



Calvert – St. Mary's Metropolitan Planning Organization Bus Stop Assessment and Plan

November 5, 2019 | Presentation to the Commissioners of St. Mary's County

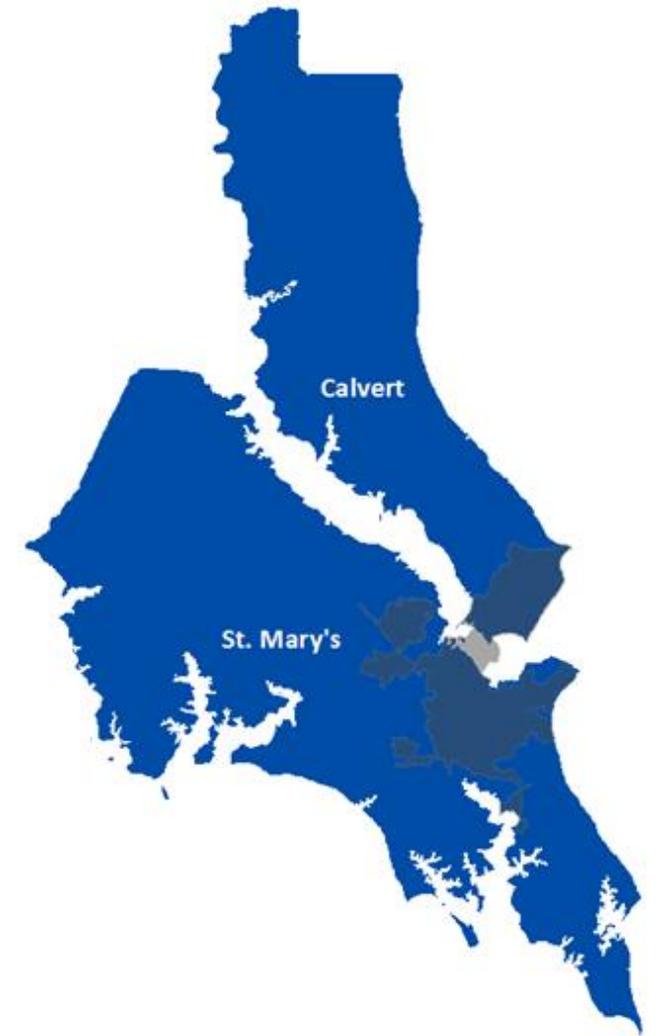
Calvert – St. Mary's
METROPOLITAN
PLANNING ORGANIZATION

KFH
GROUP



Bus Stop Assessment & Plan

- Study wholly within the C-SMMPO
 - Calvert County Public Transit (CCPT)
 - St. Mary's Transit System (STS)
- Flag stops and signed stops
- Field survey and ADA assessment
- Bus stop database
- Bus stop guidelines
- Prioritized installation & improvements



Bus Stops

- Every transit rider is a pedestrian
- Sidewalks and street crossings are crucial
- Greater mobility for individuals with disabilities
- Marketing tool – for transit and advertising
- Enhances the experience for riders and passers-by
- Installation and maintenance requires communication, resources, and funding



MD 235 @ Hollywood
Medical Center

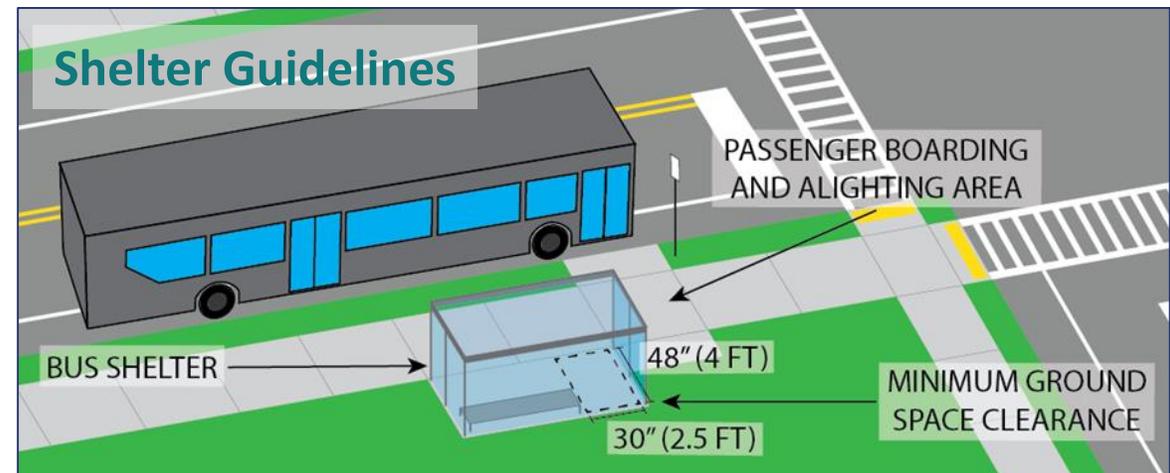
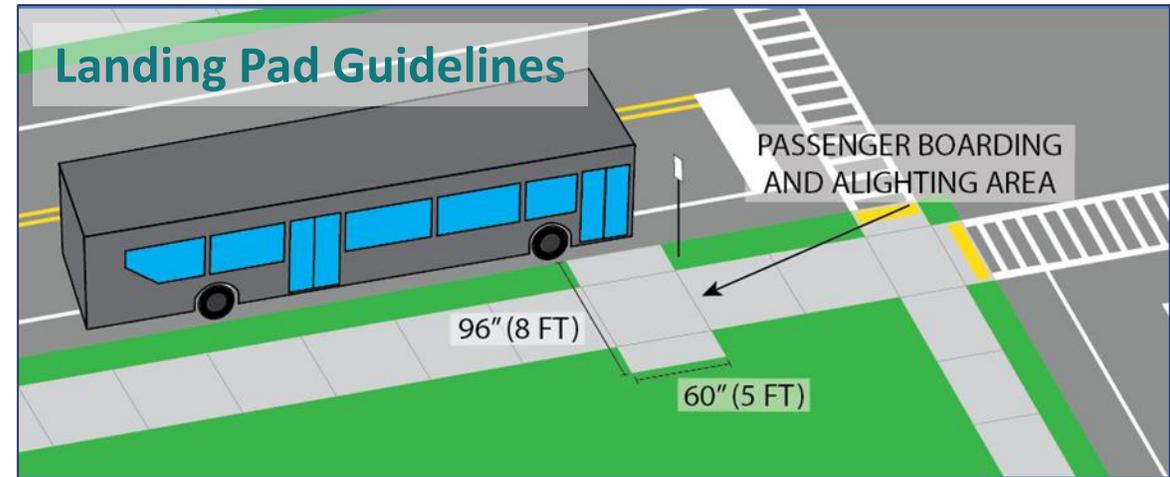


Liberty St @ Pegg Rd



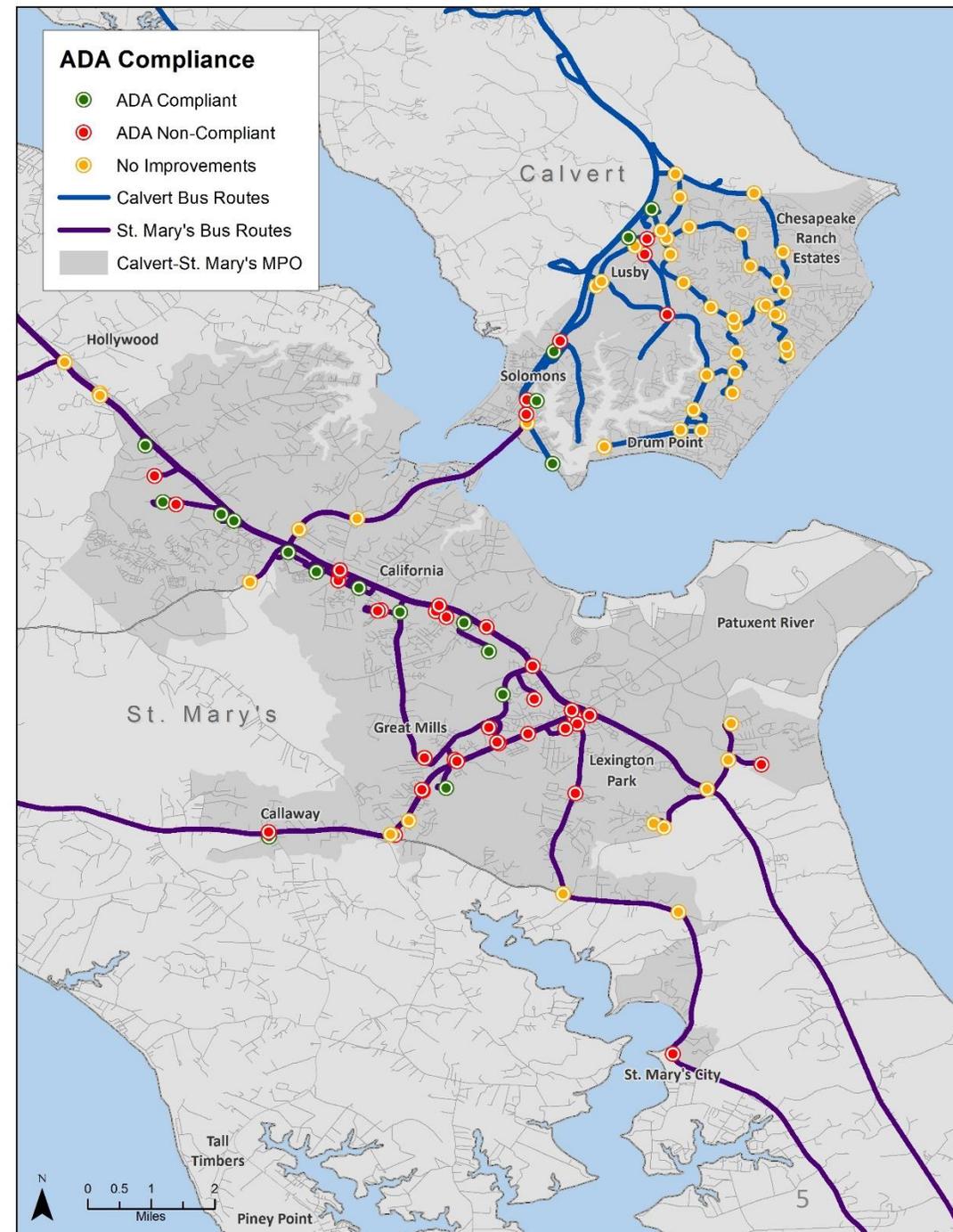
ADAAG & PROWAG

- Americans with Disabilities Act of 1990 (ADA)
- ADA Accessibility Guidelines (ADAAG)
- Public Right-of-Way Accessibility Guidelines (PROWAG)
- All Bus Stops Must Have:
 - Firm and stable surface
 - Level slope (less than 2%)
 - Clear space minimum of 96" perpendicular and 60" parallel to the direction of the street
 - Connection to street or sidewalk



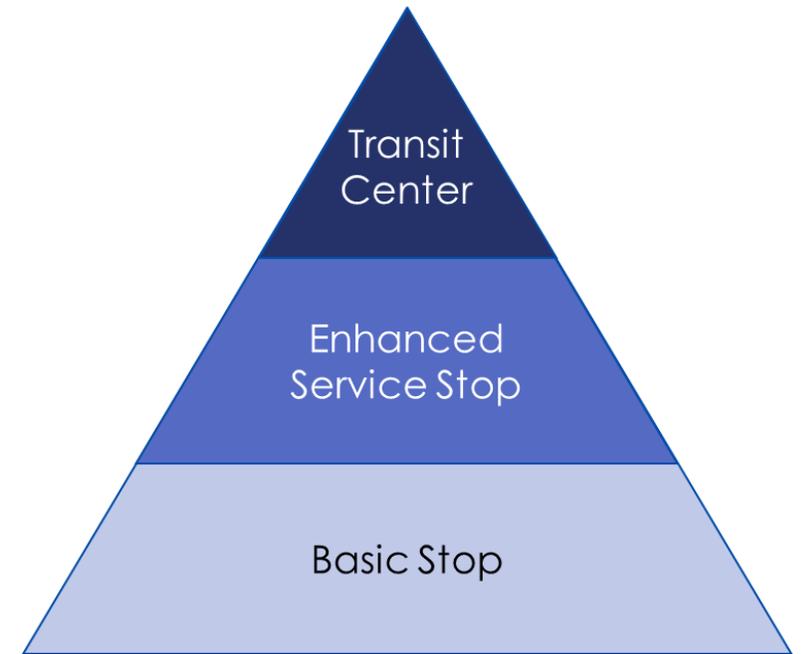
Existing Conditions

- 106 Total MPO Bus Stops
 - Calvert – 45 stops
 - St. Mary's – 61 stops
- Limited Passenger Amenities
 - 4 signed stops
 - 2 stops with bus schedule info
 - 5 stops with passenger shelters
 - 17 stops with benches
- ADA Accessibility
 - No improvements at 47% of stops
 - 17% ADA Compliant
 - Lack landing pads



Local Improvement Guidelines

- Create informed, implementable, and local bus stop guidelines
 - National best practices and local data
 - Set thresholds for future stop designation / placement
- Categorize stops into a hierarchy
 - Establish performance measures
 - Prioritize stops for future accessibility improvements and amenities
- Responsive to community requests



Bus Stop Hierarchy Pyramid

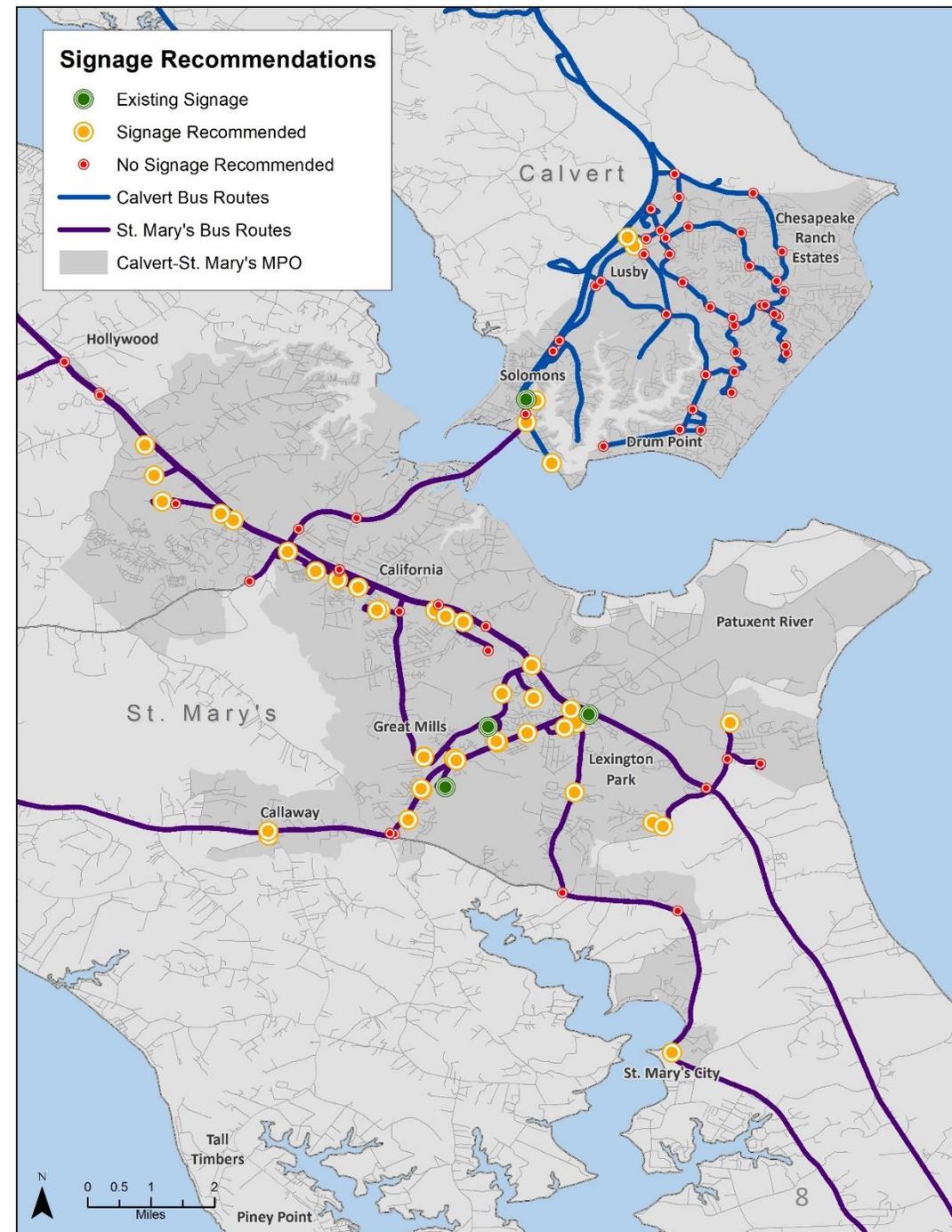
Bus Stop Improvement Guidelines

Bus Stop Element/ Passenger Amenity	Basic Stop	Enhanced Stop	Transit Center
Bus Stop Sign	✓	✓	✓
ADA 5'x8' Landing Pad	✓	✓	✓
Sidewalk	✓	✓	✓
Lighting	Evening Service	✓	✓
Bench/Seating	Site Specific	✓	✓
Trash Can	Site Specific	✓	✓
Information Case	Site Specific	✓	✓
Shelter	25+ Boardings Per Day	25+ Boardings Per Day	✓
System Map and Schedules	Contingent on Shelter	Contingent on Shelter	✓
Bus Bay (Pull Off)			✓
Real-Time Arrival Display			✓



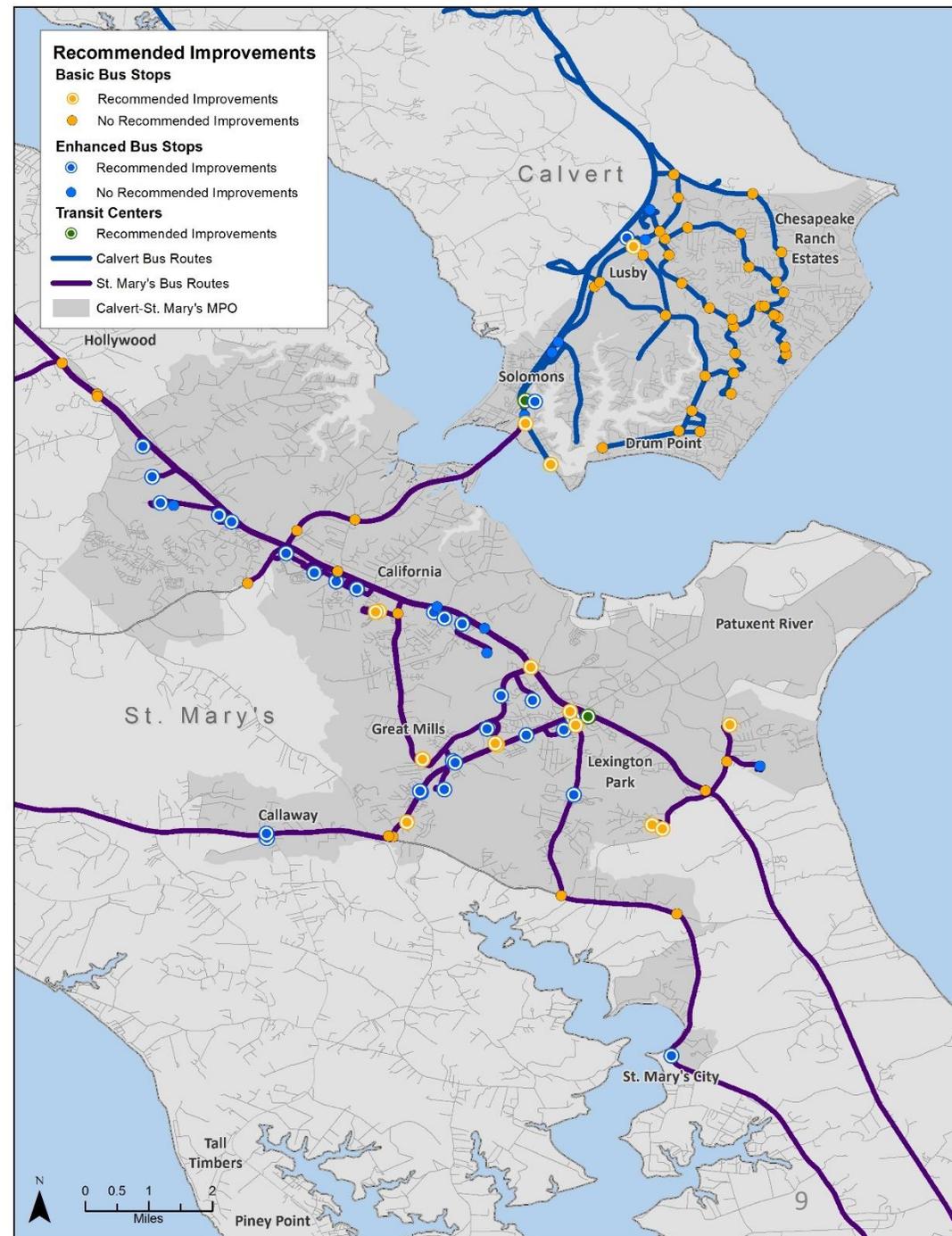
Flag & Signed Stops

- Short-term goal: signed bus stops where average daily ridership is 5+
 - 6 stops in Calvert County
 - 42 stops in St. Mary's County
- Long-term goal: eliminate flag stops for signed bus stops
- Updated bus stop signs
- ADA compliance



Proposed Improvements

- Established 47 priority bus stops
 - Based on local guidelines
 - Prioritized into a 10+ year implementation plan
- Improvements include:
 - 29 landing pads
 - 10 sidewalk & curb ramp connections
 - 16 benches
 - 29 information cases
 - 9 shelters



After the Plan

- Adopt the Bus Stop Guidelines
- Funding for improvements
- Update and maintain the Bus Stop Inventory
 - This plan is a snap-shot in time
 - Track improvements and maintenance
 - Involve key personnel
- Annual review of progress and implementation plans
- Maintain bus stop amenities

