



C I N C I N N A T I
STREETCAR™

MONTHLY REPORT

November 2015

REFERENCES

- For background information on the Cincinnati Streetcar, please go to <http://www.cincinnati-oh.gov/streetcar/>
- For previous months' reports, please go to <http://www.cincinnati-oh.gov/streetcar/documents-references/>
- For an archive of weekly progress updates, please go to <http://www.cincinnati-oh.gov/streetcar/news/>



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ACRONYMS

CFD	Cincinnati Fire Department
CPD	Cincinnati Police Department
CBD	Central Business District
DBE	Disadvantaged Business Enterprises
FAI	First Article Inspection
FLSSC	Fire Life Safety and Security Committee
FTA	Federal Transit Administration
MOF	Maintenance And Operations Facility
MPD	Messer, Prus, Delta Rail Joint Venture
OCS	Overhead Contact System
ODOT	Ohio Department of Transportation
OUPS	Ohio Utility Protection Service
PMOC	Project Management Oversight Consultant (FTA's)
SORTA	Southwest Ohio Regional Transit Authority
SSRC	Safety and Security Review Committee
TANK	Transit Authority of Northern Kentucky
TPSS	Traction Power Substation
TVM	Ticket Vending Machine
WTM	Wheel Truing Machine

1.0. PROGRESS SUMMARY



Streetcar #1175 moving down Race St. during first live wire test

1.0. PROGRESS SUMMARY

- Civil construction punch list and completion activities continued throughout November
 - Contract construction is 100% complete with minor exceptions and punch list
 - OCS adjustments continued in CBD
 - Utility work by utility providers and under MPD contract 99% complete
- Cincinnati Streetcar #1175 (Unit #1) arrived in Cincinnati on Oct 30
- Cincinnati Streetcar #1176 (Unit #2) arrived in Cincinnati on Nov 24
- Initial testing activities began in OTR
- Remaining vehicle production continues at CAF Elmira, NY plant
 - Unit #3 - routine testing
 - Units #4, 5 - assembly underway



1.1. PROGRESS SUMMARY

- MPD Construction Contract Milestone Dates:

Milestone	Original Contract Dates (Bid Docs)	Change Order #1	Change Order #5
OTR Loop & MOF Substantial Completion	June 15, 2014		
3000 ft. Test Track & MOF Substantial Completion	July 15, 2014	March 1, 2015	March 21, 2015
Substantial Completion of OTR Loop	March 1, 2015	June 29, 2015	July 19, 2015
Substantial Completion of All Work	October 1, 2015	March 15, 2016	April 4, 2016
Revenue Service	April 2, 2016	September 15, 2016	September 15, 2016

- CAF Contract Modification #2 (executed on August 1):

Milestone	Contractual Late Date
Contractual Delivery of 1st Car	September 17, 2015
Contractual Delivery of 2nd Car	October 17, 2015
Contractual Delivery of 3rd Car	November 17, 2015
Contractual Delivery of 4th Car	November 17, 2015
Contractual Delivery of 5th Car	December 17, 2015

2.1. NOVEMBER 2015 CIVIL CONSTRUCTION SCHEDULE SUMMARY

ID	Description	Original Duration	Start	Finish	Area	2015													
						Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep				
Elm/ 12th to Henry																			
1	MOT/Road Removal/Trackwork Start	1	09/16/13A	09/16/13A	Elm/ 12th to Henry														
2	Track/Road Complete	1	01/09/14A	01/09/14A	Elm/ 12th to Henry														
Race/ Elder to 12th																			
3	MOT/Road Removal/Trackwork Start	1	12/26/13A	12/26/13A	Race/ Elder to 12th														
4	Track/Road Complete	1	04/01/14A	04/01/14A	Race/ Elder to 12th														
Central/ Race to Main																			
5	MOT/Road Removal/Trackwork Start	1	03/24/14A	03/24/14A	Central/ Race to Main														
6	Track/Road Complete	1	06/18/14A	06/18/14A	Central/ Race to Main														
12th/ Main to Elm																			
7	MOT/Road Removal/Trackwork Start	1	04/21/14A	04/21/14A	12th/ Main to Elm														
8	Track/Road Complete	1	07/17/14A	07/17/14A	12th/ Main to Elm														
OTR Turns and Diamond																			
11	MOT/Road Removal/Trackwork Start	1	06/30/14A	06/30/14A	OTR Turns and Diamond														
12	Track/Road Complete	1	08/13/14A	08/13/14A	OTR Turns and Diamond														
MOF Area Turn Outs																			
9	MOT/Road Removal/Trackwork Start	1	08/28/14A	08/28/14A	MOF Area Turn Outs														
10	Track/Road Complete	1	12/31/14A	12/31/14A	MOF Area Turn Outs														
Walnut/Central to 2nd																			
13	MOT/Road Removal/Trackwork Start	1	08/11/14A	08/11/14A	Walnut/Central to 2nd														
14	Track/Road Complete	1	05/18/15A	05/18/15A	Walnut/Central to 2nd														
2nd Street and Bridges																			
15	MOT/Road Removal/Trackwork Start	1	09/02/14A	09/02/14A	2nd Street and Bridges														
16	Track/Road Complete	1	11/05/15A	11/05/15A	2nd Street and Bridges														
Main/2nd to 12th																			
17	MOT/Road Removal/Trackwork Start	1	03/30/15A	05/01/15A	Main/2nd to 12th														
18	Track/Road Complete	1	09/24/15A	09/24/15A	Main/2nd to 12th														
OTR																			
20	3000' Test Track	0		03/20/15A	OTR														
25	MOF Complete	0		03/20/15A	OTR														
30	Power and Stations - OTR	0		07/17/15A	OTR														
CBD																			
50	Power, Stations, Paving, and Closeout - CBD	0		04/04/16	CBD														
60	Pay Service Available	0		09/30/16	CBD														

Start Date: 01/01/13
 Finish Date: 09/30/16
 Data Date: 12/01/15
 Run Date: 12/15/15

Cincinnati Streetcar
 Contract # 121C009060
 December 1, 2015 - Project Schedule



2.2 TRACKWORK & ASSOCIATED CONSTRUCTION



Verifying construction tolerances for gap between streetcar and platform

2.3 MAINTENANCE & OPERATIONS FACILITY



Streetcar #1175 on the narrow pit at the MOF after testing

2.3 MAINTENANCE & OPERATIONS FACILITY



Adjusting the OCS in the wide pit at the MOF with wheel truing machine in foreground

2.4 UTILITY WORK

Utility work, including street and sidewalk is wrapping up:

- Duke Electric 99% complete
- Duke Gas 99% complete
- Cincinnati Bell 99% complete
- Water 99% complete
- Level 3 100% complete
- Chilled Water 100% complete
- Time Warner Cable 99% complete
- MSD (Sewer) 95% complete



2.4 UTILITY WORK



Adjusting the video actuator for the streetcar priority signal on Race St. at Findlay market

2.4 UTILITY WORK



Pantograph/OCS test trailer

2.4 UTILITY WORK

- Nov 25 - Ohio 1st District Court of Appeals affirmed Hamilton County Court of Common Pleas decision that City is liable for Duke relocation costs
 - Opinion concludes that the relocation costs associated with the Cincinnati Streetcar are part of an economic development project and not the exercise of its police powers to promote the general welfare.
- City Solicitor anticipates filing appeal with Ohio Supreme Court
 - Appeal due in early January
 - Upon filing, typically 2-4 months for OSC to decide whether to take the case
 - If accepted, will be argued and determined in late 2016
- Costs are not determined as part of the decision
 - City's outside consultants still working to get final cost info from Duke



2.5 COMMUNITY INVOLVEMENT



Streetcar Safety and Familiarization Training for City Departments

2.5 COMMUNITY INVOLVEMENT

- Communications effort has broadened out to include internal stakeholders at both the City and SORTA
- The external involvement effort has begun to shift to messaging SORTA operations and streetcar safety
- Through FLS and every other opportunity, the team continues to dialog 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.
- Through FLS and internal meetings, the team continues to focus on specific emergency response, SOPS for working around the wire, training packages and communication protocols with CPD, CFD, EOC, Public Services, SORTA, and Cincinnati DOTE.
- Press releases and media availability continue for all testing with traffic alerts. Those have generated considerable interest.

2.5 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

2.5 COMMUNITY INVOLVEMENT

- Streetcar website: www.cincinnati-streetcar.com (all media and press releases – hosting transitioning to SORTA)
- Bi-weekly coordination meetings with police, City Manager and communication personnel wrapping up with completion of construction
- Monthly Construction Stakeholders Meeting
 - Next Streetcar Construction Stakeholder's Meeting December 9, 9am, at the Aronoff Center for the Arts
- Monthly Riverfront Joint Operations Task Force
- Social media (twitter @Cincy_Streetcar, City of Cincinnati Facebook page
<https://www.facebook.com/CincinnatiStreetcarOFFICIAL>

2.6 MPD BILLINGS – NOVEMBER 2015 REPORT

Bid Form Section	Total	Prev. Incurred	Oct. (Net ret)
Behind the Curb Work	\$1,456,894	\$111,086	\$36,902
Central Parkway Median	\$116,455	\$120,736	\$0
Civil, Roadway and Drainage	\$10,445,950	\$9,418,594	\$286,917
Communication System	\$1,228,959	\$517,832	\$99,503
Corrosion Control	\$354,682	\$319,214	\$3,547
Misc. Items	\$5,075,000	\$4,181,223	\$193,650
MOF Civil and Track	\$3,170,177	\$3,117,763	\$0
MOF	\$8,744,492	\$8,623,554	\$5,385
OCS Mainline	\$5,502,798	\$5,236,064	\$93,934
Signal System Streetcar	\$669,588	\$669,588	-\$220
Streetcar Stop Shelters and Sitework	\$2,243,714	\$2,040,343	\$66,817
Trackwork on Grade	\$13,018,686	\$13,004,932	-\$26,199
Trackwork on Structures	\$2,950,663	\$2,715,257	\$276,602
Traction Power	\$6,566,003	\$5,977,625	\$67,349
Traffic Signals and Lighting	\$4,793,179	\$4,114,913	\$39,947
Water Main - Main Street	\$2,508,352	\$2,385,966	\$0
Water Main - Walnut Street	\$2,046,457	\$1,780,106	\$0
CO#1	\$492,933	\$310,674	\$0
CO#2	\$100,000	\$52,861	\$0
CO#3	\$359,745	\$486,750	\$7,000
CO#4	\$265,211	\$170,514	\$0
CO#5	\$637,108	\$637,108	\$0
CO#6	\$313,782	\$128,782	\$0
CO#7	\$67,630	\$62,984	\$0
CO#8	\$19,974	\$194,744	\$0
CO#9	\$176,923	\$169,246	\$7,677
CO#10	\$135,272	\$0	\$0
Totals:	\$73,460,628	\$66,548,459	\$1,158,811

3.0 VEHICLES

- Cincinnati Streetcar #1175 arrived in Cincinnati on Oct 30, 2015
- Cincinnati Streetcar #1176 arrived in Cincinnati on Nov 24, 2015
- Vehicle production and testing continues in Elmira
 - Unit #3 - testing underway
 - Unit #4 - carshell assembly complete , installations in progress
 - Unit #5 - some carshell assembly complete, repair required for carshell damage
- Dead car pull test (1175) held Nov 9 (whole route)
- Live car pull test (1175) held Nov 11 (OTR only)
 - Some breaker tripping issues required correction by MPD/C3M
- Live wire car test (1175) scheduled for Dec 1-2 (OTR/CBD)

3.1 VEHICLES - SCHEDULE

- Post delivery testing and inspection underway on Unit #1 & 2
- Unit #3 expected before end of CY 2015, may postpone until after holiday break
- CAF-projected dates for arrival of remaining vehicles as of October 23 (CAFCIN 1218)

Streetcar	Oct 23 Proposed Update
Unit #2	9-Dec-15
Unit #4	21-Jan-16
Unit #5	10-Feb-16

3.2 DESIGN, PRODUCTION, TESTING ACTIVITIES



Unit #2, Streetcar # 1176, ready to leave Elmira on custom Silk Road low-boy

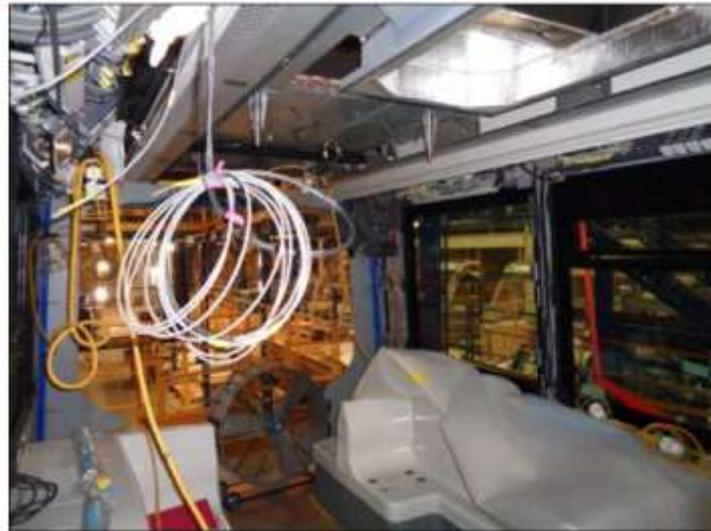
3.2 DESIGN, PRODUCTION, TESTING ACTIVITIES



Unit #3 interior installation



Unit #4 undergoing HVAC testing



Unit #5 interior wiring

3.2 DESIGN, PRODUCTION, TESTING ACTIVITIES



Unit #2, Streetcar #1176, arrival - Nov 24, 2015

3.2 DESIGN, PRODUCTION, TESTING ACTIVITIES



3.2 DESIGN, PRODUCTION, TESTING ACTIVITIES



#1175 moves out of the MOF for live-wire testing- Nov. 16, 2015

3.2 DESIGN, PRODUCTION, TESTING ACTIVITIES



4.0 BUDGET & EXPENDITURES

- Through November 30, 2015:
 - \$118,276,910 has been expended on the project (not including Duke escrow)
 - \$25,447,851 remains encumbered against open contractual obligations on the project
- Major Contract Activity:
 - 11 change orders to the MPD construction contract have been issued totaling \$2,573,011
 - Two change orders to the CAF vehicle contract have been issued totaling \$0
 - See Appendix A for breakout of Contingency Usage



4.1 BUDGET VS. EXPENSES

Through 11/30/15 - DRAFT

BUDGET - June 2013		EXPENSES 11/30/2015		
Budget Category	Base + Allocated Contingency	Expended	Encumbered	Expend. + Encumb.
Pre-Development	\$ 1,313,786.00	\$ 1,264,628.13	\$ 49,157.87	\$ 1,313,786.00
Design	\$ 14,598,719.00	\$ 14,313,044.86	\$ 19,571.85	\$ 14,332,616.71
Real Estate	\$ 2,010,143.00	\$ 2,011,186.00	\$ -	\$ 2,011,186.00
Construction	\$ 52,511,908.33			
MOF	\$ 11,914,668.98			
Utilities (Project)	\$ 6,958,405.62	\$ 64,751,922.32	\$ 6,633,060.61	\$ 71,384,982.93
Utilities (3rd Party)	\$ 6,225,065.37	\$ 2,574,494.38	\$ 3,092,363.76	\$ 5,666,858.14
Vehicles	\$ 25,213,095.40	\$ 10,628,992.93	\$ 13,322,927.57	\$ 23,951,920.50
Fare Vending	\$ 550,000.00	\$ -	\$ -	\$ -
City Project Administration	\$ 4,441,476.27	\$ 3,367,026.82	\$ 260.00	\$ 3,367,286.82
SORTA Project Administration	\$ 2,100,000.00	\$ 1,131,332.90	\$ 868,667.10	\$ 2,000,000.00
Start-up	\$ 250,000.00	\$ -	\$ -	\$ -
Unallocated Contingency	\$ 4,991,010.00	\$ 3,234,281.76	\$ 1,461,842.87	\$ 4,696,124.63
Subtotal	\$ 133,078,277.97	\$ 103,276,910.10	\$ 25,447,851.63	\$ 128,724,761.73
Utilities (Duke Escrow)	\$ 15,000,000.00	\$ 15,000,000.00	\$ -	\$ 15,000,000.00
Grand Total	\$ 148,078,277.97	\$ 118,276,910.10	\$ 25,447,851.63	\$ 143,724,761.73

* *Construction* Expenditures include \$2.938 Million in unreleased retainage on MPD contract .
Vehicle Expenditures include \$410,344 in unreleased retainage on CAF contract

4.2 RISK/CONTINGENCY ITEMS

- CONSTRUCTION
 - Unforeseen conditions/design issues
 - Underground and overhead utility and structures conflicts
- VEHICLES
 - Additional staff time, consultant time (LTK)
 - Vehicle delivery delay, acceleration of activities to recover schedule may require additional engineering/inspection support
 - Construction delay
 - If significant, vehicle delay could impact construction testing schedule to the point construction delays occur
- SAFETY & SECURITY CERTIFICATION/INTEGRATED TESTING
 - Issues identified during integrated testing and safety certification may require redesign or additional construction work



4.3 CONTINGENCY USAGE

Through 12/3/15

Budget Category	Contingency Budget	Completed Contingency Uses	Pending Contingency Uses	Estimated Contingency Uses	Contingency Remaining
ALLOCATED CONTINGENCY					
Pre-Development	\$ -	\$ -			\$ -
Design	\$ 202,370.96	\$ -			\$ 202,370.96
Real Estate	\$ -	\$ -			\$ -
Construction					
MOF	\$ 2,000,000.00	\$ 1,482,305.32	\$ 134,920.00	\$ -	\$ 382,774.68
Utilities (Project)					
Utilities (3rd Party)	\$ 77,207.23	\$ -			\$ 77,207.23
Vehicles	\$ 2,101,722.40	\$ 977,100.75			\$ 1,124,621.65
Fare Vending	\$ 50,000.00	\$ -			\$ 50,000.00
City Project Administration	\$ 190,800.63	\$ -	\$ 190,800.63		\$ -
SORTA Project Administration	\$ 100,000.00	\$ -			\$ 100,000.00
Start-up	\$ -	\$ -			\$ -
Subtotal	\$ 4,722,101.22	\$ 2,459,406.07	\$ 325,720.63	\$ -	\$ 1,936,974.52
UNALLOCATED CONTINGENCY					
Unallocated Contingency		\$ 1,385,418.50		\$ 223,538.00	
Construction	\$ 4,991,010.00	\$ 2,021,100.11		\$ 855,213.00	\$ (1,035,076.64)
City Project Administration			\$ 931,868.72		
Design		\$ 608,948.31			
Subtotal	\$ 4,991,010.00	\$ 4,015,466.92	\$ 931,868.72	\$ 1,078,751.00	\$ (1,035,076.64)
Utilities (Duke Escrow)	\$ -				\$ -
Grand Total	\$ 9,713,111.22	\$ 6,474,872.99	\$ 1,257,589.35	\$ 1,078,751.00	\$ 901,897.88

4.4 GRANT DRAWDOWN SUMMARY

Through 11/30/15

SOURCE	GRANT NUMBER	ALI CODE	Description	FEDERAL SHARE			
				Authorized	Drawn	Pending	Amount Remaining
Urban Circulator	OH-03-0303	12.79.00	City Project Admin.	\$ 1,453	\$ 1,453	\$ -	\$ -
		12.79.00	SORTA Project Admin.	\$ 1,388,545	\$ 844,226	\$ 32,900	\$ 511,419
		12.23.03	Construction	\$ 12,598,000	\$ 11,038,360	\$ 1,333,470	\$ 226,170
		12.13.20	Vehicles	\$ 11,002,000	\$ 6,667,079	\$ 939,767	\$ 3,395,154
Subtotal				\$ 24,989,998	\$ 18,551,118	\$ 2,306,137	\$ 4,132,743
CMAQ	OH 95-X054	12.23.03	Construction	\$ 4,000,000	\$ 4,000,000	\$ -	\$ -
Subtotal				\$ 4,000,000	\$ 4,000,000	\$ -	\$ -
Rail ROW Grant	OH-90-X265	13.73.00	Contingency	\$ 268,278	\$ 268,278	\$ -	\$ -
Subtotal				\$ 268,278	\$ 268,278	\$ -	\$ -
TIGER 3	OH 79-0002	12.79.00	City Project Admin.	\$ 154,545	\$ 154,545	\$ -	\$ (0)
		12.79.00	SORTA Project Admin	\$ 211,453	\$ 34,434	\$ -	\$ 177,019
		12.23.03	Construction	\$ 15,554,000	\$ 15,554,000	\$ -	\$ (0)
Subtotal				\$ 15,919,998	\$ 15,742,980	\$ -	\$ 177,018
TOTAL				\$ 45,178,274	\$ 38,562,376	\$ 2,306,137	\$ 4,309,761

* Budget revision on 9/16/15 moved \$4.998 M from Urban Circulator ALI 12.13.20 to 12.23.03

** Drawn + Pending = 90.5% of Federal grant funds



5.0. JOB SITE SAFETY



Safety and coordination briefing prior to live wire testing

5.0. JOB SITE SAFETY

Safety Oriented-To date: 905

Safety Oriented-November: 4

Safety Orientations-November: 1

Total man-hours worked to date: 282,633

Total man-hours worked without a lost time accident: 181,207

Lost Time Accidents-To date: 3

Lost Time Accidents-November: 0

Incidents-To date: 165

Incidents-November: 1

6.0 SORTA ACTIVITIES



SORTA's contractor TRANSDEV's staff providing safety training to City departments

6.1. STREETCAR SYSTEM TURNOVER

- SORTA staff are monitoring the streetcar construction schedule.
- Discussions will be held with the City regarding any early turnovers that may be required as a result of early construction finish and determining the cost and schedule implications.
- SORTA and Transdev staff continue to receive OEM operations and maintenance training on the various systems. These include track turnout training, vehicle lift training, MOF air compressor training and other training. A “train the trainer” approach is utilized, with key Transdev staff receiving the training which will be developed into a master training program for subsequent hires and ongoing trainings.



6.2. OPERATIONS & MAINTENANCE PLANNING

- Transdev submitted the second and third round of standard operating procedures (SOPs). A final round of SOPs will address unusual operating conditions, but generally all major SOPs are complete.
- SORTA and Transportation Resource Associates continue to review the SOPs. SORTA SOPs are complete. The City of Cincinnati SOPs are under development.
- The Operating Rulebook draft has been submitted by Transdev and is under review.
- The Streetcar Integrated Test Plan has been updated and is under review by TRA prior to submittal to FTA and ODOT/SSO.



6.3. FARE EQUIPMENT

- Testing of the Ticket Vending Machine units has begun.
- An evaluation is underway by Metro regarding system-wide introduction of contactless smart cards and what the impact would be on streetcar operations. The TVM units that were procured already are provisioned for this media. Installation of the TVM units remains on schedule for March 2015 by MPD.



6.4. RAIL ACTIVATION

- The SORTA Rail Activation Committee (RAC) continues to meet bi-weekly. Major issues include the configuration of the ticket vending machines, commissioning and set-up of the radio communications, and dispatch equipment.
- The Integrated Test Team (ITT) has been established as a subcommittee of the RAC. It will meet weekly during the integrated testing phase of the start-up. Participation includes SORTA, the City (including the City Integrated Test Manager) and all City and SORTA contractors and ODOT (SSO).



6.5. SAFETY & SECURITY CERTIFICATION

- The Vehicle Design Audit documentation has been completed and will be reviewed by the SSRC.
- The Fire Life Safety and Security Committee is meeting bi-weekly. A supplemental FLSSC meeting was held and the Project Safety Officer led the group through a tabletop exercise. This scenario based discussion assisted the team in identifying areas to sharpen safety protocols during the testing phase including coordination between the City/Metro project team and the first responders including CFD, CPD and the Emergency Communications Center.
- Additional security protocols have been implemented to address unauthorized access to facilities or the streetcar vehicles during testing.



6.5. SAFETY & SECURITY CERTIFICATION

- Transportation Resource Associates visited Cincinnati to provide several briefings regarding integrated testing to the project team, and to do an on-site review of procedures for the integrated testing program.
- Additionally TRA assisted SORTA in preparations for the upcoming FTA Safety and Security Readiness Review (SSRR). Documentation is due to FTA December 9 and the review will be conducted on-site in Cincinnati the second week of January.
- ODOT conducted their quarterly review meeting in Cincinnati in November. Additionally a pre-coordination meeting with ODOT regarding the upcoming SSRR and a technical inspection of streetcar assets and the vehicle was conducted.



6.6. ADVERTISING / SPONSORSHIPS

- The SORTA streetcar advertising vendor, Cincinnati-based Ad Vehicles, has inspected the streetcar vehicle in preparation for ad sales.



6.7. MARKETING / EDUCATION

- The “Be(e) Streetcar Safe” campaign continues with staff rolling out additional collateral pieces regarding safety around the overhead power contact system and access to the streetcar for the disabled.
- The commencement of the testing program provided opportunities for additional media discussion of key safety messages.
- Metro staff is tracking all City and SORTA meetings where safety is presented to the public as part of the campaign.
- The first Metro Streetcar stakeholders meeting will occur in December with assistance from the City.



6.8. UPCOMING SORTA BOARD OF TRUSTEES ACTIONS

- ~~Award of contract for Streetcar Operations & Maintenance Services and associated agreements (anticipated July 2015).~~ **APPROVED**
- Approval of contract between SORTA and Downtown Cincinnati Improvement District governing streetcar operations and maintenance funding from the Voluntary Tax Incentive Contribution Agreement (VTICA) (anticipated ~~November 2015~~ January 2016);
- Approval of Fare and Service Equity Analysis/Title VI review including public hearings and any associated service changes (February 2016);
- Approval of revised Streetcar Operating Hours (February 2016);
- Approval of draft Streetcar First Year Operations and Maintenance Budget and Authorization to transmit to Cincinnati City Council



6.9. STREETCAR VEHICLE

- The second streetcar vehicle, #1176, was delivered to the MOF at 1927 Race Street on November 24. Metro contractor Transdev provided the movement of the vehicle from outside the MOF on the rails on Race Street to inside the building through their subcontractor Schaffer's Towing.
- Subsequent streetcar unloadings will utilize another streetcar for the movement into the MOF. The unloading and move was completed safely and securely, with no interface or clearance issues.
- Streetcar #1175 was moved onto track #2 in the MOF, which was the first time clearances and interfaces could be checked, particularly as it relates to the wheel truing machine. No major issues were identified.



6.10. STREETCAR VEHICLE

- SORTA staff and Transdev continue to work with the City and CAF USA on critical start-up issues such as delivery schedules for spare parts, special tools and scheduling training.
- Transdev and SORTA staff received a week long in-depth operator training class from CAF consultant Geminys.



6.11. WHEEL TRUING MACHINE

- A visit from Delta finalized the installation of the WTM.
- Some cross bracing on the machine, safety signage, repair of minor was installed and shipping damage and final preparations were made prior to electric bonding.
- The machine is complete and commissioned, testing and training will be scheduled in late January.



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:

Minority & Female Utilization		
	<u>Actual</u>	<u>Goal</u>
Minority Hours	18.7%	11.9%
Female Hours	3.7%	6.9%
Minority Female	68.2%	50.0%

8.0 FEDERAL OVERSIGHT ACTIVITIES

- All activities undertaken by the project have to date met Federal Transit Administration rules and regulations.
- The City and SORTA each have responsibility for ensuring that the project adheres to FTA guidelines governing such areas as procurement, project management, financial management, operations and maintenance, Buy America, and safety and security certification.
- Project staff responded to various requests for information from FTA and the PMOC throughout the reporting period.
- The next Quarterly Review Meeting will take place in Cincinnati on December 2, 2015.
- The November monthly meeting/teleconference with the FTA Regional Office, SORTA, the City and the PMOC took place on November 6, 2015.
- No significant action items resulted from the meeting.



Appendix B
Change Orders, Contingency Allocations

Through: December 10, 2015

ID	Budget Category	Source	Contract	Contingency Usage Type	Contingency Usage #	Date	Description	Status	AMOUNT (12/3/15)
1	Construction	Base	MPD	Change Order	1	8/2/2013	Labor, bonding, and materials costs associated with delay in contract NTP date.	Complete	\$ 492,933.00
2	Construction	Unallocated Contingency	MPD	Change Order	2	1/14/2014	Delay costs appropriated by City Council for Council-mandated "pause"	Complete	\$ 100,000.00
3	Construction	Unallocated Contingency	MPD	Change Order	3	1/28/2014	Adds for additional potholing and prevailing wage; credits for sewer manhole redesign and removal of communication conduits	Complete	\$ 359,745.00
4	Construction	Allocated Contingency	MPD	Contingency Allocation	1	11/8/2013	Empty conduit crossings; non-perform test station	Complete	\$ 15,791.64
5	Construction	Allocated Contingency	MPD	Contingency Allocation	2	11/8/2013	GCWW field conditions	Complete	\$ 3,571.00
6	Construction	Allocated Contingency	MPD	Contingency Allocation	3	12/30/2013	Mortar for granite pavers	Complete	\$ 6,825.00
7	Construction	Allocated Contingency	MPD	Contingency Allocation	4	12/30/2013	Additional abatement at MOF site	Complete	\$ 32,290.65
8	Construction	Allocated Contingency	MPD	Contingency Allocation	5	1/30/2014	Cast iron detectable warning; add. Geopters; dielectric membrane; MOF conditions, others	Complete	\$ 31,309.00
9	Unallocated Contingency	Unallocated Contingency	Theien	Certification	N/A	10/21/2013	Materials testing	Complete	\$ 108,594.50
10	Unallocated Contingency	Unallocated Contingency	KPMG	Certification	N/A	12/11/2013	City Council-mandated audit costs	Complete	\$ 250,000.00
11	Unallocated Contingency	Unallocated Contingency	Transystems	Certification	N/A	8/30/2013	Schedule review support	Complete	\$ 60,728.00
12	Construction	Unallocated Contingency	MPD	Change Order	4	4/7/2014	Revised underground conduit crossings: revised OCS poles; revised Trapeze allowance; MOF vehicle APS changes;	Complete	\$ 265,211.25
13	Construction	Unallocated Contingency	MPD	Change Order	5	4/21/2014	City Council-mandated Delay Claim	Complete	\$ 637,108.00
14	Design	Unallocated Contingency	PB	Certification	N/A	8/25/2014	Additional construction support work needed	Complete	\$ 608,948.31
15	Construction	Unallocated Contingency	MPD	Change Order	6	7/22/2014	Water Works design changes	Complete	\$ 313,782.44
16	Construction	Allocated Contingency	MPD	Contingency Allocation	6	4/24/2014	Misc. MOF mods, telecomm conduit for MOF, GCWW force acct., Cent. Pkwy, Irrigation	Complete	\$ 79,870.00
17	Construction	Allocated Contingency	MPD	Contingency Allocation	7	5/9/2014	WTM conduit; Findlay dielectric membrane; Elm St. mill	Complete	\$ 52,503.00
18	Unallocated Contingency	Unallocated Contingency	Transystems	Certification	N/A	7/22/2014	Task 4 - Schedule review support through MOF completion	Complete	\$ 68,854.00
19	Unallocated Contingency	Unallocated Contingency	Duke Energy	Certification	N/A	7/31/2014	Electrical service installation costs	Complete	\$ 200,000.00
20	Construction	Allocated Contingency	MPD	Contingency Allocation	8	7/22/2014	basement encroachment, cellar door, GCWW force acct., manhole mods	Complete	\$ 130,151.00
21	Construction	Allocated Contingency	MPD	Contingency Allocation	9	10/1/2014	various MOF, sewer, GCWW, other revisions,	Complete	\$ 301,038.40
22	Construction	Allocated Contingency	MPD	Contingency Allocation	10	11/17/2014	Contingency Allocation #10	Complete	\$ 210,137.50
23	Unallocated Contingency	Unallocated Contingency	DELTA Mfg.	Certification	N/A	11/17/2014	Wheel Truing Machine	Complete	\$ 606,000.00
24	Construction	Allocated Contingency	MPD	Contingency Allocation	N/A	TBD	Submitted EC's from MPD	Pending	\$ 101,827.00
25	Construction	Allocated Contingency	MPD	Contingency Allocation	N/A	TBD	Estimated EC's from MPD	Pending	\$ 33,093.00
26	Construction	Allocated Contingency	MPD	Contingency Allocation	N/A	TBD	TPSS# 2 and 3 screenwall changes	Estimated	
27	Construction	Unallocated Contingency	MPD	Change Order	N/A	TBD	Spare Switch Points	Estimated	\$ 42,268.00
28	Construction	Unallocated Contingency	MPD	Change Order	N/A	TBD	MOF Cameras, TPSS Wiring	Estimated	\$ 129,539.00
29	City Project Administration	Unallocated Contingency	City	Certification	N/A	TBD	City- Additional Staff Time	Pending	\$ 931,868.72
30	City Project Administration	Allocated Contingency	City	Certification	N/A	TBD	City- Additional Staff Time	Pending	\$ 190,800.63
31	Construction	Unallocated Contingency	MPD	Change Order	N/A	TBD	MOF Telecomm wiring	Estimated	
32	Construction	Allocated Contingency	MPD	Contingency Allocation	N/A	TBD	Ford Force Account	Estimated	
33	Vehicles	Allocated Contingency	LTK	Certification	N/A	TBD	LTK - Additional Staff Time	Complete	\$ 977,100.75

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Change Orders, Contingency Allocations

Through: December 10, 2015

ID	Budget Category	Source	Contract	Contingency Usage Type	Contingency Usage #	Date	Description	Status	AMOUNT (12/3/15)
34	Unallocated Contingency	Unallocated Contingency	Duke Energy	Certification	N/A	TBD	Duke hookup costs/utilities	Estimated	\$ 130,000.00
35	Construction	Unallocated Contingency	MPD	Change Order	N/A	TBD	Additional Quantities Needed	Estimated	\$ 525,000.00
36	Unallocated Contingency	Unallocated Contingency	TBD	Certification	N/A	TBD	Misc. MOF fit out needs, WTM mods	Estimated	\$ 93,538.00
37	Construction	Unallocated Contingency	TBD	Certification	N/A	TBD	Bike Racks, pervious concrete	Estimated	
38	Unallocated Contingency	Unallocated Contingency	Transystems	Certification	Task 5	2/12/2015	Schedule review support Task 5	Complete	\$ 71,242.00
39	Construction	Allocated Contingency	MPD	Contingency Allocation	11	1/7/2015	Partial depth repair, handrail on Race, misc. items	Complete	\$ 56,592.02
40	Construction	Unallocated Contingency	MPD	Change Order	7	3/18/2015	Lifting Jacks settlement, Owner-supplied Equipment mod., TPSS negative drainage conduit	Complete	\$ 67,630.00
41	Construction	Unallocated Contingency	MPD	Change Order	TBD	TBD	Station Stop mods for TVM installation	Estimated	\$ 138,406.00
42	Unallocated Contingency	Unallocated Contingency	TBD	TBD	TBD	TBD	12th & Race Overhead Light modification	Estimated	
43	Construction	Unallocated Contingency	MPD	Change Order	8	3/20/2015	TPSS Screenwall changes	Complete	\$ 19,973.66
44	Construction	Allocated Contingency	MPD	Contingency Allocation	12	TBD	MOF prox readers, wayside power changes Ford FA, Type 3 waterproofing, other misc. field issues	Complete	\$ 267,924.00
45	Unallocated Contingency	Unallocated Contingency	Thelen	Certification	N/A	3/24/2015	Additional materials testing	Complete	\$ 20,000.00
46	Construction	Unallocated Contingency	MPD	Change Order	N/A	TBD	Central Parkway /Walnut OCS conflicts	Estimated	\$ 20,000.00
47	Construction	Unallocated Contingency	MPD	Contingency Allocation	N/A	TBD	Traffic Boom Arm Bolt Pattern conflict	Complete	\$ -
48	Construction	Allocated Contingency	MPD	Contingency Allocation	13	TBD	special concrete finishing on Main, wayfinding on 2nd, MOF tread ladder, Oil/Water separator, additional sewer manhole, ped pole mods, Ford FA through Jan 2015	Complete	\$ 120,408.11
49	Construction	Allocated Contingency	MPD	Contingency Allocation	14	TBD	capped manhole, utility conflict modification, subway OCS survey, Ford FA, various MOF design errors, shelter damage	Complete	\$ 50,837.00
50	Construction	Unallocated Contingency	MPD	SORTA IGA Amend #6	N/A	6/19/2015	MOF office equipment, Trapeze Wireless LAN	Complete	\$ 76,293.76
51	Fare Vending	Base	MPD	Change Order	10	TBD	TVM Enclosures	Complete	\$ 135,272.21
52	Construction	Unallocated Contingency	MPD	Change Order	9	TBD	MOF & TPSS #1 SCADA internet wiring; MOF furniture; MOF WTM Mods; MOF cameras	Complete	\$ 176,923.00
53	Construction	Allocated Contingency	MPD	Contingency Allocation	15	TBD	TPSS #1 FRE conduit, Pavers at TPSS #2, MOF pole mods, TPSS 1 electrical cabinet	Complete	\$ 32,673.00
54	Construction	Allocated Contingency	MPD	Contingency Allocation	16	TBD	Modify traffic booms in CBD (ECI 221); MLB All Star Game costs (ECI 222); Reset temp water valve (ECI 245); Fill vault at 6th & Main (ECI 249);Temp signals & signs (ECI 244)	Complete	\$ 54,341.00
55	Construction	Allocated Contingency	MPD	Contingency Allocation	17	TBD	ECI's 160,193,201,206,209,226,227,248,268	Complete	\$ 36,043.00
56	Construction	Unallocated Contingency	MPD	Change Order	11	TBD	ECI's 39,188,212,215,233,234,237,238,242,250,254,259,260,262,269,270,271,273,276	Complete	\$ 4,433.00