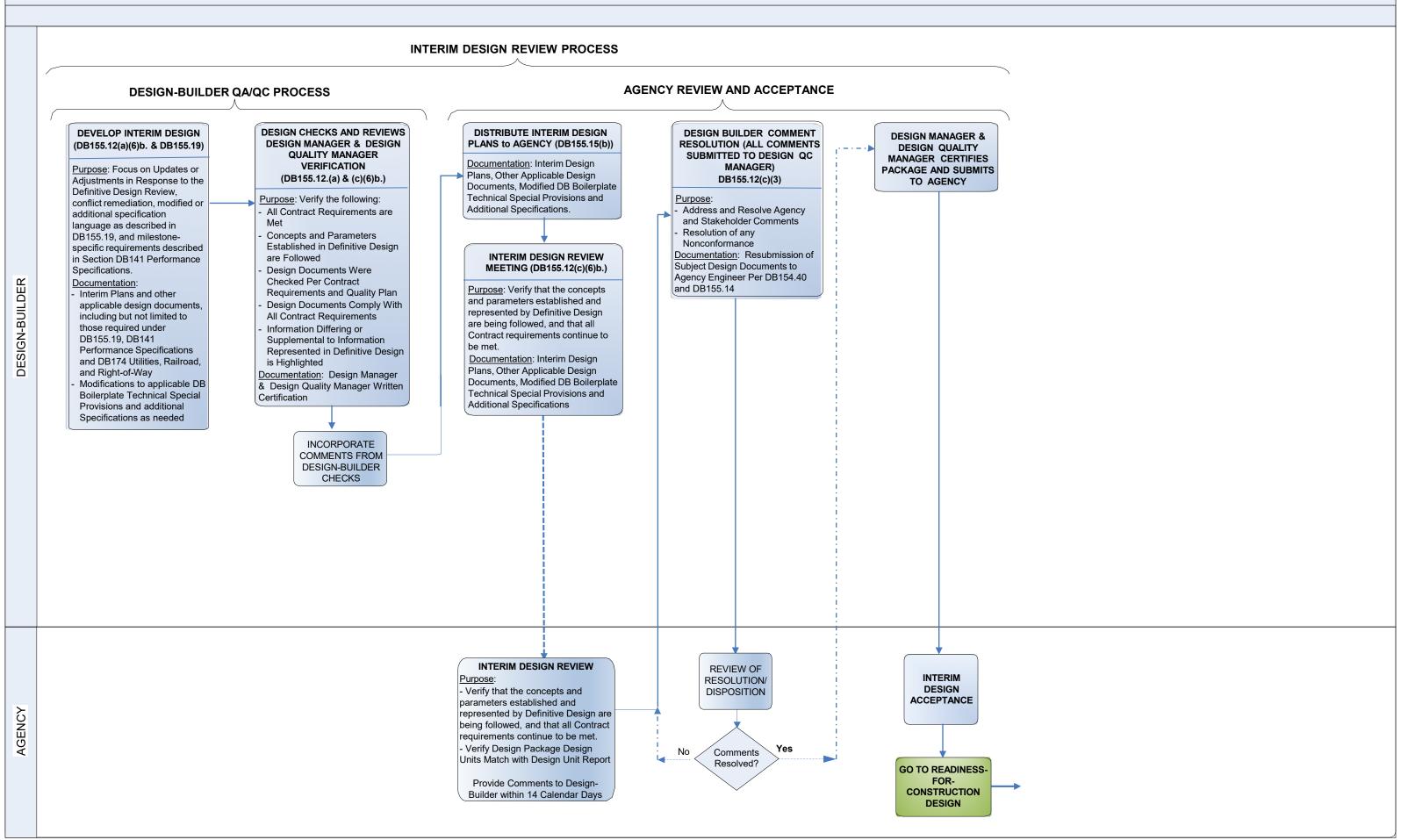
DESIGN BUILD DESIGN REVIEW PROCESS



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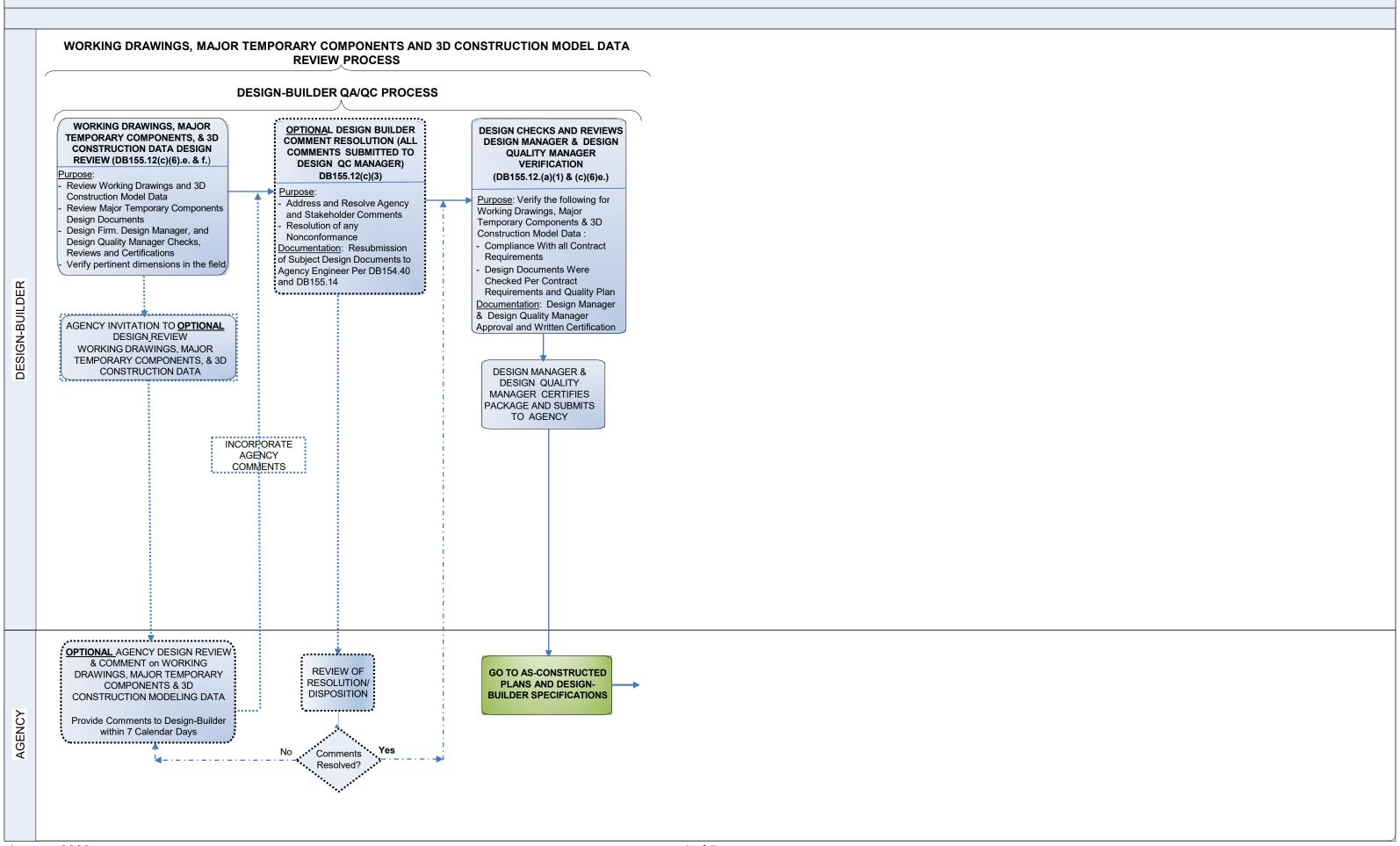


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READINESS-FOR-CONSTRUCTION REVIEW PROCESS **DESIGN-BUILDER QA/QC PROCESS** AGENCY REVIEW AND ACCEPTANCE QUALITY MANAGER CERTIFIES **DEVELOP READINESS-FOR-DESIGN CHECKS AND REVIEWS DESIGN BUILDER COMMENT** READINESS-FOR-CONSTRUCTION ISSUE AGENCY ACCEPTED CONSTRUCTION (DB155.15(c)) **READINESS-FOR-CONSTRUCTION DESIGN MANAGER & DESIGN RESOLUTION (ALL COMMENTS DESIGN REVIEW MEETING** READINESS-for-CONSTRUCTION PACKAGE AND SUBMITS TO **QUALITY MANAGER** SUBMITTED TO DESIGN QC (DB155.12(a)(6)c.) Purpose: Develop the Readiness-AGENCY DB155.02(b)(2)c.) DOCUMENTS VERIFICATION MANAGER) (DB155.12(c)(3) For-Construction Documents for Purpose: Verify concepts and (DB155.12(a)(1) & (c)(6)c. & d.) Purpose: Design Units Consistent with parameters established and Purpose: Purpose: Verify the following: Definitive Design Contract All Design Checks are Completed represented by Definitive Design Address and Resolve Agency and - All Contract Requirements are Met All Contract, Applicable Standards documents and Interim Design Reviews and all Stakeholder Comments ISSUE AGENCY FINAL DESIGN and Legal Requirements are Concepts and Parameters **Documentation: Minimum** Contract requirements are being Resolution of any REPORT (DB155.13((b)(2)B.) Complied With Established in Definitive & Interim requirements (Revise): followed and met: Nonconformance Design are Followed Readiness-For-Construction Design Exceptions, Design **Documentation**: Resubmission of Design Quality Manager Includes But Not Limited to: Information Differing or Plans and Specifications Deviations, and Operations Subject Design Documents to independent review Summary of final resolution or Final Basis of Design Memo, Supplemental to Information Approvals have been Approved by Agency Engineer Per DB154.40 and Documentation: Readiness-fordisposition for all review components Represented in Definitive Design Agency in Writing per DB155.08 Includes: DB155.14 Construction Plans, Specifications, and Monitoring Report and Non- Geotechnical Reports is Highlighted Modified DB Boilerplate Technical Reports and Written Certification Conformance Issues o Hydraulic and Stormwater Documentation: Design Manager & Special Provisions or Additional **DESIGN-BUILDER** Reports Design-Builder Specifications, as Design Quality Manager Written Other Technical Reports & Certification described in DB155.19 Approved by Memos Agency List of Applicable Hold Points Certification of Compliance of RFC (DB154.50) Plans and Specifications, Working DESIGN CHECKS and REVIEWS Estimated Quantities (DB190.10) Plans, Working Drawings and 3D READINESS-FOR-CONSTRUCTION Updated Form TSE, if Applicable (DB155.12(a)(2) & (3)) Construction Model Data (DB195.12(c) All Outstanding Issues and Independent Peer Review: Estimated Quantities for Liquid Comments From Design Review are Purpose: Review Permanent and Asphalt (DB195.10): Resolved Major Temporary Components for Fuel Escalation Form for Impacts and if Elements of Work Estimated Fuel Usage Quantities Meet Performance Requirements (DB195.11(d) Proposed Schedule of Values for Discipline-Specific Design Checks Construction Work Price Items Purpose: Design Checks by Additional Agency-Required Following Technical Disciplines: Documentation or Data (DB141) Bridge Design Design Manager and Design Hydraulic and Stormwater Quality Manager Certifications Engineering Geotechnical Engineering and Engineering Geology Hazardous Materials Land Surveying INCORPORATE Environmental COMMENTS FROM Pavement **DESIGN-BUILDER** Intelligent Transpiration System CHECKS Right-of-Way Roadway - Traffic READINESS-FOR-CONSTRUCTION **REVIEW OF DESIGN REVIEW** RESOLUTION/ **READINESS-FOR-**Purpose: Verify That all Concepts and DISPOSITION CONSTRUCTION Parameters Established and **DESIGN ACCEPTANCE** Represented by Definitive Design are AGENCY Followed, and tall Contract Requirements Continue are Met - Verify Design Package Design Units Yes No Comments Match with Design Unit Report Resolved? GO TO Provide Comments to Design-Builder WORKING DRAWINGS, MAJOR within 14 Calendar Days TEMPORARY COMPONENTS. & 3D CONSTRUCTION MODEL DATA

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DESIGN BUILD DESIGN REVIEW PROCESS



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DESIGN BUILD DESIGN REVIEW PROCESS AS-CONSTRUCTED PLANS AND DESIGN-BUILDER SPECIFICATIONS REVIEW PROCESS AGENCY REVIEW AND ACCEPTANCE **DESIGN-BUILDER QA/QC PROCESS DEVELOP AS-CONSTRUCTED DESIGN CHECKS AND REVIEWS** SUBMIT AS-CONSTRUCTED PLANS DESIGN BUILDER COMMENT ISSUE AGENCY ACCEPTED AS-PLANS AND DESIGN-BUILDER AS-CONSTRUCTED PLANS & AND DESIGN-BUILDER **RESOLUTION (ALL COMMENTS CONSTRUCTION COMPLETED** CONSTRUCTED PLANS AND SPECIFICATIONS (DB155.30) **DESIGN-BUILDER** SPECIFICATIONS FOR EACH DESIGN SUBMITTED TO DESIGN QC **DESIGN-BUILDER SPECIFICATIONS** SPECIFICATIONS DESIGN UNIT (DB155.12(c)(6).h & DB155.30) MANAGER) (DB155.12(c)(3) Purpose: **QUALITY MANAGER** Submit to Agency Within 90 Calendar Incorporation of Any Changes to **VERIFICATION (DB155.12.(a)(1))** Purpose: days After Final Second Notification the Accepted Readiness-for-Address and Resolve Agency and Construction Design Purpose: Verify that all As-Issuance. Stakeholder Comments Develop As-Constructed Plans and Purpose: Review and Acceptance of As-Constructed Modifications to the Resolution of any Constructed Plans and Design-Builder Design-Builder Specifications in Accepted Readiness-for-Nonconformance Specifications for Each Design Unit accordance with DB155.30 Construction Plans and Documentation: Resubmission of Specifications are Documented Subject Design Documents to Agency Engineer Per DB154.40 and **Documentation**: Design Quality Manager Written Certification DB155.14 DESIGN-BUILDER **DESIGN CHECKS AND REVIEWS** AS-CONSTRUCTED PLANS & **DESIGN-BUILDER** SPECIFICATIONS POR AND CONSTRUCTION MANAGER **REVIEW (DB155.30)** Purpose: Professional of Record and Construction Manager Review and Approval of As-Constructed Plans and Design-Builder Specifications INCORPORATE COMMENTS FROM **DESIGN-BUILDER** CHECKS **REVIEW OF** AS-CONSTRUCTED DESIGN RESOLUTION/ AS-CONSTRUCTED REVIEW DISPOSITION PLANS AND DESIGN-Purpose to Review, Verify and Accept **BUILDER SPECIFICATIONS** the Following: ACCEPTANCE AGENCY - All design and specifications changes made subsequent to Readiness-for-Construction Design Yes No Comments Review and Acceptance are Resolved? incorporated into As-Constructed Plans and Design-Builder Specifications Provide Comments to Design-Builder within 21 Calendar Days