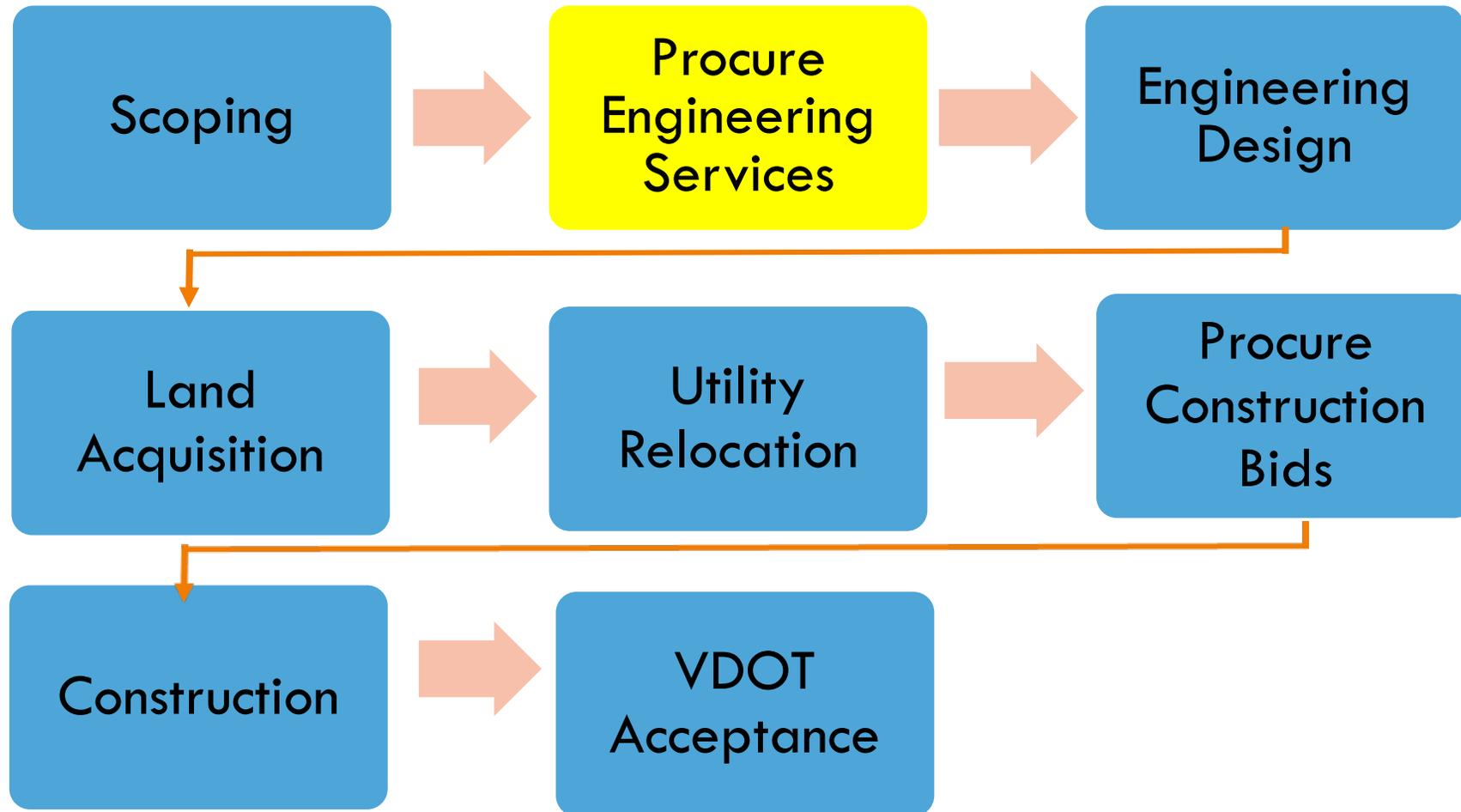


Roadway Project Process Overview



Evolution of a Roadway Project



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 NVT

	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	TOTAL
Design, Engineering, Environmental	\$4,429,882						\$4,429,882
Right of Way			\$6,000,000				\$6,000,000
Construction				\$11,592,000	\$57,841,000		\$69,433,000
TOTAL	\$4,429,882	\$0	\$6,000,000	\$11,592,000	\$57,841,000	\$0	\$79,862,882

