STREETCAR STAKEHOLDERS
CONSTRUCTION AND OPERATIONS
UPDATE

November 17, 2015
RECENT DEVELOPMENTS

• Civil construction continued throughout October
  – Final trackwork completed at 2\textsuperscript{nd} & 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
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>
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</thead>
<tbody>
<tr>
<td>Unit #1</td>
<td>October 30, 2015 (Act.)</td>
</tr>
<tr>
<td>Unit #2</td>
<td>November 23, 2015</td>
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<tr>
<td>Unit #3</td>
<td>December 9, 2015</td>
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<tr>
<td>Unit #4</td>
<td>January 21, 2016</td>
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<tr>
<td>Unit #5</td>
<td>February 10, 2016</td>
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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
Cincinnati Streetcar overhead wires—Testing is underway

The Cincinnati Streetcar team is testing the overhead contact system (OCS) that will provide electrical power for the streetcars.

The wires are located 20 feet above the street to prevent contact by anything other than the streetcar vehicles.

IMPORTANT: This is a high-voltage electrical system.

- For safety's sake, always assume that the electric is ON.
- Stay at least 10 feet away from the overhead streetcar wires.
- In case of emergency, call 911 immediately.

Doing maintenance near the streetcar OCS wires:

If you are doing maintenance or other activities (using ladders or lifts, utility work, etc.) near the streetcar OCS wires, you must obtain a Right-of-Way Permit from the City of Cincinnati.

To obtain a Right-of-Way permit from the city, contact:

DOT E ROW Management Office
801 Plum St., Suite 425
Cincinnati, OH 45202
513-352-3463
513-352-5397 (fax)
Monday to Friday, 8 a.m. to 4 p.m.

www.facebook.com/CincinnatiStreetcarOFFICIAL
@cincy_streetcar
www.cincinnatistreetcar.com
Streetcar Construction Hotline 513-352-3333
Cincinnati Streetcar – Working Near Overhead Catenary Cable Request Form

Company Name ___________________________________________________________

Location of Work __________________________________________________________

Permit Number (City Use) _________________________________________________

1. Is Any Permit Work being applied for within the Figure 1-Vehicle and Power Envelope Attached, even for a moment? (Yes / No) – circle one

   NOTE: If there are any questions about the process or permissible activities, the Permittee should contact Mike King, MPD, (513) 615-6715; mking@messer.com

   Answer yes to this question if permit work within the envelope any construction activity, including installation, excavation, lay down, placement, repair, upgrade, maintenance, inspection or relocation of facilities, whether temporary or permanent; modification or alteration to any surface, subsurface, or aerial space. PAY SPECIAL CONSIDERATION TO LOCATION OF DELIVERIES, DUMPSTERS, AND LIFTS.

   If the answer to Question 1 is Yes go to question 2, if No the form is complete.

2. If the answer to Question 1 is Yes, will the only violation of the Figure 1-Vehicle and Power Envelope be temporary passing through for work described above (e.g. for deliveries)? (Yes / No) – circle one

   Please fill out the remainder of this form. You will need a Track Access Permit prior to start of work.

   Description of Work (Permittee):

   ________________________________________________________________

   ________________________________________________________________

   Equipment being used near overhead cable (Permittee):

   ________________________________________________________________

   Contact Person (name, phone #, e-mail address) that will Responsible for Work in Envelope (Permittee):

   ________________________________________________________________

3. Return this form to DOT/ROW Management staff for processing with requested permit.

   ** Note, NO WORK is permitted within 10’ of the overhead catenary system (OCS). This line is energized/electrified and will not be shut down for work. **

   THIS SECTION TO BE COMPLETED AFTER WORK IS CLOSED OUT

   Any Contact with Overhead Catenary While Work/Activity was Performed (MPD Use):

   ________________________________________________________________

   Permittee Called to Report Completion of Work/Activity (MPD Use):

   Name: ___________________________ Date / Time: ______________________

   MPD 10/15
FIGURE 1 Vehicle and Power Envelope Diagram
Next up, SORTA/METRO talks about operations.

Questions on construction?