STAGE 1
PROJECT INITIATION

STAGE 0
Complete CTP/MTP (including Project Sheets) (0TP1)

Complete Express Design Traffic Volume (1TP1)
Complete Express Design Traffic Analysis (1TM1)
Structures Screening (1ST1)
Provide Best Available Geospatial Data (1PH1)
Initiate Roadway Coordination (1RD1)
Initiate Complete Streets Review (1IM1)
Identify Railroad Impacts (1RR1)
Assess Safety Planning (1TS1)
Develop Initial Utility Relocation & Construction Estimates (1UT1)
Prepare Conceptual ROW Cost Estimate (1RW1)
Prepare Conceptual Construction Cost Estimate (1CS1)
Develop STIP (1SI1)
Complete Project Prioritization (1SP1)
Complete Express Design (1FS1)
Investigate Existing ITS & Signal Communications (1SG1)
Establish Environmental Needs (1EN1)
Determine Affected Coordinated Corridors *(if not a Sig. Project)* (1SS1)
Review Project Scoping (1CG1)
Provide Photogrammetric Control & Initiate Surveys (1LS1)
Compile Aerial Photography & Mapping (1PH2)
Review Complete Street Elements (1IM2)
Initiate NEPA/SEPA Coordination (1EP1)
Geotechnical, Geopavement & GeoEnvironmental Planning (1GT1)
Initiate Public Engagement Tasks (1PI1)
Scope Traffic System Operations (1TO1)
Initiate Value Management Activities (1VM1)
Investigate Existing Utilities (1UT2)
Complete Project Scoping Report (1FS2)
Complete Traffic Forecast (1TP2)
Lead Team Through Project Initiation Handoff (1PM1)

STAGE 2
ENVIRONMENTAL AND ROW PLANS

Lead Team Through Environmental & ROW Plans (2PM1)
Complete Final Surveys (2LS1)
Initiate Natural Resources Analysis (2EN1)
Initiate Human Environment Analysis (2EN2)
Initiate Utility Coordination and/or Design (2UT1)
Complete Safety Analysis & Operational Review (2TS1)
Complete Traffic Analysis (2TM1)
Alternative Development (Opt.) (2RD1)
Initiate Signing & Delineation Design (2SD1)
Coordinate Railroad Review (2RR1)
Develop Preliminary Hydraulic Recommendations (2HY1)
Verify Complete Streets (2IM1)
Complete Value Management Activities (2VM1)
Scope Structures Design (2ST1)
Public Engagement (2PI1)
Assist with Public Engagement (2CG1)
GeoEnvironmental Phase I (2GT1)
Roadway Geotechnical & Geopavement Investigations (2GT2)
Prepare Utility Relocation & Construction Estimates (2UT2)
Prepare ROW Cost Estimate (2RW2)
Prepare Initial Design Estimates (2CS1)
Complete the Design Recommendation Plan Set (2RD2)
Advance NEPA/SEPA Documentation (2EP1)
Coordinate Railroad Review (2RR2)
Complete Drainage Design (2HY2)
Complete Quality SUE Level A (2LS2)
Begin Advance Acquisition ROW Tasks (2RW1)
Develop Preliminary General Drawings (2ST2)
Initiate Erosion and Sediment Control Plans (2RE1)
Advance Signing and Delineation Design (2SD2)
Initiate Transportation Management Plan (2TM2)
Develop Design Noise Report or Addendum (2EN3)
Establish Signal & ITS Locations (2SG1)
Complete Pavement Design (2PD1)
Initiate Transportation Operations Plan *(if Sig. Project)* (2TO1)
Geotechnical Structure Investigations (2GT3)
Advanced Utility Coordination and/or Design (2UT3)
Initiate Signal System Timing *(if not a Sig. Project)* (2SS1)
ROW, Utility and Permitting Strategy (2PM2)
Prepare for Combined or ROW Field Inspection (2RD3)
Prepare Utility Relocation & Construction Estimates (2UT4)
Prepare ROW Cost Estimate (2RW3)
Prepare Field Construction Estimate (2CS2)
Coordinate Combined or ROW Field Inspection (2PM3)
ROW Plans Completed (2RD4)

STAGE 3
FINAL PLANS

Lead Team Through Final Plans (3PM1)
Complete Additional Surveys & Initiate ROW Acquisition Surveys (3LS1)
Update Existing Mapping or Extend Mapping (3PH1)
Finalize ROW Authorization Package (3RW1)
Complete ROW Acquisitions & Relocations (3RW2)
Finalize Railroad Design & Agreements (3RR1)
Complete Railroad Coordination (3RR2)
Complete Utility Coordination and/or Design (3UT1)
Initiate Utility Relocations by Others (3UT2)
Verify and Revise Pavement Design (3PD1)
GeoEnvironmental Phase II (3GT1)
Verify Geotechnical Deliverables (3GT2)
Complete Erosion & Sediment Control Plans (3RE1)
Revisit NEPA/SEPA Documentation (3EP1)
Complete Hydraulic Permitting Tasks and Finalize Plans (3HY1)
Complete Streets Project Design Review (3IM1)
Apply for Permits (3EN1)
Complete Transportation Management Plan (3TM1)
Complete Signal & ITS Design (3SG1)
Complete Signing & Delineation Design (3SD1)
Complete Safety Analysis & Operational Review (3TS1)
Complete Structures Design (3ST1)
Advance Transportation Operations Plan *(if Sig.Project)* (3TO1)
Initiate Signal System Timing *(if not a Sig.Project)* (3SS1)
Incorporate Value Management Activities (3VM1)
Complete Roadway Design (3RD1)
Prepare Final Utility Relocation and Construction Estimates (3UT3)
Prepare Construction Estimate (3CS1)
Review Design Estimates (3CS2)
15 Month Let Review (3PM2)
Design Complete Review (3PM3)

STAGE 4
PLANS, SPECS, & ESTIMATES (PS&E)

Lead Team Through PS&E (4PM1)
Complete NEPA/SEPA Documentation (4EP1)
Secure Permits (4EN1)
Finalize Utility Coordination and/or Utility Design PS&E (4UT1)
Complete Utility Relocations by Others (4UT2)
Finalize Structures Design PS&E (4ST1)
Manage GeoEnvironmental Impacts (4GT1)
Complete ROW Acquisition Surveys (4LS1)
Hydraulic Let Preparation (4HY1)
Finalize Erosion & Sediment Control Contract Package (4RE1)
Complete Street Review Update(4IM1)
Complete Value Management Activities (4VM1)
Prepare Construction Communications Activities (4CG1)
Complete Transportation Operations Plan-Related Tasks (4TO1)
Signal Timing Implementation *(if not a Sig.Project)* (4SS1)
PS&E Review (4PM2)
Finalize the PS&E Package (4RD1)
Complete PS&E Package and Advertise the Project (4CS1)
Let, Award, and Execute (4CS2)
Stage 5*
*See respective Stage 5 activities throughout the PDN.

UNIT LEGEND

SHOW ALL
Communication Group (CG)
Environmental Analysis (EN)
Feasibility Studies (FS)
Hydraulics (HY)
Location & Surveys (LS)
Public Involvement (PI)
Project Manager (PM)
Railroad (RR)
Right-of-Way (RW)
Transportation Signals & ITS Design (SG)
Strategic Prioritization Office (SP)
Structures Design (ST)
Traffic Systems Operations (TO)
Traffic Safety (TS)
Value Management (VM)
Contract Standards & Development (CS)
Environmental Policy (EP)
Geotechnical (GT)
Integrated Mobility (IM)
Pavement Design (PD)
Photogrammetry (PH)
Roadway (RD)
Roadside Environmental (RE)
Signing & Delineation (SD)
State Transportation Improvement Program (SI)
Signal System Timing Operations (SS)
Traffic Management (TM)
Transportation Planning (TP)
Utility Coordination & Design (UT)
Key Milestone