



Cincinnati Streetcar Monthly Report December 2014

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Appendices

Appendix A – Budget vs. Expenditure Report

Appendix B – Change Order Status Report

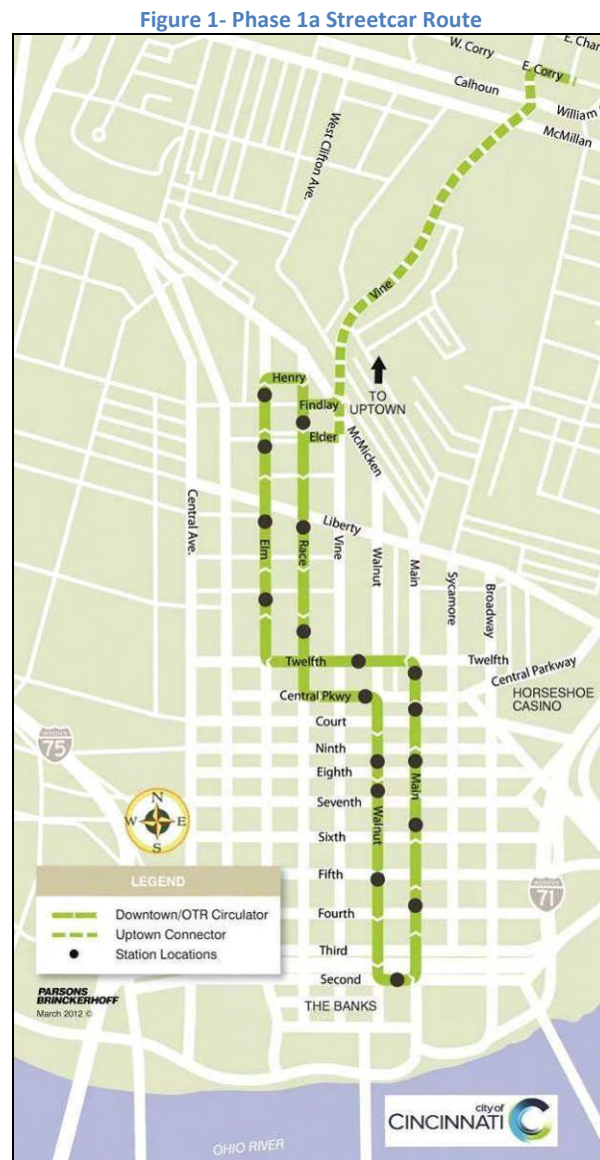
Appendix C - MPD Monthly Schedule Update

Appendix D – Grant Drawdown Summary

Cover Photo: Last weld on the Over-The-Rhine track loop

Project Overview

The City is constructing a modern streetcar system connecting the Central Business District (CBD) and the Uptown area and surrounding neighborhoods through the Over-the-Rhine (OTR) neighborhood. Phase 1a of the Cincinnati Streetcar system consists of a 3.6 mile circulator route through the CBD and OTR extending from The Banks riverfront development at 2nd Street to Henry Street near Findlay Market. The Phase 1a route will be serviced by five modern streetcar vehicles operating on embedded rail in shared right-of-way, with 18 station stops and a maintenance facility at the northern end of the route.



Monthly Report – December 2014

1. Progress Update Summary

December construction and streetcar production continued to progress within schedule to start operations in September 2016. Both contracts continued to be within their appropriated budget. The construction contract continued to be on target to meet the Disadvantaged Business Enterprise (DBE) target. Utility construction, both under the City's contract with Messer-Prus-Delta Railroad Joint Venture (MPD) and through third party utilities has continued on schedule to support the track construction and within their respective allocated budgets.

Traction Power Substation (TPSS) foundations continued at TPSS #1 in December. TPSS #3 at Race and Findlay was set on December 15 to coordinate with Findlay Market being closed. TPSS #2 conduit was installed at Walnut and 12th. Pole foundations were installed on Race, Henry-Findlay and on Walnut, Central Parkway-E. Court. OCS poles were set on Henry, Elm-Race also. OCS bracket and arm installation continued in December on Elm, 12th-Henry.

Existing pavement removal for track work continued on Race near Elder and at 3rd and Main in December with pavement reconstruction resuming at 3rd and Main. Track concrete and rail installation continued on Race near Elder; Main and Walnut, 2nd to 3rd; 2nd, Walnut to Main and in the MOF yard. Concrete work on Stop #11 started and was completed in December. Sidewalk and handicapped ramp restoration continued on Race; Henry to Elder; Race at 13th and 14th; 12th, Republic to Race and Walnut, Central Parkway and 12th. In December crews completed milling and hand chipping for the track slab installation on 2nd; Walnut to Main and completed approach slab work at 3rd and Walnut and resumed at 3rd and Main.

At the MOF site, MEPS and owner equipment installation, cleaning and sealing floors continued in December. Life safety testing began in preparation for the buildings turn over in early 2015. Site concrete paving and exterior fencing also continued at the MOF throughout December.

Regarding utility construction by MPD and their subcontractors, water main crossover installation concluded on Main from 6th to 12th in December, allowing tie-ins to begin at Central Parkway, 5th-6th, E. Court and 9th. Sewer work resumed on Walnut, 4th-5th and started at Main and 12th. Traffic signal work continued at Race and Elder with traffic control conduits installed on Walnut at Central Parkway to 9th and at 3rd.

Third Party utility work is in its last stages with Duke scheduled to complete their last manhole in January 2015 and be off site in April after completing conduit work, cable pulling in their new systems and abandonment of their old systems. All other utilities have minor work to complete that does not affect schedule.

Off-site, CAF made good progress on the streetcars, both on the approval of vehicle components and streetcar body construction and final assembly. The next set of streetcar bodies were shipped to the US factory in Elmira, New York while necessary tests and approvals of components continued.



Photo 1: An Aerial View of the Streetcar's horseshoe curve from Walnut to 2nd Street to Main Street

2. Progress Details

2.1. Civil Construction Schedule

The end of month review of the work completed showed MPD and the third party utilities have continued to be on schedule to meet the contractual milestones established in April 2014 by the change order to document the delays caused by the Council-mandated pause. No other schedule changes have been received from MPD. All schedule issues to date have been worked through in a cooperative manner between the City and MPD.

- 📅 Maintenance and Operations Facility (MOF) and test track completion – March 21, 2015
- 📅 OTR Loop Completion – July 19, 2015
- 📅 Completion of all work – April 4, 2016
- 📅 Revenue Service start – September 15, 2016 (unchanged from original construction contract with MPD)

The construction of the streetcar system includes numerous components of work, some of which involve third party utility work performed by the utilities themselves, rather than MPD. The utility companies have submitted refreshed schedules on a weekly basis with a coordination meeting sponsored by the City between the City, MPD, and all involved utilities once a month.

Appendix C shows the projected working schedule for streetcar trackwork.

2.2. Trackwork and associated construction

- 📅 Existing pavement removal continued on Race near Elder and at 3rd and Main in December.
- 📅 Pavement reconstruction resumed at 3rd and Main.
- 📅 Track concrete and rail installation continued on Race near Elder; Main and Walnut, 2nd-3rd; 2nd, Walnut-Main and in the MOF yard.
- 📅 Concrete work on Stop #11 started and was completed in December.
- 📅 Sidewalk and Handicapped ramp restoration continued on Race; Henry-Elder; Race at 13th and 14th; 12th, Republic-Race and Walnut, Central Parkway and 12th.
- 📅 In December crews completed milling and hand chipping on 2nd; Walnut-Main and completed approach slab work at 3rd and Walnut and resumed at 3rd and Main.



Photo 2: Track work on Race at Elder adjacent to Findlay Market



Photo 3: Trackwork on Race at Elder

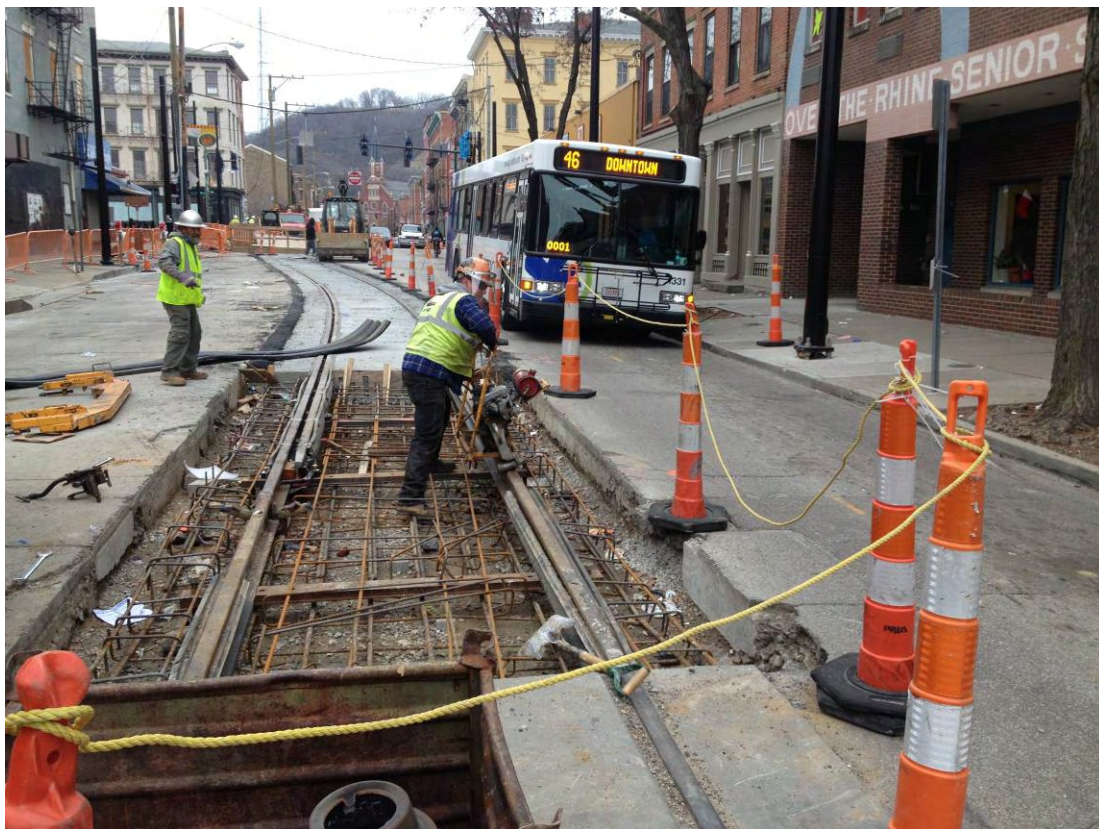


Photo 4: Grinding the final weld on the Over-the-Rhine loop smooth, Race south of Elder



Photo 5: Heavily reinforced approach slab ready for concrete



Photo 6: Main St intersection with Third gets new pavement to accommodate track geometry while Duke adjusts manhole for next concrete



Photo 7: Adjusting pull boxes and manholes in approach slab and sidewalk



Photo 8: Top mat of rebar goes in prior to concrete on 2nd Street tangent track

2.3. Maintenance and Operations Facility (MOF)

- 📄 Mechanical, electrical, and plumbing (MEPS) and owner equipment installation.
- 📄 Cleaning and sealing floors.
- 📄 Life safety testing began in preparation for the buildings turn over in early 2015.
- 📄 Site concrete paving and exterior fencing continued throughout December.



Photo 9: Aerial view from the west of the MOF, the yard and the north end of the Phase 1a track loop with Rheingest Brewery in the foreground



Photo 10: Freshly sealed floor at the MOF truck storage area



Photo 11: Training on the MOF lighting control system



Photo 12: Trackwork at the MOF



Photo 13: Trackslab concrete at the MOF

2.4. Utilities

In December, MPD-managed utility work included

- ☐ Water main crossover installation concluded on Main from 6th to 12th in December
- ☐ Watermain tie-ins began on Main at Central Parkway, 5th-6th, E. Court and 9th.
- ☐ Sewer work resumed on Walnut, 4th to 5th and started on Main and 12th.
- ☐ Traffic signal work continued at Race & Elder.
- ☐ Traffic control conduits were installed on Walnut, Central Parkway to 9th and at 3rd.
- ☐ Traction Power Substation (TPSS) foundations continued at TPSS #1 in the Riverfront Transit Center.
- ☐ TPSS #3 at Race and Findlay was set on Monday 12/15 to coordinate with Findlay Market being closed and with extensive coordination with Duke to de-energize the overhead power lines.
- ☐ TPSS #2 conduit was installed at Walnut & 12th.
- ☐ Pole foundations were installed on Race, Henry to Findlay and on Walnut, Central Parkway to East Court. OCS poles were set on Henry, Elm to Race.
- ☐ OCS bracket and arm installation continued last month on Elm, 12th to Henry.



Photo 14 and 15: Conduit tie-in to power TPSS #2 between transmission line to duke Manhole at 12th and Walnut



Photo 16: TPSS #2 platform under construction in the Riverfront Transit Center



Photo 17: Sewer manhole bottom concrete being placed on Walnut between 4th and 5th

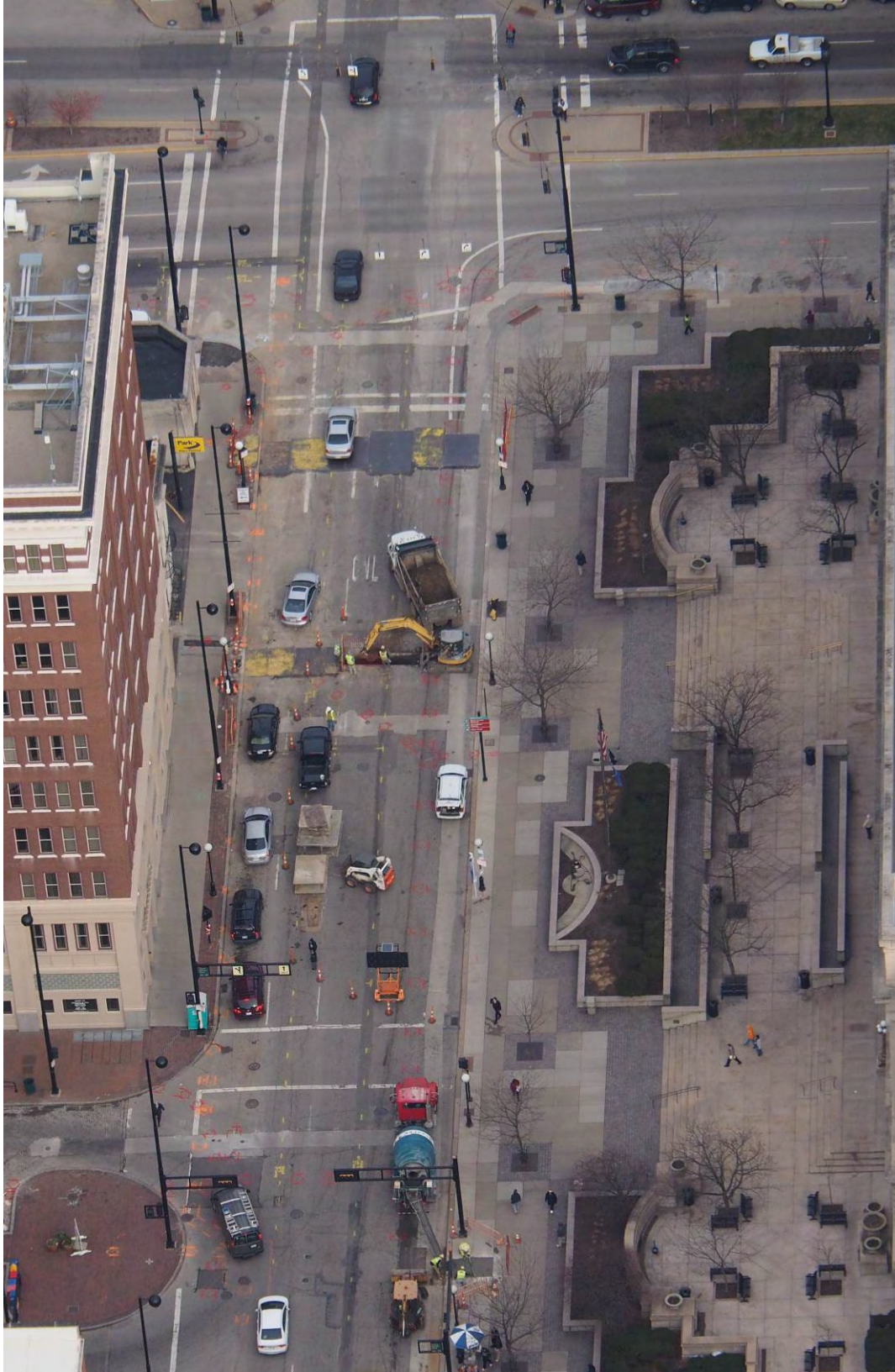


Photo 18: Watermain tie-ins on Main St adjacent to Hamilton County Administration Building and Courthouse



Photo 29: Positioning TPSS 3 to lift into position on Race at Findlay



Photo 20: Lifting TPSS #3 over the de-energized Duke overhead electric lines



Photo 21: Setting TPSS #2 into final position

Third Party utility contractors continued renewal and relocation of their facilities:

- ☐ Duke Energy manhole and conduit work: Main at 5th, between 5th and 6th, 6th, and 8th, between 3rd and 4th
- ☐ Duke Energy cable pulling, multiple locations on Main Street
- ☐ Time Warner Cable overhead telecomm work, Elm Street from 14th St to Henry and on Race St, 14th to 15th Cable and Liberty to Henry underground and overhead telecomm work



Photo 223: Cincinnati Bell removing old utility pole on Race at Findlay after installing their system underground

2.5. Community Involvement

- 📄 Throughout December regular weekly emails were sent out including a special one just prior to Christmas which included 3 progress videos.
- 📄 A Stakeholders Meeting was held on 12/9/14 in the Aronoff Center. The next meeting was scheduled for Wednesday 1/14/15 in the Public Library Tower Room.
- 📄 There was extensive communication and coordination in December with numerous groups, including Findlay Market, SCPA, Major League Baseball, Lache restaurant, City West HOA, St. Joseph School and Metro.
- 📄 Milestones were noted of 1st track section on elevated structures and the last weld on the OTR loop.
- 📄 Requests for information from various media outlets took place throughout the month with a particular focus on construction related traffic delays, operations and maintenance of the streetcar and construction progress.
- 📄 Streetcar continued to coordinate with *RoadmapCincy* to put out press releases and other public information.
- 📄 MPD and City staff continued to canvas various blocks along the route to inform residences and businesses of upcoming work.
- 📄 Open for Business signs followed locations impacted by utility and track work throughout the route.
- 📄 Extensive coordination with Findlay Market continued throughout December.
- 📄 The Team also presented to the City Council Major Transportation committee as part of their initiative to keep City Council informed on the project.
- 📄 MPD staff partnered with the St. Joseph school at Linn & Ezzard Charles on 12/19 for lunch and an art project to be displayed on the storage yard fencing in 2015.
- 📄 The Project Executive provided a briefing to 83 individuals for the Cincinnati Women's Club.
- 📄 The Team attended the monthly Joint Operations Taskforce meeting for the Central Riverfront and a follow-up Special Events coordination meeting in preparation for the construction and special events in March 2015.

2.6.MPD Billings for December

Bid Form Section	Total	Prev. Incurred	November (Net ret)
Behind the Curb Work	\$1,456,894	\$25,878	\$3,613
Central Parkway Median	\$116,455	\$81,399	\$21,440
Civil, Roadway and Drainage	\$10,445,950	\$6,460,596	\$253,058
Communication System	\$1,228,959	\$100,347	\$73,560
Corrosion Control	\$354,682	\$209,262	\$14,187
Misc. Items	\$5,075,000	\$3,519,327	\$45,560
MOF Civil and Track	\$3,170,177	\$2,134,921	\$163,723
MOF	\$8,744,492	\$7,462,304	\$71,955
OCS Mainline	\$5,502,798	\$1,627,798	\$158,761
Signal System Streetcar	\$669,588	\$272,001	\$24,386
Streetcar Stop Shelters and Sitework	\$2,243,714	\$1,034,376	\$63,219
Trackwork on Grade	\$13,018,686	\$9,100,743	\$1,010,133
Trackwork on Structures	\$2,950,663	\$733,500	\$48,000
Traction Power	\$6,566,003	\$1,414,398	\$2,427,812
Traffic Signals and Lighting	\$4,793,179	\$2,111,665	\$29,392
Water Main - Main Street	\$2,508,352	\$1,928,513	\$90,445
Water Main - Walnut Street	\$2,046,457	\$1,785,036	\$0
CO#1	\$492,933	\$7,285	\$10,000
CO#2	\$100,000	\$52,861	\$0
CO#3	\$359,745	\$388,750	\$0
CO#4	\$265,211	\$69,533	\$7,140
CO#5	\$637,108	\$637,108	\$0
CO#6	\$313,782	\$128,782	\$0
Totals:	\$73,060,830	\$41,286,385	4,516,384

3. Vehicles

Vehicle production continued throughout December with carshell fabrication continuing in Spain as well as the arrival of the second carshell shipment at CAF's facility in Elmira.

3.1. Schedule

In August 2014, City and CAF finalized terms of a Change Order reflecting the schedule impacts of the December 2013 City Council-mandated "pause" on the vehicle contract. In addition to a shift in vehicle delivery dates, the Change Order synchronizes other contractual milestones, such as delivery of training and manuals, with the new civil construction milestones and projected operations and maintenance startup activities.

Vehicle delivery dates, as reflected in the amended contract are as follows:

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

The City and its vehicle engineering consultant, LTK, continue to monitor the CAF schedule on a monthly basis. At this time, progress continues on schedule, though delivery of subsupplier equipment and passage of related First Article Inspections (FAI) and qualification testing will be critical activities.

3.2. Design and Production Activities

Vehicle production continued in Spain with the fabrication of carbody components at CAF's plant in Zaragoza, Spain and truck frame components at CAF's Beasain, Spain facility. The first set of carshells arrived from Spain in late August 2014 at CAF's facility in Elmira, NY where final assembly of the first Cincinnati Streetcar moved along in December while the second carshell arrived on December 2.

Design activities also continued as the City and LTK responded to design submittals and contract correspondence from CAF. Various First Article Inspections (FAI) and testing activities for vehicle components and systems. CAF subsuppliers will need to meet delivery targets to keep vehicle production on schedule. In addition, approval of test procedures and passage of qualification and other tests will be critical to keeping vehicle production on schedule to meet the contractual delivery dates.

LTK, The City's Consultant, has a full time inspector embedded in the Elmira, NY plant overseeing and documenting the construction of the Streetcars. He continued this work in December with the first streetcar assembly.



Photo 234: Wiring the ceiling of the roof panel with it flipped over in the assembly jig



Photo 24: Auxiliary battery and control box prior to mounting on the roof panel



Photo 25: Streetcar cab fairing, installed over a structural frame

4. Budget and Expenditures

4.1. Budget vs. Expenditures

Through December 31, 2014, \$72,274,044.27 has been expended on the project (not including Duke escrow). In addition, \$53,366,043.97 remains encumbered against open contractual obligations. Appendix A contains a breakout of project budget vs. expenditures by budget category.

4.2. Major Contract Activity

Through December 31, 2014, six change orders have been issued against the civil construction contract with MPD. Change Order #1 covered labor, materials, and bonding costs associated with the delay in the issuance of NTP and totaled \$492,933. This amount is reflected as part of the base contract budget in Appendix A.

In January 2014, the City and MPD executed Change Order #2 to the MPD contract in the amount of \$100,000 as directed by City Council to cover costs associated with the City Council-mandated stop work order. In addition, the City executed Change Order, #3 to the civil construction contract in the amount of \$359,745.00. Change Order #3 includes costs related to prevailing wage and additional potholing (excavation for utility exploration and identification) as well as revisions to sanitary manholes and communications conduits. Change Order #4 includes costs related to various design modifications to the MOF, station stop shelter equipment, OCS poles, and underground conduit crossings. Change Order #5, which was executed in April 2014, included costs related to the City Council-mandated stop work order. Change Order #6 was executed in July, 2014 and includes various modifications to the water works managed relocation work.

A summary of contract change orders for the civil construction and vehicle contracts can be found in Appendix B.

4.3. Federal Grant Activity

Through December 31, 2014, \$19,138,877 of the \$45.2 Million in total federal funds for the project has been drawn and matched by the City. An additional \$2,082,449 in grant reimbursement requests is pending.

Two of the four federal grants have been closed out: the CMAQ grant, and the SORTA rail right of way grant.

Grant drawdown activity is summarized on Appendix D.

5. Safety and Security, Operations and Maintenance Planning

5.1. Job Site Safety

All on-site workers received project stickers and safety vests to identify them as part of the project team following their orientation. No lost time accidents were reported in December. Most minor incidents continue to involve utility damage because of miss-marked or un-marked facilities. Old streetlighting conduits are a particular problem. The Team has continued to work with Ohio Utility Protection Service (OUPS) and the Department of Public Services to insure up to date information and careful excavation by the contractors, both MPD and Third Party Utility Companies.

- 📄 Safety Oriented-To date: 696
- 📄 Safety Oriented-December: 10
- 📄 Safety Orientations-December: 5
- 📄 Total worker-hours worked to date: 173,741
- 📄 Total worker-hours worked without a lost time accident: 72,442
- 📄 Lost Time Accidents-To date: 3
- 📄 Lost Time Accidents-December: 0
- 📄 Incidents-To date: 95
- 📄 Incidents-December: 6

5.2. November 2014 SORTA Activities, Including Safety and Security Certification

5.2.1. Operations & Maintenance Planning

SORTA continued to hold internal Streetcar Rail Activation Committee (SRAC) meetings to track internal SORTA departmental progress for Streetcar system start-up. These were held on 12/3 and 12/30 and focused primarily on the upcoming Request for Proposals (RFP). The Streetcar Request for Proposals (RFP) has been modified into a “dual-approach” where proposers will be required to submit both under a turnkey scenario where the contractor is responsible for all of the staffing for the streetcar operations scope and a management contract scenario where the contractor is responsible for everything but the represented employees would be provided by SORTA. Work in December included refinements to the scope of work to accommodate the dual approach and development of the associated pricing sheets. Other technical details have been incorporated including additional details on the infrastructure and vehicle testing programs, the spare parts and insurance requirements.

SORTA issued the draft RFP for industry review from December 9 through December 18, 2014. Over 150 substantive comments on the draft were received from seven major firms. The comments were evaluated and used to provide additional information, modify the scope or commercial terms or change the proposed procurement schedule. The industry review process, while not a universal transit industry practice, provided useful input and changes into the draft RFP.

SORTA held a Streetcar RFP Industry Day on December 17, 2014 at the Duke Energy Convention Center. This event was structured to provide an opportunity for the potential prime contractors to meet with the local subcontracting community, including DBE firms. The event was a success with close to 200 attendees, including five prime contractors and Local 627 of the Amalgamated Transit Union (ATU) represented. Briefings on the RFP process, the Cincinnati Streetcar and time for networking were all included. Bus tours of the streetcar construction and the Maintenance and Operating Facility (MOF) were conducted for participants.

SORTA is scheduled to release the RFP on January 6, 2015 and proposals are due on March 3, 2015.

5.2.2. Fare Equipment RFP

The requirements for the fare collection equipment have been finalized. SORTA is evaluating the best method for procurement of the equipment including a new RFP or utilization of existing SORTA contracts.

5.2.3. Operating Agreement

The SORTA Board of Trustees approved the Operating Agreement at the December 9, 2014 Board meeting following City approval on November 19, 2014.

5.2.4. Streetcar Vehicle

Trapeze, Inc., the SORTA Streetcar vehicle communications equipment vendor, continues to deliver equipment to the CAF USA facility in Elmira, NY. Additionally SORTA executed a contract with Delta Manufacturing of Escanaba Michigan for the provision of a model RTS 1000 Wheel Truing Machine (WTM). The WTM will be incorporated into the MOF.

5.2.5. Safety & Security Certification

A Safety and Security Review Committee (SSRC) meeting was held on December 12 and 19, 2014. The Ohio Department of Transportation is the FTA designated State Safety Oversight for Rail Transit in Ohio. SORTA, City, ODOT and consultant staffs met to coordinate activities on December 16, 2014.

5.2.6. Upcoming SORTA Board of Trustee Actions

-  Intergovernmental Streetcar Operating Agreement with the City of Cincinnati;
-  Amendment #6 of Streetcar Inter-Governmental Agreement for purchase of Fare Collection and Miscellaneous Information Technology and Telephone Equipment for the Cincinnati Streetcar (anticipated March 2015);
-  Award of contract for Streetcar Fare Collection Equipment (anticipated Spring/Summer 2015);
-  Award of contract for Streetcar Operations & Maintenance Services and associated agreements (anticipated June 2015).



Photo 56: Streetcar briefing at the Cincinnati Convention Center to the attendees of Industry Day prior to project tour

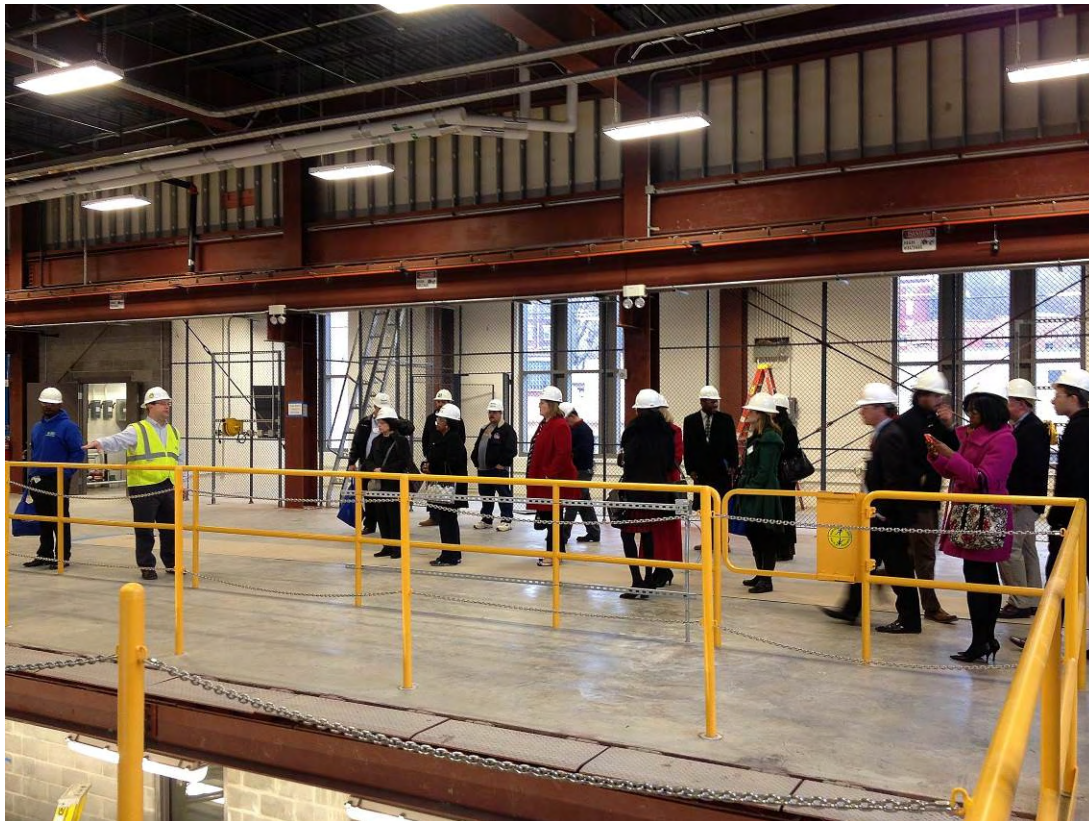
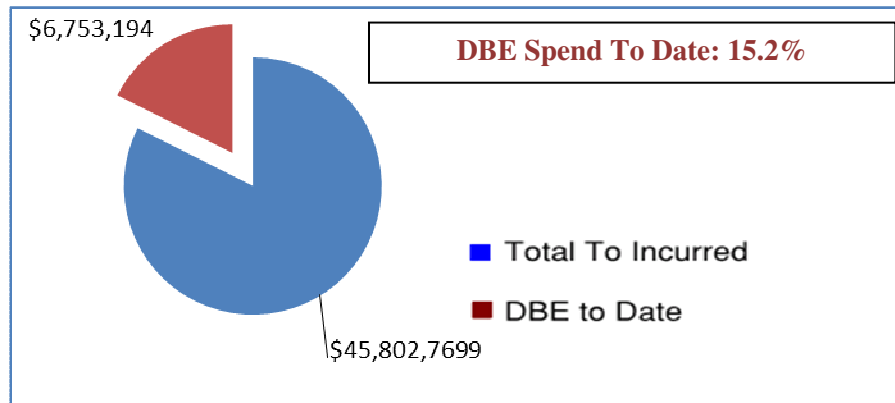


Photo 67: Tour of the MOF during Industry Day for potential O&M contractors and subcontractor

6. DBE Inclusion Compliance

MPD remain on-track to meeting their target to meet its DBE goal for the project expenditures. Much of the DBE Contracted work will be billed later in the construction. Please note the dollars incurred may not correspond to the dollars billed by the contractor. As the construction phase continues, value engineering, site conditions, or other circumstances may precipitate modifications to the construction work which could impact DBE subcontractors. The City will continue to monitor the impact of such changes on MPD's performance against the DBE goal and seek ways to maximize DBE spending.



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 (Goal):

Minority & Female Utilization		
	Actual	Goal
Minority Hours	18.1%	11.9%
Female Hours	3.6%	6.9%
Minority Female	57.4%	50.0%

7. 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 regularly scheduled Quarterly Review Meeting took place in Cincinnati on December 10th. The next monthly meeting will take place on January 28, 2015.



Photo 78: Tour of the MOF during the December FTA Quarterly meeting

Cincinnati Streetcar Budget vs. Expenses

12/31/2014

Sources	
Urban Circulator	\$ 24,990,000.00
CMAQ	\$ 4,000,000.00
TIGER	\$ 15,920,000.00
SORTA Rail ROW Grant	\$ 268,278.00
City - Bonds/Streetlights/Duke	\$ 70,500,000.00
City - Duke ESCROW Appropriation	\$ 15,000,000.00
City- Additional Appropriation - June 2013	\$ 17,400,000.00
TOTAL SOURCES	\$ 148,078,278.00

BUDGET - June 2013				EXPENSES 12/31/2014			(Base + Alloc. Cont.) LESS (Exp. + Enc.)
Budget Category	Total Base Cost	Allocated Contingency	Base + Allocated Contingency	Expended	Encumbered	Expend. + Encumb.	
Pre-Development	\$ 1,313,786.00	\$ -	\$ 1,313,786.00	\$ 1,264,628.13	\$ 49,157.87	\$ 1,313,786.00	\$ -
Design	\$ 14,396,348.04	\$ 202,370.96	\$ 14,598,719.00	\$ 14,313,044.86	\$ 23,132.15	\$ 14,336,177.01	\$ 262,541.99
Real Estate	\$ 2,010,143.00	\$ -	\$ 2,010,143.00	\$ 2,011,186.00	\$ -	\$ 2,011,186.00	\$ (1,043.00)
Construction	\$ 50,511,908.33	\$ 2,000,000.00	\$ 52,511,908.33				
MOF	\$ 11,914,668.98	\$ -	\$ 11,914,668.98				
Utilities (Project)	\$ 6,958,405.62	\$ -	\$ 6,958,405.62	\$ 41,692,361.24	\$ 29,692,621.69	\$ 71,384,982.93	\$ -
Utilities (3rd Party)	\$ 6,147,858.14	\$ 77,207.23	\$ 6,225,065.37	\$ 2,351,096.23	\$ 3,315,761.91	\$ 5,666,858.14	\$ 558,207.23
Vehicles	\$ 23,111,373.00	\$ 2,101,722.40	\$ 25,213,095.40	\$ 5,875,682.91	\$ 17,099,136.84	\$ 22,974,819.75	\$ 2,238,275.65
Fare Vending	\$ 500,000.00	\$ 50,000.00	\$ 550,000.00	\$ -	\$ -	\$ -	\$ 550,000.00
City Project Administration	\$ 4,250,675.64	\$ 190,800.63	\$ 4,441,476.27	\$ 2,373,306.91	\$ -	\$ 2,373,306.91	\$ 2,068,169.36
SORTA Project Administration	\$ 2,000,000.00	\$ 100,000.00	\$ 2,100,000.00	\$ 677,318.15	\$ 1,322,681.85	\$ 2,000,000.00	\$ 100,000.00
Start-up	\$ 250,000.00	\$ -	\$ 250,000.00	\$ -	\$ -	\$ -	\$ 250,000.00
Unallocated Contingency	\$ 4,991,010.00	\$ -	\$ 4,991,010.00	\$ 1,715,419.84	\$ 1,863,551.66	\$ 3,578,971.50	\$ 1,412,038.50
Subtotal	\$ 128,356,176.75	\$ 4,722,101.22	\$ 133,078,277.97	\$ 72,274,044.27	\$ 53,366,043.97	\$ 125,640,088.24	\$ 7,438,189.73
Utilities (Duke Escrow)	\$ 15,000,000.00	\$ -	\$ 15,000,000.00	\$ 15,000,000.00	\$ -	\$ 15,000,000.00	\$ -
Grand Total	\$ 143,356,176.75	\$ 4,722,101.22	\$ 148,078,277.97	\$ 87,274,044.27	\$ 53,366,043.97	\$ 140,640,088.24	\$ 7,438,189.73

Appendix B
Change Orders, Contingency Allocations

Through: December 31, 2014

ID	Budget Category	Source	Contract	Contingency Usage Type	Contingency Usage #	Date	Description	REASON	Amount (12-8-14)	Status	AMOUNT (12-31-14)
1	Construction	Base	MPD	Change Order	1	8/2/2013	Labor, bonding, and materials costs associated with delay in contract NTP date.	DUE TO CITY COUNCIL DELAY IN CONTRACT AWARD	\$ 492,933.00	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"	DUE TO CITY COUNCIL MANDATED PAUSE DEC 2013	\$ 100,000.00	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	field conditions, design modifications	\$ 359,745.00	Complete	\$ 359,745.00
4	Construction	Allocated Contingency	MPD	Contingency Allocation	1	11/8/2013	Empty conduit crossings; non-perform test station	field conditions, design modifications	\$ 15,791.64	Complete	\$ 15,791.64
5	Construction	Allocated Contingency	MPD	Contingency Allocation	2	11/8/2013	GCWW field conditions	field conditions, design modifications	\$ 3,571.00	Complete	\$ 3,571.00
6	Construction	Allocated Contingency	MPD	Contingency Allocation	3	12/30/2013	Mortar for granite pavers	field conditions, design modifications	\$ 6,825.00	Complete	\$ 6,825.00
7	Construction	Allocated Contingency	MPD	Contingency Allocation	4	12/30/2013	Additional abatement at MOF site	field conditions, design modifications	\$ 32,290.65	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	field conditions, design modifications	\$ 31,309.00	Complete	\$ 31,309.00
9	Unallocated Contingency	Unallocated Contingency	Thelen	Certification	N/A	10/21/2013	Materials testing	additional consultant support	\$ 108,594.50	Complete	\$ 108,594.50
10	Unallocated Contingency	Unallocated Contingency	KPMG	Certification	N/A	12/11/2013	City Council-mandated audit costs	DUE TO CITY COUNCIL MANDATED PAUSE DEC 2013	\$ 250,000.00	Complete	\$ 250,000.00
11	Unallocated Contingency	Unallocated Contingency	Transystems	Certification	N/A	8/30/2013	Schedule review support	additional consultant support	\$ 60,728.00	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;	field conditions, design modifications	\$ 265,211.25	Complete	\$ 265,211.25
13	Construction	Unallocated Contingency	MPD	Change Order	5	4/21/2014	City Council-mandated Delay Claim	DUE TO CITY COUNCIL MANDATED PAUSE DEC 2013	\$ 637,108.00	Complete	\$ 637,108.00
14	Design	Unallocated Contingency	PB	Certification	N/A	8/25/2014	Additional construction support work needed	additional consultant support	\$ 608,948.31	Complete	\$ 608,948.31
15	Construction	Unallocated Contingency	MPD	Change Order	6	7/22/2014	Water Works design changes	design modifications	\$ 313,782.44	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	field conditions, design modifications	\$ 79,870.00	Complete	\$ 79,870.00
17	Construction	Allocated Contingency	MPD	Contingency Allocation	7	5/9/2014	WTM conduit; Findlay dielectric membrane; Elm St. mill	design modifications	\$ 52,503.00	Complete	\$ 52,503.00
18	Unallocated Contingency	Unallocated Contingency	Transystems	Certification	N/A	7/22/2014	Task 4 - Schedule review support through MOF completion	additional consultant support	\$ 68,854.00	Complete	\$ 68,854.00
19	Unallocated Contingency	Unallocated Contingency	Duke Energy	Certification	N/A	7/31/2014	Electrical service installation costs	field conditions	\$ 200,000.00	Complete	\$ 200,000.00
20	Construction	Allocated Contingency	MPD	Contingency Allocation	8	7/22/2014	basement encroachment, cellar door, GCWW force acct.,manhole mods	field conditions, design modifications	\$ 130,151.00	Complete	\$ 130,151.00
21	Construction	Allocated Contingency	MPD	Contingency Allocation	9	10/1/2014	various MOF, sewer, GCWW , other revisions,	field conditions, design modifications	\$ 301,038.40	Complete	\$ 301,038.40
22	Construction	Allocated Contingency	MPD	Contingency Allocation	10	11/17/2014	Contingency Allocation #10	field conditions, design modifications	\$ 210,137.50	Complete	\$ 210,137.50
23	Unallocated Contingency	Unallocated Contingency	DELTA Mfg.	Certification	N/A	TBD	Wheel Truing Machine	design modifications	\$ 606,000.00	Complete	\$ 606,000.00
24	Construction	Allocated Contingency	MPD	Contingency Allocation	N/A	TBD	Submitted ECI's from MPD	potential field conditions, design mods	\$ 421,403.00	Pending	\$ 160,440.00
25	Construction	Allocated Contingency	MPD	Contingency Allocation	N/A	TBD	Estimated ECI's from MPD	potential field conditions, design mods	\$ 195,363.00	Pending	\$ 165,230.00
26	Construction	Allocated Contingency	MPD	Contingency Allocation	N/A	TBD	TPSS# 2 and 3 screenwall changes	potential design mods	\$ 350,000.00	Estimated	\$ -
27	Construction	Unallocated Contingency	MPD	Change Order	N/A	TBD	Spare Switch Points	potential design mod/Capital Equipment Needs	\$ 74,394.00	Estimated	\$ 40,000.00
28	Construction	Unallocated Contingency	MPD	Change Order	N/A	TBD	MOF Cameras and Alarm?	Safety & Security Needs	\$ 300,000.00	Estimated	\$ 300,000.00
29	City Project Administration	Unallocated Contingency	City	Certification	N/A	TBD	City- Additional Staff Time	additional staff time	\$ 1,057,006.27	Pending	\$ 1,063,540.70
30	City Project Administration	Allocated Contingency	City	Certification	N/A	TBD	City- Additional Staff Time	additional staff time	\$ 190,800.63	Pending	\$ 190,800.63
31	Construction	Unallocated Contingency	MPD	Change Order	N/A	TBD	MOF Telecomm wiring	design modifications	\$ 300,000.00	Estimated	\$ -
32	Construction	Allocated Contingency	MPD	Contingency Allocation	N/A	TBD	Ford Force Account	field conditions	\$ 280,000.00	Estimated	\$ 120,000.00
33	Vehicles	Allocated Contingency	LTK	Certification	N/A	TBD	LTK - Additional Staff Time	additional consultant support - RESULT OF COUNCIL MANDATED STOP WORK ORDER	\$ 1,000,000.00	Pending	\$ 1,000,000.00
34	Unallocated Contingency	Unallocated Contingency	Duke Energy	Certification	N/A	TBD	Duke hookup costs	Capital Equipment Needs	\$ 150,000.00	Estimated	\$ 150,000.00
35	Construction	Unallocated Contingency	MPD	Change Order	N/A	TBD	Additional Quantities Needed	Unforeseen Conditions	\$ 500,000.00	Estimated	\$ 500,000.00
36	Unallocated Contingency	Unallocated Contingency	TBD	Certification	N/A	TBD	Misc. MOF fit out needs	Truck, computers, etc.	\$ 200,000.00	Estimated	\$ 200,000.00
37	Construction	Unallocated Contingency	TBD	Certification	N/A	TBD	Bike Racks, pervious concrete	potential design modification	\$ 100,000.00	Estimated	\$ 10,000.00
38	Unallocated Contingency	Unallocated Contingency	Transystems	Certification	N/A	TBD	Schedule review support Task 5	additional consultant support	\$ 71,242.00	Pending	\$ 71,242.00

ID	Description	Original Duration	Start	Finish	Area
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	04/12/14A	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	12/31/14	12/31/14	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	03/09/15	03/03/15	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	03/30/15	03/30/15	2nd Street and Bridges
Main/2nd to 12th					
17	MOT/Road Removal/Trackwork Start	1	04/01/15	04/01/15	Main/2nd to 12th
18	Track/Road Complete	1	08/24/15	08/24/15	Main/2nd to 12th
OTR					
20	300' Test Track	0		03/22/15	OTR
25	MOF Complete	0		03/22/15	OTR
30	Power and Stations - OTR	0		07/13/15	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
Date Date: 01/01/15
Run Date: 01/19/15

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Contract #121C00905C
January 1, 2015 - Project Schedule

Cincinnati Streetcar

Appendix D
Grant Drawdown Summary

Cincinnati Streetcar Federal Grant Drawdown Activity

Through: 12/31/2014

SOURCE	GRANT NUMBER	ALI CODE	Description	FEDERAL SHARE				LOCAL SHARE			
				Authorized	Drawn	Pending	Amount Remaining	Authorized	Drawn	Pending	Amount Remaining
Urban Circulator	OH-03-0303	12.79.00	City Project Admin.	\$ 1,453	\$ 1,453	\$ -	\$ -	\$ 365	\$ 365	\$ -	\$ (0)
		12.79.00	SORTA Project Admin.	\$ 1,388,545	\$ 612,251		\$ 776,294	\$ 347,137	\$ 153,149		\$ 193,989
		12.23.03	Construction	\$ 7,600,000	\$ 4,532,905	\$ 1,243,268	\$ 1,823,827	\$ 1,900,000	\$ 1,133,229	\$ 310,817	\$ 455,954
		12.13.20	Vehicles	\$ 16,000,000	\$ 3,429,574	\$ 657,336	\$ 11,913,090	\$ 4,000,000	\$ 857,399	\$ 164,335	\$ 2,978,266
Subtotal				\$ 24,989,998	\$ 8,576,183	\$ 1,900,604	\$ 14,513,211	\$ 6,247,502	\$ 2,144,141	\$ 475,152	\$ 3,628,209
CMAQ	OH 95-X054	12.23.03	Construction	\$ 4,000,000	\$ 4,000,000		\$ -	\$ 1,000,000	\$ 1,000,000		\$ -
Subtotal				\$ 4,000,000	\$ 4,000,000	\$ -	\$ -	\$ 1,000,000	\$ 1,000,000	\$ -	\$ -
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)	\$ 38,637	\$ 38,637	\$ -	\$ (0)
		12.79.00	SORTA Project Admin	\$ 211,453	\$ 2,223		\$ 209,230	\$ 52,865	\$ 558		\$ 52,307
		12.23.03	Construction	\$ 15,554,000	\$ 6,137,647	\$ 181,845	\$ 9,234,508	\$ 3,888,500	\$ 1,534,420	\$ 45,462	\$ 2,308,618
Subtotal				\$ 15,919,998	\$ 6,294,416	\$ 181,845	\$ 9,443,737	\$ 3,980,002	\$ 1,573,615	\$ 45,462	\$ 2,360,925
TOTAL				\$ 45,178,274	\$ 19,138,877	\$ 2,082,449	\$ 23,956,948	\$ 11,227,504	\$ 4,717,756	\$ 520,614	\$ 5,989,133