Corridor Cities Transitway Project Update

Washingtonian Woods
The Vistas at Washingtonian Woods
The Oaks at Washingtonian Woods
Mission Hills

January 30, 2013

MTA Maryland

Tonight's Meeting

- Introductions
- Recent Public Outreach
  - Washingtonian Woods – October 23, 2012
  - Correspondence with Washingtonian Woods residents
- Understand Community Concerns
- Brief Project Update
- Review Engineering Designs
- Review Traffic Analysis

Project Description

- May 11, 2012 Announcement by Governor O'Malley
  - Mode: Bus Rapid Transit
    - Two Lanes
    - Exclusive guideway
  - Overall Length: 15 miles
  - Stations: 16 proposed
  - Average Daily Ridership: 56,400

Corridor Cities Transitway

CCT Details

	Phase I Only	Full Project
Route Description	Metropolitan Grove to Shady Grove	COMSAT to Shady Grove
Distance	9 miles	15 miles
Stations	12	16
Travel Time	33 minutes	49 minutes
Capital Cost	$545 million (2012 $)	$828 million (2012 $)
Average Daily Riders	35,900 (2035)	56,400 (2035)

Corridor Cities Transitway

What is BRT?

- LRT on Rubber Tires
- Modern, low floor vehicles
- Multiple door entry
- Advanced fare payment
- Exclusive, fixed guideway
- Stations
- Real-time transit info
- Operates on regular intervals, not a timetable

Corridor Cities Transitway

Schedule

- Spring 2013 - Approval to begin Project Development Process
- Fall 2014 – Complete Preliminary Engineering and Environmental Process
- Winter 2014/15 – Approval to begin Engineering
- Summer 2017 – Begin Right-of Way Acquisition/Permitting/Agreements
- Fall 2018 – Begin Construction
- 2020 – Begin Service

Corridor Cities Transitway

Advanced Conceptual Design

- Alignment Review and Modifications
- Preliminary Storm Water Management
- Traffic Analysis
- Stations
- Utility Identification
- Structures

Corridor Cities Transitway

Renderings

King Farm Station – Side Platform

Renderings (cont.)

King Farm Station – Center Platform

Public Outreach

- Newsletter
- Website (www.mta.maryland.gov/cct)
- Neighborhood Festivals
- HOA Meetings
- Area Advisory Committees

Corridor Cities Transitway

Project Details - Engineering

- Alignment
- Stationing
- Limit of Disturbance
- Station Names
- New Developments
- Environmental Features
- Property Lines

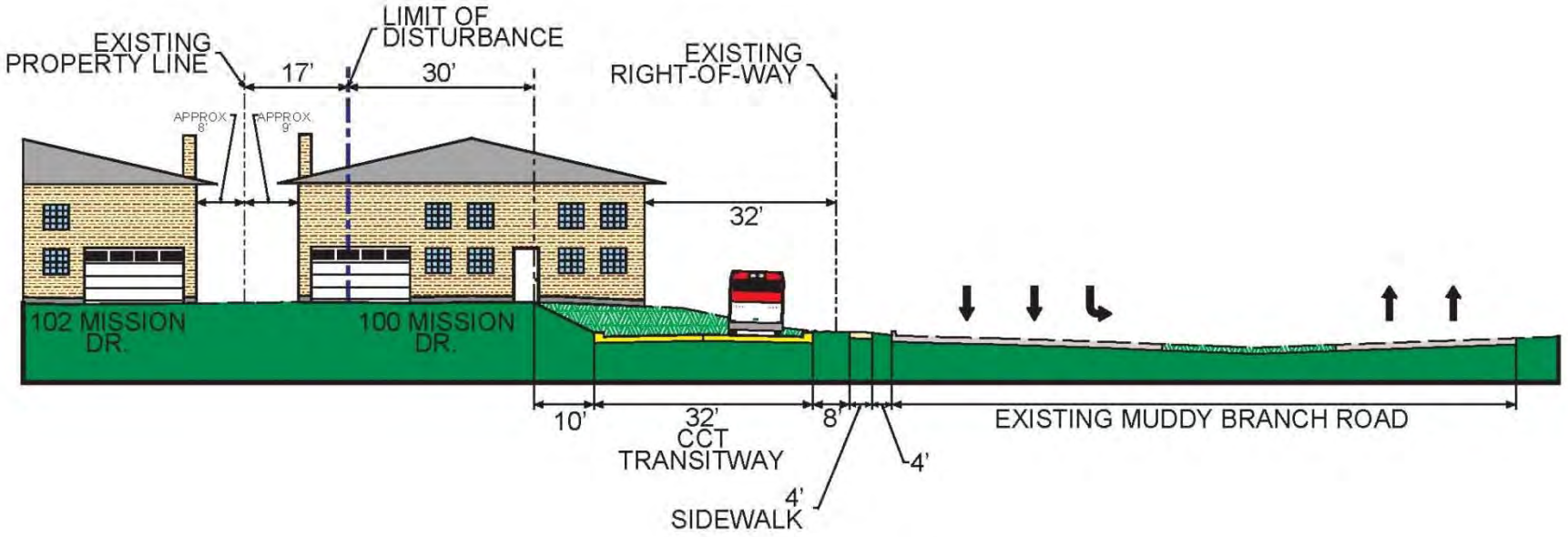
Corridor Cities Transitway

Project Details - Engineering

- Median of Belward Campus Drive
- East Side of Muddy Branch Road
- Crosses Mission Drive at-grade. Requires acquisition of 100 Mission Drive
- Crosses Muddy Branch Road at Great Seneca Highway
- Southwest side of Great Seneca Highway

Corridor Cities Transitway

Cross Section

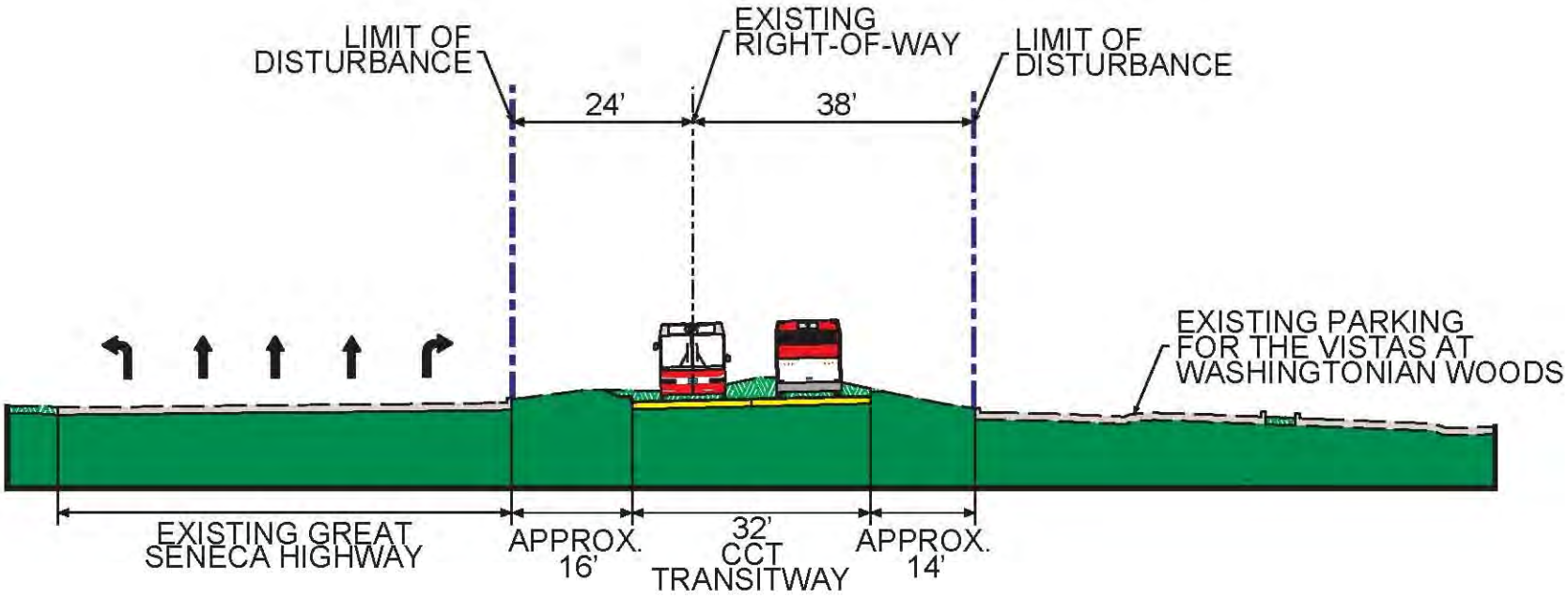


SECTION A-A

Muddy Branch Road just south of Mission Drive

Corridor Cities Transitway

Cross Section

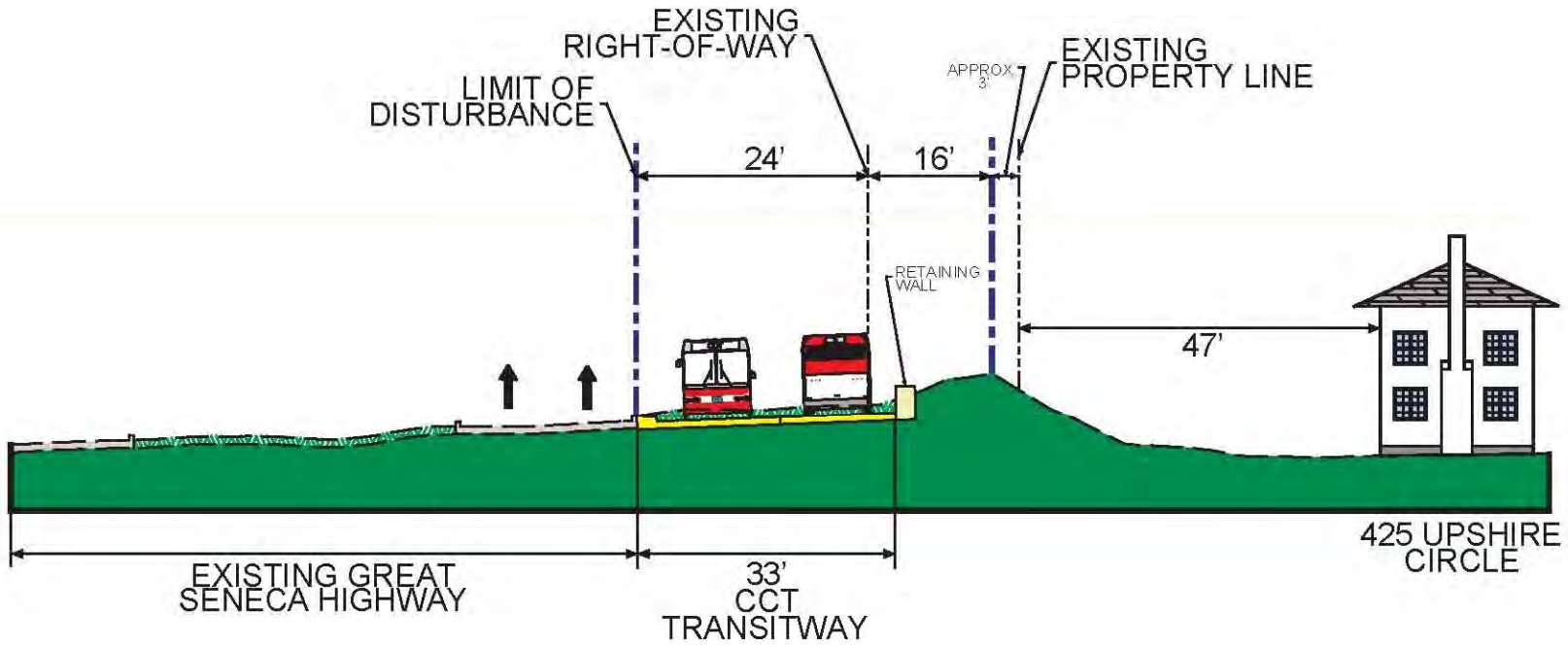


SECTION B-B

Great Seneca Highway just west of Muddy Branch Road

Corridor Cities Transitway

Cross Section



SECTION C-C

Great Seneca Highway near High Gables Drive

Corridor Cities Transitway

Traffic Analysis

- Objective: To facilitate CCT operations with minimal impact to local traffic.

- Analysis considered:
  - Future traffic forecasts (2035)
  - Future traffic operations (LOS)
  - Future transit operations (travel time, delay)
  - Treatments at CCT at-grade crossings

- VISSIM simulation of future “build” conditions

Corridor Cities Transitway

Traffic Analysis

- Changes to existing roadway:
  - JHU Campus (Belward Farm) connections to Muddy Branch Road
  - At-grade CCT crossings of Mission Drive, Belward Farm access roads, and Muddy Branch Road.
  - New traffic signals on Muddy Branch Road at Mission Drive and Midsummer Drive intersections.
  - Minor modifications at Muddy Branch Road / Great Seneca Highway for CCT crossing.

Traffic Signals

- Signals manage CCT crossings and improve access to Muddy Branch Road for neighborhood streets.
- CCT crossings occur while parallel street has green signal.
- If CCT arrives when side street has a green, the bus stops until side street phase is complete.

Wrap-up

- Contact: Rick Kiegel, P.E.
  410-767-1380
  rkiegel@mta.maryland.gov
- Public outreach will continue
- More information at:
  www.mta.maryland.gov/cct
- THANK YOU!

Corridor Cities Transitway