Regional Transit Study

March 15, 2016 RTCC Meeting

Recommendations

- Goal: enhance the presence of public transit at overlapping service locations
- Resources:
  - Planning & Policy Tools
  - Peer Review
  - Bus Rider Survey
  - Employer Survey
  - Case Studies

Recommendation Strategies

- Establish “service environments” that allow partners to link design with demand
- Resources:
  - Planning & Policy Tools
  - Bus Rider Survey
  - Employer Survey

Recommendation Application

- Identify success stories, develop measures, and evaluate impacts
- Resources:
  - Peer Review
  - Case Studies
- July, October, and December 2015 meetings

Strategies – Planning & Policy

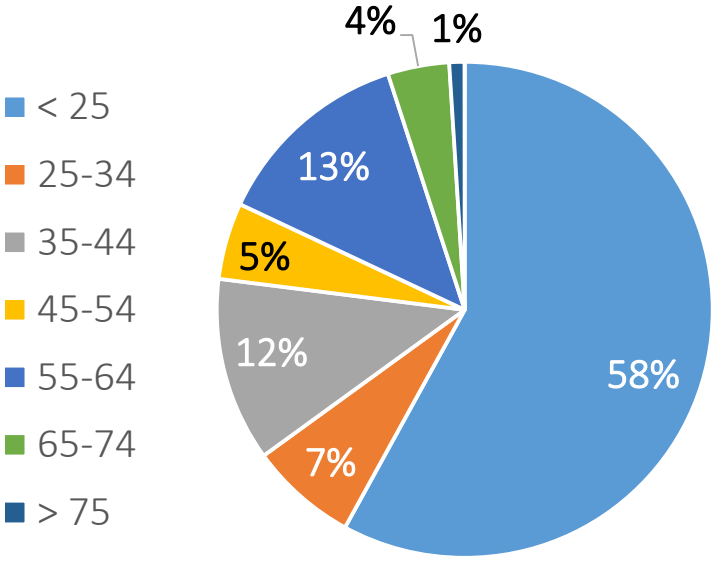
Amenity	Daily Customer Boarding Activity				
	< 50	51 - 100	101 - 300	301 - 500	501 <
Level concrete pad	+	+	+	+	+
Safe access	+	+	+	+	+
Adequate lighting	+	+	+	+	+
Bus stop signs	+	+	+	+	+
Route map and schedules	+	+	+	+	+
Standard shelter	-	+	+	+	+
Trash receptacle	-	+	+	+	+
Detailed schedule	-	-	+	+	+
Larger/multiple shelters	-	-	+	+	+
Benches in shelter	-	-	+	+	+
System map	-	-	-	+	+
Real-time travel information	-	-	-	+	+
Potential conversion to transit center	-	-	-	-	+

Strategies – Planning & Policy

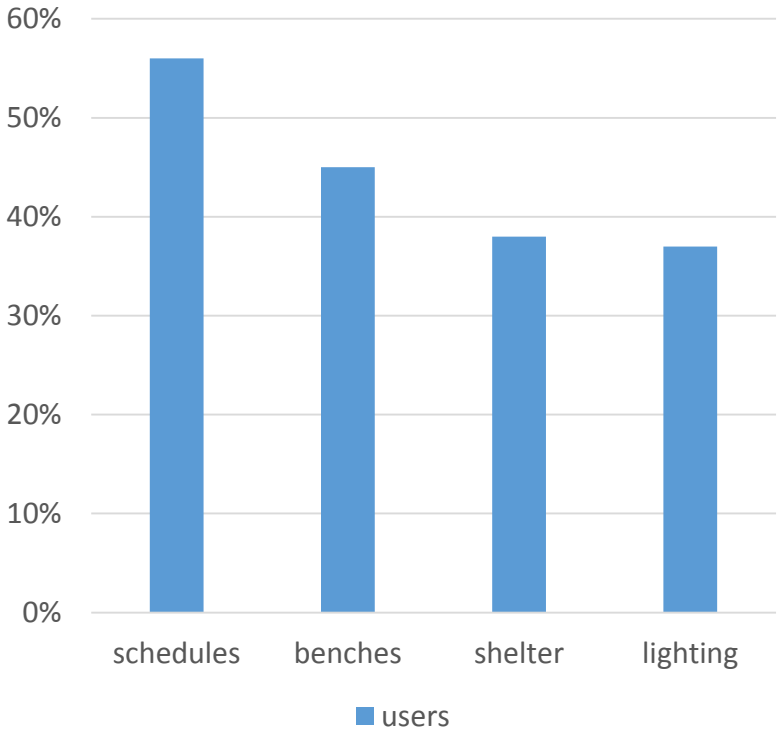
- Service Environments:
  1. Basic (lower ridership)
  2. Enhanced (medium ridership + connectivity)
  3. Hub (higher ridership + connectivity)
- Which amenities are recommended?

Strategies – Planning & Policy

age of survey respondents

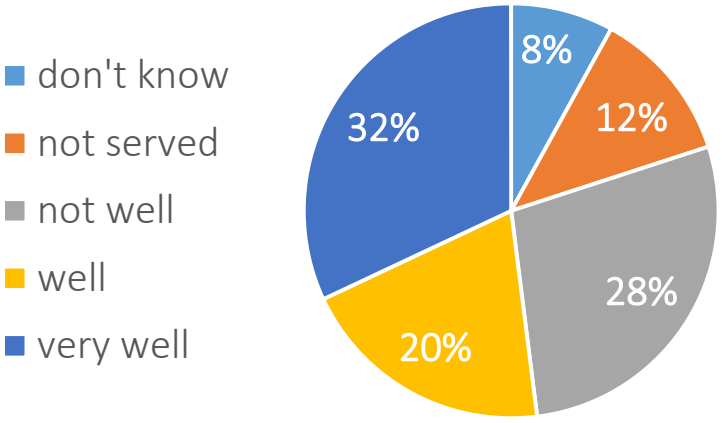


amenities desired at stops

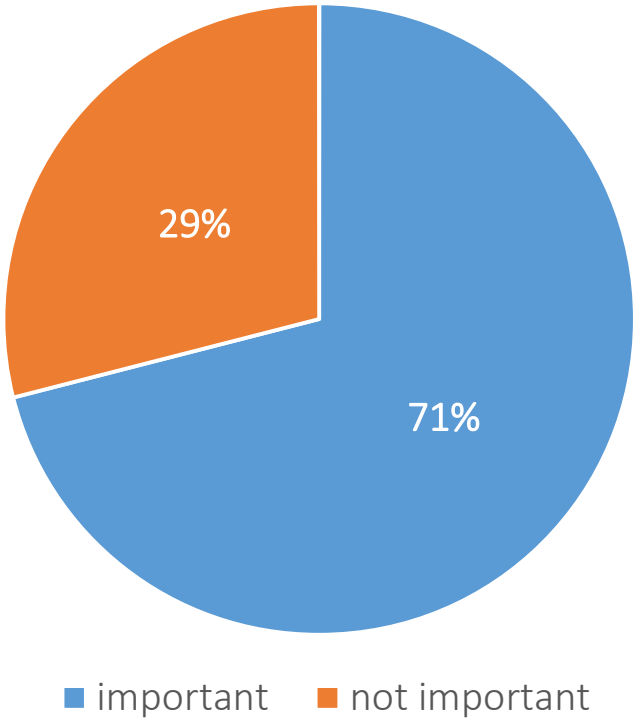


Strategies – Planning & Policy

how well work site is served



importance of transit

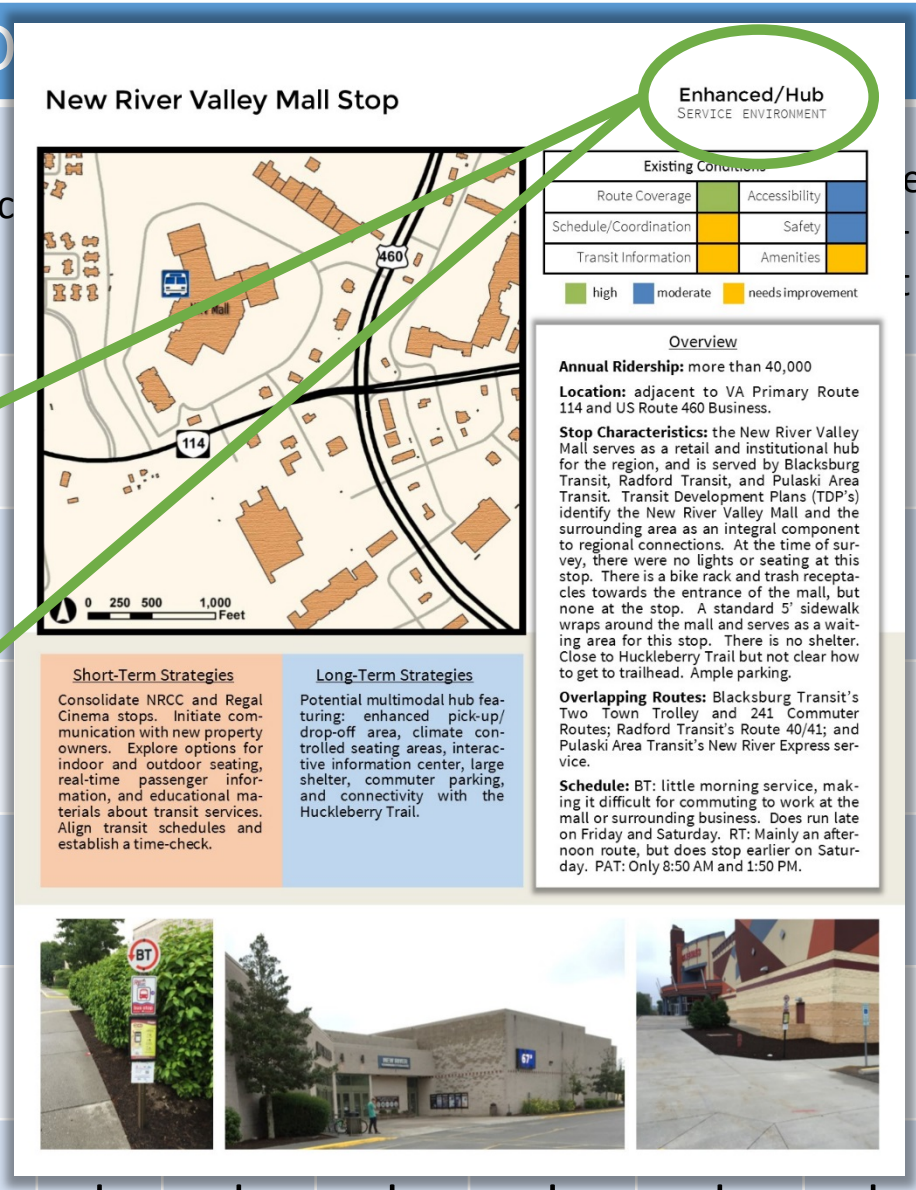


Strategies – Planning & Policy

Service Environment		Design Strategy									
		brand	light	info	seat	shelter	alert	real-time info	time check	enhanced waiting area	mode connect
minimum	Basic	+	+	+							
	Enhanced	+	+	+	+	+			+		
	Station/ Hub	+	+	+	+	+	+	+	+		
optimum	Basic	+	+	+	+	+					
	Enhanced	+	+	+	+	+	+	+	+		
	Station/ Hub	+	+	+	+	+	+	+	+	+	+

Strategies – Planning & Policy

Service Environment		Brand-ing	Ligh-ting	Con-tact info	benc h						
minimum	Basic	+	+	+							
	Enhanced	+	+	+	+						
	Station/ Hub	+	+	+	+						
optimum	Basic	+	+	+	+						
	Enhanced	+	+	+	+						
	Station/ Hub	+	+	+	+	+	+	+	+	+	+



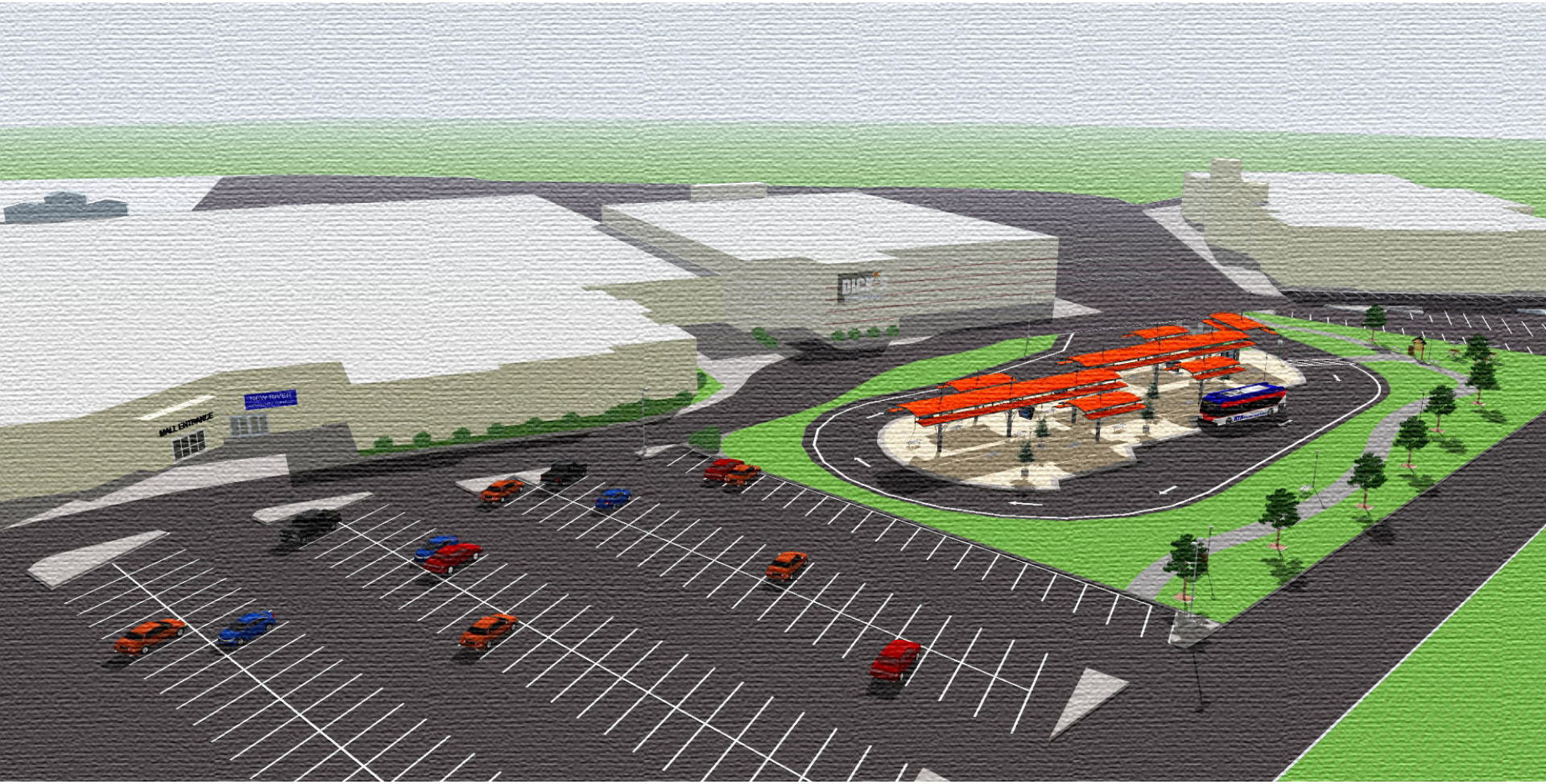
Draft Key Recommendations

- All Overlapping Stops:
  - Handicapped accessible
  - Phone number
- Basic Overlapping Stops:
  - Increase bus stop sign – improve visibility
- Enhanced/Hub Overlapping Stops:
  - Establish time-checks
  - Incorporate shelters + passenger information

Conceptual Planning: NRV Mall

- Why
  - Key overlapping stop in three Transit Development (BT, RT, PAT)
  - Will provide BT, RT, and PAT a high-capacity transit facility for a key economic node in the region
- What
  - Six-bay, covered regional stop in the western portion of NRV Mall/ NRCC Christiansburg parking lot
    - Capacity: 45-60+
    - Amenities: ADA landing stations, regional trail connections, lighting, benches, covered shelters, trash receptacles, transit system information, ability to show real-time information, and proximity to multiple services

Conceptual Planning: NRV Mall



Conceptual Planning: NRV Mall

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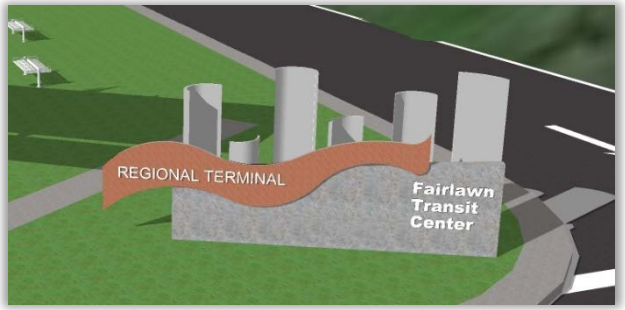

Conceptual Planning: Fairlawn Walmart

- Why
  - Key overlapping stop in two Transit Development Plans (RT and PAT)
  - Will provide PAT and RT a regional hub for shopping and transfers
- What
  - Three-bay, covered regional transit station in northeast corner of the Radford Shopping Plaza Shopping Center
    - Capacity: 30-50 passengers at site buildout
    - Amenities: ADA landing stations, sidewalk connections, lighting, benches, covered shelters, trash receptacles, transit system information, ability to show real-time information

Conceptual Planning: Fairlawn Walmart

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Conceptual Planning: Fairlawn Walmart

Conceptual Planning: Fairlawn Walmart

3-Year Action Plan

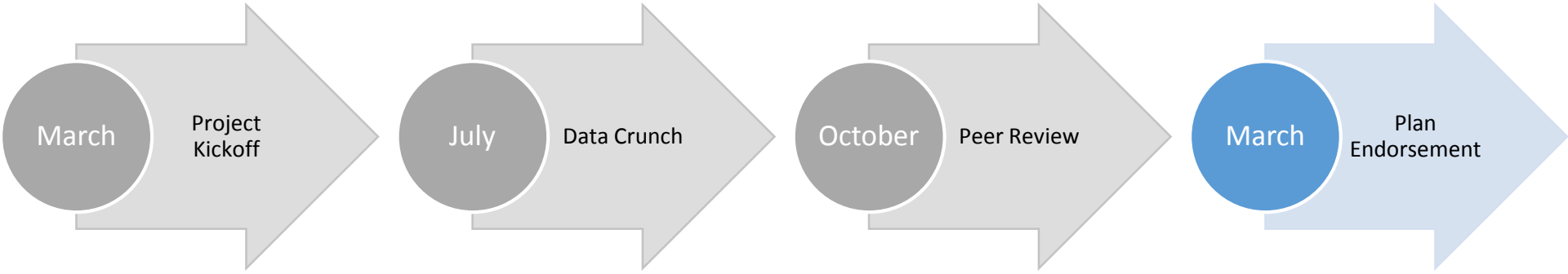
ID	Goal	Partners	Complete	Cost
1	Short-term goal here (capital, operating/policy, etc.)	Who needs to be involved	Month-Year	$
2				
3				

6-Year Action Plan

ID	Goal	Partners	Complete	Cost
1	Long(er)-term goal here (capital, operating/policy, etc.)	Who needs to be involved	Month-Year	$$$
2				
3				

Review – Roundtable Discussion

working group meeting schedule



Thank you!