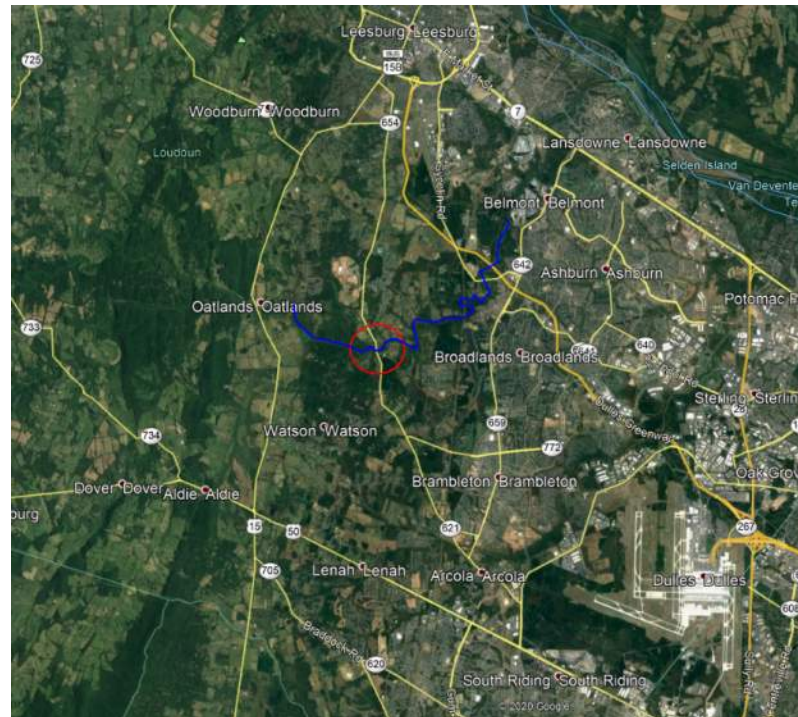


# Evergreen Mills Road Improvements at Watson Road and Reservoir Road

November 11<sup>th</sup>, 2020



Unlimited Potential,  
Different by Design

# Project Background

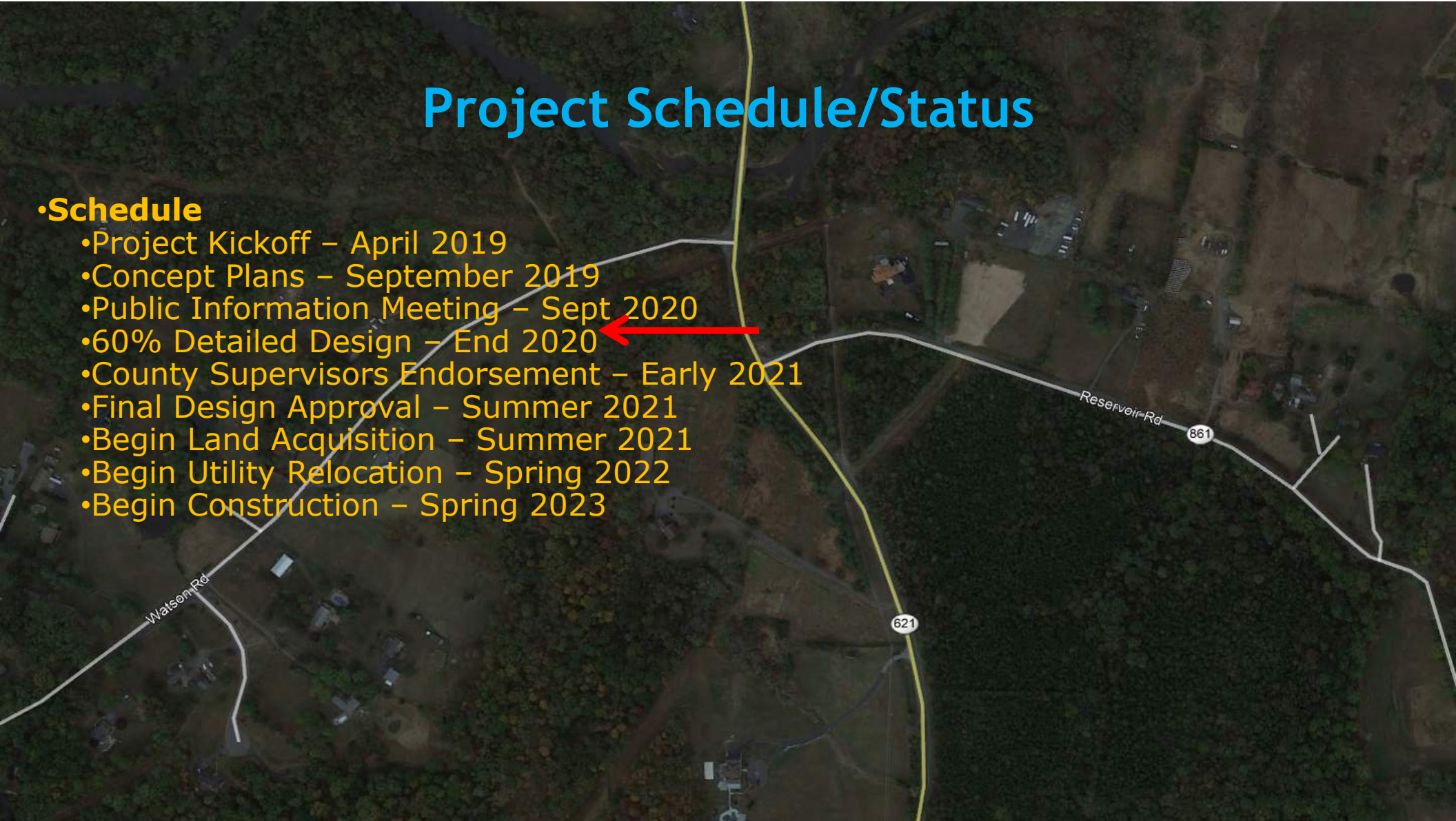
- Major Safety concern in Loudoun County
- Interim improvement to fix safety
- Design to account for ultimate widening
- Proximity to major floodplain, bridge over Goose Creek & Black Branch



# Project Schedule/Status

## •Schedule

- Project Kickoff – April 2019
- Concept Plans – September 2019
- Public Information Meeting – Sept 2020
- 60% Detailed Design – End 2020
- County Supervisors Endorsement – Early 2021
- Final Design Approval – Summer 2021
- Begin Land Acquisition – Summer 2021
- Begin Utility Relocation – Spring 2022
- Begin Construction – Spring 2023



# Purpose and Objectives

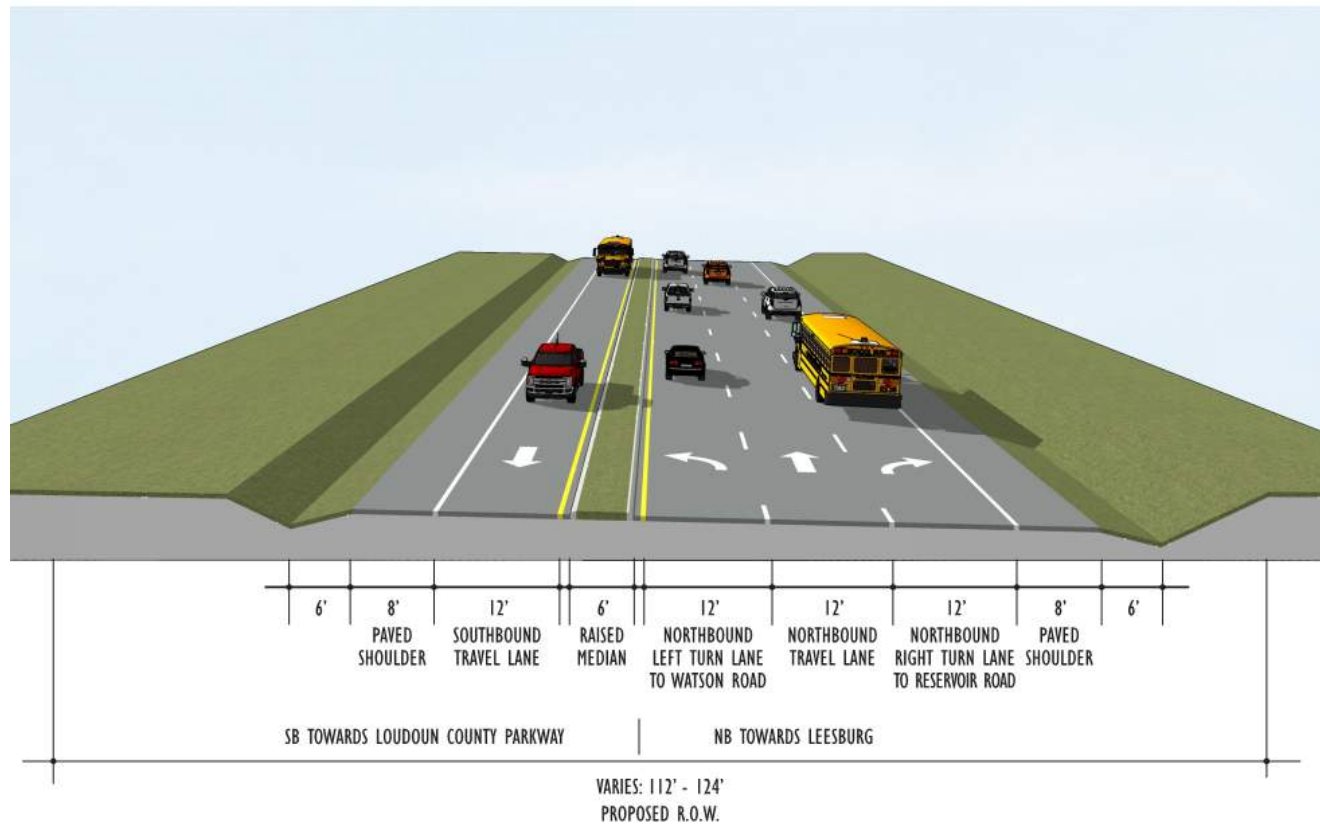
- Improve Safety
- Improve Existing Deficient conditions:
  - Sight Distance
  - New Turn Lanes
  - New Shoulders
  - Drainage
- Operate at safer speeds



# Existing Conditions vs. Proposed Improvements

- **Evergreen Mills Road**
  - Posted speed: 55 mph
  - Lane width: 10.3' – 11.3'
  - Shoulder width: 0.5' – 2'
  - Traffic – 9,300 vpd (2019)
- **Watson Road**
  - Posted speed: 45 mph
  - Lane width: 10.0' – 10.8'
  - Shoulder width: 0.8' – 2.3'
  - Traffic – 2,900 vpd (2019)
- **Reservoir Road**
  - Posted speed: 25 mph
  - Lane width: 9.0' – 10.0'
  - Shoulder width: 0'
  - Traffic – 180 vpd (2019)
- **Added turn lanes at each approach**
  - Safe Storage for turning vehicles
- **Proposed signalized intersection**
- **Widened all lanes and shoulders**
  - 12' on Evergreen Mills and Watson
  - 11' on Reservoir Road
  - 8' (Evergreen) and 4' (Watson & Reservoir) paved shoulders
- **Design Speeds to match geometric conditions**
- **Grading out beyond interim footprint**
  - Provides for ultimate condition
  - Improves sight distance

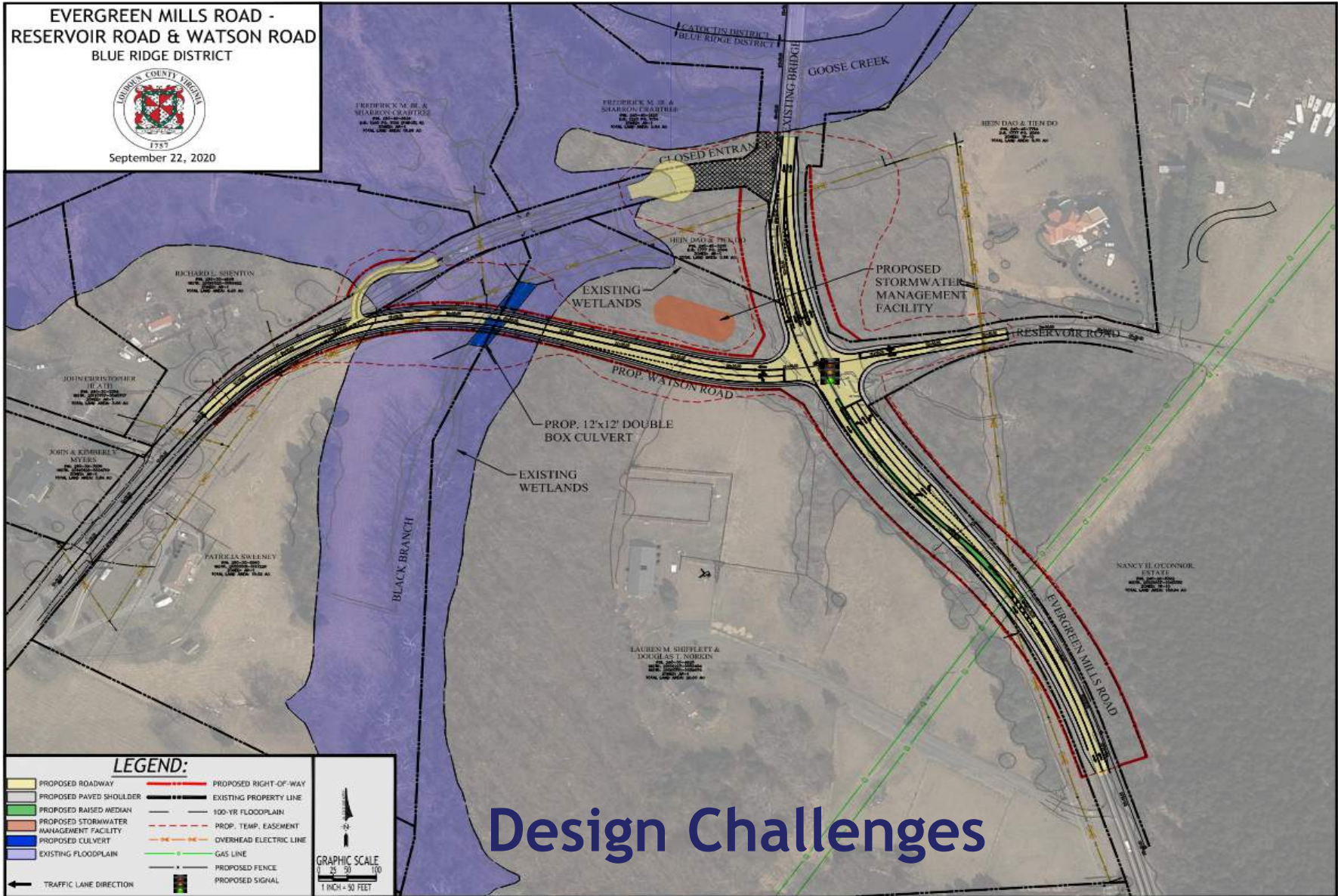
# Typical Section Comparison



EVERGREEN MILLS ROAD -  
RESERVOIR ROAD & WATSON ROAD  
BLUE RIDGE DISTRICT



September 22, 2020



**LEGEND:**

- |   |                        |
|---|------------------------|
| PROPOSED ROADWAY                        | PROPOSED RIGHT-OF-WAY  |
| PROPOSED PAVED SHOULDER                 | EXISTING PROPERTY LINE |
| PROPOSED RAISED MEDIAN                  | 100-YR FLOODPLAIN      |
| PROPOSED STORMWATER MANAGEMENT FACILITY | PROP. TEMP. EASEMENT   |
| PROPOSED CULVERT                        | OVERHEAD ELECTRIC LINE |
| EXISTING FLOODPLAIN                     | GAS LINE               |
| TRAFFIC LANE DIRECTION                  | PROPOSED FENCE         |
|   | PROPOSED SIGNAL        |



# Design Challenges

Thank You!

So...what do you think?

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Questions? Discussion?