Detailed Design Phase

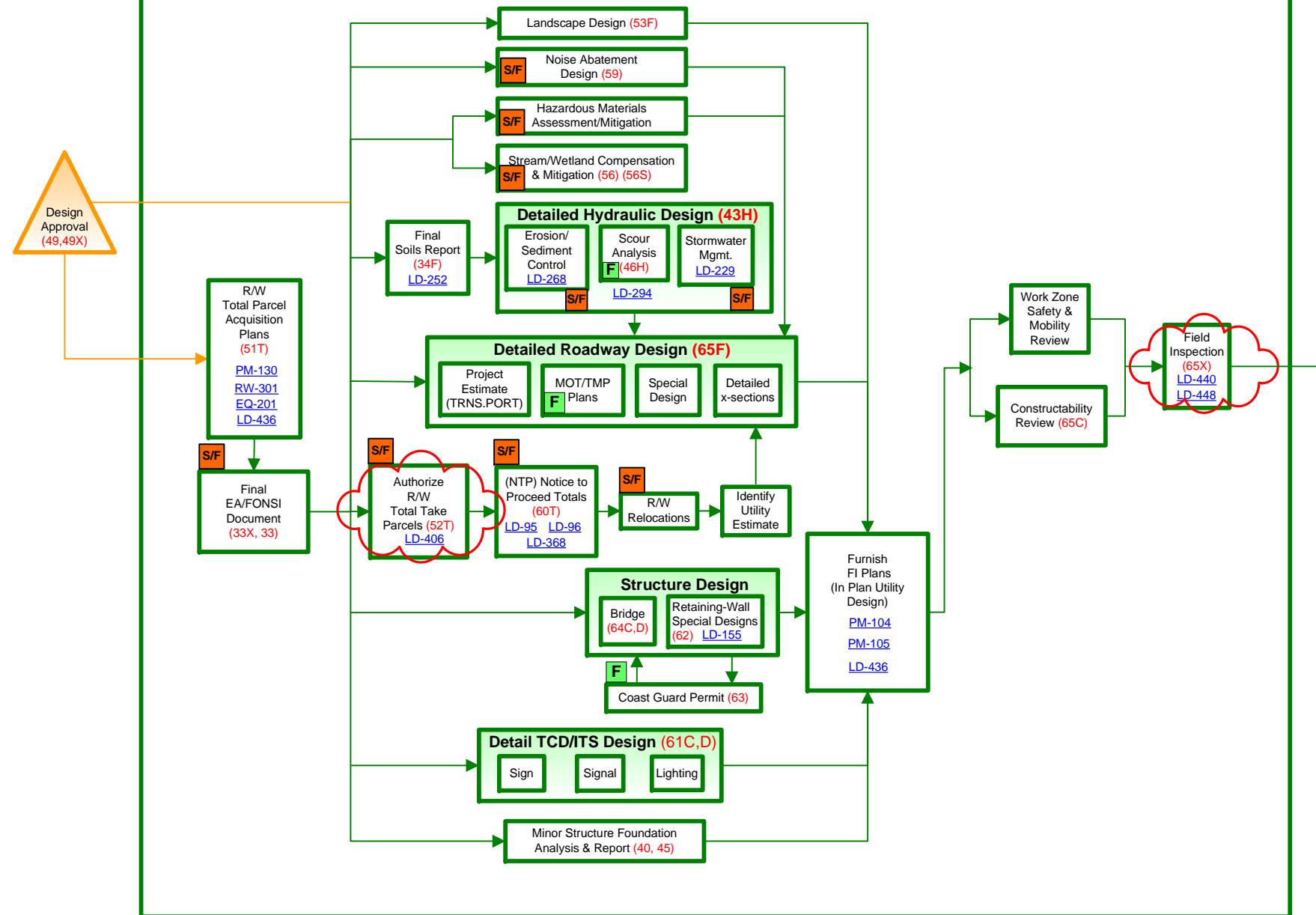**Code Requirements**

For Applicable State and Federal Code regulations please click on box indicated with S, F or S/F

Design Approval (49,49X)

Landscape Design (53F)

S/F Noise Abatement Design (59)

S/F Hazardous Materials Assessment/Mitigation

S/F Stream/Wetland Compensation & Mitigation (56) (56S)

Final Soils Report (34F) LD-252

Detailed Hydraulic Design (43H)
- Erosion/Sediment Control LD-268 **S/F**
- Scour Analysis **F** (46H) LD-294
- Stormwater Mgmt. LD-229 **S/F**

R/W Total Parcel Acquisition Plans (51T) PM-130 RW-301 EQ-201 LD-436

Detailed Roadway Design (65F)
- Project Estimate (TRNS.PORT)
- MOT/TMP Plans **F**
- Special Design
- Detailed x-sections

S/F Final EA/FONSI Document (33X, 33)

S/F Authorize R/W Total Take Parcels (52T) LD-406

S/F (NTP) Notice to Proceed Totals (60T) LD-95 LD-96 LD-368

S/F R/W Relocations

Identify Utility Estimate

Furnish FI Plans (In Plan Utility Design) PM-104 PM-105 LD-436

Structure Design
- Bridge (64C,D)
- Retaining-Wall Special Designs (62) LD-155

F Coast Guard Permit (63)

Detail TCD/ITS Design (61C,D)
- Sign
- Signal
- Lighting

Minor Structure Foundation Analysis & Report (40, 45)

Work Zone Safety & Mobility Review

Constructability Review (65C)

Field Inspection (65X) LD-440 LD-448

LEGEND

S	State Required
F	Federal Required
S/F	Federal / State Required

ACRONYMS

EA	-	Environmental Assessment
FI	-	Field Inspection
FONSI	-	Finding of No Significant Impact
ITS	-	Intelligent Transportation Systems
MOT	-	Maintenance of Traffic
NTP	-	Notice to Proceed
PFI	-	Preliminary Field Inspection
R/W	-	Right of Way
TCD	-	Traffic Control Device
TMP	-	Traffic Management Plans

AW.Frazier