



C I N C I N N A T I
STREETCAR™

MONTHLY REPORT

March 2016

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
TAP	Track Access Permit
TPSS	Traction Power Substation
TVM	Ticket Vending Machine
WTM	Wheel Truing Machine

1.0. PROGRESS SUMMARY



Cincinnati Streetcar #1176, Unit #2, ready for full load test of the parking brake on the 8% grade of the Main St. hill

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1.0. PROGRESS SUMMARY

- Civil construction punch list work and testing continues
- Streetcar burn-in testing began April 4
- Unit #5 vehicle production continues at CAF Elmira, NY plant
- Expected shipment by end of April/beginning of May, contingent on parts arrival
- Operating contractor Transdev staffing-up and training underway
- City Council considering ordinance to establish tools to aid enforce parking, track blockage infractions, focusing on white line defining the depth of parking space
- Communication/outreach efforts continue through RoadMapCincy, regular stakeholders meetings, specialized meetings and track access safety procedure with City departments and outside agencies

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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, 2014):

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. CIVIL CONSTRUCTION STATUS



Repairing concrete damaged at Stop #16 by a stolen car unfortunately brought back traffic issues



Completion of a TPSS grounding test, part of the current phase of infrastructure testing ₉

2.1. CIVIL CONSTRUCTION STATUS

Track:

- Complete October 2015



OCS:

- Complete October 2015



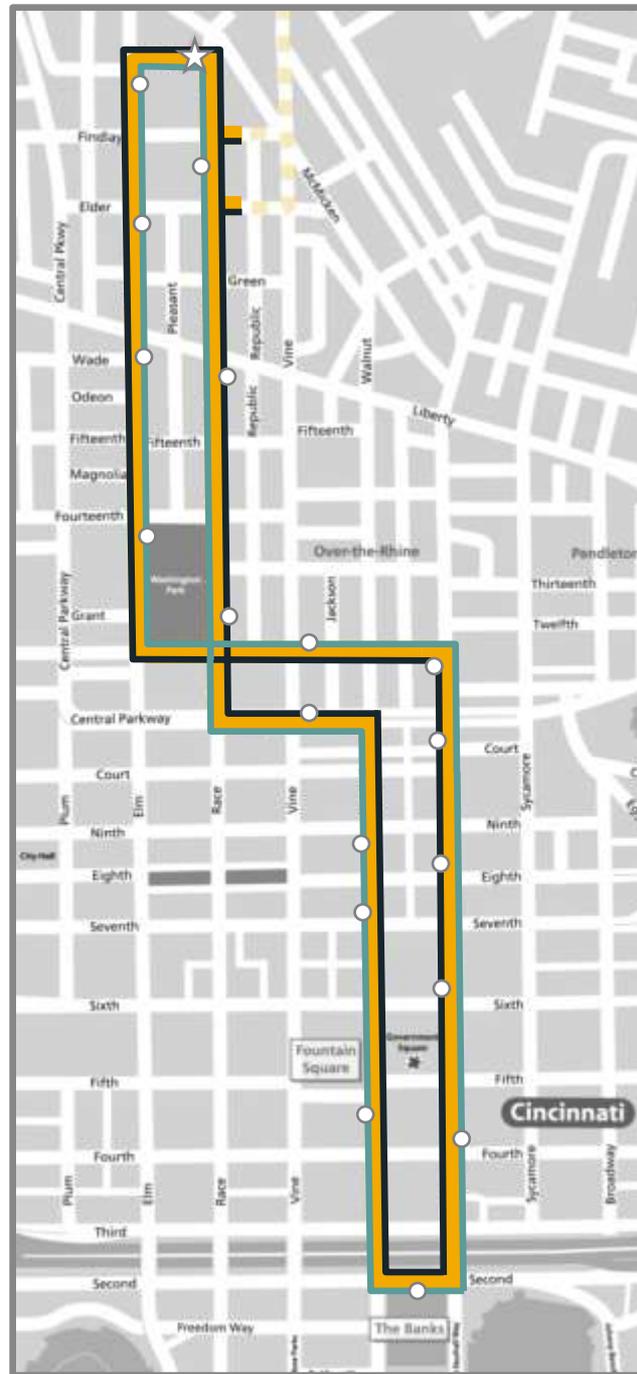
Paving:

- Complete October 2015

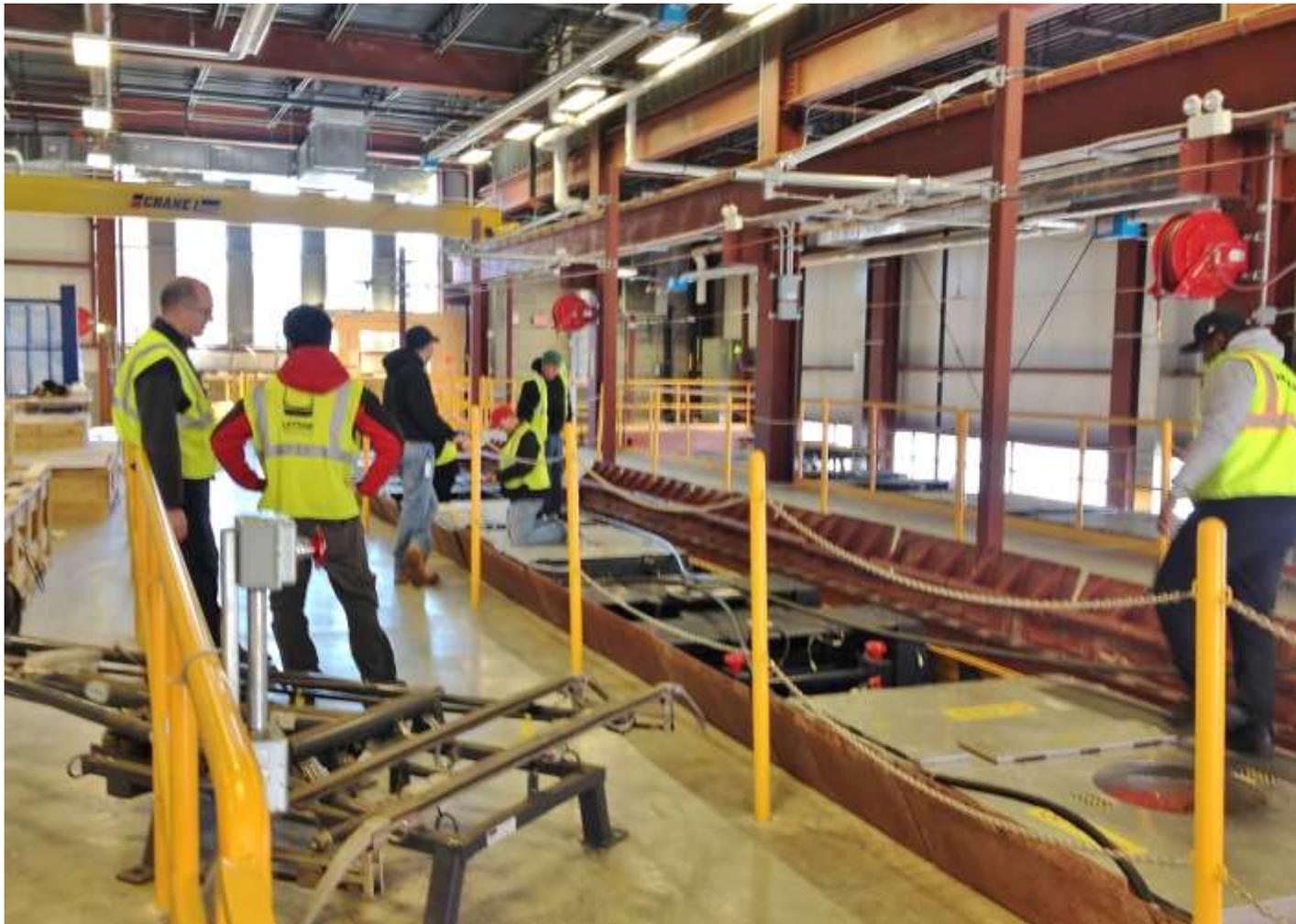


Stops:

- Complete November 2015



2.3 MAINTENANCE & OPERATIONS FACILITY



On the mezzanine of the MOF, CAF and Transdev employees confer with the LTK inspector prior installing the pantograph on a newly arrived streetcar

2.4 UTILITY WORK

Utility work, including street and sidewalk is in the closeout phase:

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

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2.5. COMMUNITY INVOLVEMENT



Paul Grether, the SORTA Rail Services Director, leads the Women in Transportation tour of the MOF

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2.5. COMMUNITY INVOLVEMENT

- SORTA is now tracking and scheduling all community presentations
- Continuing established involvement strategy:
 - Monthly Construction Stakeholders Meeting
 - Email monthly Streetcar Newsletters transitioned to Metro
 - Media alerts for all closures or other work disrupting pedestrian or vehicular traffic in coordination with RoadmapCincy
 - Personal visits by a member of the team to affected businesses and building management continue
 - Attendance at DCI/Police Sector Meetings
 - Streetcar website: www.cincinnati-streetcar.com (all media and press releases - hosting transitioning to SORTA when streetcar goes operational)

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2.5. COMMUNITY INVOLVEMENT

- Speaker’s Bureau for groups that would like to hear about Cincinnati Streetcar
- Hamilton County Monthly Riverfront Joint Operations Task Force
- Social media (twitter @Cincy_Streetcar, City of Cincinnati Facebook page <https://www.facebook.com/CincinnatiStreetcarOFFICIAL>)

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2.5. COMMUNITY INVOLVEMENT START UP - TRAFFIC ENFORCEMENT

- Enforcement tools drafted for consideration by City Council to keep track clear of obstructions that could impair streetcar service or cause safety hazards
- Ordinance drafted:
 - Clarify parking restrictions proximate to streetcar tracks
 - Give regulatory status of the white line defining width of the parking spots in key locations
 - Enable Police and parking Enforcement Officers to clear offenders quickly
- Additional Ordinances to provide tools for SORTA/Streetcar operations staff to enforce fare and operational rules

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2.5. COMMUNITY INVOLVEMENT START UP - TRACK ACCESS PERMITTING

- TAP authorization process being administered by SORTA/Transdev based on applications through CPD Special events or DOTE Public Space Permit Process
- Contractors, others working in ROW required to get a TAP authorization as part of their normal ROW permit from City DOTE
 - Allows streetcar operations to know who/what to expect in the street
 - Streetcar operations is then able to coordinate work with all agencies and contractors
- OSHA rules require workers to observe a 10 foot safety envelope around active OCS wire
- Transdev is engaged in safety training/certification to utility company workers



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2.5. COMMUNITY INVOLVEMENT



The Rail Services Director briefs special events organizers from several organizations on streetcar operations

2.5. COMMUNITY INVOLVEMENT



Many Cincinnati Red Bike locations are close to streetcar station stops and shown on Transit App, such as this one across from Stop # 1 on the Central Riverfront

2.5. COMMUNITY INVOLVEMENT



Professor Rainer vom Hoff presents regression analysis as a part of the students economic analysis of the streetcar project

2.6. MPD BILLINGS - MARCH 2016 REPORT

Bid Form Section	Total	Prev. Incurred	Mar (net ret)
Behind the Curb Work	\$1,456,894	\$222,617	\$0
Central Parkway Median	\$116,455	\$122,496	\$1,260
Civil, Roadway and Drainage	\$10,445,950	\$9,911,964	\$2,467
Communication System	\$1,228,959	\$723,940	\$15,000
Corrosion Control	\$354,682	\$336,948	\$0
Misc. Items	\$5,075,000	\$4,467,139	\$111,224
MOF Civil and Track	\$3,170,177	\$3,142,439	\$28,468
MOF	\$8,744,492	\$8,692,606	\$13,890
OCS Mainline	\$5,502,798	\$5,534,967	\$8,174
Signal System Streetcar	\$669,588	\$669,588	\$420
Streetcar Stop Shelters and Sitework	\$2,243,714	\$2,180,789	\$0
Trackwork on Grade	\$13,018,686	\$12,889,768	\$21,663
Trackwork on Structures	\$2,950,663	\$2,987,606	\$0
Traction Power	\$6,566,003	\$6,218,701	\$0
Traffic Signals and Lighting	\$4,793,179	\$4,532,477	\$65,783
Water Main - Main Street	\$2,508,352	\$2,385,941	\$0
Water Main - Walnut Street	\$2,046,457	\$1,780,106	\$0
CO#1	\$492,933	\$500,229	\$0
CO#2	\$100,000	\$514,750	\$0
CO#3	\$359,745	\$162,220	\$0
CO#4	\$265,211	\$94,005	\$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	\$308,628	\$5,266
CO#9	\$176,923	\$176,923	\$0
CO#10	\$135,272	\$0	\$0
CO#11	\$4,433	\$4,433	\$0
CO#12	\$8,070	\$8,070	\$0
Totals:	\$73,473,131	\$69,398,223	\$273,614

3.0. VEHICLES

- Burn-in testing began April 4
 - 500km reliability test of streetcar vehicle
 - Unit 1177 currently in testing
 - Additional units to begin concurrent runs this week
- Streetcar #1179 (Unit #5) projected by CAF to arrive April 15, is now projected to arrive in early-mid May
 - Material availability has been an issue
 - CAF delays will require additional engineering support, cost from LTK
- Spare parts delivery
 - Process established to resolve quality inspection issues
- CAF personnel on-site March 11-25 to oversee closure of open items
- The City is withholding payment of all invoices until CAF provides a viable recovery schedule and other information required of them by the contract.

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3.2. DESIGN, PRODUCTION, TESTING ACTIVITIES



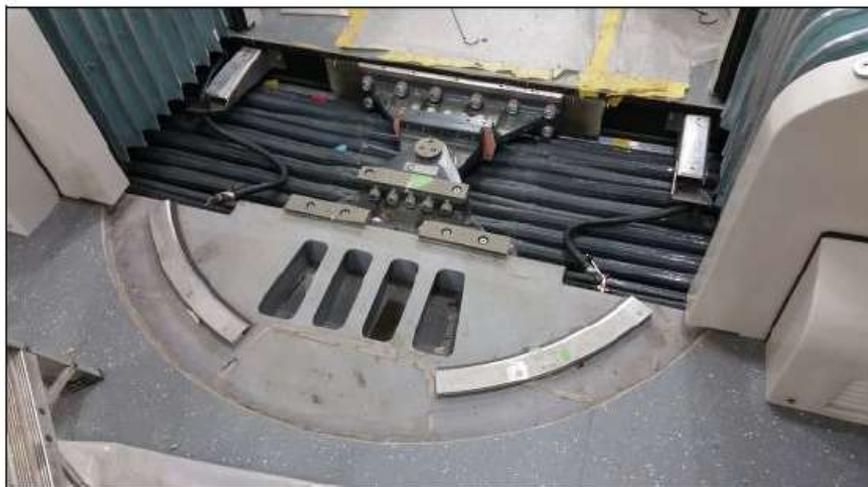
Unit #2, streetcar 1176, ready for fully loaded simulation test up 8% Main St hill, north of Third St

3.2. DESIGN, PRODUCTION, TESTING ACTIVITIES

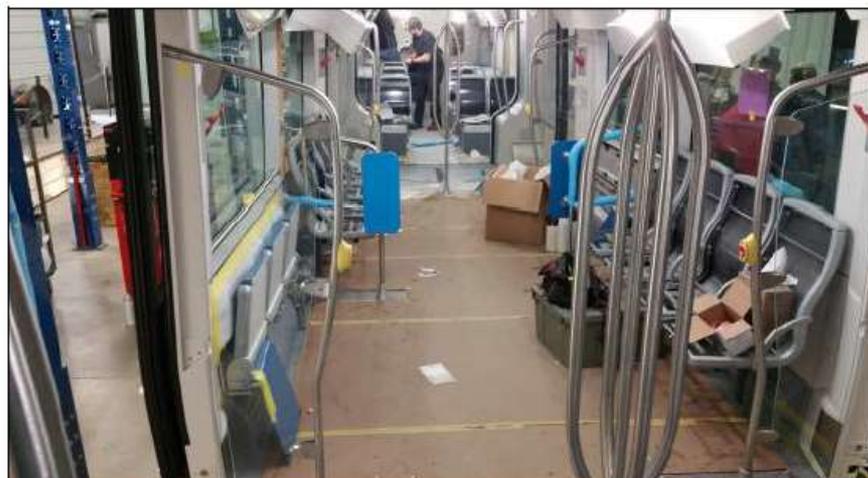


Unit # 3, Streetcar 1177, arriving in Cincinnati

3.2. DESIGN, PRODUCTION, TESTING ACTIVITIES



In the Elmira, NY, CAF factory, installing the articulation area floor turn plate



Unit # 5 interior assembly in the CAF factory in Elmira, NY

4.0. BUDGET & EXPENDITURES

- Through March 31, 2016:
 - \$123,323,961 has been expended on the project (including Duke escrow)
 - \$206,795,36 remains encumbered against open contractual obligations on the project
- Major Contract Activity:
 - 12 change orders to the MPD construction contract have been issued totaling \$2,581,082
 - Two change orders to the CAF vehicle contract have been issued totaling \$0
 - See Appendix A for breakout of Contingency Usage

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4.1 BUDGET VS. EXPENSES

Through 3/31/16

BUDGET - June 2013		EXPENSES 3/31/2016		
Budget Category	Base + Allocated Contingency	Expended	Encumbered	Expend. + Encumb.
Federal				
Construction	\$ 52,511,908.33			
MOF	\$ 11,914,668.98			
Utilities (Project)	\$ 6,958,405.62	\$ 67,438,177.73	\$ 3,946,805.20	\$ 71,384,982.93
Utilities (3rd Party)	\$ 6,225,065.37	\$ 3,415,733.66	\$ 2,251,124.48	\$ 5,666,858.14
Fare Vending	\$ 550,000.00	\$ -	\$ -	\$ -
City Project Administration	\$ 4,006,813.27	\$ 3,208,892.71	\$ -	\$ 3,208,892.71
SORTA Project Administration	\$ 2,100,000.00	\$ 1,238,610.17	\$ 761,389.83	\$ 2,000,000.00
Real Estate	\$ 2,010,143.00	\$ 2,011,186.00	\$ -	\$ 2,011,186.00
Start-up (capital)	\$ 250,000.00	\$ -	\$ -	\$ -
Vehicles	\$ 25,213,095.40	\$ 11,340,871.41	\$ 12,710,776.18	\$ 24,051,647.59
Unallocated Contingency	\$ 4,991,010.00	\$ 3,707,916.17	\$ 940,711.46	\$ 4,648,627.63
Subtotal	\$ 116,731,109.97	\$ 92,361,387.85	\$ 20,610,807.15	\$ 112,972,195.00
Utilities (Duke Escrow)	\$ 15,000,000.00	\$ 15,000,000.00	\$ -	\$ 15,000,000.00
Federal Total	\$ 131,731,109.97	\$ 107,361,387.85	\$ 20,610,807.15	\$ 127,972,195.00
Local				
Design	\$ 14,598,719.00	\$ 14,313,044.86	\$ 19,571.85	\$ 14,332,616.71
Pre-Development	\$ 1,313,786.00	\$ 1,264,628.13	\$ 49,157.87	\$ 1,313,786.00
City Project Administration	\$ 434,663.00	\$ 384,900.38	\$ -	\$ 384,900.38
Local Total	\$ 16,347,168.00	\$ 15,962,573.37	\$ 68,729.72	\$ 16,031,303.09
Grand Total	\$ 148,078,277.97	\$ 123,323,961.22	\$ 20,679,536.87	\$ 144,003,498.09

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
 - Traffic signal modifications may be needed to facilitate signal operation
 - MOF Modifications - align facility to operational needs
 - Additional capital equipment needs identified as part of start up (some budget exists for this)
- VEHICLES
 - CAF delays will require additional engineering support from LTK
 - Spare parts & special tools delivery, training still required
 - Issues identified during burn-in could take time to resolve
- SAFETY & SECURITY CERTIFICATION/INTEGRATED TESTING
 - Issues identified during integrated testing and safety certification may require redesign or additional construction work

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4.3. CONTINGENCY USAGE

Through 3/31/2016

Through:	February 18, 2016				
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	\$ 1,515,500.32	\$ 278,405.00	\$ -	\$ 206,094.68
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	\$ 2,492,601.07	\$ 469,205.63	\$ -	\$ 1,760,294.52
UNALLOCATED CONTINGENCY					
Unallocated Contingency		\$ 1,385,418.50		\$ 879,133.00	
Construction		\$ 2,029,170.11		\$ 223,538.00	
City Project Administration	\$ 4,991,010.00		\$ 802,393.54		\$ (937,591.46)
Design		\$ 608,948.31			
Subtotal	\$ 4,991,010.00	\$ 4,023,536.92	\$ 802,393.54	\$ 1,102,671.00	\$ (937,591.46)
Utilities (Duke Escrow)	\$ -				\$ -
Grand Total	\$ 9,713,111.22	\$ 6,516,137.99	\$ 1,271,599.17	\$ 1,102,671.00	\$ 822,703.06

4.4 GRANT DRAWDOWN SUMMARY

Through 3/31/2016

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	\$ 918,468		\$ 470,077
		12.23.03	Construction	\$ 12,598,000	\$ 12,598,000		\$ (0)
		12.13.20	Vehicles	\$ 11,002,000	\$ 7,606,846		\$ 3,395,154
Subtotal				\$ 24,989,998	\$ 21,124,767	\$ -	\$ 3,865,231
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	\$ 47,367	\$ 129,652
		12.23.03	Construction	\$ 15,554,000	\$ 15,554,000		\$ (0)
Subtotal				\$ 15,919,998	\$ 15,742,980	\$ 47,367	\$ 129,651
TOTAL				\$ 45,178,274	\$ 41,136,025	\$ 47,367	\$ 3,994,882

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

** Drawn + Pending = 91.5% of Federal grant funds

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5.0. JOB SITE SAFETY

- Safety Oriented-To date: 906
- Safety Oriented-March: 0
- Safety Orientations-March: 0
- Total man-hours worked to date: 287,617
- Total man-hours worked without a lost time accident: 186,191
- Lost Time Accidents-To date: 3
- Lost Time Accidents-March: 0
- Incidents-To date: 165
- Incidents-March: 0

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6.0. SORTA ACTIVITIES



SORTA, Transdev, and City employees meet with FTA at the MOF

6.1. STREETCAR SYSTEM TURNOVER

- SORTA and Transdev staff received the complete training on the traction power systems, including the traction power substations (operations, maintenance and troubleshooting), the overhead contact system, SCADA and other elements.
- The City construction contractor, MPD, would like to turnover control of the power to SORTA/Transdev. This will occur following inspection by the City of the equipment and the delivery of special tools required such as grounding straps and other equipment for safe operation of the system.

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6.2. OPERATIONS & MAINTENANCE PLANNING

- An update to the Rail Activation Plan is underway. A detailed schedule is under development by Transportation Resource Associates which will form the basis of the plan update. This will coincide with a final update to the Project Management Plan by the City.
- The first streetcar O&M funding request was submitted to the SORTA Board of Trustees and Cincinnati City Council Major Transportation and Regional Cooperation Committee.

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6.3. FARE EQUIPMENT

- An updated schedule of activities has been developed for the testing and commissioning of the TVM units by SORTA. This includes the ordering of fare media and ensuring that credit card processing is compliant with new chip card security requirements..

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6.4. RAIL ACTIVATION

- The SORTA Rail Activation Committee (RAC) met in January and has been restructured per the current status of the project. Based on feedback from the SSRR a schedule tracking spreadsheet will be developed for RAC activities and the Rail Activation plan (RAP) updated.
- The Integrated Test Team (ITT) meets on a weekly basis as a subcommittee of RAC. SORTA/Transdev are supporting the City led effort to test and commission the system.
- A subcommittee of the RAC will examine the IT requirements for operation of the system in March.

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- A subcommittee of the RAC will examine the IT requirements for operation of the system in March.

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6.4. RAIL ACTIVATION

- Amendment #7 to the Streetcar Intergovernmental Agreement has been approved by the SORTA Board of Trustees. This will allow for the SORTA purchase of certain tools and equipment, upgrades to the Streetcar Maintenance Facility, and assumption of utility responsibilities.

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6.5. SAFETY & SECURITY CERTIFICATION

- The Ohio Department of Transportation conducted an on-site Quarterly Review Meeting at SORTA. In addition to coordinating the certification process tasks, ODOT staff were able to directly observe a streetcar test and associated procedures.
- Safety and Security Review Committee (SSRC) and the Fire Life Safety and Security Committee (FLSSC) meetings continue. The FLSSC is beginning preparations for the first of a series of table top and live scenario exercises and drills for the streetcar and first responders.

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6.6. ADVERTISING / SPONSORSHIPS

- The SORTA streetcar advertising vendor, Cincinnati-based Ad Vehicles presented their plans and efforts to the Cincinnati City Council Major Transportation Committee.
- Ad Vehicles continues to work to secure an overall sponsor for the streetcar which could include naming rights or other features.

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6.7. MARKETING / EDUCATION

- The “Be Streetcar Safe” Campaign continues.
- Staff is working on the transition of the streetcar website from the City to SORTA and preliminary planning for the Grand Opening.
- A button has been added to the website that allows people to ask permission to use the Streetcar copyrighted symbol.
- SORTA is organizing and tracking outreach presentations to groups that request information on the streetcar. These presentations are being handled both by SORTA and City employees.

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6.8. UPCOMING SORTA BOARD OF TRUSTEES ACTIONS

- Approval of contract between SORTA and Downtown Cincinnati Improvement District governing streetcar operations and maintenance funding from the Voluntary Tax Incentive Contribution Agreement (VTICA) including an associated amendment to the 2015 Cincinnati Streetcar Operations and Maintenance Inter-Governmental Agreement (OMIGA) between SORTA and the City of Cincinnati (originally scheduled for November 2015, it is now anticipated April 2016);
- Approval of Amendment 7 to the Intergovernmental Agreement (IGA) between SORTA and the City of Cincinnati to provide capital funding for the purchase of tools and other “make ready” start-up equipment in preparation for streetcar operations (February 2016);
APPROVED

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6.8. UPCOMING SORTA BOARD OF TRUSTEES ACTIONS

- Approval of Fare and Service Equity Analysis/Title VI review including public hearings and any associated service changes (February 2016); APPROVED
- Approval of revised Streetcar Operating Hours (February 2016); APPROVED
- Approval of draft Streetcar First Year Operations and Maintenance Budget and Authorization to transmit to Cincinnati City Council for Approval (February 2016) APPROVED

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6.9. STREETCAR VEHICLE

- The Streetcar #1177 (unit 3) has been delivered, preceded by Streetcar #1178 (unit 4) in February.
- CAF has continued their maintenance training
- The fifth and final streetcar is anticipated in arrive in late April.

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6.10. WHEEL TRUING MACHINE

- Delta Manufacturing commissioning and training on the WTM has been completed.
- Wheels on streetcar 1175 were successfully re-profiled by the machine.
- Some minor software updates and minor modifications to the machine are forthcoming as a result of the commissioning.

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7.0. DBE & INCLUSION

- MPD reported a DBE Spend at end of February of 16.9%, remaining relatively constant since July 2015 and below SORTA's project target of 18%.
- Tally of final quantities will not be fully available until later this year. This tallying is very likely to adjust the currently reported total.
- As reported at the time, in March 2015 the project team received information that one of the DBE contractors on the Streetcar Project may have graduated from the DBE program in one of its NAICS codes.

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7.0. DBE & INCLUSION

- SORTA just received FTA guidance at the end of March.
- Based on FTA's research they opined that Bansal Construction had graduated in one NAICS code that could represent a reduction of approximately 10% of the currently reported 16.9% DBE billings on the project.
- MPD is confirming the dollar amount of DBE spend with Bansal for the NAICS code in question.
- If totals do change SORTA will update their Federal Fiscal Year DBE reporting to FTA. Other action may be necessary by them. The City project team will provide any updates in subsequent reports.

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7.0. DBE & INCLUSION

Workforce Inclusion Compliance March 2016

- 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.
- With the completion of construction and only minor punch list and testing support remaining, these totals are unlikely to change very much.

Minority & Female Utilization		
	<u>Actual</u>	<u>Goal</u>
Minority Hours	18.5%	11.9%
Female Hours	3.7%	6.9%
Minority Female	66.7%	50.0%

8.0 FEDERAL OVERSIGHT ACTIVITIES



FTA Division Office Personnel including the Division Administrator in town for the Quarterly Meeting, board the streetcar at Stop #7 during a test run

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 Quarterly Review Meeting (QRM) took place in Cincinnati on March 4, 2016.
- The next monthly meeting/teleconference with the FTA Regional Office, SORTA, the City and the PMOC will take place April 12, 2016.

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Appendix B
Change Orders, Contingency Allocations

Through: **March 31, 2016**

ID	Budget Category	Source	Contract	Contingency Usage Type	Contingency Usage #	Date	Description	Status	AMOUNT (3/3/16)
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	1/26/2014	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. Geopiers; dielectric membrane; MOF conditions, others	Complete	\$ 31,309.00
9	Unallocated Contingency	Unallocated Contingency	Thelen	Certification	NA	10/21/2013	Materials testing	Complete	\$ 108,594.50
10	Unallocated Contingency	Unallocated Contingency	KPMG	Certification	NA	12/11/2013	City Council-mandated audit costs	Complete	\$ 250,000.00
11	Unallocated Contingency	Unallocated Contingency	Transystems	Certification	NA	8/30/2013	Schedule review support	Complete	\$ 60,726.00
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	NA	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, telecom conduit for MOF, GCWW force acct., Cent. Pkwy. Irrigation	Complete	\$ 79,870.00
17	Construction	Allocated Contingency	MPD	Contingency Allocation	7	5/9/2014	WIM conduit; Findlay dielectric membrane; Elm St. mill	Complete	\$ 52,503.00
18	Unallocated Contingency	Unallocated Contingency	Transystems	Certification	NA	7/22/2014	Task 4 - Schedule review support through MOF completion	Complete	\$ 68,854.00
19	Unallocated Contingency	Unallocated Contingency	Duke Energy	Certification	NA	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	\$ 301,036.40
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	NA	11/17/2014	Wheel Truing Machine	Complete	\$ 606,000.00
24	Construction	Allocated Contingency	MPD	Contingency Allocation	NA	TBD	Submitted ECFs from MPD	Pending	\$ 257,616.00
25	Construction	Allocated Contingency	MPD	Contingency Allocation	NA	TBD	Estimated ECFs from MPD	Pending	\$ 75,406.00
26	Construction	Allocated Contingency	MPD	Contingency Allocation	NA	TBD	TPSS# 2 and 3 screenwall changes	Estimated	
27	Construction	Unallocated Contingency	MPD	Change Order	NA	TBD	Spare Switch Points	Estimated	\$ 42,268.00
28	Construction	Unallocated Contingency	MPD	Change Order	NA	TBD	MOF Cameras, TPSS Wiring	Estimated	
29	City Project Administration	Unallocated Contingency	City	Certification	NA	TBD	City- Additional Staff Time	Pending	\$ 802,393.54
30	City Project Administration	Allocated Contingency	City	Certification	NA	TBD	City- Additional Staff Time	Pending	\$ 190,800.63
31	Construction	Unallocated Contingency	MPD	Change Order	NA	TBD	MOF Telecom wiring	Estimated	
32	Construction	Allocated Contingency	MPD	Contingency Allocation	NA	TBD	Ford Force Account	Estimated	
33	Vehicles	Allocated Contingency	LTK	Certification	NA	TBD	LTK - Additional Staff Time #1	Complete	\$ 977,100.75
34	Unallocated Contingency	Unallocated Contingency	Duke Energy	Certification	NA	TBD	Duke hookup costs/utilities	Estimated	\$ 130,000.00
35	Construction	Unallocated Contingency	MPD	Change Order	NA	TBD	Additional Quantities Needed	Estimated	\$ 525,000.00
36	Unallocated Contingency	Unallocated Contingency	TBD	Certification	NA	TBD	Misc. MOF fit out needs, WIM mods	Estimated	\$ 93,538.00
37	Construction	Unallocated Contingency	TBD	Certification	NA	TBD	Bike Racks, porous 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	
42	Unallocated Contingency	Unallocated Contingency	TBD	TBD	TBD	TBD	12th & Race Overhead Light modification	Estimated	

Appendix B
Change Orders, Contingency Allocations

Through: **March 31, 2016**

ID	Budget Category	Source	Contract	Contingency Usage Type	Contingency Usage #	Date	Description	Status	AMOUNT (3/3/16)
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	NA	3/24/2015	Additional materials testing	Complete	\$ 20,000.00
46	Construction	Unallocated Contingency	MPD	Change Order	NA	TBD	Central Parkway Walnut OCS conflicts	Estimated	\$ -
47	Construction	Unallocated Contingency	MPD	Contingency Allocation	NA	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/W ater 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	NA	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 160,193,201,205,209,226,227,248,268	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
57	Construction	Allocated Contingency	MPD	Contingency Allocation	18	TBD	ECI's 198, 184, 267, 275, 284, 288, 290	Complete	\$ 33,195.00
58	Construction	Unallocated Contingency	MPD	Change Order	12	TBD	ECI's 54, 236, 241, 274	Complete	\$ 8,070.00
59	Construction	Unallocated Contingency	MPD	Change Order	TBD	TBD	Misc. Mods - ECI 295, 296, 298, 299, 300, 301, 302	Estimated	
60	Construction	Unallocated Contingency	MPD	Change Order	TBD	TBD	Secondary Signal Detection System (ECI 292)	Estimated	
61	Construction	Unallocated Contingency	MPD	Change Order	TBD	TBD	Walnut Skywalk Bridge Protection	Estimated	\$ 25,000.00
62	Construction	Unallocated Contingency	MPD	Change Order	TBD	TBD	Henry St. Isolation	Estimated	\$ 50,000.00
63	Construction	Unallocated Contingency	MPD	Change Order	TBD	TBD	MOF Electric (208v), lighting mods	Estimated	\$ 25,000.00
64	Construction	Unallocated Contingency	MPD	Change Order	TBD	TBD	Additional Striping for Transit Only Lanes	Estimated	\$ 10,000.00
65	Construction	Unallocated Contingency	MPD	Change Order	TBD	TBD	Compressive Strength Pay Factor Claim - ODOT Spec 898	Estimated	\$ 201,865.00
66	Vehicles	Allocated Contingency	LTX	Change Order	NA	TBD	LTX - Additional Staff Time #1	Estimated	\$ 301,000.00
67	Design	Unallocated Contingency	PB	Change Order	NA	TBD	Additional construction support work needed	Estimated	\$ 20,000.00