



Cincinnati Streetcar Monthly Report April/May 2014



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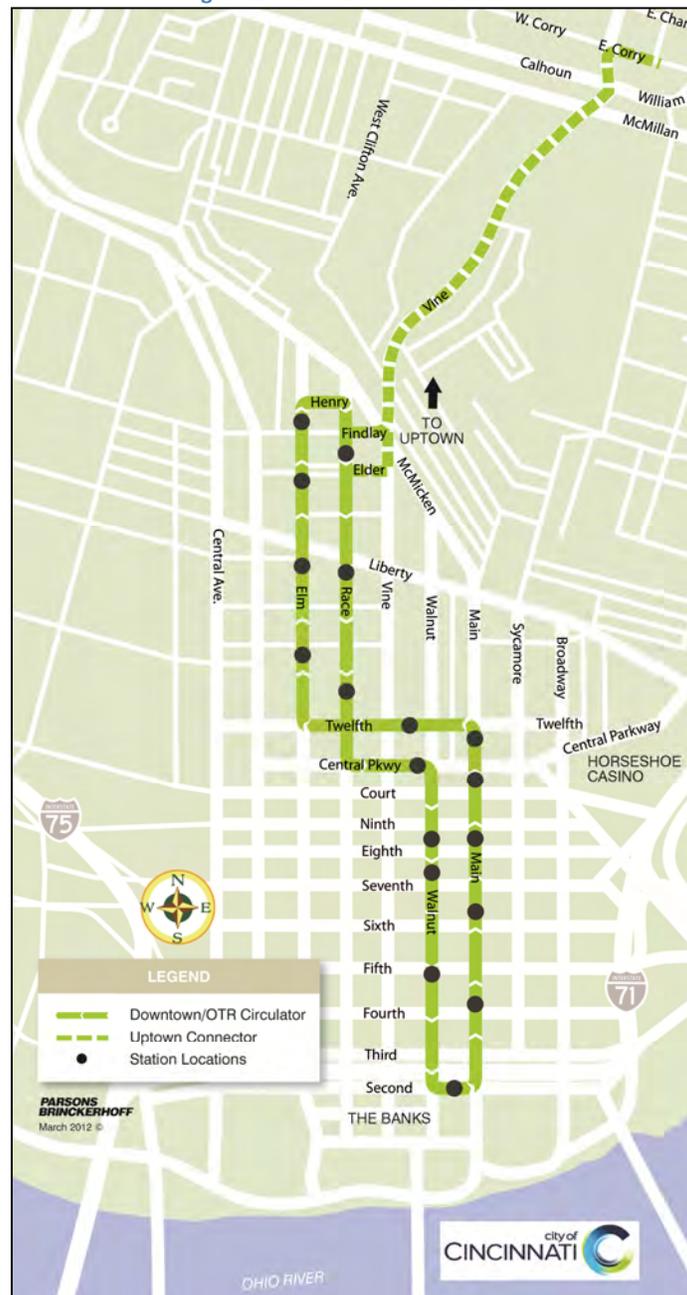
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- Appendix A – Budget vs. Expenditure Report
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Project Overview

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.

Figure 1- Phase 1a Streetcar Route



Monthly Report – April/May 2014

1. Progress Update Summary

April:

During the month of April, civil construction proceeded according to schedule. Track work including the existing pavement removal, rail delivery & installation, track concrete, and temporary restoration took place in multiple locations, including Race from 12th to Central Parkway; intersection of Central Parkway & Race; Central Parkway from Race to Vine; the intersection of Central Parkway & Vine; and Henry from Elm towards Race. Concrete work on Stop #8 was completed while work started on Stops #7 (Elm & 14th) & #9 (Elm & Elder).

Utility work undertaken by the City's contractor proceeded according to plan with waterline work continued all month on Walnut & Main. Crossovers pipes for service connections and connections with existing water mains were completed on Walnut by the end of the month. Traffic control, OCS foundations and Traction Power Substation (TPSS) conduit work took place on Race from Henry to 13th, 12th from Elm to Race, Central Parkway & Walnut and on E. Court between Walnut & Main in April. Sewer work occurred on 12th from Elm to Wade and on Walnut between Central Parkway & E. Court last month. The contractor used exploratory excavation, (potholing) sparingly to assist with utility location on unknown or critical areas.

City managed streetcar related utility work (known as third party work) continued in April at multiple locations.

At the Maintenance and Operating Facility (MOF) site, structural foundations were substantially completed. Under slab plumbing & electrical work continued allowing concrete slab on grade work to be completed. With this progress, structural steel delivery & erection began mid-month. Masonry continued as areas were made available by the progress of the other trades.

May:

In May, the trackwork operations of existing pavement removal, rail delivery & installation, track concrete, and temporary restoration took place on Central Parkway from Vine towards Walnut and at 12th from Elm towards Race. Concrete work on Stops #9 & 10 was completed and work started on Stop #14. At the end of May, Stop #7 was complete except for pavers that are expected to arrive in June.

Waterline tie-ins of building services took place on Main from 3rd to 4th and Walnut between Central Parkway & E. Court St. and 6th to 7th. Water main was installed at the intersection of Walnut & 4th at night to minimize impact of the public.

Traction Power Substation (TPSS) conduit work continued at E. Court between Walnut & Main in May as well as on 12th from Elm to Race. Traffic control conduits were installed at 14th & Race and 12th & Walnut in May. By the end of the month, traffic signal pole installation began at 14th & Elm.

Sewer work continued on Walnut between Central Parkway & 7th St. last month as well as completed at 12th & Vine.

Restoration work at medians occurred at Central Parkway from Race to Vine with sidewalk/handicapped ramps begin restored on Elm from 14th to Henry and Race between McMicken & Henry.



Photo 1 - Thermite Welding of Track Rails at Race and Central Parkway

2. Progress Details

2.1. Civil Construction Schedule

In April 2014, the City completed Change Order #5 to the contract with MPD, finalizing changes to the contractual completion milestones to reflect the impact of the City Council-imposed stop work order in December. As part of Change Order #5, the City and MPD also agreed to re-baseline the construction schedule to reflect these impacts as well as the updated schedules from third party utilities for completion of their respective work. Pursuant to Change Order #5, the new contractual milestones are:

- 📅 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)

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 between the City, MPD, and all involved utilities once a month.

Appendix C shows the projected working schedule for streetcar trackwork.

2.2. Trackwork

April:

Several areas saw milestone progress in April, including the first curved track section at Elm & Henry; the 1st intersection on Central Parkway at Vine St.; the significant intersection of Race & Central Parkway. Additionally, trackwork was installed on Race from 12th to Central Parkway; Central Parkway from Race to Vine, and Henry from Elm towards Race. Work on Stops #7, 8 & 9 took place in April following the installation of track work in these areas.

May:

In May, existing pavement removal, track concrete, rail delivery and installation, and temporary restoration took place on Central Parkway from Vine towards Walnut and at 12th from Elm towards Race. Concrete work on Stops #9 & 10 was completed in April with Stop #14 started. Completion of Stop #7 is awaiting pavers that are expected in June. Restoration work at medians occurred at Central Parkway from Race to Vine with sidewalk/handicapped ramps being poured on Elm from 14th to Henry and Race between McMicken & Henry.



Photo 2 - Bending Rail at Central and Race



Photo 3 - The track is aligned before welding at Central and Race

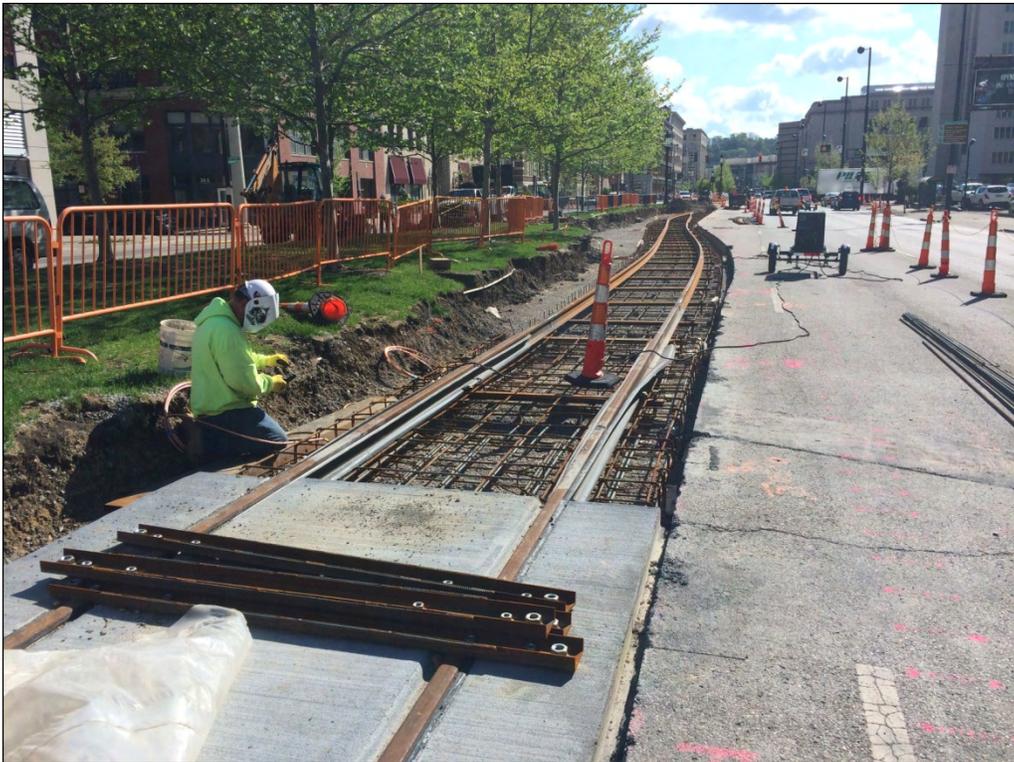


Photo 4 - Rebar welding on Central Parkway



Photo 5 - The unique limestone pieces for the Washington Park stop arrive by truck



Photo 6 - Concrete and Paver work begins on the Washington Park stop



Photo 7 - The Washington Park stop nearly complete

2.3. Maintenance and Operations Facility (MOF)

April:

Structural foundations were substantially completed. This allowed underslab plumbing & electrical work to be installed ahead of the concrete slab on grade pours. With that work completed, structural steel delivery and erection began mid-month and remained the primary activity the rest of the month. Masonry work continued where needed and where room was available for the stone and brick masons to work. Reinforcing steel on the mezzanine started late in April also in preparation for a slab on metal deck pour in June.

May:

Structural steel erection continued all month. Masons were able to complete the east elevation. Mechanical, electrical, and plumbing (MEPS) rough-ins, both under and through the mezzanine deck began in May. MEPS rough-ins also started overhead in the administration area.



Photo 8 - First MOF steel being guided into place



Photo 9 - Part of the MOF's Steel frame taking shape



Photo 10 - The wide MOF Maintenance pit



Photo 11 - More of the MOF steel frame being put in place



Photo 12 - Erecting the MOF structural steel



Photo 13 - The MOF Foundation and pits before the steel and floor slab



Photo 14 - MOF floor slab concrete being placed



Photo 15 - Concrete trucks arriving at the MOF site



Photo 16 - The MOF floor and maintenance pits



Photo 17 - The MOF steel frame



Photo 18 - The second floor of the MOF



Photo 19 - View of the completed MOF wide pit



Photo 20 - Rebar Starting to go in on the second floor of the MOF

2.4. Utilities

Progress with utility relocation continued in April and May, including water line work on Walnut and Main. Crossovers for individual services and connections to existing water mains were completed on Walnut by the end of May while crossovers on began on Main.

- ☐ TPSS conduit work was a new activity in April with work on 12th from Elm to Race and on E. Court St. between Walnut & Main.
- ☐ Sewer work occurred on 12th from Elm to Wade and on Walnut between Central Parkway & E. Court last month, staying ahead of trackwork operations.

Third party utility contractors continued relocation of their facilities in April and May:

ELM STREET

- ☐ 14th to Findlay: Overhead electrical work
- ☐ At Liberty: Concrete work on Stop #8
- ☐ Wade to Glass Alley: Telecomm work

12TH STREET

- ☐ Main to Vine: Underground gas work
- ☐ Main to Race: Underground electrical work
- ☐ Green to Sellew Alley: Telecomm work

RACE STREET

- 📄 Green to Sellew Alley: Telecomm work
- 📄 Liberty to Henry: Overhead electrical work
- 📄 At 12th: Underground Gas Work

WALNUT STREET

- 📄 5th to 6th: Chilled water work
- 📄 5th to 6th: Telecomm work
- 📄 5th to 6th: Telecomm work
- 📄 4th to Government Place: Underground gas work
- 📄 6th to 7th: Underground gas work

MAIN STREET

- 📄 6th to Court: Underground electrical work
- 📄 8th to 12th: Underground gas work
- 📄 At 12th: Underground electrical work
- 📄 Court to 12th: Underground gas



Photo 21 - Water tie-ins on Walnut near 8th



Photo 22 - A TPSS Manhole going into the ground



Photo 23 - TPSS Conduit work on 12th near Elm

2.5. Community Involvement

Both MPD and City DOTE staff participated in the CBD Blitz, with 4 individuals canvassing every property along the route to inform them of upcoming activities and to sign them up for the weekly update.

The Project Executive, Project Manager, and the SORTA Rail Manager provided the following briefings in April and May:

- ☐ Held the monthly streetcar construction stakeholder meetings for both April and May with approximately 50 people at each.
- ☐ Two briefings to Transportation and Major Infrastructure Council Committee on streetcar progress
- ☐ Briefing for Congressman Brad Wenstrup's local staff
- ☐ Coordination Meetings for the NW Sector with City of Cincinnati Police
- ☐ Coordination meeting with US Bank Building regarding stop #17
- ☐ Coordination Meeting with Gerry Link from 21C
- ☐ the Annual OTR Chamber meeting
- ☐ A briefing for the SORTA Board Planning and Operations Committee
- ☐ Briefing to the staff at the Aronoff Center
- ☐ Coordination with Findlay Market for Streetcar Construction
- ☐ An Interview with Local 12 News
- ☐ Monthly Briefing with FTA
- ☐ A Streetcar Route tour for the Cincinnati Visitor's Bureau (CVB)
- ☐ Streetcar Briefing for the 580 Building Management Office
- ☐ Preparation Meeting for the Blitz – in Which every building in the CBD was visited by a member of the streetcar team
- ☐ Multiple coordination meetings with 3CDC
- ☐ Press availability event on the corner of Central parkway and Race preceding the track crossing CP on Race
- ☐ Coordination Meeting with the Banks Project
- ☐ Meeting with the owner of the Hake building
- ☐ Presentation to Port Authority Lunch & Learn
- ☐ Presentation for Library of Cincinnati and Hamilton County for librarians from branch libraries
- ☐ Presentation and participation in University of Cincinnati design studio at Planning College at DAAP regarding Over The Rhine
- ☐ Interview with Cincinnati Enquirer

The City maintains a telephone hotline, (513) 352-3333, which connects directly to the MPD Safety and Communications Manager. The Hotline received three messages in April and eight in May. MPD continued to monitor this line and has responded when required. During April, the project team carried through with considerable coordination with parking lots and businesses, including 3CDC.

Open for Business signs were distributed over the entire route, primarily on 12th Street and south.



Photo 24 - Vocational School Students at Contractor for a day

2.6. Procurement and Project Management Details

Coordination of construction activities with City permitted utility work, maintenance of traffic, public venues' schedules and adjoining projects continued in April and May through the weekly Construction Progress meetings, bi-weekly Communication Coordination meetings, and monthly utility coordination meetings.

Critical conference calls continued in April and May to expedite the review of submittals of items identified by MPD and the City as urgent.

Project QA/QC processes continued to be implemented on all installed work last month. An audit of these systems in April revealed no major issues.

2.7. MPD Billings for March/April

Bid Form Section	Total	Prev. Incurred	Mar (Net ret)
Behind the Curb Work	\$1,456,894	\$2,354	\$8,920
Central Parkway Median	\$116,455	\$0	\$4,000
Civil, Roadway and Drainage	\$10,445,950	\$2,714,016	\$472,177
Communication System	\$1,228,959	\$0	\$0
Corrosion Control	\$354,682	\$78,030	\$28,375
Misc. Items	\$5,075,000	\$2,628,481	\$54,000
MOF Civil and Track	\$3,170,177	\$912,848	\$242,829
MOF	\$8,744,492	\$1,807,570	\$415,051
OCS Mainline	\$5,502,798	\$101,460	\$90,840
Signal System Streetcar	\$669,588	\$6,253	\$58,777
Streetcar Stop Shelters and Sitework	\$2,243,714	\$3,081	\$28,771
Trackwork on Grade	\$13,018,686	\$2,556,269	\$812,648
Trackwork on Structures	\$2,950,663	\$0	\$0
Traction Power	\$6,566,003	\$83,710	\$54,030
Traffic Signals and Lighting	\$4,793,179	\$621,834	\$59,960
Water Main - Main Street	\$2,508,352	\$562,187	\$39,073
Water Main - Walnut Street	\$2,046,457	\$847,997	\$274,424
CO#1	\$492,933	\$7,285	\$0
CO#2	\$100,000	\$51,000	\$0
CO#3	\$359,745	\$52,500	\$0
CO#4	\$265,211	\$0	\$0
Totals:	\$72,109,939	\$13,036,876	\$2,643,875

Table 1 - MPD Billing through March 31, 2014

Bid Form Section	Total	Prev. Incurred	April (Net ret)
Behind the Curb Work	\$1,456,894	\$11,273	\$6,490
Central Parkway Median	\$116,455	\$4,000	\$0
Civil, Roadway and Drainage	\$10,445,950	\$3,186,193	\$285,456
Communication System	\$1,228,959	\$0	\$65,647
Corrosion Control	\$354,682	\$106,405	\$24,828
Misc. Items	\$5,075,000	\$2,682,481	\$85,245
MOF Civil and Track	\$3,170,177	\$1,155,678	\$19,926
MOF	\$8,744,492	\$2,222,621	\$732,409
OCS Mainline	\$5,502,798	\$192,300	\$169,195
Signal System Streetcar	\$669,588	\$65,030	\$64,405
Streetcar Stop Shelters and Sitework	\$2,243,714	\$31,852	\$231,214
Trackwork on Grade	\$13,018,686	\$3,368,917	\$581,187
Trackwork on Structures	\$2,950,663	\$0	\$0
Traction Power	\$6,566,003	\$137,740	\$170,204
Traffic Signals and Lighting	\$4,793,179	\$681,794	\$205,317
Water Main - Main Street	\$2,508,352	\$601,261	-\$16,053
Water Main - Walnut Street	\$2,046,457	\$1,122,421	\$295,489
CO#1	\$492,933	\$7,285	\$0
CO#2	\$100,000	\$51,000	\$1,861
CO#3	\$359,745	\$52,500	\$86,250
CO#4	\$265,211	\$0	\$0
CO#5	\$637,108	\$0	\$637,108
Totals:	\$72,747,047	\$15,680,750	\$3,646,176

Table 2 - MPD Billing through April 30, 2014

3. Vehicles

Streetcar vehicle work continued in April and May as fabrication of carbody components continued in Spain and City and CAF staff continued to evaluate the schedule impact of the December stop work order.

3.1. Schedule

The City is working with CAF on a Change Order reflecting the schedule impacts of the City Council-mandated “pause” on the vehicle contract. While a final Change Order incorporating these changes into the CAF contract has not yet been executed, it is expected that there will be considerable impact on the vehicle delivery schedule as delivery dates for the streetcar vehicles are expected to shift significantly outward. At this time, vehicle delivery dates are expected to move from first and second quarter 2015 to third and fourth quarter 2015. The first vehicles are expected to arrive in Cincinnati in September 2015, with all five vehicles arriving by the end of 2015.

In addition to a shift in vehicle delivery dates, the City and CAF are working to synchronize other contractual milestones, such as delivery of training and manuals, with the new civil construction milestones and projected operations and maintenance startup 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. These components will be sent to Elmira, NY for final assembly of the vehicles in accordance with Buy America requirements.

Design activities continued as the City and LTK responded to design submittals and contract correspondence from CAF. City staff and staff from the City’s vehicle engineering consultant, LTK, traveled to Spain in May to attend Final Design Review (FDR) meetings for installation assemblies and finishings as well as to attend a First Article Inspection (FAI) of the first painted carshell components. These components are expected to ship in June to CAF’s Elmira facility, where they will be assembled into the first Cincinnati streetcar vehicle. Subsequent carshell sets will comprise additional Cincinnati streetcar vehicles and will undergo testing in Spain in June and August before shipping to Elmira for final assembly.



Photo 25 - Project Executive John Deatrick inspects carshell components at CAF's Zaragoza plant



Photo 26 - Cincinnati Streetcar components in production at CAF's Zaragoza, Spain facility



Photo 27 - City and LTK project team members inspect the first Cincinnati streetcar carshell components in Spain.



Photo 28 - CAF engineers conduct Final Design Review meetings with City and LTK project staff in Spain



Photo 29 - SORTA Rail Services Manager Paul Grether and Project Executive John Deatrick inspect streetcar trucks at the Zaragoza Tram maintenance facility

4. Budget and Expenditures

4.1. Budget vs. Expenditures

Through April 30, 2014, \$38,233,083.84 was expended on the project (not including Duke escrow). In addition, \$84,832,166.89 remained encumbered against open contractual obligations.

Through May 31, 2014, \$41,729,843.90 has been expended on the project (not including Duke escrow). In addition, \$81,400,654.51 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 May 31, 2014, five 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, 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, included costs related to the City Council-mandated stop work order.

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 May 31, 2014, \$7,788,821 of the \$44.91 Million in total federal funds for the project has been drawn and matched by the City.

In May, SORTA and the FTA worked to identify \$278,268 in additional federal grant finds that could be applied to the Cincinnati Streetcar project. These grant resources are being provided from an existing federal grant, for which the Southwest Ohio Regional Transit Authority (SORTA) is the grantee, obligated specifically for rail transit purposes.

Due to the age of the grant, which was obligated in 1996, amendments to its scope are no longer possible. In order to preserve the federal FTA funding, which is ineligible for use in furtherance of the Metro bus system, and prevent it from being de-obligated by FTA, SORTA and the FTA have agreed to use this funding to reduce overall risk in the project by providing additional funding to bolster the unallocated contingency in the project. The Cincinnati

Streetcar is an eligible use of this funding and these grant funds will be de-obligated by the FTA if not used for this purpose.

No local match from the City is required for these grant funds, nor are any additional FTE required. The SORTA Board approved this grant in May and an ordinance accepting the funding has been submitted to City Council for approval.

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

(Cumulative Stats account for both April and May)

- 📄 Safety Oriented-To date: 420
- 📄 Safety Oriented-April: 69
- 📄 Safety Oriented-May: 47
- 📄 Safety Orientations-April: 7
- 📄 Safety Orientations-May: 5
- 📄 Total man-hours worked to date: 73,863
- 📄 Total man-hours worked without a lost time accident: 60,682
- 📄 Lost Time Accidents-To date: 2
- 📄 Lost Time Accidents-April: 0
- 📄 Lost Time Accidents-May: 0
- 📄 Incidents-To date: 37
- 📄 Incidents-April: 5
- 📄 Incidents-May: 6

5.2. Safety and Security Certification

Safety & security certification activities continued in April and May as SORTA staff and consultants worked with the City project team to complete remaining design verification work, review new ODOT standards, and update the certification schedule

The Safety and Security Review Committee (SSRC) met during April to review and adopt two items. The SSRC adopted safety and security recommendations for the vehicle emergency interior egress and the Traction Power Substation perimeter fencing.

SORTA has received the new Ohio Department of Transportation Rail Transit System Safety Program Standard and is continuing to coordinate activities with ODOT.

5.3. Operations and Maintenance

The public outreach, branding and education plan is under development. As an early element, SORTA is issuing a Request for Proposals for a limited scope of branding services for the streetcar which will include the style guide, logo and other required elements.

SORTA staff are developing an application for Federal Congestion Mitigation Air Quality (CMAQ) transportation funding to offset streetcar operating expenses. CMAQ funds are eligible to cover up to 80% of the first three years of new transit services. In Cincinnati CMAQ funds are solicited through an application process administered by OKI and subsequently funding awards are selected by a state-wide committee of Metropolitan Planning Organizations. SORTA staff is working with OKI and FTA to determine the eligibility of streetcar operating expenses for CMAQ funding in Cincinnati.

The outline for the Request for Proposals for (RFP) streetcar operations has been developed. Updated cash flows are in development to support O&M budget development and the CMAQ application.

SORTA convened a working group of SORTA and City officials to discuss division of responsibilities for future streetcar operations. The discussion will be used to revise and update the responsibilities matrix as part of the draft operating agreement and to update the streetcar operating budget, as necessary. SORTA is also developing a list of streetcar state laws and local ordinances which may impact streetcar operations or areas of future operations which may require legislation.

6. Inclusion/DBE Compliance

MPD remained close to meeting their target to meet its DBE goal for the project expenditures. 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.

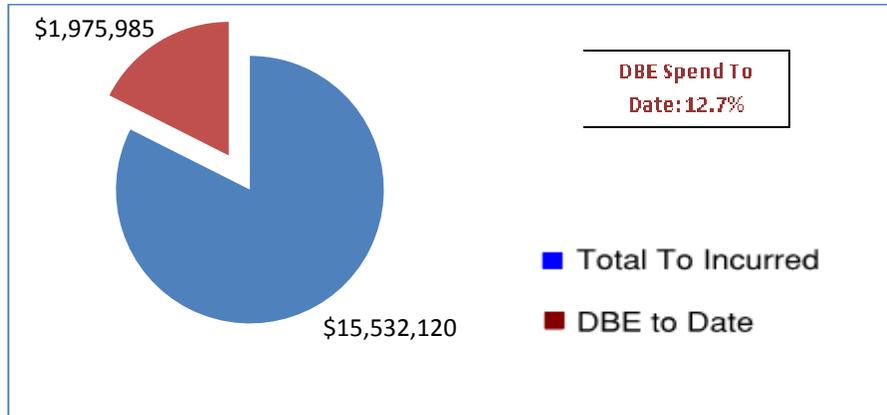


Figure 2 - MPD April DBE Spending

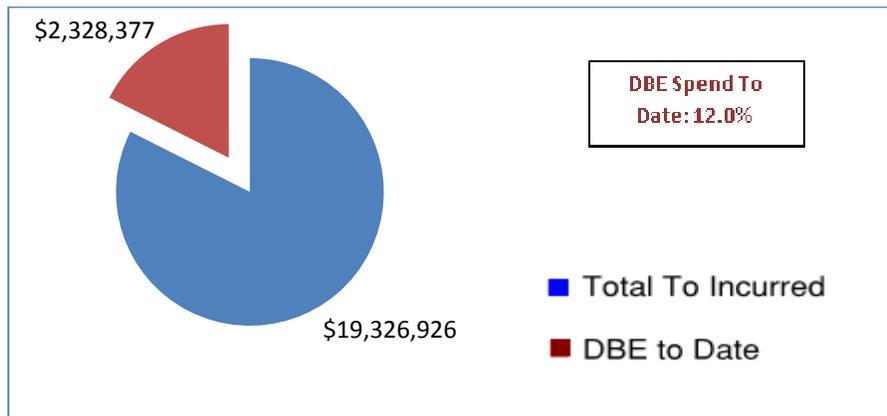


Figure 3 - MPD May DBE Spending

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):

	Through Apr. 30, 2014		Through May 31, 2014	
	Actual	Goal	Actual	Goal
Minority Hours	19.6%	11.9%	18.6%	11.9%
Female Hours	2.9%	6.9%	4.1%	6.9%
Minority Female	46.1%	50.0%	39.4%	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 Monthly Review Meeting with FTA and the PMOC was held on April 16th. The next Quarterly Review Meeting is scheduled for June 3 at the FTA Regional Offices in Chicago.

8. SORTA Activities for April 2014

On May 20, 2014 the SORTA Board approved an amendment to the Cincinnati-SORTA IGA allocating \$268,278 of FTA funding to the Unallocated Contingency of the Cincinnati Streetcar. This funding is from an old FTA Grant, OH-90-X265, which was obligated in 1996 for the purchase of rail assets by SORTA. While most of the remaining funds can be used for preventative maintenance to support the Metro bus system, \$268,278.00 is in the activity line item (ALI) of the grant for rail. Due to the age of the grant it is not possible to amend the scope.

This funding is ineligible for use to support bus or to repair existing rail assets. SORTA and FTA staff have determined that the only eligible project for which the funds can be expended is the streetcar project. FTA staff is requesting that the funds be drawn as soon as possible so that the grant can be closed, so SORTA staff have determined jointly with City of Cincinnati staff that the funds can be programmed to support additional Streetcar Project Unallocated Contingency budget.

State of Ohio Toll credits are pledged as local match so no additional local funding is required. No local SORTA funds will be used as match for these funds.

Cincinnati Streetcar Budget vs. Expenses

4/30/2014

Sources	
Urban Circulator	\$ 24,990,000.00
CMAQ	\$ 4,000,000.00
TIGER	\$ 15,920,000.00
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	\$ 147,810,000.00

USES

Budget Category	BUDGET - June 2013			EXPENSES 4/30/2014			(Base + Alloc. Cont.) LESS (Exp. + Enc.)
	Total Base Cost	Allocated Contingency	Base + Allocated Contingency	Expended	Encumbered	Expended + 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	\$ 14,150,125.97	\$ 186,051.04	\$ 14,336,177.01	\$ 262,541.99
Real Estate	\$ 2,010,143.00	\$ -	\$ 2,010,143.00	\$ 2,011,186.00	\$ 150.00	\$ 2,011,336.00	\$ (1,193.00)
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	\$ 14,331,070.34	\$ 57,053,912.59	\$ 71,384,982.93	\$ -
Utilities (3rd Party)	\$ 6,147,858.14	\$ 77,207.23	\$ 6,225,065.37	\$ 1,133,139.09	\$ 4,533,719.05	\$ 5,666,858.14	\$ 558,207.23
Vehicles	\$ 23,111,373.00	\$ 2,101,722.40	\$ 25,213,095.40	\$ 2,794,250.85	\$ 20,180,568.90	\$ 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	\$ 1,595,904.15	\$ -	\$ 1,595,904.15	\$ 2,845,572.12
SORTA Project Administration	\$ 2,000,000.00	\$ 100,000.00	\$ 2,100,000.00	\$ 539,010.93	\$ 1,460,989.07	\$ 2,000,000.00	\$ 100,000.00
Start-up	\$ 250,000.00	\$ -	\$ 250,000.00	\$ -	\$ -	\$ -	\$ 250,000.00
Unallocated Contingency	\$ 4,722,732.00	\$ -	\$ 4,722,732.00	\$ 413,768.38	\$ 1,367,618.37	\$ 1,781,386.75	\$ 2,941,345.25
Subtotal	\$ 128,087,898.75	\$ 4,722,101.22	\$ 132,809,999.97	\$ 38,233,083.84	\$ 84,832,166.89	\$ 123,065,250.73	\$ 9,744,749.24
Utilities (Duke Escrow)	\$ 15,000,000.00	\$ -	\$ 15,000,000.00	\$ 15,000,000.00	\$ -	\$ 15,000,000.00	\$ -
Grand Total	\$ 143,087,898.75	\$ 4,722,101.22	\$ 147,809,999.97	\$ 53,233,083.84	\$ 84,832,166.89	\$ 138,065,250.73	\$ 9,744,749.24

Total Sources	\$	147,810,000
Total Uses	\$	147,810,000
Sources Less Uses	\$	0

Cincinnati Streetcar Budget vs. Expenses

5/31/2014

Sources	
Urban Circulator	\$ 24,990,000.00
CMAQ	\$ 4,000,000.00
TIGER	\$ 15,920,000.00
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	\$ 147,810,000.00

Budget Category	BUDGET - June 2013			EXPENSES 5/31/2014			(Base + Alloc. Cont.) LESS (Exp. + Enc.)
	Total Base Cost	Allocated Contingency	Base + Allocated Contingency	Expended	Encumbered	Expended + 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	\$ 14,188,368.96	\$ 147,808.05	\$ 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	\$ 17,018,350.67	\$ 54,366,632.26	\$ 71,384,982.93	\$ -
Utilities (3rd Party)	\$ 6,147,858.14	\$ 77,207.23	\$ 6,225,065.37	\$ 1,133,139.09	\$ 4,533,719.05	\$ 5,666,858.14	\$ 558,207.23
Vehicles	\$ 23,111,373.00	\$ 2,101,722.40	\$ 25,213,095.40	\$ 2,794,250.85	\$ 20,180,568.90	\$ 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	\$ 1,661,301.83	\$ -	\$ 1,661,301.83	\$ 2,780,174.44
SORTA Project Administration	\$ 2,000,000.00	\$ 100,000.00	\$ 2,100,000.00	\$ 594,058.49	\$ 1,405,941.51	\$ 2,000,000.00	\$ 100,000.00
Start-up	\$ 250,000.00	\$ -	\$ 250,000.00	\$ -	\$ -	\$ -	\$ 250,000.00
Unallocated Contingency	\$ 4,722,732.00	\$ -	\$ 4,722,732.00	\$ 1,064,559.88	\$ 716,826.87	\$ 1,781,386.75	\$ 2,941,345.25
Subtotal	\$ 128,087,898.75	\$ 4,722,101.22	\$ 132,809,999.97	\$ 41,729,843.90	\$ 81,400,654.51	\$ 123,130,498.41	\$ 9,679,501.56
Utilities (Duke Escrow)	\$ 15,000,000.00	\$ -	\$ 15,000,000.00	\$ 15,000,000.00	\$ -	\$ 15,000,000.00	\$ -
Grand Total	\$ 143,087,898.75	\$ 4,722,101.22	\$ 147,809,999.97	\$ 56,729,843.90	\$ 81,400,654.51	\$ 138,130,498.41	\$ 9,679,501.56

Total Sources	\$	147,810,000
Total Uses	\$	147,810,000
Sources Less Uses	\$	0

Appendix B
Change Orders, Contingency Allocations
Through 4/30/2014

Budget Category	Source	Contract	Contingency Usage Type	Contingency Usage #	Date	Description	Amount	Status
Construction	Base	MPD	Change Order	1	8/2/2013	Labor, bonding, and materials costs associated with delay in contract NTP date.	\$ 492,933.00	Complete
Construction	Unallocated Contingency	MPD	Change Order	2	1/14/2014	Delay costs appropriated by City Council for Council-mandated "pause"	\$ 100,000.00	Complete
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	\$ 359,745.00	Complete
Construction	Allocated Contingency	MPD	Contingency Allocation	1	11/8/2013	Empty conduit crossings; non-perform test station	\$ 15,791.64	Complete
Construction	Allocated Contingency	MPD	Contingency Allocation	2	11/8/2013	GCWW field conditions	\$ 3,571.00	Complete
Construction	Allocated Contingency	MPD	Contingency Allocation	3	12/30/2013	Mortar for granite pavers	\$ 6,825.00	Complete
Construction	Allocated Contingency	MPD	Contingency Allocation	4	12/30/2013	Additional abatement at MOF site	\$ 32,290.65	Complete
Construction	Allocated Contingency	MPD	Contingency Allocation	5	1/30/2014	Cast iron detectable warning; add. Geopiers; dielectric membrane; MOF conditions, others	\$ 31,309.00	Complete
Unallocated Contingency	Unallocated Contingency	Thelen	Certification	N/A	10/21/2013	Materials testing	\$ 108,594.50	Complete
Unallocated Contingency	Unallocated Contingency	KPMG	Certification	N/A	12/11/2013	City Council-mandated audit costs	\$ 250,000.00	Complete
Unallocated Contingency	Unallocated Contingency	Transystems	Certification	N/A	8/30/2013	Schedule review support	\$ 60,728.00	Complete
Construction	Unallocated Contingency	MPD	Change Order	4	4/7/2014	Revised underground conduit corssings: revised OCS poles; revised Trapeze allowance;MOF vehicle APS changes;	\$ 265,211.25	Complete
Construction	Unallocated Contingency	MPD	Change Order	5	4/21/2014	City Council-mandated Delay Claim	\$ 637,108.00	Complete
Design	Unallocated Contingency	PB	Certification	N/A	TBD	Additional construction support work needed	\$ 674,132.15	Pending
Construction	Unallocated Contingency	MPD	Change Order	6	TBD	Water Works design changes	\$ 313,782.44	Pending
Construction	Allocated Contingency	MPD	Contingency Allocation	6	4/24/2014	Misc. MOF mods, telecom conduit for MOF, GCWW force acct., Cent. Pkwy. Irrigation	\$ 79,870.00	Complete
Construction	Allocated Contingency	MPD	Contingency Allocation	7	TBD	WTM conduit; Findlay dielectric membrane; Elm St. mill	\$ 52,503.00	Pending

Appendix B
Change Orders, Contingency Allocations
Through 5/31/2014

Budget Category	Source	Contract	Contingency Usage Type	Contingency Usage #	Date	Description	Amount	Status
Construction	Base	MPD	Change Order	1	8/2/2013	Labor, bonding, and materials costs associated with delay in contract NTP date.	\$ 492,933.00	Complete
Construction	Unallocated Contingency	MPD	Change Order	2	1/14/2014	Delay costs appropriated by City Council for Council-mandated "pause"	\$ 100,000.00	Complete
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	\$ 359,745.00	Complete
Construction	Allocated Contingency	MPD	Contingency Allocation	1	11/8/2013	Empty conduit crossings; non-perform test station	\$ 15,791.64	Complete
Construction	Allocated Contingency	MPD	Contingency Allocation	2	11/8/2013	GCWW field conditions	\$ 3,571.00	Complete
Construction	Allocated Contingency	MPD	Contingency Allocation	3	12/30/2013	Mortar for granite pavers	\$ 6,825.00	Complete
Construction	Allocated Contingency	MPD	Contingency Allocation	4	12/30/2013	Additional abatement at MOF site	\$ 32,290.65	Complete
Construction	Allocated Contingency	MPD	Contingency Allocation	5	1/30/2014	Cast iron detectable warning; add. Geopiers; dielectric membrane; MOF conditions, others	\$ 31,309.00	Complete
Unallocated Contingency	Unallocated Contingency	Thelen	Certification	N/A	10/21/2013	Materials testing	\$ 108,594.50	Complete
Unallocated Contingency	Unallocated Contingency	KPMG	Certification	N/A	12/11/2013	City Council-mandated audit costs	\$ 250,000.00	Complete
Unallocated Contingency	Unallocated Contingency	Transystems	Certification	N/A	8/30/2013	Schedule review support	\$ 60,728.00	Complete
Construction	Unallocated Contingency	MPD	Change Order	4	4/7/2014	Revised underground conduit corssings: revised OCS poles; revised Trapeze allowance;MOF vehicle APS changes;	\$ 265,211.25	Complete
Construction	Unallocated Contingency	MPD	Change Order	5	4/21/2014	City Council-mandated Delay Claim	\$ 637,108.00	Complete
Design	Unallocated Contingency	PB	Certification	N/A	TBD	Additional construction support work needed	\$ 674,132.15	Pending
Construction	Unallocated Contingency	MPD	Change Order	6	TBD	Water Works design changes	\$ 313,782.44	Pending
Construction	Allocated Contingency	MPD	Contingency Allocation	6	4/24/2014	Misc. MOF mods, telecom conduit for MOF, GCWW force acct., Cent. Pkwy. Irrigation	\$ 79,870.00	Complete
Construction	Allocated Contingency	MPD	Contingency Allocation	7	TBD	WTM conduit; Findlay dielectric membrane; Elm St. mill	\$ 52,503.00	Pending

Appendix C
MPD April Schedule Update

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

2014

2015

2015

Start Date: 01/01/13
Finish Date: 10/31/16
Data Date: 04/30/14
Run Date: 05/14/14

Cincinnati Streetcar
Contract #121C009060
May 1, 2014 - Project Schedule



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Appendix C
MPD May Schedule Update

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



Cincinnati Streetcar
Contract #121C09060
June 1, 2014 - Project Schedule

Start Date: 01/01/13
Finish Date: 10/01/16
Data Date: 05/30/14
Run Date: 06/11/14

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Appendix D
Grant Drawdown Summary

Cincinnati Streetcar Federal Grant Drawdown Activity

Through: 4/30/2014

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	\$ 410,337	\$ 26,030	\$ 952,178	\$ 347,137	\$ 102,644	\$ 6,510	\$ 237,983
		12.23.03	Construction	\$ 7,600,000	\$ 237,344	\$ 217,172	\$ 7,145,484	\$ 1,900,000	\$ 59,336	\$ 54,294	\$ 1,786,370
		12.13.20	Vehicles	\$ 16,000,000	\$ 2,151,666	\$ 83,733	\$ 13,764,601	\$ 4,000,000	\$ 537,918	\$ 20,933	\$ 3,441,148
Subtotal				\$ 24,989,998	\$ 2,800,800	\$ 326,935	\$ 21,862,263	\$ 6,247,502	\$ 700,263	\$ 81,737	\$ 5,465,502
CMAQ	OH 95-X054	12.23.03	Construction	\$ 4,000,000	\$ 3,198,133	\$ 801,868	\$ (1)	\$ 1,000,000	\$ 799,536	\$ 200,467	\$ (3)
Subtotal				\$ 4,000,000	\$ 3,198,133	\$ 801,868	\$ (1)	\$ 1,000,000	\$ 799,536	\$ 200,467	\$ (3)
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	\$ -	\$ -	\$ 211,453	\$ 52,865	\$ -	\$ -	\$ 52,865
		12.23.03	Construction	\$ 15,554,000	\$ 457,668	\$ 44,130	\$ 15,052,202	\$ 3,888,500	\$ 114,418	\$ 11,033	\$ 3,763,048
Subtotal				\$ 15,919,998	\$ 612,214	\$ 44,130	\$ 15,263,654	\$ 3,980,002	\$ 153,056	\$ 11,033	\$ 3,815,913
TOTAL				\$ 44,909,996	\$ 6,611,147	\$ 1,172,933	\$ 37,125,916	\$ 11,227,504	\$ 1,652,855	\$ 293,237	\$ 9,281,412

Appendix D
Grant Drawdown Summary

Cincinnati Streetcar Federal Grant Drawdown Activity

Through: 5/31/2014

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	\$ 441,108		\$ 947,437	\$ 347,137	\$ 110,340		\$ 236,797
		12.23.03	Construction	\$ 7,600,000	\$ 454,516		\$ 7,145,484	\$ 1,900,000	\$ 113,630		\$ 1,786,370
		12.13.20	Vehicles	\$ 16,000,000	\$ 2,235,399		\$ 13,764,601	\$ 4,000,000	\$ 558,852		\$ 3,441,148
Subtotal				\$ 24,989,998	\$ 3,132,476	\$ -	\$ 21,857,522	\$ 6,247,502	\$ 783,187	\$ -	\$ 5,464,315
CMAQ	OH 95-X054	12.23.03	Construction	\$ 4,000,000	\$ 4,000,001		\$ (1)	\$ 1,000,000	\$ 1,000,003		\$ (3)
Subtotal				\$ 4,000,000	\$ 4,000,001	\$ -	\$ (1)	\$ 1,000,000	\$ 1,000,003	\$ -	\$ (3)
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	\$ -	\$ -	\$ 211,453	\$ 52,865	\$ -	\$ -	\$ 52,865
		12.23.03	Construction	\$ 15,554,000	\$ 501,798		\$ 15,052,202	\$ 3,888,500	\$ 125,452		\$ 3,763,048
Subtotal				\$ 15,919,998	\$ 656,344	\$ -	\$ 15,263,654	\$ 3,980,002	\$ 164,089	\$ -	\$ 3,815,913
TOTAL				\$ 44,909,996	\$ 7,788,821	\$ -	\$ 37,121,175	\$ 11,227,504	\$ 1,947,278	\$ -	\$ 9,280,226