

LAND STEWARDSHIP UPDATE

CTB Environmental Subcommittee

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Land Stewardship Vision

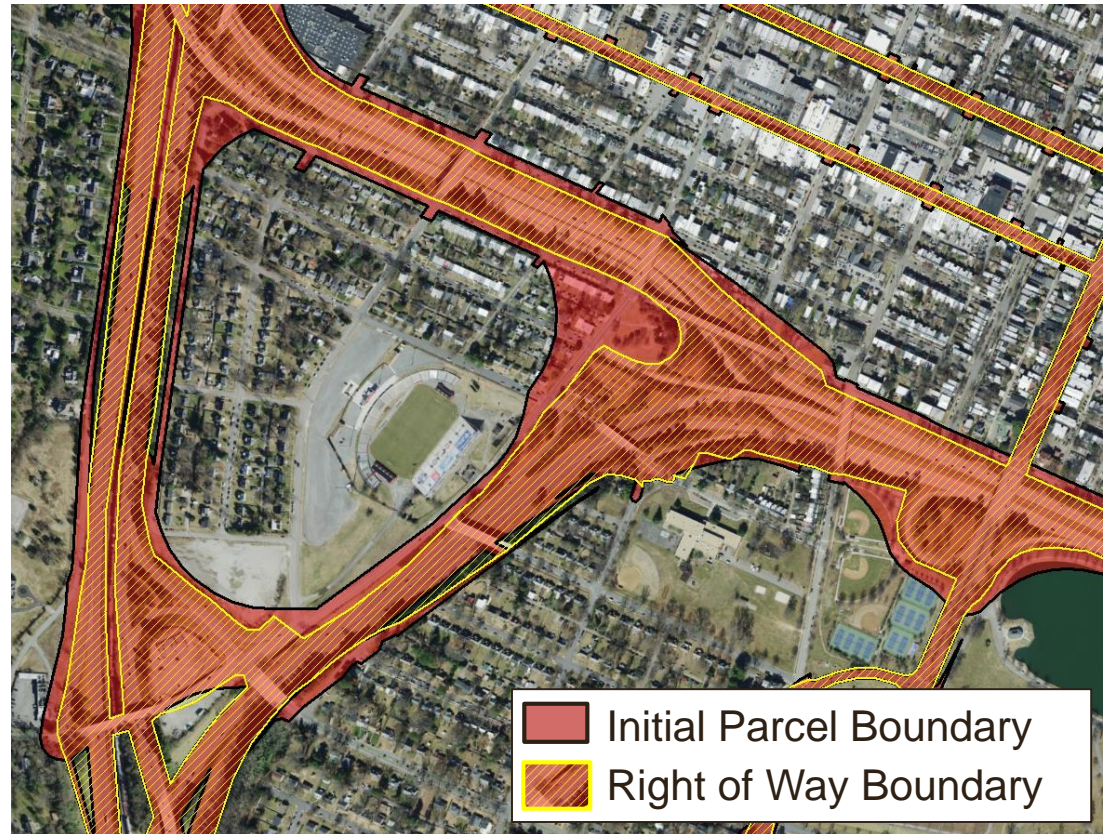
- Support decision making that maximizes the beneficial outcomes and outputs of our existing land assets
 - Inventory, map, and track beneficial land uses and opportunities
 - Assess/optimize land stewardship strategies
 - Support governance and decision-making processes

Land Stewardship VDOT Stakeholders

- Environmental
 - Office of Transportation Sustainability
- Land Use
- Right of Way
- Maintenance
- Location and Design
- Districts

Statewide Right of Way Mapping – In Final Review

- VDOT Location & Design Division
- Data sources
 - Linear Referencing System
 - Road Center Line
 - Municipal, County, and VGIN Statewide Parcels
- Quality assurance/quality control
 - Parcel boundaries
 - Google Street View
 - Aerial imagery
 - Staff review



Statewide Right of Way Mapping – In Final Review

- Currently in final QA/QC
- Next steps
 - Web application development to increase access and support continuous improvement
 - Incorporate additional data sets (e.g. land cover data, vegetation health)
 - Utilize to map beneficial land use

Beneficial Land Use

VDOT-maintained land with an assigned beneficial use, voluntary or mandatory, that supports one or more of VDOT's commitments or Commonwealth's goals.

- Total Maximum Daily Load (TMDL) projects
- Monarch and pollinator habitat conservation
- Wildlife crossing mitigation
- Solar photovoltaic arrays, high-voltage transmission, broadband

Beneficial Land Use

- Assessing/optimizing land stewardship strategies
- Need for inventory and mapping of all existing land uses
 - Communicate responsibilities and requirements for maintenance
 - Track and report benefits
 - Identify and evaluate potential future opportunities
 - Cost-benefit analysis
 - Integrate into existing processes
 - Planning, project development, delivery, operations, maintenance, and asset management

Travelers and Wildlife Movement

- Wildlife Corridor Action Plan
 - Protecting wildlife habitat corridors and reducing wildlife vehicle conflict
 - OTS supporting Virginia Department of Wildlife Resources drafting
 - VDOT focus: Identify areas of wildlife-vehicle conflict
- Aquatic Organism Passage
 - Replace, remove, or repair culverts or weirs to improve or restore fish passage
 - OTS working with Districts and other stakeholders to identify potential projects
 - VDOT working with resource agencies to identify priority areas
 - Potential resilience co-benefits