

Countywide Transit Corridors Functional Master Plan

Planning Board Worksession

Consultant's Presentation to
Montgomery County Planning Board
MRO Auditorium
January 19, 2012





Presentation Overview

- ◆ Components of corridor functions
 - Functions of roadway corridor
- ◆ Sample right-of-way impacts
 - BRT corridor segments
 - Specific intersections and midblocks





Components of Corridor Functions

Commuter/Express Corridors*

- ◆ High ridership directed toward CBD or transfer to regional transit service, typically located at terminus
- ◆ Typically implemented along freeways, highways, or arterials
- ◆ Low to moderate percentage of corridor meets BRT-supportive population or employment densities

*Stations along an express corridor are generally separated by several miles, as compared to a commuter corridor.





Components of Corridor Functions

Activity Center Connector Corridor

- ◆ High ridership distributed among multiple activity centers located throughout corridor and at termini
- ◆ Typically implemented along major highways, or major or minor arterials
- ◆ Moderate to high percentage of corridor meets BRT-supportive population or employment densities





Components of Corridor Functions

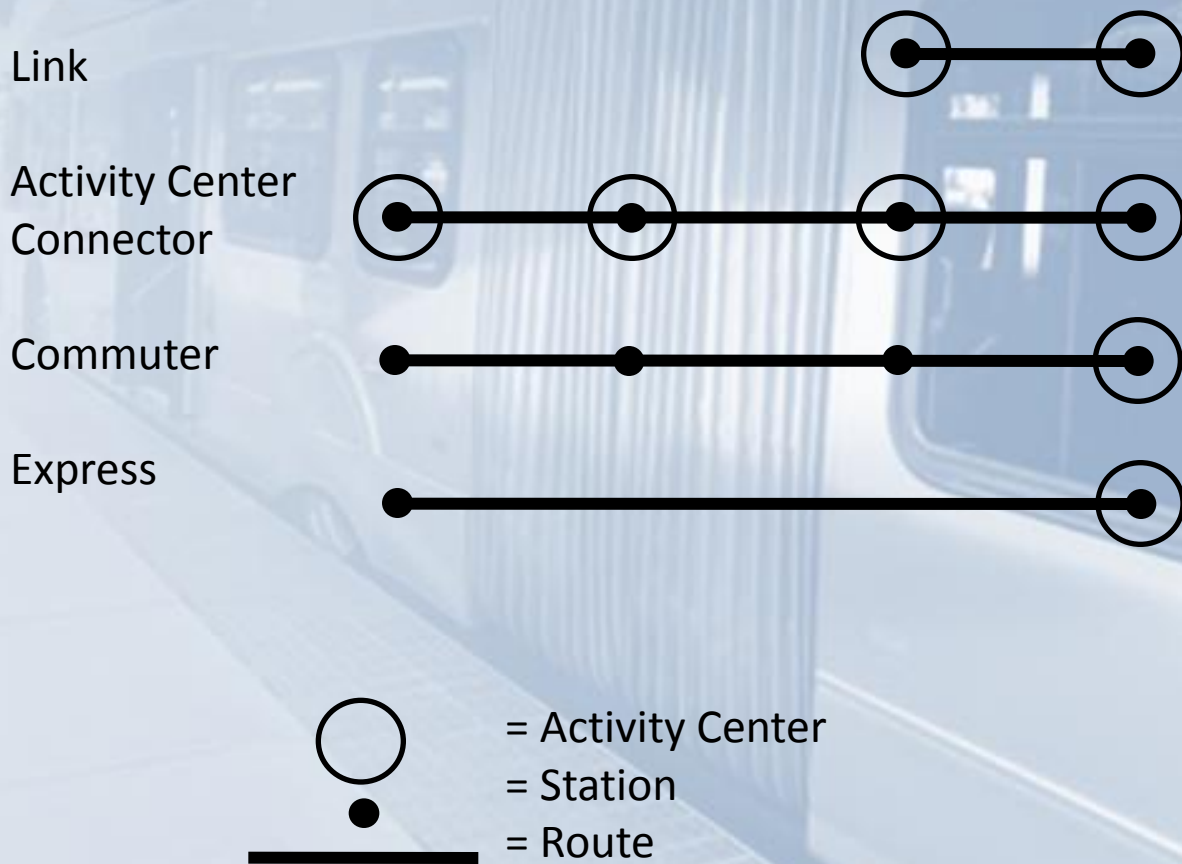
Link Corridor

- ◆ High ridership distributed between activity centers located at termini
- ◆ Typically implemented along major or minor arterials
- ◆ Moderate percentage of corridor meets BRT-supportive population or employment densities





Functions of a Roadway Corridor





Results of Corridor Assessment

Corridor	Typology	Corridor	Typology
Veirs Mill Road	Commuter	New Hampshire Avenue	Commuter
Georgia Avenue North	Commuter	Old Georgetown Road	Activity Center Connector
Georgia Avenue South	Commuter	Randolph Road	Commuter
Rockville to LSC	Link	University Boulevard	Activity Center Connector
Muddy Branch Road	Link	US 29	Commuter
Connecticut Avenue	Commuter	ICC	Express
MD 355 North	Activity Center Connector	North Bethesda Transitway	Link
MD 355 South	Activity Center Connector	Mid-County Highway	Commuter





Sample Right-of-Way Impacts

- ◆ Along corridor segments
- ◆ At intersections and within midblocks
- ◆ Old Georgetown Road and Georgia Avenue





Impacts along Corridor Segments

- ◆ Factors affecting corridor typical sections
 - BRT runningway type
 - Area type: urban vs. suburban
 - ◆ Preferred vs. constrained
 - ◆ Dimensions of elements
 - Functional classification of cross street

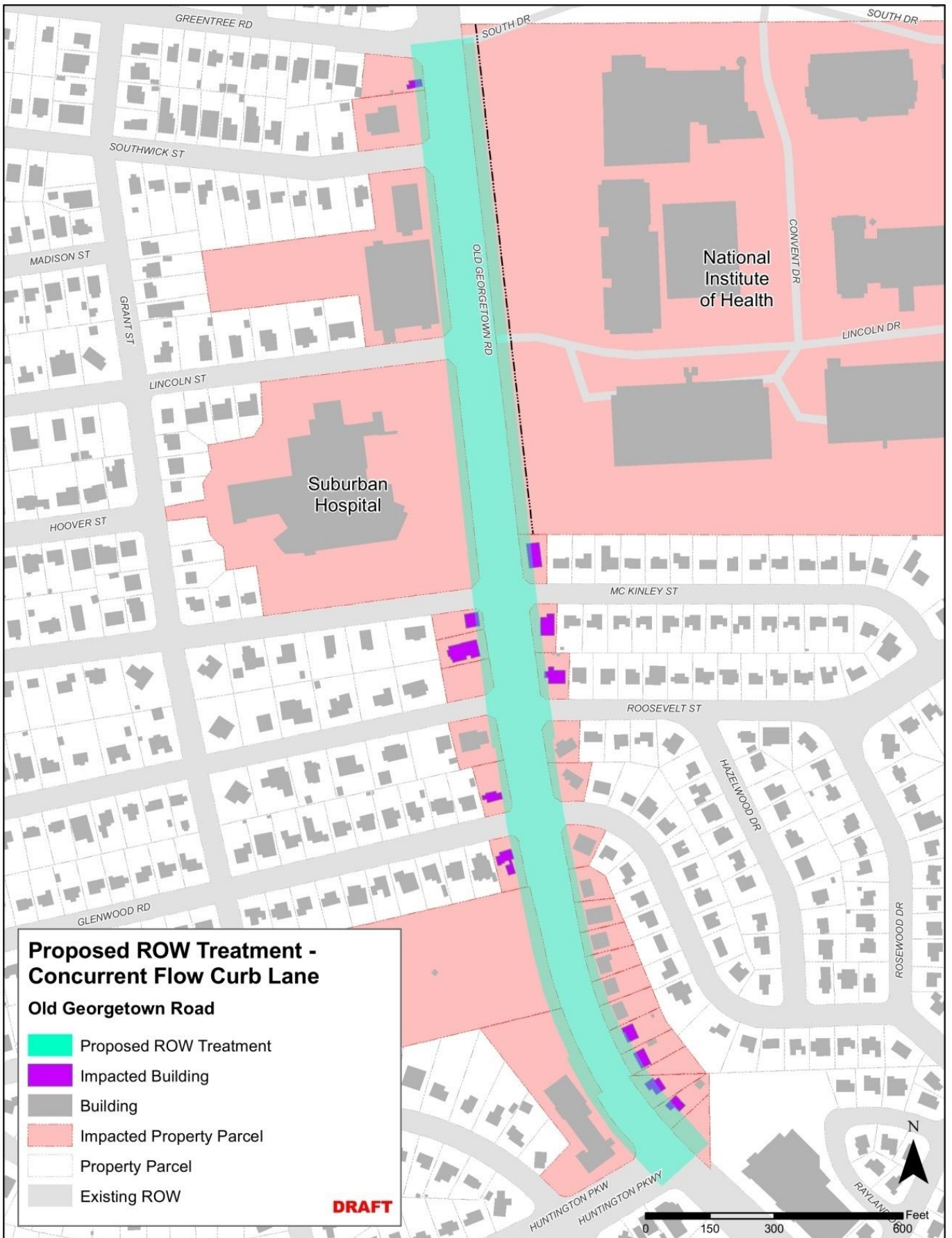
Functional Classification	Key Element Assumptions
Major arterial	Two exclusive left-turn lanes; one exclusive right-turn lane
Minor arterial	Two exclusive left-turn lanes; no exclusive right-turn lanes, OR One exclusive left-turn lane; one exclusive right-turn lane
Collector/local	One exclusive left-turn lane; no exclusive right-turn lanes

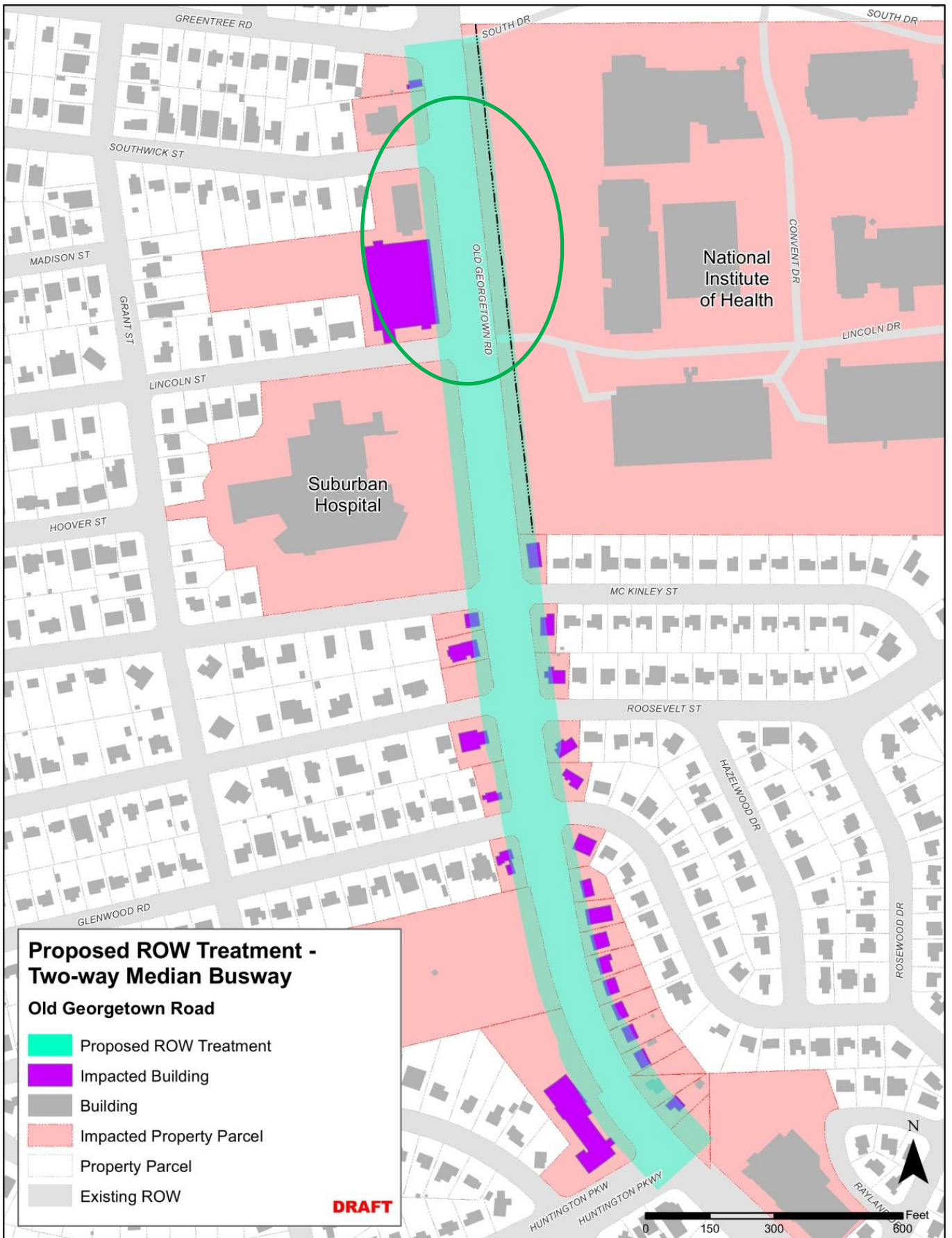




Old Georgetown Road – Greentree Road to Huntington Parkway







Proposed ROW Treatment - Two-way Median Busway

Georgia Avenue

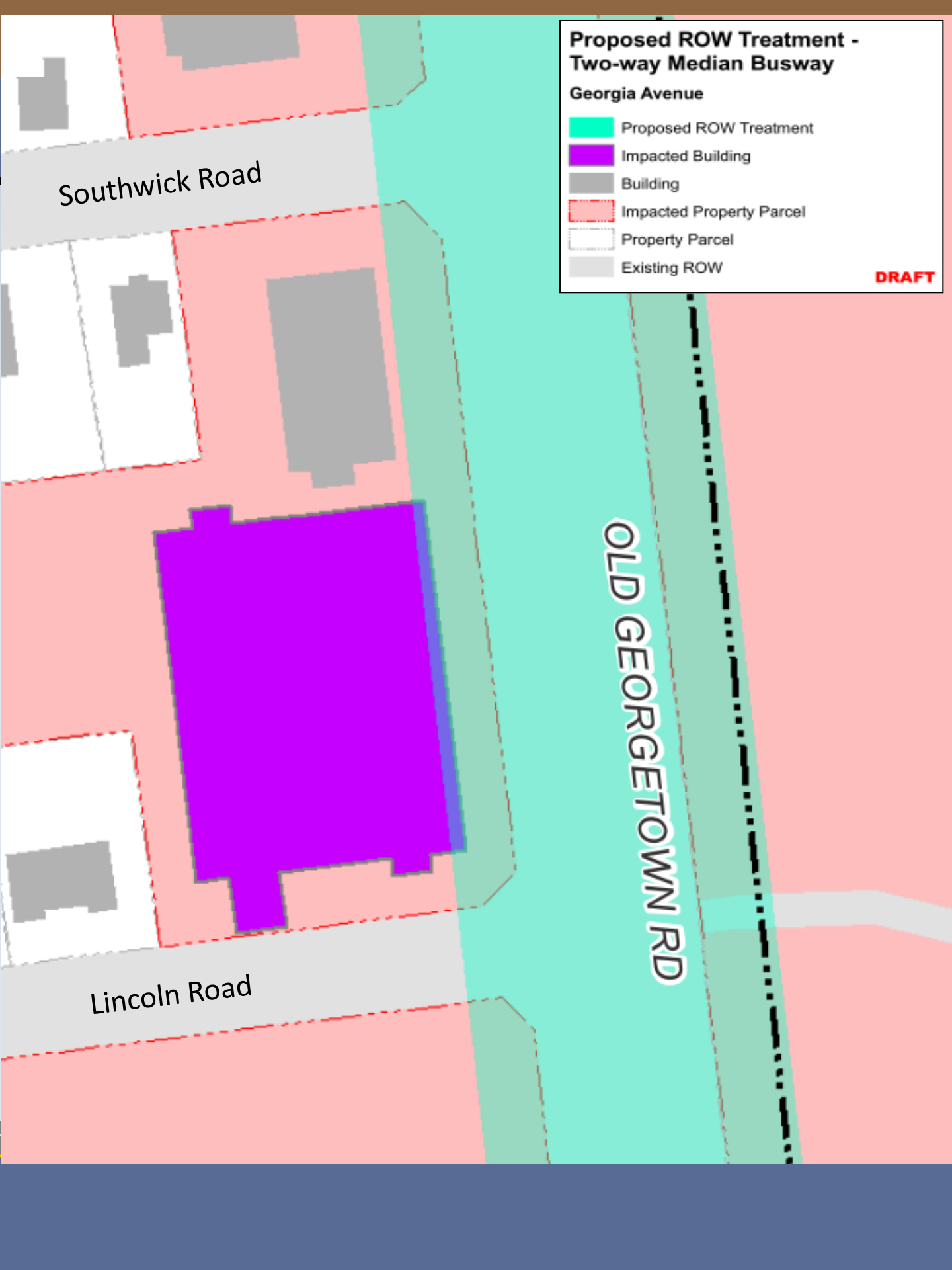
- Proposed ROW Treatment
- Impacted Building
- Building
- Impacted Property Parcel
- Property Parcel
- Existing ROW

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Southwick Road

OLD GEORGETOWN RD

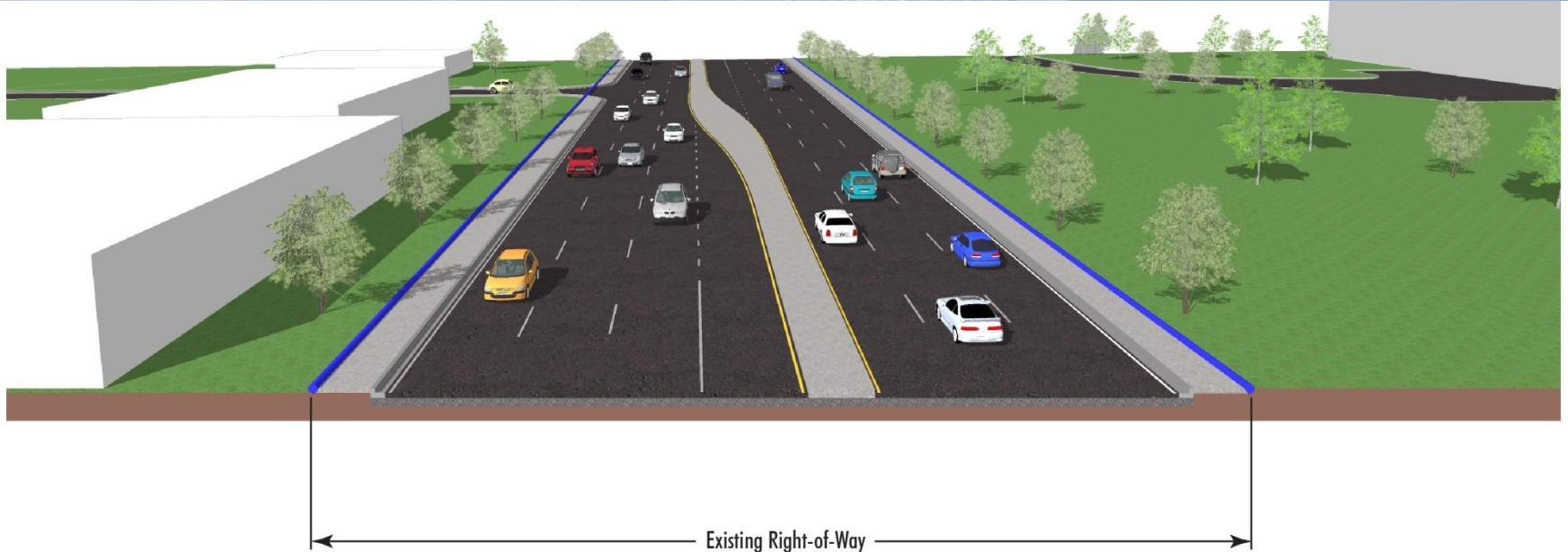
Lincoln Road





Midblock Impacts – Existing Cross Section

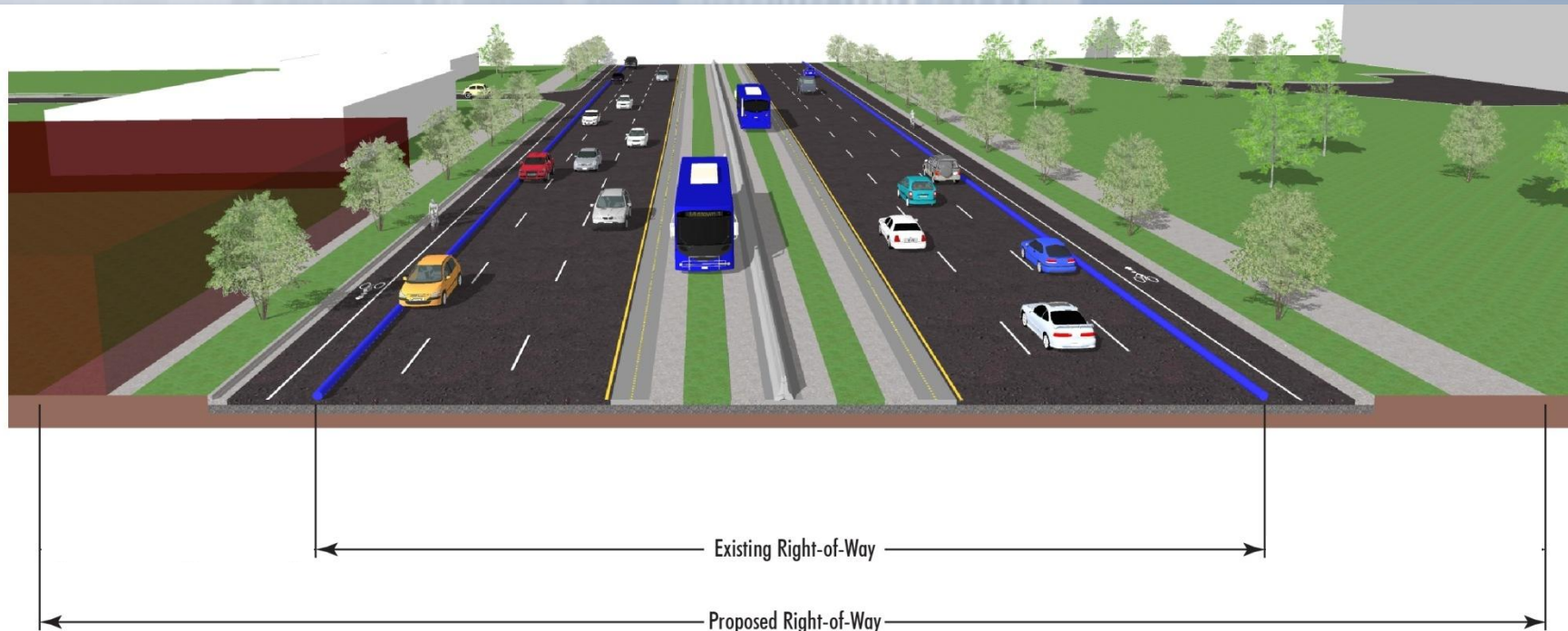
Old Georgetown Road – Southwick Street to Lincoln Street





Midblock Impacts – Preferred Cross Section

Old Georgetown Road – Southwick Street to Lincoln Street





Intersection Impacts – Existing Cross Section

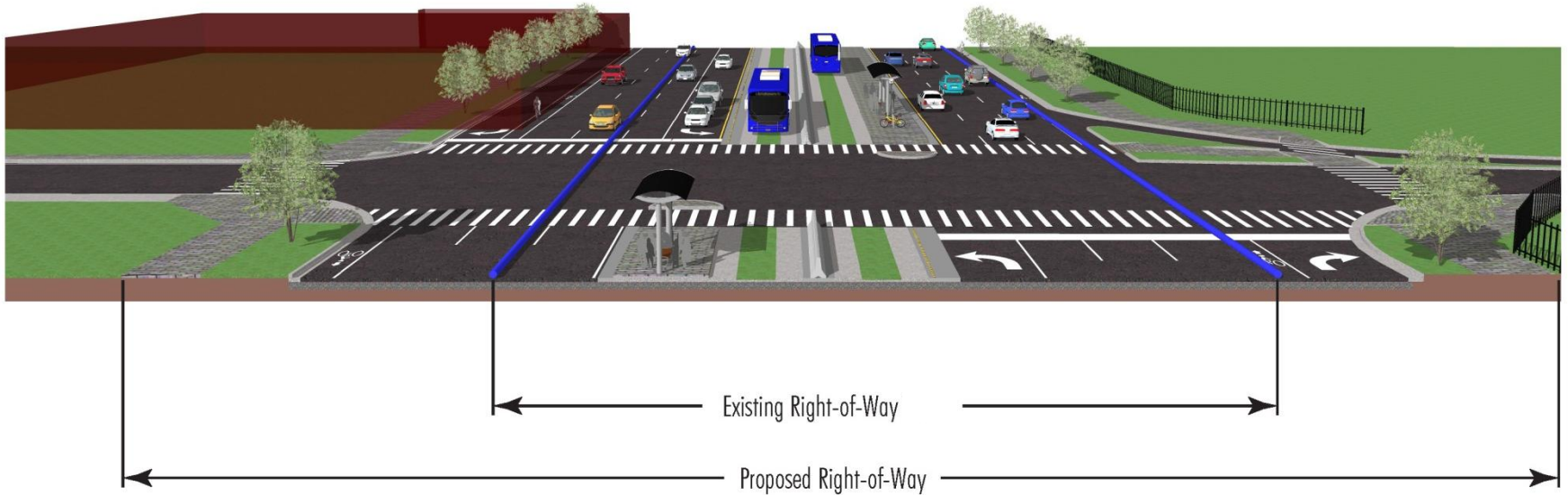
Old Georgetown Road and Lincoln Street





Intersection Impacts – Preferred Cross Section

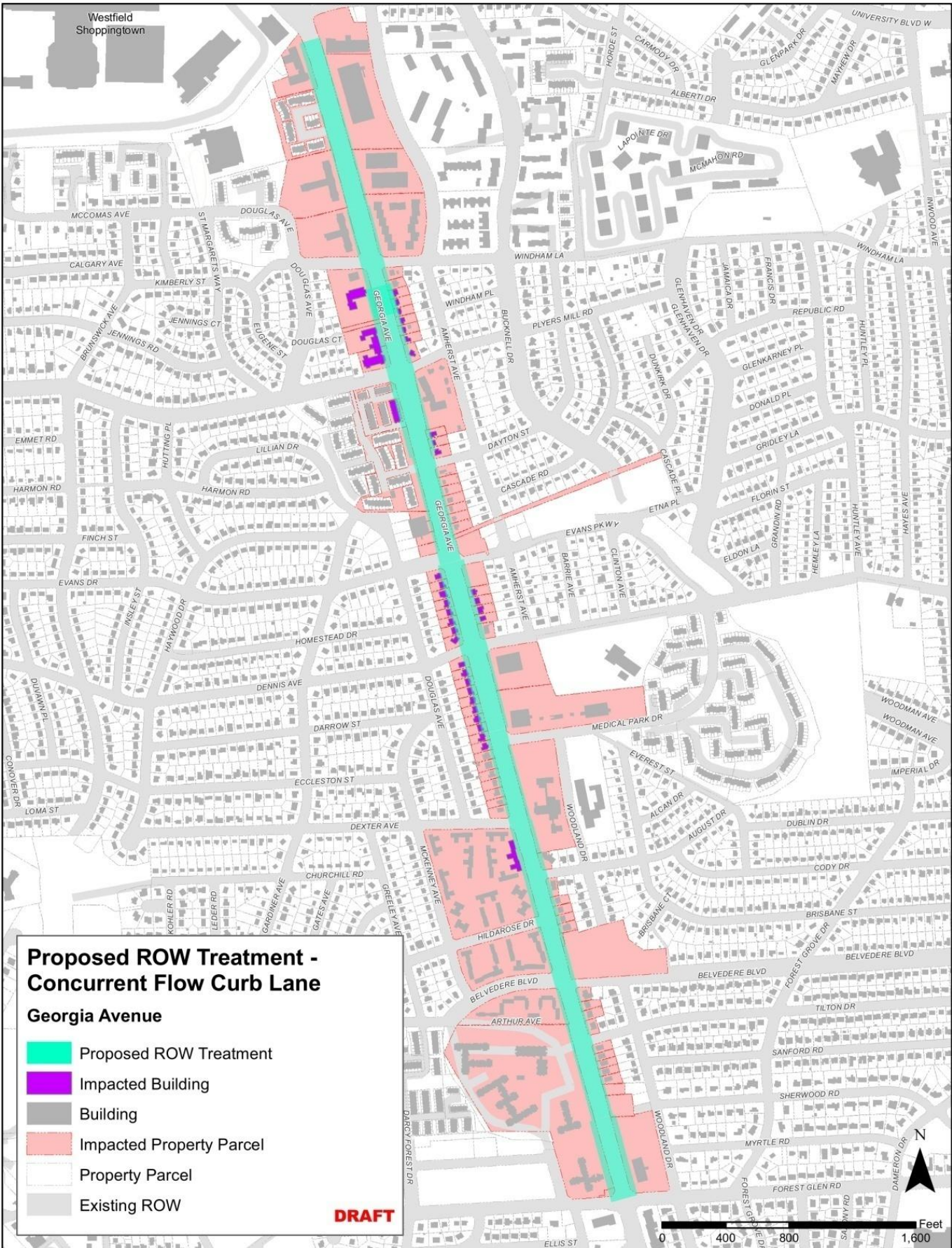
Old Georgetown Road and Lincoln Street





Georgia Avenue – Veirs Mill Road to Forest Glen Road

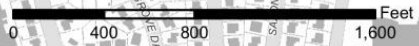


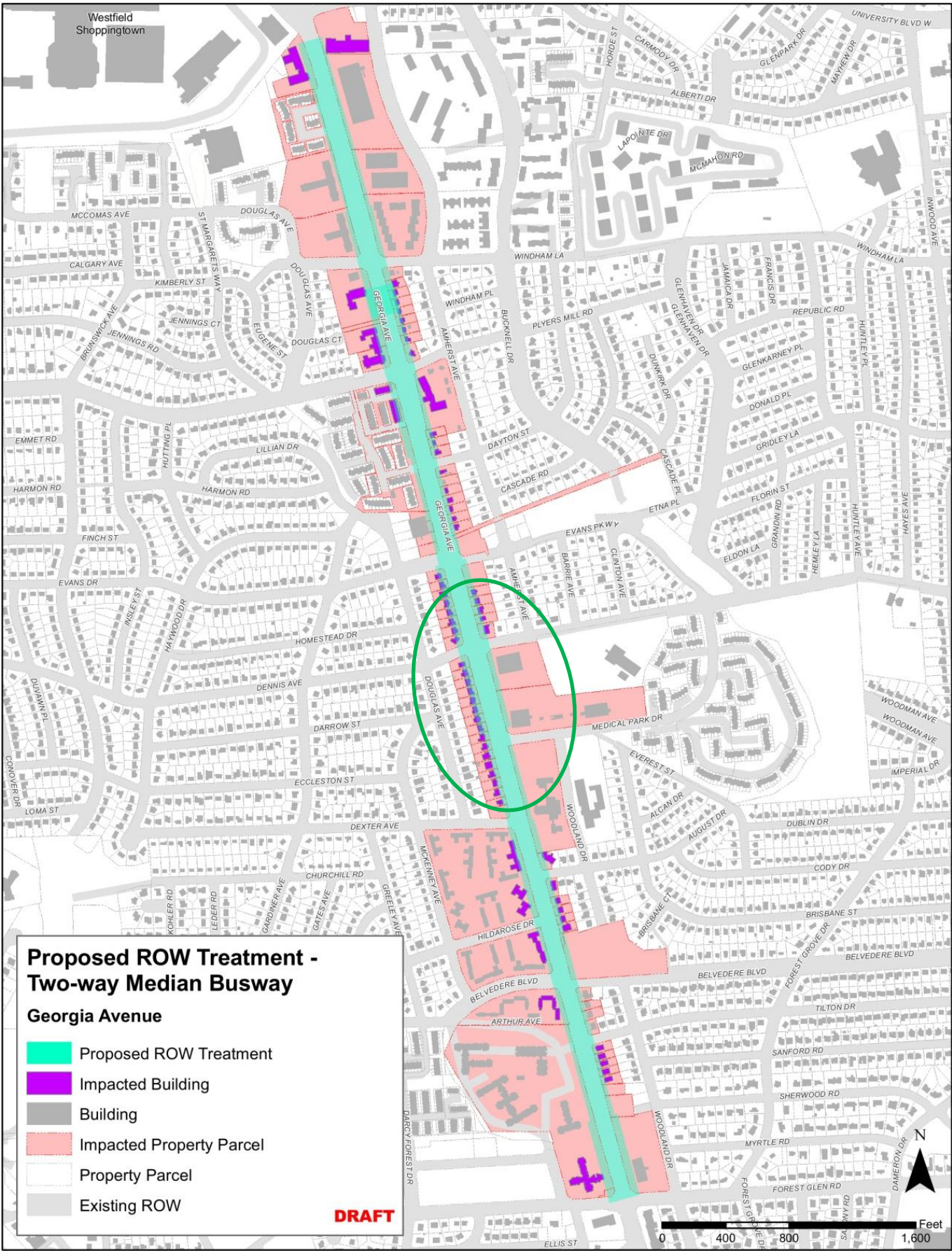


**Proposed ROW Treatment -
Concurrent Flow Curb Lane**
Georgia Avenue

- Proposed ROW Treatment
- Impacted Building
- Building
- Impacted Property Parcel
- Property Parcel
- Existing ROW

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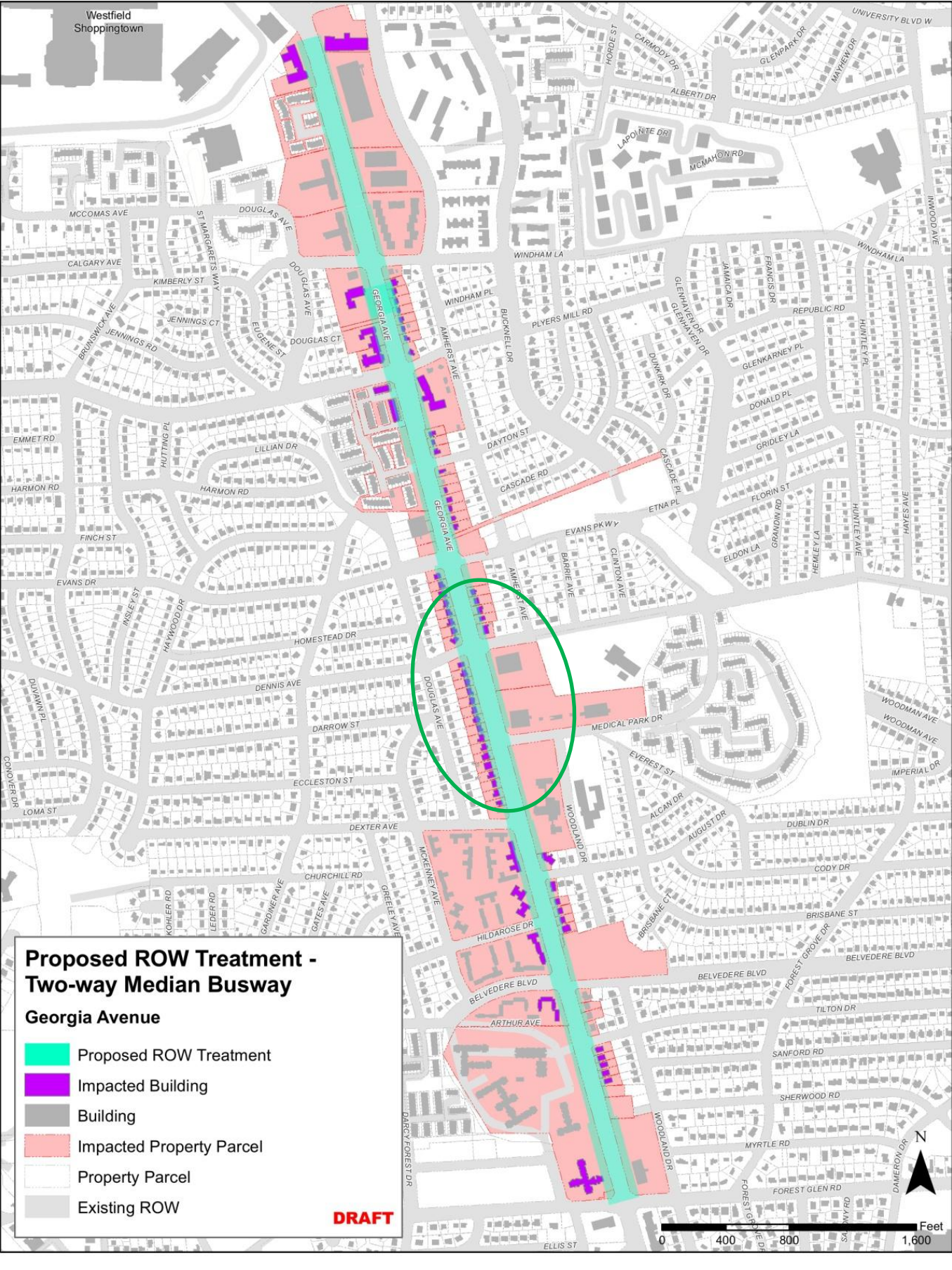
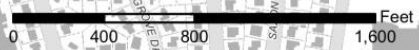


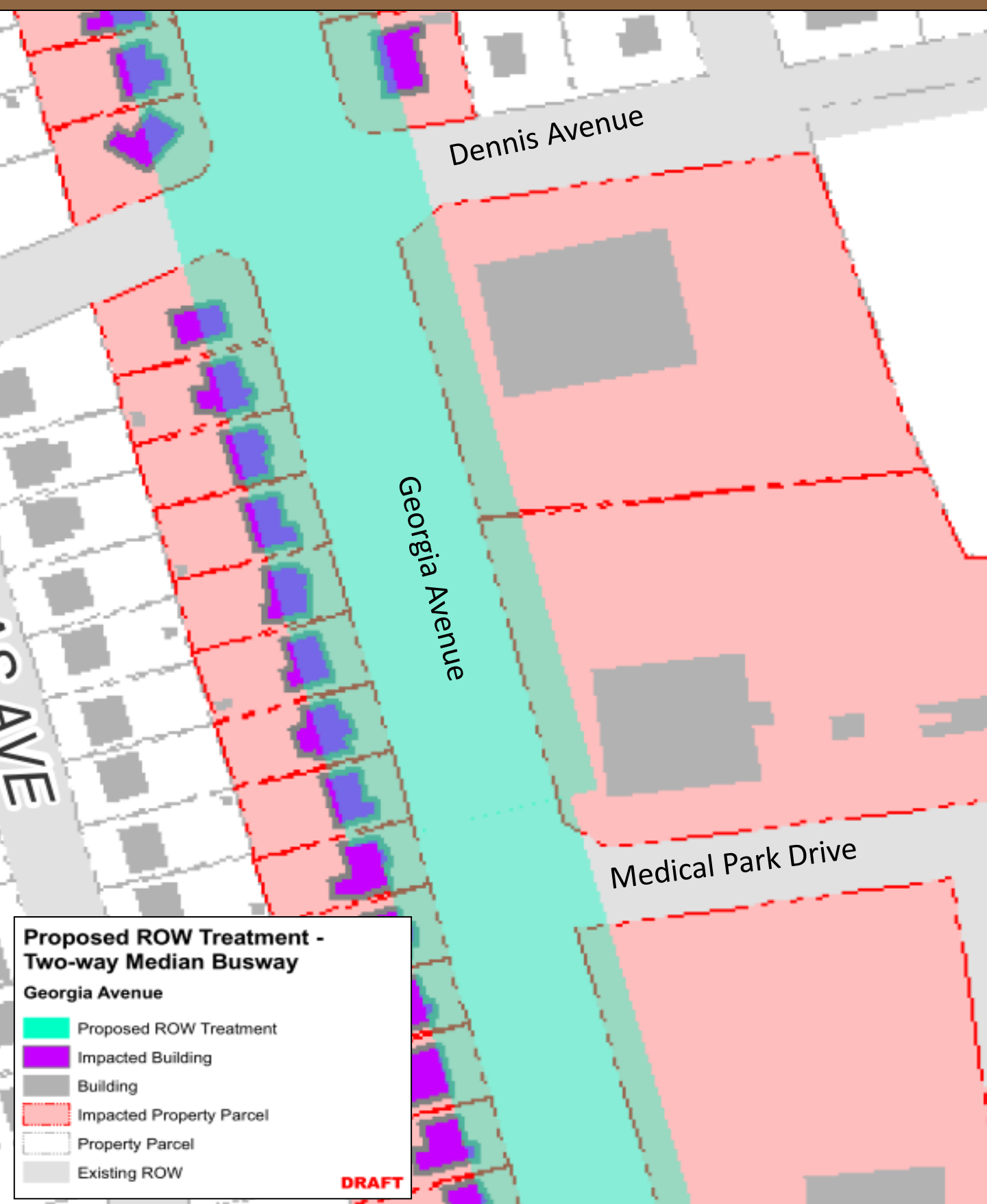
Westfield Shoppingtown

**Proposed ROW Treatment -
Two-way Median Busway
Georgia Avenue**

- Proposed ROW Treatment
- Impacted Building
- Building
- Impacted Property Parcel
- Property Parcel
- Existing ROW

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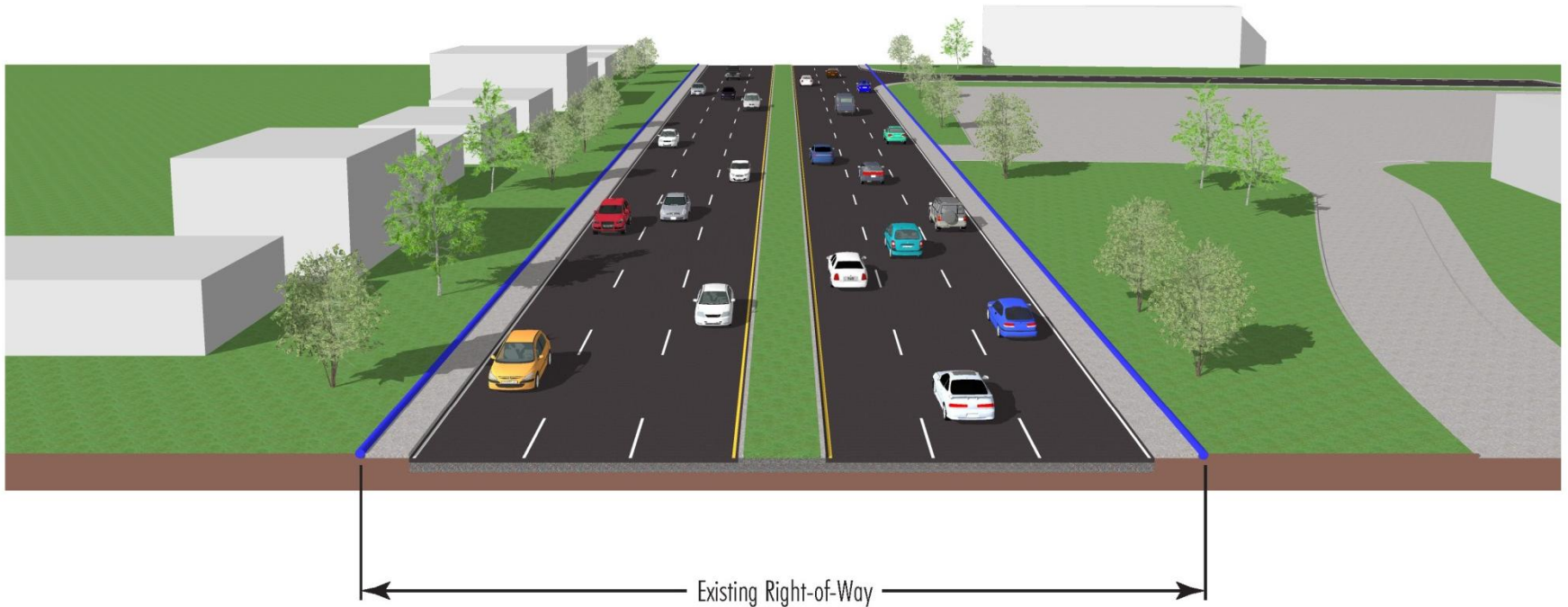






Midblock Impacts – Existing Cross Section

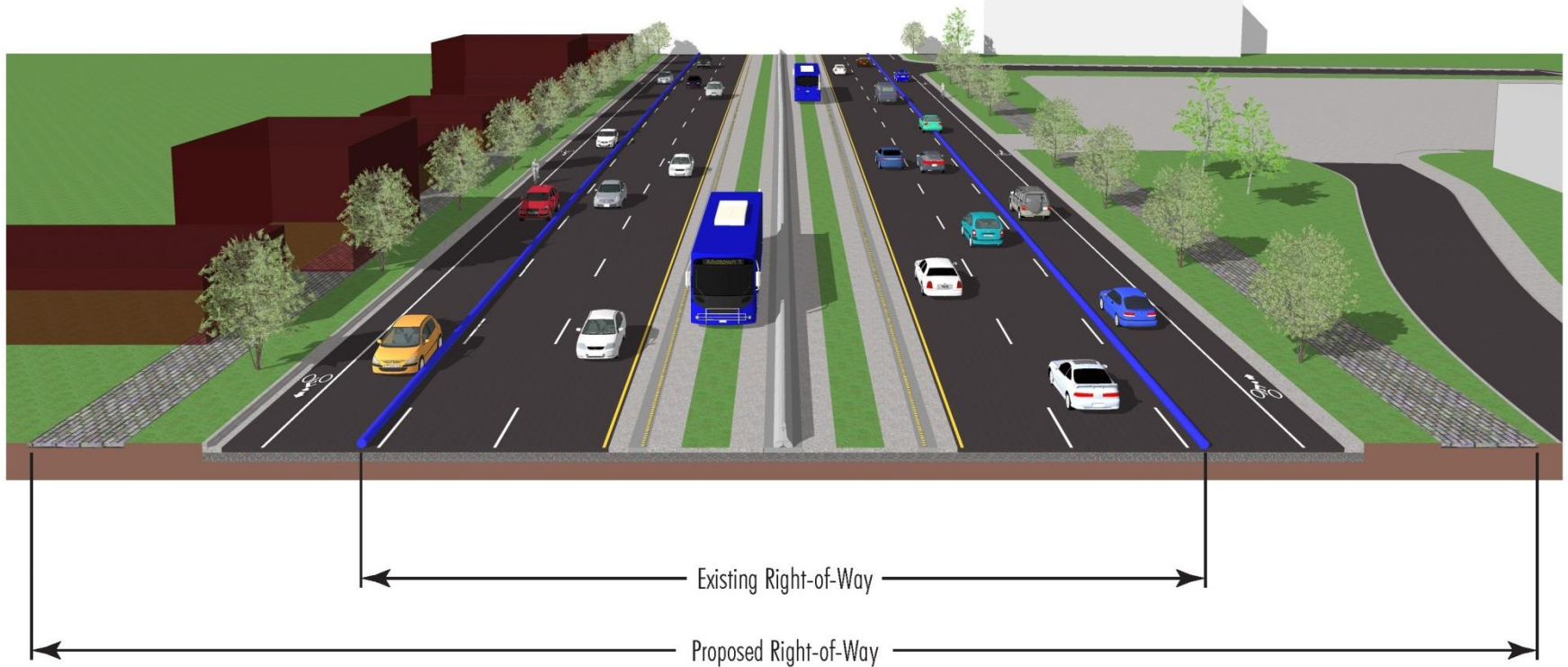
Georgia Avenue – Medical Park Drive to Dexter Avenue





Midblock Impacts – Preferred Cross Section

Georgia Avenue – Medical Park Drive to Dexter Avenue





Intersection Impacts – Existing Cross Section

Georgia Avenue and Dennis Avenue





Intersection Impacts – Preferred Cross Section

Georgia Avenue and Dennis Avenue

