MAJOR TRANSPORTATION & REGIONAL COOPERATION COMMITTEE

November 10, 2015
RECENT DEVELOPMENTS

• Civil construction continued throughout October
  – Final trackwork completed at 2nd & Main Streets
  – Main St. paving completed
  – OCS adjustments, punch list work in OTR, MOF continued

• Cincinnati Streetcar #1175 (Unit #1) arrived in Cincinnati on Oct 30
  – Dead pull test conducted Nov 8

• Remaining vehicle production continues at CAF Elmira, NY plant
  – Unit #2 - routine testing
  – Unit #3 - routine testing
  – Units #4, 5 - assembly underway
## BUDGET VS. EXPENSES
### Through 10/31/15 - DRAFT

<table>
<thead>
<tr>
<th>Budget Category</th>
<th>Base + Allocated</th>
<th>Contingency</th>
<th>Expended</th>
<th>Encumbered</th>
<th>Expend. + Encumb.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Federal</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Construction</td>
<td>$52,511,908.33</td>
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<td>$63,580,118.55</td>
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<td>$71,384,982.93</td>
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<td>MOF</td>
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<td>$2,830,518.78</td>
<td>$260.00</td>
<td>$2,830,778.78</td>
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<tr>
<td>Utilities (Project)</td>
<td>$6,958,405.62</td>
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<td>$1,098,432.90</td>
<td>$901,567.10</td>
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<td>Utilities (3rd Party)</td>
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<td>$2,011,186.00</td>
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<td>$2,011,186.00</td>
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<tr>
<td>Fare Vending</td>
<td>$550,000.00</td>
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<td>$250,000.00</td>
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<tr>
<td>City Project Administration</td>
<td>$4,006,813.27</td>
<td></td>
<td>$2,830,518.78</td>
<td>$260.00</td>
<td>$2,830,778.78</td>
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<tr>
<td>SORTA Project Administration</td>
<td>$2,100,000.00</td>
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<td>$901,567.10</td>
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<tr>
<td>Real Estate</td>
<td>$2,010,143.00</td>
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<td>$2,011,186.00</td>
<td>-</td>
<td>$2,011,186.00</td>
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<tr>
<td>Start-up (capital)</td>
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<td>-</td>
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<tr>
<td>Vehicles</td>
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<td>$14,813,867.23</td>
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<tr>
<td>Unallocated Contingency</td>
<td>$4,991,010.00</td>
<td></td>
<td>$1,514,115.11</td>
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<td>$4,696,124.63</td>
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<td><strong>Subtotal</strong></td>
<td>$116,731,109.97</td>
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<td>$84,418,813.41</td>
<td>$28,127,037.58</td>
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<td>Utilities (Duke Escrow)</td>
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<td>-</td>
<td>$15,000,000.00</td>
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<tr>
<td><strong>Federal Total</strong></td>
<td>$131,731,109.97</td>
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<td>$99,418,813.41</td>
<td>$28,127,037.58</td>
<td>$127,541,850.98</td>
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<tr>
<td><strong>Local</strong></td>
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<td></td>
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<tr>
<td>Design</td>
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<td>$14,313,044.86</td>
<td>$19,571.85</td>
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<td><strong>Local Total</strong></td>
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<td><strong>Grand Total</strong></td>
<td>$148,078,277.97</td>
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<td>$115,377,386.78</td>
<td>$28,195,767.30</td>
<td>$143,573,154.07</td>
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</table>

*Construction Expenditures include $2.931 Million in unreleased retainage on MPD contract.*
*Vehicle Expenditures include $346,228 in unreleased retainage on CAF contract.*
RISK/CONTINGENCY ITEMS

• CONSTRUCTION
  – Additional engineering support to close construction items

• VEHICLES
  – Additional staff time, consultant time (LTK)
    • Vehicle delivery delay, acceleration of activities to recover schedule may require additional engineering/inspection support

• SAFETY & SECURITY CERTIFICATION/INTEGRATED TESTING
  – Issues identified during integrated testing and safety certification may require redesign or additional construction work

• ADDITIONAL CAPITAL EQUIPMENT, SPARE PARTS NEEDS
  – Start up process may identify additional equipment, spare needs
## CONTINGENCY USAGE
Through 10/29/15 - DRAFT

<table>
<thead>
<tr>
<th>Through:</th>
<th>October 29, 2015</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Budget Category</th>
<th>Contingency Budget</th>
<th>Completed Contingency Uses</th>
<th>Pending Contingency Uses</th>
<th>Estimated Contingency Uses</th>
<th>Contingency Remaining</th>
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<tr>
<td><strong>ALLOCATED CONTINGENCY</strong></td>
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<tr>
<td>Pre-Development</td>
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<td>City Project Administration</td>
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<tr>
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<td>$ -</td>
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<tr>
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<td>$ -</td>
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<td><strong>Subtotal</strong></td>
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<td>$ 349,337.63</td>
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<td>$ 2,036,414.52</td>
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| **UNALLOCATED CONTINGENCY** |                        |                            |                          |                            |                       |
| Unallocated Contingency  | $ 4,991,010.00        | $ 1,385,418.50             | $ 223,538.00             | $ (1,133,736.64)           |                       |
| Construction             | $ 2,094,340.11       | $ 925,633.00              | $ (1,133,736.64)         |                            |                       |
| City Project Administration | $ 608,948.31 | $ 931,868.72              | $ 1,149,171.00           | $ (1,133,736.64)           |                       |
| **Subtotal**             | $ 4,991,010.00        | $ 4,043,706.92             | $ 931,868.72             | $ 1,149,171.00             | $ (1,133,736.64)      |
| Utilities (Duke Escrow)  | $ -                  | $ -                       | $ -                      | $ -                        |                       |
| **Grand Total**          | $ 9,713,111.22       | $ 6,380,055.99             | $ 1,281,206.35           | $ 1,149,171.00             | $ 902,677.88          |
## GRANT DRAWDOWN SUMMARY
Through 11/3/15

<table>
<thead>
<tr>
<th>SOURCE</th>
<th>GRANT NUMBER</th>
<th>ALI CODE</th>
<th>Description</th>
<th>Authorized</th>
<th>Drawn</th>
<th>Pending</th>
<th>Amount Remaining</th>
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<td>Urban Circulator</td>
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<td>$544,319</td>
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<td>$1,559,640</td>
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<td>12.13.20</td>
<td>Vehicles</td>
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<td>$18,551,118</td>
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<td>$6,438,880</td>
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<td>CMAQ</td>
<td>OH 95-X054</td>
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<td>Construction</td>
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<tr>
<td>Subtotal</td>
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<td></td>
<td></td>
<td>$4,000,000</td>
<td>$4,000,000</td>
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<tr>
<td>Rail ROW Grant</td>
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<tr>
<td>Subtotal</td>
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<td></td>
<td>$268,278</td>
<td>$268,278</td>
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<td></td>
</tr>
<tr>
<td>TIGER 3</td>
<td>OH 79-0002</td>
<td>12.79.00</td>
<td>City Project Admin.</td>
<td>$154,545</td>
<td>$154,545</td>
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<tr>
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<td>12.79.00</td>
<td>SORTA Project Admin.</td>
<td>$211,453</td>
<td>$34,434</td>
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<td>$177,019</td>
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<tr>
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<td>12.23.03</td>
<td>Construction</td>
<td>$15,554,000</td>
<td>$15,554,000</td>
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<td>$ (0)</td>
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<tr>
<td>Subtotal</td>
<td></td>
<td></td>
<td></td>
<td>$15,919,998</td>
<td>$15,742,980</td>
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<td>TOTAL</td>
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<td>$45,178,274</td>
<td>$38,562,376</td>
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<td>$6,615,898</td>
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</tbody>
</table>

* Budget revision on 9/16/15 moved $4.998 M from Urban Circulator ALI 12.13.20 to 12.23.03
** Drawn + Pending = 85.4% of Federal grant funds
CONSTRUCTION STATUS

**Track:**
- Complete

**OCS:**
- Complete

**Paving:**
- Complete

**Stops:**
- Complete
VEHICLES

• FAI for first vehicle conducted Oct 13-15 in Elmira

• Cincinnati Streetcar #1175 authorized to ship on Oct 27, arrived in Cincinnati on October 30, 2015
  – Dead pull test conducted Nov 8

• Vehicle production and testing continues in Elmira
  – Unit #2 - testing underway
  – Unit #3 - testing underway
  – Unit #4 - carshell assembly complete, installations in progress
  – Unit #5 - some carshell assembly complete, repair required for carshell damage

• Initial shipments of spare parts have arrived at MOF

• CAF Warranty and Testing personnel onsite in Cincinnati
  – Post delivery tests and inspections underway
VEHICLES - SCHEDULE

• Post delivery testing and inspection underway on Unit #1
  – Dead car pull test conducted Nov 8 (whole route)
  – Live car pull test scheduled for Nov 11-12 (OTR only)
• Unit #2 anticipated arrival Nov 23, 2015
• CAF-projected dates for arrival of remaining vehicles:

<table>
<thead>
<tr>
<th>Streetcar</th>
<th>Projected Arrival in Cincinnati</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit #1</td>
<td>October 30, 2015 (Act.)</td>
</tr>
<tr>
<td>Unit #2</td>
<td>November 23, 2015</td>
</tr>
<tr>
<td>Unit #3</td>
<td>December 9, 2015</td>
</tr>
<tr>
<td>Unit #4</td>
<td>January 21, 2016</td>
</tr>
<tr>
<td>Unit #5</td>
<td>February 10, 2016</td>
</tr>
</tbody>
</table>
NEXT STEPS

• CONSTRUCTION
  – MPD completing remaining CBD construction items, punch list work
    • OCS work in CBD expected to be complete early December
    • OTR, MOF punch list work in progress

• VEHICLES
  – Unit #2 expected arrival Nov 23
  – CAF continues working to close remaining open vehicle items, remaining production activities

• TESTING
  – Remaining traction power, PID testing to commence following arrival of Unit #2
  – Vehicle testing on Unit #1 to continue Nov-Jan
NEXT STEPS

- SAFETY & SECURITY CERTIFICATION
  - City, SORTA sign off on certifiable elements, plans, and procedures
  - City departments preparing SOP’s for operational responsibilities

- PRE-REVENUE SERVICE
  - Simulated revenue service
  - Operator training

- TURNOVER
  - Gradual process of turning over assets to SORTA for operations
PLANNING & OPERATIONS UPDATE
COMMUNITY INVOLVEMENT

• Communications effort has begun to shift to SORTA operations and streetcar safety

• Meeting with City departments and outside agencies and organizations to emphasize the general streetcar safety issue, the track access process, and any obligations that they may have under the OMIGA.

• Meetings with CPD, CFD, EOC, SORTA, and Cincinnati DOTE focusing primarily on emergency response, SOPS for working around the wire, training packages and communication protocols.

• Press releases and media availability for intersection closure updates
COMMUNITY INVOLVEMENT

• Continuing established involvement strategy:
  – Streetcar Hotline: (513) 352-3333
  – Monthly Construction Stakeholders Meeting
  – Email Weekly updates will transition to METRO/SORTA
  – Media alerts for all closures or other work disrupting pedestrian or vehicular traffic in coordination with RoadmapCincy
  – Personal visit by a member of the team to affected businesses and building management
  – Attendance at DCI/Police Sector Meetings
COMMUNITY INVOLVEMENT

– Streetcar website: www.cincincinnatistreetcar.com (all media and press releases)

– Bi-weekly coordination meetings with police, City Manager and communication personnel

– Monthly Construction Stakeholders Meeting
  • Rescheduled Streetcar Construction Stakeholder’s Meeting November 17, 1200 Noon, at the Library

– Monthly Riverfront Joint Operations Task Force

– Social media (twitter @Cincy_Streetcar, City of Cincinnati Facebook page
  https://www.facebook.com/CincinnatiStreetcarOFFICIAL
JOB SITE SAFETY

• Safety Oriented-To date: 891
• Safety Oriented-September: 17
• Safety Orientations-September: 6
• Total man-hours worked to date: 269,641
• Total man-hours worked without a lost time accident: 168,342
• Lost Time Accidents-To date: 3
• Lost Time Accidents-September: 0
DBE & INCLUSION

DBE Spend To Date: 16.6%

MPD reports a DBE Spend at end of August: 16.6%, same as July and below the target of 18%.

The City will continue to monitor MPD’s reporting and performance against the DBE goal and seek ways to maximize DBE spending and discuss during weekly construction progress meetings.

MPD reports that work could still on track to meet the DBE sub-contracting goal of 18% at the time of final billing, but the tallying of final quantities may show them below their goal.
DBE & INCLUSION

Workforce Inclusion Compliance

• City requirements under the contract establish workforce inclusion goals for MPD as well. The City requirements establish inclusion goals for the contractor’s aggregate workforce in Hamilton County throughout the term of the contract. The chart below summarizes hours worked on the contract (Actual) as well as the countywide workforce inclusion goals:

<table>
<thead>
<tr>
<th></th>
<th>Actual</th>
<th>Goal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minority Hours</td>
<td>18.8%</td>
<td>11.9%</td>
</tr>
<tr>
<td>Female Hours</td>
<td>3.8%</td>
<td>6.9%</td>
</tr>
<tr>
<td>Minority Female</td>
<td>68.4%</td>
<td>50.0%</td>
</tr>
</tbody>
</table>
OPERATIONS & MAINTENANCE UPDATE

NOVEMBER 2015
KEY SCHEDULE MILESTONES

October 2015 -- Ticket vending machine delivery

November 2015 – Start Integrated Testing

February 2016 – Final Vehicle Delivery

March 2016 – Ticket Vending Machines Installed

April 2016 -- Completion of civil construction

Spring 2016 -- All system turnovers complete

May/June 2016 -- Transdev mobilization, phase 2

July/August 2016 – Simulated Revenue Service

September 2016 -- Start of passenger service
SAFETY

• Safety/Security Verification
  • SSRC meeting weekly
  • FLSSC now meeting bi-weekly
  • Construction verification nearing completion
    • Punch list items

• ODOT State Safety Oversight (SSO Interaction)
  • SSO participation in all meetings
  • QRM November 19-20
  • Signing new ODOT Program Standard

• Safety / Security Readiness Review
  • Scheduled January 12-14
  • Documents due December 9
RAIL ACTIVATION

• Maintenance & Operating Facility (MOF) turnover
  • Equipment installation

• Streetcar rail activation plan
  • Revision 4
    • ODOT SSO comments
    • Designation of Integrated Testing Manager
  • Streetcar integrated test plan
    • ODOT SSO comments
    • MPD schedule
RAIL ACTIVATION

• Transdev Mobilization Status
  – Rulebook draft November 30
  – November hires
    • Office Manager
    • Transit Supervisor
    • Vehicle Maintenance Lead Foreman
    • Maintenance of Way Lead Foreman
  – December hire
    • Building Maintainer
  – Ongoing OEM training
SYSTEM INTEGRATED TEST PLAN

• Integrated Test Team
  • Subcommittee of RAC – weekly Monday @ 3:00

• Incorporation of ODOT SSO comments
  • Revision 3 to be issued week of 11/9
  • MPD / CAF schedule integration

• Upcoming Schedule Highlights
  • Dead Pull Test November 8
  • Live Wire Test November 10
“BE STREETCAR SAFE” CAMPAIGN

- Campaign kicked off with streetcar arrival
- Materials distribution
- Media interviews
- Metro/TANK bus operator training
- Video
CRITICAL ISSUES

• SOP development:
  – SORTA’s SOPs complete
  – Transdev’s SOPs underway
    • TRA / Metro Review
    – City SOPs December 2015

• First year O&M Budget under development
  – Submission to City Council February 2016

• TVM order in production -- delivery October 2015

• Trapeze CAD/AVL communications system:
  – MOF equipment installation
  – System configuration
QUESTIONS