



MONTHLY REPORT

February 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/>

February 2016 Monthly Report



TABLE OF CONTENTS

1. Progress Update Summary
2. Progress Details
 - 2.1. Civil Construction Schedule
 - 2.2. Trackwork and associated construction
 - 2.3. Maintenance and Operations Facility (MOF)
 - 2.4. Utilities
 - 2.5. Community Involvement
 - 2.6. MPD Billings for November
3. Vehicles
 - 3.1. Schedule
 - 3.2. Design and Production Activities
4. Budget and Expenditures
 - 4.1. Budget vs. Expenditures
 - 4.2. Risk/Contingency Items
 - 4.3. Contingency Usage
 - 4.4. Federal Grant Activity
5. Job Site Safety
6. SORTA Activities, Including Safety and Security Certification
7. Inclusion/DBE Compliance
8. Federal Oversight Activities
9. Contingency Expenditure Appendix

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 #1178, Unit #4, ready to leave Elmira

1.0. PROGRESS SUMMARY

- Civil construction punch list work continues on schedule to meet April 4, 2016, Substantial Completion Milestone
- Testing and training activities:
 - Re-railing equipment training
 - PIS-PAS-PA & CCTV testing
 - OCS maintenance training
 - Wheel Truing Machine training & commissioning
- Streetcar #1178 (unit #4) – arrived in Cincinnati February 11
 - Post-delivery testing – Feb 19
- Streetcar #1177 (unit #3) – scheduled to arrive in Cincinnati – March 2
- Communication/outreach efforts continue through RoadMapCincy and regular stakeholders meetings

February 2016 Monthly Report



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. FEBRUARY 2016 CIVIL CONSTRUCTION SCHEDULE SUMMARY

ID	Description	Original Duration	Start	Finish	Area	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 Henn							
2	Track/Road Complete	1	01/09/14A	01/09/14A	Elm/ 12th to Henn							
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 Mail							
6	Track/Road Complete	1	06/18/14A	06/18/14A	Central/ Race to Mail							
12th/ Main to Elm												
7	MOT/Road Removal/Trackwork Start	1	04/21/14A	04/21/14A	12th/ Main to Elr							
8	Track/Road Complete	1	07/17/14A	07/17/14A	12th/ Main to Elr							
OTR Turns and Diamond												
11	MOT/Road Removal/Trackwork Start	1	06/30/14A	06/30/14A	OTR Turns and Diamon							
12	Track/Road Complete	1	08/13/14A	08/13/14A	OTR Turns and Diamon							
MOF Area Turn Outs												
9	MOT/Road Removal/Trackwork Start	1	08/28/14A	08/28/14A	MOF Area Turn Out:							
10	Track/Road Complete	1	12/31/14A	12/31/14A	MOF Area Turn Out:							
Walnut/Central to 2nd												
13	MOT/Road Removal/Trackwork Start	1	08/11/14A	08/11/14A	Walnut/Central to 2nc							
14	Track/Road Complete	1	05/18/15A	05/18/15A	Walnut/Central to 2nc							
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							

▼ Power, Stations, Paving, and Closeout - CBD

Project Finish

Start Date: 01/01/13
 Finish Date: 09/30/16
 Data Date: 03/01/16
 Run Date: 03/25/16

Cincinnati Streetcar
 Contract #121C009060
 March 1, 2016 - Project Schedule

Streetcar 2016_03-25.pptx
Page 1A

2.1. CIVIL CONSTRUCTION STATUS



2.1. CIVIL CONSTRUCTION STATUS

Track:

- Complete



OCS:

- Complete



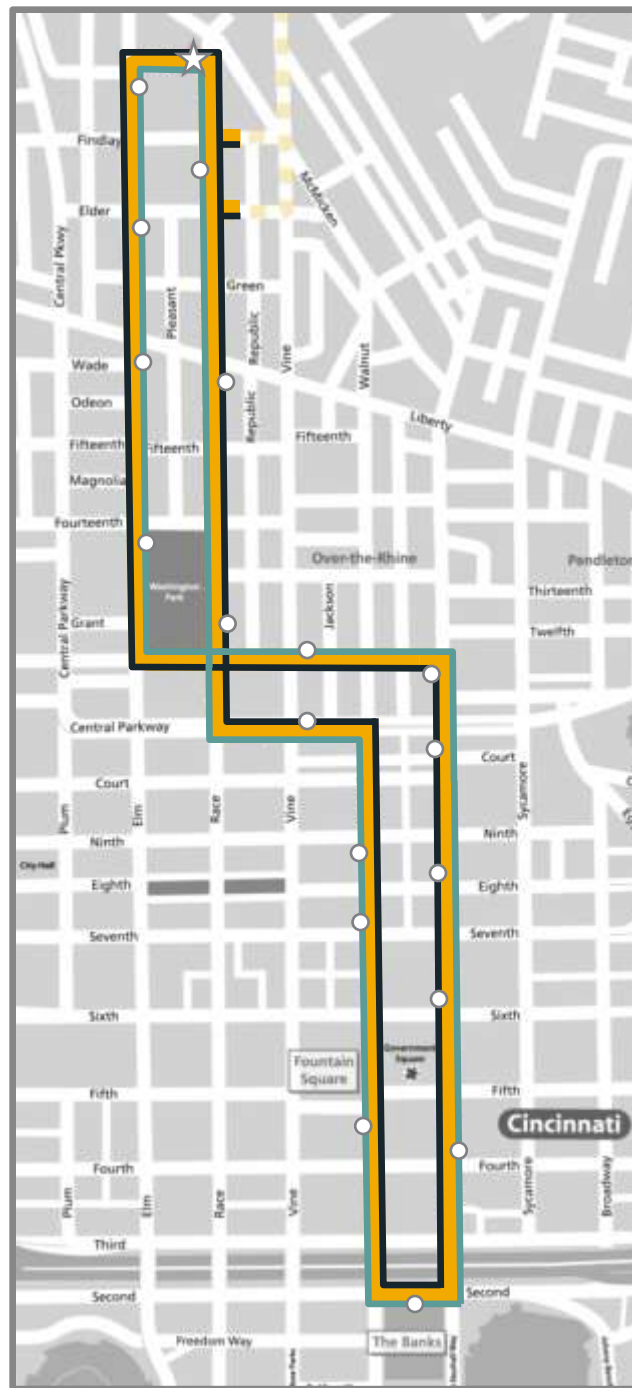
Paving:

- Complete



Stops:

- Complete





2.3 MAINTENANCE & OPERATIONS FACILITY



Commissioning the Wheel Truing Machine

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

February 2016 Monthly Report



2.5. COMMUNITY INVOLVEMENT



UC DAAP Economic Analysis Class meeting with Major Transportation and Regional Cooperation Council Committee Chair Amy Murray.

2.5. COMMUNITY INVOLVEMENT

- SORTA is tracking all community presentations
- 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
 - Streetcar website: www.cincinnati-streetcar.com (all media and press releases – hosting transitioning to SORTA)
 - Speaker's Bureau for groups that would like to hear about Cincinnati Streetcar

February 2016 Monthly Report



2.5. COMMUNITY INVOLVEMENT

- Monthly Construction Stakeholders Meeting
- Monthly Riverfront Joint Operations Task Force
- Social media (twitter @Cincy_Streetcar, City of Cincinnati Facebook page)
<https://www.facebook.com/CincinnatiStreetcarOFFICIAL>
- Press releases and media availability with traffic alerts continue for all testing needing street closures.

February 2016 Monthly Report



2.5. COMMUNITY INVOLVEMENT START UP – TRAFFIC ENFORCEMENT

- Enforcement tools needed to keep track clear of obstructions that could impair streetcar service or cause safety hazards
- Ordinance drafted:
 - Clarify parking restrictions proximate to streetcar tracks
 - Enable enforcement officers to clear offenders quickly
- Additional Ordinances to provide tools for SORTA/Streetcar operations staff to enforce fare and operational rules
- Passage of these Ordinances by City Council will help acclimate public to streetcar operating environment in advance of revenue service.

February 2016 Monthly Report



2.5. COMMUNITY INVOLVEMENT START UP - TRACK ACCESS PERMITTING

- TAP permit process transitioned from MPD to SORTA/Transdev
- Contractors, others working in ROW required to get a TAP permit 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 utilities, 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

February 2016 Monthly Report



2.5. COMMUNITY INVOLVEMENT



Project Executive providing a Cincinnati Streetcar update and safety presentation to OKI Planning Partnership Quarterly Meeting

2.6. MPD BILLINGS - FEBRUARY 2016 REPORT

Bid Form Section	Total	Prev. Incurred	Feb (net ret)
Behind the Curb Work	\$1,456,894	\$220,191	\$2,426
Central Parkway Median	\$116,455	\$122,496	\$0
Civil, Roadway and Drainage	\$10,445,950	\$9,910,214	\$1,750
Communication System	\$1,228,959	\$723,940	\$0
Corrosion Control	\$354,682	\$336,948	\$0
Misc. Items	\$5,075,000	\$4,467,139	\$0
MOF Civil and Track	\$3,170,177	\$3,139,791	\$2,648
MOF	\$8,744,492	\$8,679,150	\$13,455
OCS Mainline	\$5,502,798	\$5,391,455	\$143,513
Signal System Streetcar	\$669,588	\$669,588	\$0
Streetcar Stop Shelters and Sitework	\$2,243,714	\$2,163,909	\$16,880
Trackwork on Grade	\$13,018,686	\$12,889,768	\$0
Trackwork on Structures	\$2,950,663	\$2,987,606	\$0
Traction Power	\$6,566,003	\$6,238,310	-\$19,609
Traffic Signals and Lighting	\$4,793,179	\$4,375,388	\$157,089
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	\$363,535	\$136,694
CO#2	\$100,000	\$514,750	\$0
CO#3	\$359,745	\$76,540	\$85,680
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	\$322,227	-\$13,600
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	\$68,871,296	\$526,927

3.0. VEHICLES

- Testing and training activities ongoing:
 - Re-railing equipment training
 - Electronic information systems (PIS-PAS-PA & CCTV) testing
 - OCS maintenance training
 - Wheel Truing Machine training & commissioning
- Close out of remaining open vehicle items
 - CAF crew and manager arriving in Cincinnati from Elmira starting March 1 to complete work on punch list items
- Burn-in (500km testing)
 - Close out of certain punch list items necessary for this occur
- Special tools and spare parts delivery
- Remaining maintenance and operator training

February 2016 Monthly Report



3.1. VEHICLE SCHEDULE

- Streetcar #1178 (unit #4) – arrived in Cincinnati February 11
 - Post-delivery testing conducted – Feb 19
- Streetcar #1177 (unit #3) – scheduled arrival in Cincinnati – March 2
- Streetcar #1179 (Unit #5) projected by CAF to arrive in April
 - City working with CAF to refine and accelerate schedule for final vehicle shipment
 - CAF is having material supply issues
 - Will require additional engineering support from LTK
- Due to multiple factors including CAF missing contract milestones, the City Purchasing Agent sent a letter to CAF USA Corporate that in summary said that the City was withholding payment of all invoices until CAF provided a recovery schedule and other information required of them by the contract.

February 2016 Monthly Report



3.2. DESIGN, PRODUCTION, TESTING ACTIVITIES



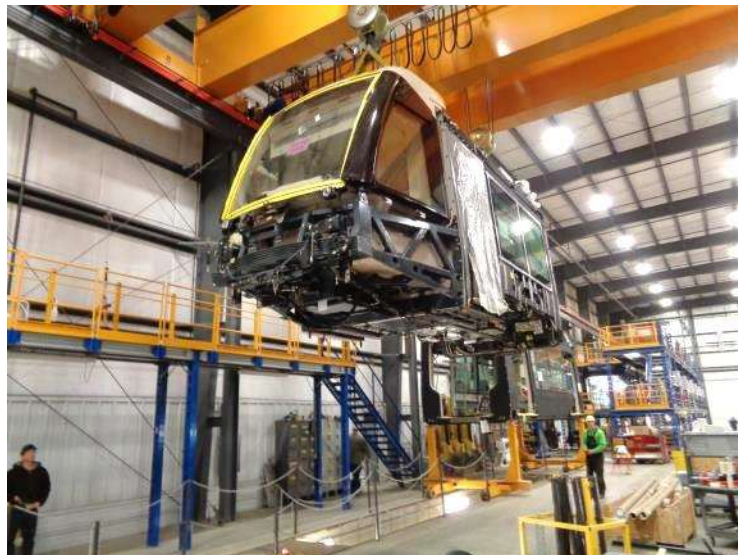
Unit #4, streetcar 1178, arriving successfully in Cincinnati after a wintery trip

3.2. DESIGN, PRODUCTION, TESTING ACTIVITIES



Unit # 3, Streetcar 1177, in Elmira, NY, ready to leave for Cincinnati

3.2. DESIGN, PRODUCTION, TESTING ACTIVITIES



Unit # 5 assembly in the CAF factory in Elmira, NY
February 2016 Monthly Report

4.0. BUDGET & EXPENDITURES

- Through February 29, 2016:
 - \$122,373,236 has been expended on the project (including Duke escrow)
 - \$21,559,828 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

February 2016 Monthly Report



4.1 BUDGET VS. EXPENSES

Through 2/28/16 - DRAFT

BUDGET - June 2013		EXPENSES 2/28/2016		
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	\$ 66,799,920.37	\$ 4,585,062.56	\$ 71,384,982.93
Utilities (3rd Party)	\$ 6,225,065.37	\$ 3,415,733.66	\$ 2,251,124.48	\$ 5,666,858.14
Vehicles	\$ 25,213,095.40	\$ 11,141,099.01	\$ 12,810,821.49	\$ 23,951,920.50
Fare Vending	\$ 550,000.00	\$ -	\$ -	\$ -
City Project Administration	\$ 4,441,476.27	\$ 3,543,087.02	\$ -	\$ 3,543,087.02
SORTA Project Administration	\$ 2,100,000.00	\$ 1,191,243.17	\$ 808,756.83	\$ 2,000,000.00
Start-up	\$ 250,000.00	\$ -	\$ -	\$ -
Unallocated Contingency	\$ 4,991,010.00	\$ 3,693,294.70	\$ 1,035,332.93	\$ 4,728,627.63
Subtotal	\$ 133,078,277.97	\$ 107,373,236.92	\$ 21,559,828.01	\$ 128,933,064.93
Utilities (Duke Escrow)	\$ 15,000,000.00	\$ 15,000,000.00	\$ -	\$ 15,000,000.00
Grand Total	\$ 148,078,277.97	\$ 122,373,236.92	\$ 21,559,828.01	\$ 143,933,064.93

- * *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

February 2016 Monthly Report



4.3. CONTINGENCY USAGE

Through 2/18/2016

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 2/28/2016

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		\$ 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	\$ 41,136,025	\$ -	\$ 4,042,249

* 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

February 2016 Monthly Report



5.0. JOB SITE SAFETY

- Safety Oriented-To date: 906
- Safety Oriented-February: 0
- Safety Orientations-February: 0
- Total man-hours worked to date: 286,171
- Total man-hours worked without a lost time accident: 184,745
- Lost Time Accidents-To date: 3
- Lost Time Accidents-February: 0
- Incidents-To date: 165
- Incidents-February: 0

February 2016 Monthly Report



6.0. SORTA ACTIVITIES



Transdev, employees undergoing re-railing equipment training at the MOF
as a part of the Startup Phase in their contract with SORTA

February 2016 Monthly Report

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 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.
- Transdev mobilization continues with the full complement of phase one mobilization staff on-boarded. This includes all of the vehicle and facilities/maintenance of way staff and the transportation supervisors. Transdev has advertised for the first round of streetcar operators which will be hired in April.

February 2016 Monthly Report



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.

February 2016 Monthly Report



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.

February 2016 Monthly Report



6.4. RAIL ACTIVATION

- The SORTA Rail Activation Committee (RAC) did not meet in February. It 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.
- 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.

February 2016 Monthly Report



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.

February 2016 Monthly Report



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.

February 2016 Monthly Report



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.

February 2016 Monthly Report



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 (anticipated March 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 (**APPROVED February 2016**);

February 2016 Monthly Report



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 (**APPROVED** February 2016);
- Approval of revised Streetcar Operating Hours (**APPROVED** February 2016);
- Approval of draft Streetcar First Year Operations and Maintenance Budget and Authorization to transmit to Cincinnati City Council for Approval (**APPROVED** 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 for Approval (February 2016)

February 2016 Monthly Report



6.9. STREETCAR VEHICLE

- The third streetcar (#1178) has been delivered.
- CAF has started the maintenance training for its various contract requirements. In February the re-railing equipment training and the event recorder training was completed.
- The fourth streetcar (#1177) is anticipated to be delivered in early March.

February 2016 Monthly Report



6.10. WHEEL TRUING MACHINE

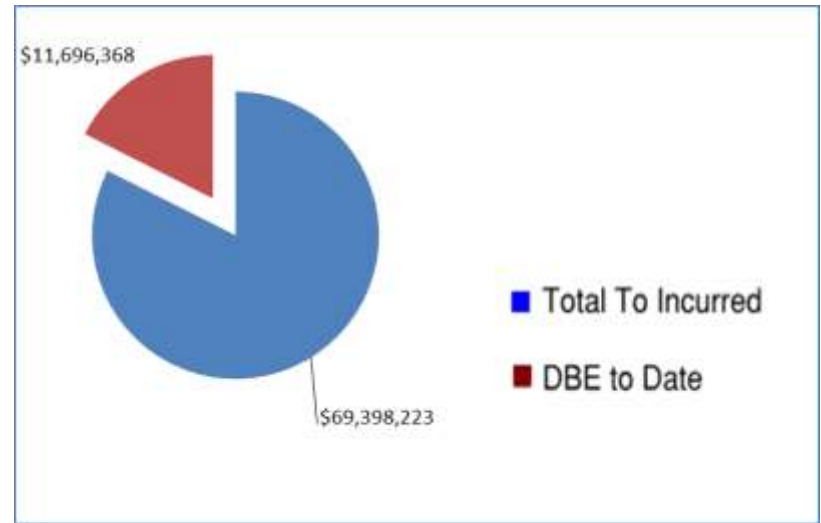
- Delta Manufacturing commissioning and training on the WTM successfully took place during the week of February 22, 2016.

February 2016 Monthly Report



7.0. DBE & INCLUSION

DBE Spend To Date:
16.9%



MPD reports a DBE Spend at end of February: 16.9%, remaining relatively constant since July 2015 and below the target of 18%.

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. That tallying of final quantities is in process, but will not be fully available until later this year.

FTA is still evaluating the DBE status of Bansal Construction, a primary source of DBE hours for the project.

7.0. 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.
- 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	18.6%	11.9%
Female Hours	3.7%	6.9%
Minority Female	66.4%	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 (QRM) will take place in Cincinnati on March 4, 2016.
- The monthly meeting/teleconference with the FTA Regional Office, SORTA, the City and the PMOC took place on February 9, 2016.

February 2016 Monthly Report



Through: March 4, 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	1/28/2014	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. Geopiers; dielectric membrane; MOF conditions, others	Complete	\$ 31,309.00
9	Unallocated Contingency	Unallocated Contingency	Thelen	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, 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	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 ECIs from MPD	Pending	\$ 257,616.00
25	Construction	Allocated Contingency	MPD	Contingency Allocation	N/A	TBD	Estimated ECIs from MPD	Pending	\$ 75,406.00
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	
29	City Project Administration	Unallocated Contingency	City	Certification	N/A	TBD	City- Additional Staff Time	Pending	\$ 802,393.54
30	City Project Administration	Allocated Contingency	City	Certification	N/A	TBD	City- Additional Staff Time	Pending	\$ 190,800.83
31	Construction	Unallocated Contingency	MPD	Change Order	N/A	TBD	MOF Telecom 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 #1	Complete	\$ 977,100.75
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	
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	\$ 19,973.68
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

Appendix B
Change Orders, Contingency Allocations

Through: March 4, 2016

ID	Budget Category	Source	Contract	Contingency Usage Type	Contingency Usage #	Date	Description	Status	AMOUNT (3/3/16)
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	\$ -
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 160,193,201,205,209,226,227,248,268	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	LTK	Change Order	N/A	TBD	LTK - Additional Staff Time #1	Estimated	\$ 301,000.00
67	Design	Unallocated Contingency	PB	Change Order	N/A	TBD	Additional construction support work needed	Estimated	\$ 20,000.00