Approve Previous Meeting Minutes

- February 2019
Todays Agenda

• Glenn Barrington – Transit Services Update
• Jonathan King - Parking Services Update
• Ezra Small – Valley Bike Share Update
Transit Service Update
Glenn D. Barrington – General Manager
Transit Service Update

• PVTA Update
• Bus Shelter Installation
• New SpecTrans Vans
• EV Event
Transit Service Update

- Ridership Update

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Jul</th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
<th>YTD</th>
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<tbody>
<tr>
<td>FY18</td>
<td>85,004</td>
<td>95,222</td>
<td>441,123</td>
<td>454,890</td>
<td>369,749</td>
<td>284,309</td>
<td>223,210</td>
<td>402,745</td>
<td>360,918</td>
<td>436,295</td>
<td>185,641</td>
<td>85,810</td>
<td>2,717,170</td>
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<td>FY19</td>
<td>85,635</td>
<td>98,038</td>
<td>414,922</td>
<td>415,390</td>
<td>319,493</td>
<td>253,186</td>
<td>205,041</td>
<td>395,035</td>
<td>342,746</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2,529,486</td>
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<td>Total Change</td>
<td>631</td>
<td>2,816</td>
<td>26,201</td>
<td>39,500</td>
<td>50,256</td>
<td>31,123</td>
<td>18,169</td>
<td>7,710</td>
<td>18,172</td>
<td>436,295</td>
<td>185,641</td>
<td>85,810</td>
<td>187,684</td>
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<tr>
<td>% Change</td>
<td>0.74%</td>
<td>2.96%</td>
<td>-5.94%</td>
<td>-8.68%</td>
<td>-13.59%</td>
<td>-10.95%</td>
<td>-8.14%</td>
<td>-1.91%</td>
<td>-5.03%</td>
<td>-100.00%</td>
<td>-100.00%</td>
<td>-100.00%</td>
<td>-6.91%</td>
</tr>
</tbody>
</table>

- Driver Training
  - 60 drivers hired and trained since May 2018
  - 16 “trainees” currently in our training program
  - Three training sessions scheduled for this summer
  - Hope to hire and train an additional 20 new drivers this summer
Transit Service Update

• Bus Shelter Installation at Totman this summer
  – UMass Pplant already poured the concrete pad
  – PVTA will provide shelter
  – This is a heavily used bus stop location on the Route 34 southbound campus shuttle
  – Amenities will include
    – Benches
    – Recycle/trash containers
    – Bike racks
Transit Service Update

Out with the old (2003 Ford Econoline)  In with the New (2019 Ford Transit)
Transit Service Update

- New vans can be set up for numerous seating options
- Allows for multiple use for both our SpecTrans and Field Trip operations
Transit Service Update
UMass Drive Electric Earth Day, April 24

- **Tomorrow**, Wednesday, April 24, 10am to 2:30pm right here at UMass Transit Services Bus Garage

- Learn about the newest electric vehicles (EVs); talk with EV owners and manufacturers about costs, mileage range, rebates and incentives like the 20% discount in UMass parking fees and UMass EV charging stations. Test drive or ride EV’s and plug-in hybrids from BMW, Chevy, Nissan, and VW (No Tesla unfortunately).

- This event is co-sponsored by UMass Transit Services, UMass Parking Services, Sustainable UMass, UMass Workplace Education and Plug In America as part of the national Drive Electric Earth Day celebration.
Parking Services Update
Jonathan King, Parking Manager

• Summer Projects
  – Lot 26
  – Governor’s Drive
  – Lot 43

• EV Charger Installations

• Permit Renewal
Parking Services Update

- Full depth reconstruction
- To begin shortly after Commencement
- Done in conjunction with paving Governors Dr.
- 8-10 week project
- Permit holders will receive email notice with alternate parking
Parking Services Update

- Governor’s Drive
  - May 13 – August 23
  - Full depth reconstruction and design
  - Traffic will be one lane only during construction (with police details)
  - Warner Brothers was awarded the bid for both Governr’s Drive and Lot 26
Parking Services Update

• Lot 43 at Totman
  – Full depth reconstruction
  – To begin in mid-June
  – Project will take approximately 8 weeks to complete
  – Full redesign (travel lanes, removal of islands, sidewalks)
  – Will receive 2 level II EV chargers
  – Permit holders will receive email with alternate parking (other section of Lot 43 and Lot 27)
Parking Services Update

- EV Charging on campus has increased significantly since 2016
Parking Services Update

• EV Charging Station Installations
  – UMass currently has 22 hoses available for EV charging
  – Planning to add another 14 hoses this summer (Lots 25, 41, 43, 52 and 400 Venture Way)
  – Join the UMass EV Charging Club and pay only $0.12 per kWh at surface lot chargers
  – EVs also qualify for a 20% discount off your full year parking permit for 2 years.
Parking Services Update

- Permit Renewal
  - Permit renewals began on April 11th
  - 1500 people renewed on opening day
  - We will have 2 envelope “ride-a-longs” this year which will pay for 50% of mailing cost for no extra charge to Parking Services
  - The two mailers are UMACC and UMass License Plate
Ezra Small – Valley Bike Share Update
Ezra Small – Valley Bike Share Update
Ezra Small – Valley Bike Share Update

• Highlights from Report on Year 1 (2018)
Ezra Small – Valley Bike Share Update

• First five months of VB was successful with some challenges

• First year communities: Northampton (fiscal lead), Amherst, Holyoke, South Hadley, Springfield, UMass

• PVPC coordinator

• Bewegen primary system vendor

• Corps Logistics day-to-day operator

Communities and vendors
Ezra Small – Valley Bike Share Update

• MassDOT and the US DOT Congestion Mitigation Air Quality (CMAQ) provided funding for equipment

• Sponsors provided supplemental funding: including Mercy Medical Center, Baystate Medical Center, Florence Bank, Cooley Dickinson Hospital, and NETA
Ezra Small – Valley Bike Share Update

• Official launch date: June 28, 2018
• Closing date: November 30, 2018
• Miles travelled: 83,735 (equivalent to 3.3 trips around Earth)
• Number of trips: 26,353 bicycle trips
• Average of 170 trips per day
• Average of 167 bikes were available at any given time at 43 stations. System is designed to have 500 bikes and 50 stations.
• 26 stations opened at launch, 17 more in July/August. Remaining 7 will open in 2019

System-wide Data From 2018

<table>
<thead>
<tr>
<th>Month</th>
<th>Total Rides</th>
<th>Avg Distance</th>
<th>Avg Bikes Available</th>
<th>Avg rides/bike</th>
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</thead>
<tbody>
<tr>
<td>June</td>
<td>98</td>
<td>2.2</td>
<td>94</td>
<td>1.0</td>
</tr>
<tr>
<td>July</td>
<td>2836</td>
<td>3.5</td>
<td>94</td>
<td>30.2</td>
</tr>
<tr>
<td>August</td>
<td>7369</td>
<td>3.8</td>
<td>237</td>
<td>51.1</td>
</tr>
<tr>
<td>September</td>
<td>9889</td>
<td>3</td>
<td>152</td>
<td>65.1</td>
</tr>
<tr>
<td>October</td>
<td>4404</td>
<td>2.3</td>
<td>151</td>
<td>29.2</td>
</tr>
<tr>
<td>November</td>
<td>1757</td>
<td>2</td>
<td>202</td>
<td>8.7</td>
</tr>
<tr>
<td>Total</td>
<td>26353</td>
<td>3.1</td>
<td>167</td>
<td>157.8</td>
</tr>
</tbody>
</table>
Ezra Small – Valley Bike Share Update

- User survey was sent to all VB accounts in October 2018. 364 individual responses were gathered.
- Over half of riders were over 30.
- Vast majority of users rode less than 5x a month, suggesting most using for leisure rather than commute.
- An impressive 36% of users rode a bike more frequently since they became members.
- 70% own their own bike and 78% own their own vehicle.

User Survey Data
Ezra Small – Valley Bike Share Update

- VB offered 6 different types of memberships for sale.
- Most rides were “occasional” (Day passes or Go Passes) at 41%
- Long term passes (Monthly and Founding/Annual) at 13% of rides
- Monthly passes made up 28% of rides
- Single trip passes which have to be purchased at kiosk was <1%.

Membership Data

<table>
<thead>
<tr>
<th>Purchases</th>
<th>Number of rides</th>
<th>Percent of Total</th>
<th>Cost of Pass</th>
<th>Average Miles Per Ride</th>
</tr>
</thead>
<tbody>
<tr>
<td>Annual Pass</td>
<td>705</td>
<td>2.0%</td>
<td>$30/year, 45 min of each ride included</td>
<td>1.7</td>
</tr>
<tr>
<td>Day Pass</td>
<td>7,359</td>
<td>27.9%</td>
<td>$60/day, unlimited 45 min trips for 24 hours</td>
<td>4.0</td>
</tr>
<tr>
<td>Founding Member</td>
<td>2,812</td>
<td>10.7%</td>
<td>$90/year, 60 min of each ride included</td>
<td>2.4</td>
</tr>
<tr>
<td>Go Pass</td>
<td>8,045</td>
<td>30.5%</td>
<td>$5.00 to sign up, $2.00/trip</td>
<td>3.3</td>
</tr>
<tr>
<td>Monthly Pass</td>
<td>7,412</td>
<td>28.1%</td>
<td>$20/mon, 45 min of each ride included</td>
<td>2.5</td>
</tr>
<tr>
<td>Single Trip Pass*</td>
<td>26</td>
<td>.1%</td>
<td>$2.00</td>
<td>4.1</td>
</tr>
<tr>
<td>Total</td>
<td>26,355</td>
<td>100%</td>
<td></td>
<td>3.1</td>
</tr>
</tbody>
</table>

Pass Purchase Locations:

- Mobile: 2,798
- Kiosk: 23,555
Ezra Small – Valley Bike Share Update

• Lot’s of challenges during start-up time such as installs, bike availability, and kiosk usability.

• Numbers increased over summer (most likely after UMass stations came online in August and September).

• Most popular over weekends (suggesting high recreation use).

• More frequent use in afternoon.

Usage Data
Ezra Small – Valley Bike Share Update

- Large portion of trips were short, lasting less than 15 minutes.
- 80% of all rides lasted less than 45 minutes.
- Some lengthy rides of over 1.5 hours (8.2%)
- Average length of trip was 42.5 minutes
- Average distance was 3.1 miles
- At UMass, these averages were 15 minutes and 1.5 miles (much less).
- 2/3 of all trips were one way (different station return than origin)
- 27.5% of riders used VB in conjunction with other types of public transportation

More Usage Data
Ezra Small – Valley Bike Share Update

• Longest rides both duration and length were in Springfield, shortest in Amherst, due to number of students using bikes on campus.

• All of the top ten stations for ride starts were in Amherst (5), Springfield (4), and Northampton (1).

• 3 UMass stations in Top 10!

Data by Community
Ezra Small – Valley Bike Share Update

• Of top ten one-way routes taken, 6 either started or ended at UMass! Suggesting lot’s of student use and savviness of ridership by students in locating stations close to final destinations.

• One way trips suggest non-leisure usage.

• Top two most frequent one-way trips are between Southwest and Knowlton station in both directions!

### Top 10 One-Way Routes

<table>
<thead>
<tr>
<th>One Way Route</th>
<th>Times Route Token</th>
</tr>
</thead>
<tbody>
<tr>
<td>UMass Southwest-UMass Knowlton</td>
<td>299</td>
</tr>
<tr>
<td>UMass Knowlton-UMass Southwest</td>
<td>267</td>
</tr>
<tr>
<td>UMass Knowlton-North Pleasant Street</td>
<td>240</td>
</tr>
<tr>
<td>UMass Central Residential Area-UMass Haigis Mall</td>
<td>211</td>
</tr>
<tr>
<td>Court Square-South End/Main Street</td>
<td>189</td>
</tr>
<tr>
<td>North Pleasant Street-UMass Knowlton</td>
<td>189</td>
</tr>
<tr>
<td>Amherst Town Hall-Kendrick Park</td>
<td>184</td>
</tr>
<tr>
<td>South End/Main Street-Court Square</td>
<td>181</td>
</tr>
<tr>
<td>UMass Haigis Mall-UMass Knowlton</td>
<td>180</td>
</tr>
<tr>
<td>Kendrick Park-Amherst Town Hall</td>
<td>177</td>
</tr>
</tbody>
</table>

### Top 20 Most Popular Routes

<table>
<thead>
<tr>
<th>Route</th>
<th>Times Route Taken</th>
</tr>
</thead>
<tbody>
<tr>
<td>South End/Main Street-South End/Main Street</td>
<td>916</td>
</tr>
<tr>
<td>Live Well Springfield Station-Live Well Springfield Station</td>
<td>456</td>
</tr>
<tr>
<td>Benfield Park-Benfield Park</td>
<td>457</td>
</tr>
<tr>
<td>Court Square-Court Square</td>
<td>342</td>
</tr>
<tr>
<td>Mason Square Library-Mason Square Library</td>
<td>317</td>
</tr>
<tr>
<td>UMass Southwmnt-UMass Knowlton*</td>
<td>298</td>
</tr>
<tr>
<td>UMass Knowlton-UMass Southwest*</td>
<td>267</td>
</tr>
<tr>
<td>Mackenzie Field-Mackenzie Field</td>
<td>248</td>
</tr>
<tr>
<td>Northampton Train Station-Northampton Train Station</td>
<td>248</td>
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<tr>
<td>UMass Southwest-UMass Southwest</td>
<td>244</td>
</tr>
<tr>
<td>UMass Knowlton-North Pleasant Street*</td>
<td>240</td>
</tr>
<tr>
<td>Amherst Town Hall-Amherst Town Hall</td>
<td>159</td>
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<tr>
<td>STLC - Springfield Armory-STLC - Springfield Armory</td>
<td>237</td>
</tr>
<tr>
<td>Main Street/Bridge Street/Main Street/Bridge Street</td>
<td>232</td>
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<tr>
<td>YMCA/Child Park-YMCA/Child Park</td>
<td>221</td>
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<tr>
<td>Kendrick Park-Kendrick Park</td>
<td>216</td>
</tr>
<tr>
<td>UMass Central Residential Area-UMass Haigis Mall*</td>
<td>211</td>
</tr>
<tr>
<td>North Pleasant Street-North Pleasant Street</td>
<td>207</td>
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<tr>
<td>Holyoke Medical Center Station-Holyoke Medical Center Station</td>
<td>201</td>
</tr>
<tr>
<td>South Holyoke-South Holyoke</td>
<td>197</td>
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Data by Community Continued
Ezra Small – Valley Bike Share Update

• Intention of program is to cut down pollution created by cars.
• 26% of users ride VB to commute to work or school or to help reduce pollution and traffic congestion.
• 78% reported owning a vehicle which could result in about 3,916 vehicles.
• Based on CMAQ Analysis worksheet calculations, VB was responsible for following emission reductions in kilograms…
• Equivalent of removing about 210 passenger vehicles

<table>
<thead>
<tr>
<th>Summer VOC</th>
<th>Summer NOx</th>
<th>Summer CO</th>
<th>Summer CO2</th>
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<tr>
<td>992.9</td>
<td>730.6</td>
<td>12,175.2</td>
<td>966,197.7</td>
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</tbody>
</table>
Thank you for your continued participation in PTAB!

We will meet again next September.

Enjoy the summer break!