Statewide Park & Ride Inventory and Usage Study, 2013

April 3, 2013
Liz McAdory, VDOT, Transportation & Mobility Planning Division
VDOT Park & Ride Lot Inventory & Usage Study

Project Team:
VDOT
SIR
Kimley-Horn
The Traffic Group
Webbones
“SAG”

Timeline
Began in Fall of 2011
Complete early 2013
Study Advisory Group (SAG) Members

VDOT
- Planning (Central Office, NOVA, Hampton Rds, Salem, and Bristol Districts)
- Traffic Engineering
- Maintenance

FHWA

DRPT

TRAFFIX

RideFinders

RIDE solutions

Rappahannock Rapidan Regional Commissions Commuter Services

Fairfax County

GW RideConnect
Why did VDOT need to conduct the study?

- **VDOT owns/maintains approximately 300 P&R lots**
  - **Inventory also includes lots owned by**
    - Transit companies/agencies
    - Jurisdictions
    - Private
- **Last inventory review conducted in 2003**
  - Prior to 2003, last audit in 1996
- **Website is GIS-based, using 2003 data**
- **Reports of empty lots and lots over capacity**
- **Inquiries looking for lots where there are currently none located**
Current VDOT Park & Ride Website

- Online Transportation Information Map
Goals / Objectives of P&R Study

• Conduct a statewide inventory of existing Park & Ride lots
• Identify recommendations for new, expanded or relocated/closed lots
• Update/reconstruct the VDOT Park & Ride website
• Enhance VDOT’s statewide Park & Ride Program
  • Develop formal PNR program
  • Evaluate & establish VDOT policies & procedures
  • Evaluate & clarify staff roles & responsibilities
• Increase coordination with Department of Rail and Public Transportation (DRPT) and other agencies
  • Improve collaboration and coordination with multi-modal partners
• Increase public outreach and awareness
  • Increase public access to information
Study Deliverables

1. Lot audit and inventory database
   a) Pictures
   b) Latitude and Longitude
   c) Number of spaces (incl. handicapped spaces)
   d) Amenities
   e) Special comments

2. Recommendations for new, expanded, relocated lots
   1. Includes recommendations from comp. plans, MPO/PDC plans, statewide plans, etc.
   2. Database and maps

3. Reconstructed website and embeddable widget

4. P&R Program Goals and Objectives / Best Practices

5. Public Outreach – User Survey
Deliverable: Lot Audit & Inventory Update

Audited 16 lots in Hampton Roads District

- Silver Leaf Station
- Denbigh Fringe Parking
- Lee Hall Commuter Parking Lot
- Park & Sail Commuter Parking Lot
- Smithfield Commuter Parking Lot
- Route 58/460 Bypass
- Magnolia Commuter Parking Lot
- Municipal Center - Surry
- Indian River Road
- Bartlett
- Croaker Road
- Jamestown-Scotland Ferry
- Stony Creek
- Jamestown Center
- Lightfoot
- Greenbriar Mall
Deliverable: P&R Lot Recommendations

- Maintenance at seven lots, including paving; resurfacing; enhance with lighting, bike racks, installing drainage, replacing signage, etc.
- Expand lot and connect bike and pedestrian facilities
- Establish formal agreement with K-Mart shopping center owners
- Expand park & ride services
- Provide approximately 30 new park & ride lots
Deliverable: Mappable Database (Existing & Recommendations)

Mappable Database
Deliverable: Reconstruct VDOT Website

- Online Transportation Information Map
Deliverable: Reconstruct VDOT Website

Find a Park & Ride lot > Search three ways

VDOT Park & Ride (P&R) lots

This resource center was created by VDOT in close partnership with the Virginia Department of Rail and Public Transportation (DRPT) and Virginia’s commuter resource agencies to better serve commuters, travelers and the communities across the Commonwealth. There are over 300 Virginia P&R lots available for your use, including state-owned, privately-owned and informal lots.

On this website you’ll find:

- Search tools for easily locating P&R lot locations and information
- Tips and resources on using P&R lots and ride-sharing
Deliverable: Reconstruct VDOT Website

Find a Park & Ride lot > Search three ways

Silver Leaf Station, #72
City of Virginia Beach
ZIP: 23462
Address / Nearest Intersection: Silver Leaf Drive & Route 8627 (Independence Boulevard)

Parking spaces: 300
Handicapped spaces: 12
Paved: Yes
Lights: Yes
Bike accommodations: Lockers
Signed as P&R lot: Yes

Get directions: To here – From here
Transit service: Yes
Fee: No
Comments: At HRT facility.
Deliverable: Reconstruct VDOT Website

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VDOT Draft P&R Website
Deliverable: User Survey Findings – Hampton Roads

- Average time of arrival to P&R Lot – 6:02am
- 64% of P&R lot users in HR use lots five days / week
  - 99% of all lot users use the lots to commute to work
- Of users surveyed, they chose the following mode once parked at the lot
  - 49% rode bus or train
  - 30% rode in car or vanpool
  - 8% picked up passengers in their car or vanpool
  - 8% walked to their destination
  - 1% dropped user off
  - 4% selected “other”
Deliverable: User Survey Findings – Hampton Roads

• Average distance traveled to get to P&R lot is 9 miles
  • 34% - less than 5 miles
  • 43% - 5-10 miles
  • 14% - 11-20 miles
  • 9% - 21 miles or more

• Average time spent traveling to P&R lot is 14 minutes
  • 23% - less than 10 minutes
  • 64% - 10-20 minutes
  • 9% - 21-30 minutes
  • 4% - 31-60 minutes
  • 0% - more than 60 minutes

• Average distance and time traveled from P&R lot to destination is 26 miles and 41 minutes.

• Average total commute is 35 miles and 55 minutes.
VDOT P&R Study: Next Steps

• Launch website – April 2013
• Begin district review
  • Implement recommendations
  • Investment strategies
• Bi-annual inventory updates
• Continue coordination
• TDM
  • Bigger picture
    • P&R lots fit into overall goal of TDM
      • Reduce Single Occupant Vehicles (SOV)
Questions / Comments?

Thank you!

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