STAGE 1
CONTEXT/SCOPING

STAGE 2
FOOTPRINT ESTABLISHED

STAGE 3
PLAN-IN-HAND

STAGE 4
PS&E

Set Up Project (1PM1)

(2PM1)

Manage Project (3PM1)

(4PM1)

Build Project Team (1PM2)

Stage 1 Concepts Activities (see next page)

Conduct Design-Level Survey (1SY1)

Hold Kickoff Meeting (1PM3)

Initiate Roadway Design (1RD2)

Complete Existing and No Structure Modeling (1ST2)

Begin Utility Coordination (1UT1)

Develop Geotechnical Work Plan (1GT2)

Begin Railroad Coordination (1RR2)

Conduct Initial Risk Workshop (1PM4)

Conduct Traffic Analysis, Warrants, & Significance Determination (1TD2)

Complete Environmental Resource Identification (1EN2)

Hold Scoping Meeting and L&G Field Review (1PM5)

Context/Scoping Complete

Develop Functional Design Plans (2RD1)

Complete SUE and Request Staking (2SY1)

Provide Pavement Design (2PV1)

Conduct Design Public Meeting (2RD2)

Complete Hydraulic Design (2ST1)

Develop Preliminary Bridge Plans (2ST2)

Conduct ROW Strategy Meeting(s) (2PM3)

Initiate Utility Pre-Acquisition Activities (2UT1)

Complete the Soils and Geology Report (2GT1)

Complete Foundation Reports (2GT2)

Initiate ROW Pre-Acquisition Activities (2RW1)

Execute ROW Proposal (2RW2)

Conduct Permit Assessment (2EN3)

Prepare ITS, Signals, and Lighting Sheets (2TD1)

Complete Environmental Document (2EN2)

Complete Environmental Resource Effects/Impacts Studies (2EN1)

Conduct Mitigation Assessment & Initiate Mitigation Design (2EN4)

Hold Functional Design Plans Field Review Meeting (2PM5)

Complete Project Commitment Document (PCD) (2PM2)

Footprint Established

Complete Plan-in-Hand Design (3RD1)

Complete Structural Design (3ST1)

Perform Utility Coordination (3UT1)

Perform Railroad Coordination (3RR1)

Complete Appraisal and Initiate Acquisition (3RW1)

Conduct Permit Strategy Meeting(s) (2PM4)

Complete and Obtain Aquatic Permit (3EN2)

Complete Signal, Lighting, and ITS Device Design (3TD1)

Finalize Stream and Wetland Mitigation Design (3EN1)

Hold Plan-in-Hand Field Review Meeting (3PM2)

Plan-in-Hand Complete

Finalize Construction Documents (4RD1)

Finalize Structural Plans (4ST1)

Prepare and Submit Utility or Railroad Certification (3UT2 or 3RR2)

Finalize Geotechnical Plans (4GT1)

Prepare and Submit ROW Certification (3RW2)

Finalize Signal, Lighting, and ITS Plans (4TD1)

Complete and Obtain Stormwater Permit (4EN1)

Hold PS&E Review Meeting (4PM2)

Contract Letting (5CN1)

DISCIPLINE LEGEND

- ENG. CONCEPTS
- ENVIRON
- PAVEMENT
- GEOTECH
- ROADWAY
- PROJECT MGT
- ROW
- RAILROAD
- STRUCTURES
- SURVEY/GEODETICS
- TRAFFIC DESIGN
- UTILITY

Q QUALITY CHECK

$ COST ESTIMATE CHECK

Stage 1 Concept Activities

Request Safety Data (1EC1)

Collect Safety Data (1TD1)

Conduct Initial Safety Analysis (incl high-level crash info (1TD1)

Set Up Project (1PM1)

Develop Info for Division Review (1EC1)

Initiate Division Reviews (1EC1)

Layout Initial Concept(s) (1EC2)

Kickoff Mtg/ Site Visit (1PM3)

Develop & Finalize the Concept Report (1EC3)

Request Traffic Data (1EC1)

Collect Traffic Data (incl forecasting) (1TD1)

Conduct IIE or Prel Traffic Analysis (Stage 1) (1TD1)

Complete IAR or SOAR (1EC4)

Conduct Environmental Desktop Review (1EN1)

Conduct Prel Geotechnical Assessment (1GT1)

Complete Concept-Level Utility Review (1UT1)

Conduct Active Transport Review (1AT1)

Provide Roadway Desktop Reviews (1RD1)

Complete Concept-Level Railroad Review (1RR1)

Develop Structures Recommendations (1ST1)

Division Review, Site Visit, and Comment Activities