Roadway Project
Process Overview
Evolution of a Roadway Project

1. Scoping
2. Land Acquisition
3. Construction
4. Procure Engineering Services
5. Utility Relocation
6. VDOT Acceptance
7. Engineering Design
8. Procure Construction Bids

VDOT Acceptance
Procure Engineering Services

• Must be done in accordance with the Virginia Public Procurement Act requirements set forth in §2.2-4300 of the Code of Virginia

• Request for Proposal must be developed and advertised for design contacts >$2.5M

• Procurement manages and facilitates the proposal evaluation process

• Proposal Analysis Group reviews proposals, determines shortlist firms; negotiations begins with top ranked firm
Engineering Design

- Land and Utility Surveys
- Base Mapping
- Geotechnical Investigations
- Traffic Data Collection
- Environmental Services and Wetlands Permitting
- Engineering Design
- Landscape Architecture
- Traffic Signal and Roundabout Design
- Signage and Striping Plans
- Maintenance of Traffic Plans
- Virginia Pollutant Discharge Elimination System (VPDES) and Stormwater Compliance
- Preparation of Right-of-Way and Easement Plats
- Preparation of Construction Plans
- Coordination of Utility Relocation
- Preparation of Bidding Documents
- Develop and Refine Construction Cost Estimates Throughout the Design Process
- Support during Construction
- Facilitate Public Meetings
Land Acquisition

• Title Reports
• Appraisals
• Bona fide offers
• Negotiations
• Deeds and Plats
• Eminent Domain if needed
Utility Relocation

• Water/Sewer
• Electric
• Telecom
• Gas

➢ Dependent on Completion of Right-of-Way Acquisition
➢ Duration depends to extent of relocations and utility companies’ schedules
**Procure Construction**

- Construction of public facilities valued over $100,000 must be procured by competitive sealed bidding.
- Typical road project is design-bid-build; all required permits must be obtained and all easements and right-of-way must be secured before procurement of construction contract.
- Invitation for Bid.
- Lowest and most responsible bid will be selected.
Construction

• Contract award must be approved by the Board of Supervisors
• Kick-off meeting held with contractor to review pre-construction and contract requirements
• Pre-construction submittals required within 30 days of contract execution, includes construction schedule, schedule of values, management plans for quality and safety
• Pre-construction conference is held and Notice to Proceed is issued
Project Close Out and VDOT Acceptance

• Project is inspected, punch lists are prepared, work is performed to resolve issues
• Contractual legal and financial matters are reviewed; construction claims are negotiated
• As-builts are prepared and other documentation gathered
• Street acceptance process follows County and VDOT requirements
Example Project: Belmont Ridge Road Widening, Truro Parish Drive to Croson Lane

- Design RFP prepared and reviewed: January 2014 to March 2014
- RFP issued: March 10, 2014
- Board of Supervisors Approved Design Contract: September 17, 2014
- Notice to Proceed: October 28, 2014
- 30% Design Submitted: March 4, 2015
- Public Information Meeting Held: June 23, 2015
- 60% Plan Submitted: June 29, 2015
- Board Endorsed Design: September 16, 2015
- Utility Field Inspection: November 20, 2015
- 90% Plan Submitted: April 6, 2016
- Right-of-Way Plats Submitted: June 7, 2016
- 100% Plan Submitted: November 28, 2016
- Plan Approval Issued: July 6, 2017
- Right-of-Way Acquisition Begins: September 2017
- Current Status: Finalizing utility design, negotiating with property owners and purchasing wetlands credits
CIP Funding

- Congestion Report Improvements: **$79.8M includes $54M award from NVTA**

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