



C I N C I N N A T I
STREETCAR™

MONTHLY REPORT

April - May 2016

REFERENCES

- For background information on the Cincinnati Streetcar, please go to <http://www.cincinnati-oh.gov/streetcar/>
- For previous months' reports or PowerPoint presentations to the Major Transportation & Regional Cooperation Council Committee, please go to <http://www.cincinnati-oh.gov/streetcar/documents-references/>

April-May 2016 Monthly Report



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ACRONYMS

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

1.0. PROGRESS SUMMARY



Cincinnati Streetcar #1177, ready to begin a night of testing

1.0. PROGRESS SUMMARY

- Revenue service start date set for September 9, 2016
- Civil construction and vehicle punch list work continues
- Review of potential traffic signal changes ongoing
- Vehicle burn-in testing completed week of May 23 (means vehicles have been officially delivered)
- Four of five vehicles Conditionally Accepted (Title transferred from CAF to City)
- Transdev staff-up and training underway
- Coordination efforts with City Departments' operations in ROW ongoing
- Live emergency drill to be held on June 16
- The project continues to be within budget and schedule.



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. APRIL 2016 CIVIL CONSTRUCTION

ID	Description	Original Duration	Start	Finish	Area	2016																							
						May	Jun	Jul	Aug	Sep																			
						25	2	9	16	23	30	6	13	20	27	4	11	18	25	1	8	15	22	29	5	12	19	26	
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 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 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 2nd																								
14	Track/Road Complete	1	05/18/15A	05/18/15A	Walnut/Central to 2nd																								
2nd Street and Bridges																													
15	MOT/Road Removal/Trackwork Start	1	09/02/14A	09/02/14A	2nd Street and Bridges																								
16	Track/Road Complete	1	11/05/15A	11/05/15A	2nd Street and Bridges																								
Main/2nd to 12th																													
17	MOT/Road Removal/Trackwork Start	1	03/30/15A	05/01/15A	Main/2nd to 12th																								
18	Track/Road Complete	1	09/24/15A	09/24/15A	Main/2nd to 12th																								
OTR																													
20	3000' Test Track	0		03/20/15A	OTR																								
25	MOF Complete	0		03/20/15A	OTR																								
30	Power and Stations - OTR	0		07/17/15A	OTR																								
CBD																													
50	Power, Stations, Paving, and Closeout - CBD	0		04/04/16A	CBD																								
60	Pay Service Available	0		09/30/16	CBD																								

Start Date: 01/01/13
 Finish Date: 09/30/16
 Data Date: 05/02/16
 Run Date: 06/02/16

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



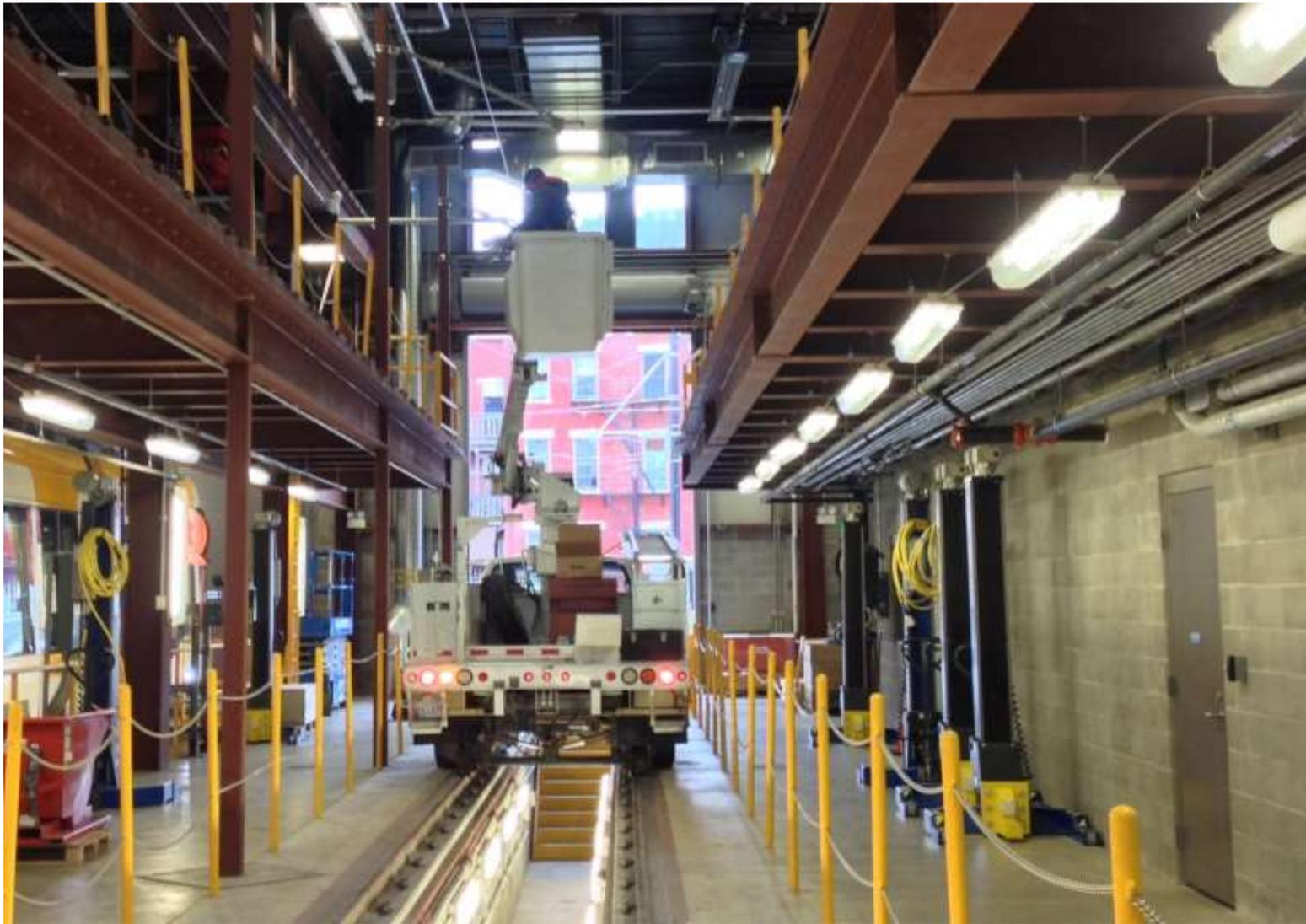
2.1. MAY 2016 CIVIL CONSTRUCTION

ID	Description	Original Duration	Start	Finish	Area	2016																
						May	Jun		Jul			Aug		Sep								
						30	6	13	20	27	4	11	18	25	1	8	15	22	29	5	12	
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																	
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7	MOT/Road Removal/Trackwork Start	1	04/21/14A	04/21/14A	12th/ Main to Elm																	
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30	Power and Stations - OTR	0		07/17/15A	OTR																	
CBD																						
50	Power, Stations, Paving, and Closeout - CBD	0		04/04/16A	CBD																	
60	Pay Service Available	0		09/09/16	CBD																	

Start Date: 01/01/13
 Finish Date: 09/09/16
 Data Date: 06/01/16
 Run Date: 07/01/16

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

2.1. CIVIL CONSTRUCTION STATUS



Fine tuning the OCS wire installation in the MOF using a hi-rail boom truck

2.1. CIVIL CONSTRUCTION STATUS

Track:

- Complete October 2015



OCS:

- Complete October 2015



Paving:

- Complete October 2015



Stops:

- Complete November 2015



2.4 UTILITY WORK

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

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

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2.5. COMMUNITY INVOLVEMENT & COMMUNICATION



Internal communication is important as well.
Rail Activation Committee meeting in SORTA Board Room

2.5. COMMUNITY INVOLVEMENT & COMMUNICATION



John Claflin, Transdev Cincinnati General Manager, reviews the Streetcar Safety Training Manual summary PowerPoint for Public Services

2.5. COMMUNITY INVOLVEMENT & COMMUNICATION

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

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2.5. COMMUNITY INVOLVEMENT & COMMUNICATION

- Much of the community engagement is focusing on organizational development, familiarizing City departments and other service providers with Streetcar safety and operational characteristics, including how you work on a street with streetcar tracks
- Speaker's Bureau for groups that would like to hear about Cincinnati Streetcar
- Hamilton County Monthly Riverfront Joint Operations Task Force
- Social media (twitter @Cincy_Streetcar, City of Cincinnati Facebook page <https://www.facebook.com/CincinnatiStreetcarOFFICIAL>)

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2.5. COMMUNITY INVOLVEMENT & COMMUNICATION

- Enforcement tools in place through action by City Council to keep track clear of obstructions that could impair streetcar service or cause safety hazards
 - Clarified parking restrictions proximate to streetcar tracks
 - Gave regulatory status to the white line defining width of the parking spots in key locations
 - Enable Police and parking Enforcement Officers to clear offenders quickly
- Additional Ordinance being drafted to provide tools for SORTA/Streetcar operations staff to enforce fare and operational rules as well as enhance safety and security

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2.5. COMMUNITY INVOLVEMENT & COMMUNICATION

- Track Access Authorization (TAA) process being administered by SORTA/Transdev based on applications through CPD Special events or DOTE Public Space Permit Process. People needing information on how the process works should call Shawn Patton at the City DOTE Public Space Permit Desk, 352-5287
- Contractors, others working in ROW required to get a TAA authorization as part of their normal ROW permit from City DOTE
 - Allows streetcar operations to know who/what to expect in the street
 - Streetcar operations is then able to coordinate work with all agencies and contractors
- OSHA rules require workers to observe a 10 foot safety envelope around active OCS wire
- Transdev is engaged in safety training/certification to utility company workers

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2.6. MPD BILLINGS - APRIL 2016 REPORT

Bid Form Section	Total	Prev. Incurred	Apr (net ret)
Behind the Curb Work	\$1,456,894	\$222,617	\$0
Central Parkway Median	\$116,455	\$123,756	\$0
Civil, Roadway and Drainage	\$10,445,950	\$9,914,431	\$30,832
Communication System	\$1,228,959	\$738,940	\$9,389
Corrosion Control	\$354,682	\$336,948	\$0
Misc. Items	\$5,075,000	\$4,578,363	\$178,335
MOF Civil and Track	\$3,170,177	\$3,170,907	\$0
MOF	\$8,744,492	\$8,706,496	\$2,537
OCS Mainline	\$5,502,798	\$5,543,142	\$0
Signal System Streetcar	\$669,588	\$670,008	\$0
Streetcar Stop Shelters and Sitework	\$2,243,714	\$2,180,789	\$0
Trackwork on Grade	\$13,018,686	\$12,911,430	\$0
Trackwork on Structures	\$2,950,663	\$2,987,606	\$0
Traction Power	\$6,566,003	\$6,218,701	\$10,262
Traffic Signals and Lighting	\$4,793,179	\$4,598,260	\$0
Water Main - Main Street	\$2,508,352	\$2,385,941	\$0
Water Main - Walnut Street	\$2,046,457	\$1,780,106	\$0
CO#1	\$492,933	\$500,229	\$0
CO#2	\$100,000	\$514,750	\$0
CO#3	\$359,745	\$162,220	\$7,000
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	\$313,894	\$0
CO#9	\$176,923	\$176,923	\$0
CO#10	\$135,272	\$0	\$0
CO#11	\$4,433	\$4,433	\$0
CO#12	\$8,070	\$8,070	\$0
Totals:	\$73,473,131	\$69,671,837	\$238,354

2.6. MPD BILLINGS - MAY 2016 REPORT

Bid Form Section	Total	Prev. Incurred	May (net ret)
Behind the Curb Work	\$1,456,894	\$222,617	\$0
Central Parkway Median	\$116,455	\$123,756	\$0
Civil, Roadway and Drainage	\$10,445,950	\$9,945,263	\$8,208
Communication System	\$1,228,959	\$748,329	\$378
Corrosion Control	\$354,682	\$336,948	\$0
Misc. Items	\$5,075,000	\$4,673,942	\$10,699
MOF Civil and Track	\$3,170,177	\$3,156,329	\$82,010
MOF	\$8,744,492	\$8,703,317	\$1,837
OCS Mainline	\$5,502,798	\$5,535,387	\$0
Signal System Streetcar	\$669,588	\$669,588	\$0
Streetcar Stop Shelters and Sitework	\$2,243,714	\$2,202,451	\$4,338
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	\$6,294,746	\$7,900
Traffic Signals and Lighting	\$4,793,179	\$4,532,477	\$150
Water Main - Main Street	\$2,508,352	\$2,385,941	\$0
Water Main - Walnut Street	\$2,046,457	\$1,780,106	\$0
CO#1	\$492,933	\$500,229	\$0
CO#2	\$100,000	\$514,750	\$0
CO#3	\$359,745	\$169,220	
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	\$313,894	\$0
CO#9	\$176,923	\$176,923	\$0
CO#10	\$135,272	\$0	\$0
CO#11	\$4,433	\$4,433	\$0
CO#12	\$8,070	\$8,070	\$0
Totals:	\$73,473,131	\$69,798,968	\$115,520

3.0. VEHICLES

- Streetcar #1179 (Unit #5) arrived May 4
- Burn-in testing completed on all cars
- Driver training underway
- CAF personnel on-site May 2-13 to oversee closure of open items
- Spare parts delivery
 - CAF quality personnel, LTK resident inspector, Transdev are working to inspect and accept spare parts delivered to date
 - Additional spare parts are still yet to be received
- Special tools
 - City is working to finalize list of special tools to be provided by CAF
 - Based on Maintenance Manuals from CAF

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3.0. VEHICLES

- Maintenance Manuals
 - CAF has not yet delivered complete maintenance manuals
 - Doors, Pantograph received week of May 4
 - HVAC, Braking system information still missing
 - Manuals determine special tooling needs
- Maintenance Training
 - Training of Transdev staff by most CAF subsuppliers has occurred
 - Doors, HVAC, brake system training yet to be provided
 - CAF is working with subs to schedule
- Although all five cars are now delivered, liquidated damages are still accumulating on several missed deadlines by CAF. Start of fare service does not appear to be jeopardized at this time.

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3.0. VEHICLES

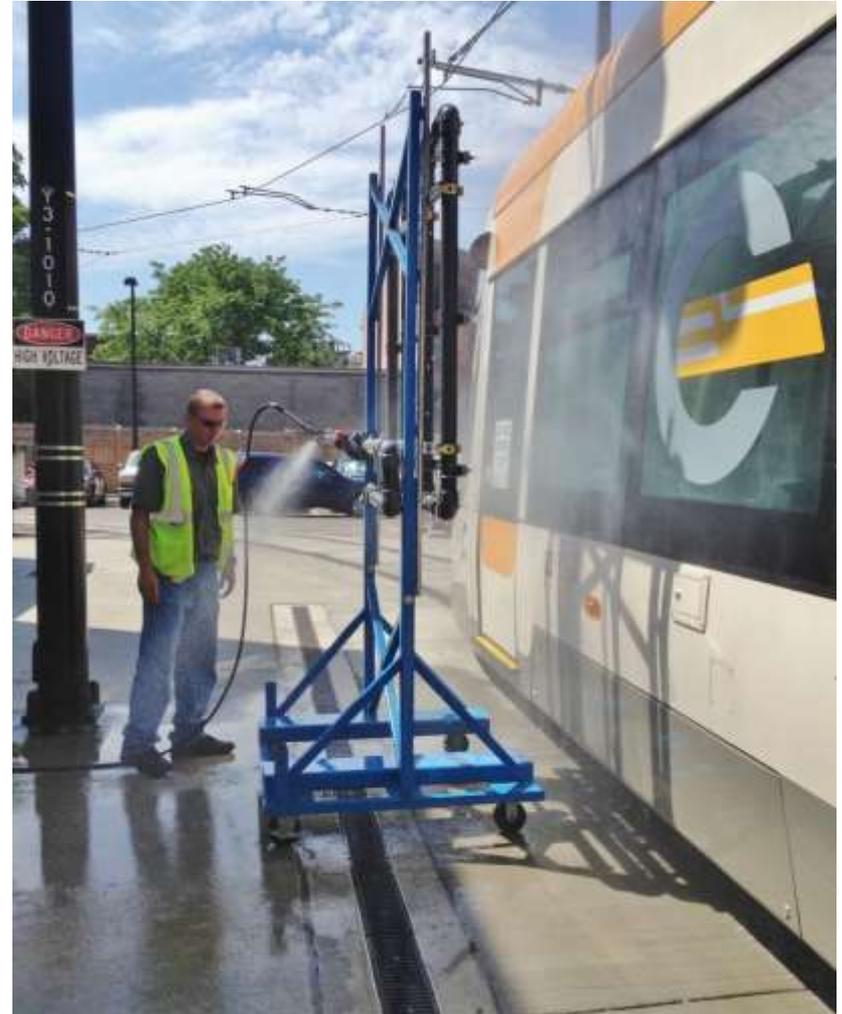


CAF employees fine tuning streetcar 1178

3.0. VEHICLES



CAF employees applies branding decals



Window water tightness test bleeds off pressure to follow specifications

3.2. DESIGN, PRODUCTION, TESTING ACTIVITIES



LTK Inspector and CAF employees inspect & inventory spare parts

3.2. DESIGN, PRODUCTION, TESTING ACTIVITIES



Unit # 3, Streetcar 1177, begins a night time test

3.2. DESIGN, PRODUCTION, TESTING ACTIVITIES



Atlas Copco Air Compressor Modification



Rooftop Fairing Paint "Orange Peel" Repair



Installation of Exterior Decals



Unit # 5 finishing and loading in Elmira prior to shipment to Cincinnati

3.2. DESIGN, PRODUCTION, TESTING ACTIVITIES



Unit # 5 arrives in Cincinnati at the MOF

4.0. BUDGET & EXPENDITURES

- Through May 31, 2016:
 - \$129,649,365 has been expended on the project (including Duke escrow)
 - Major Contract Activity:
 - 12 change orders to the MPD construction contract have been issued totaling \$2,581,082
 - Two change orders to the CAF vehicle contract have been issued totaling \$0
 - See Appendix A for breakout of Contingency Usage

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4.0. BUDGET & EXPENDITURES

- Rev. 1 reported at Apr 12 MT&RC Committee reflects transfer of savings from Utilities (3rd Party) to Unallocated Contingency
 - Decrease of \$667,443 from Utilities (3rd Party) line
 - Increase of \$667,443 in Unallocated Contingency line
 - No net change to overall budget total of \$148,078,277 or sources
- Rev. 2 reflects budget changes pursuant to Ordinance #108-2016 passed by City Council on April 27, 2016:
 - Decrease of \$550,000 from Unallocated Contingency line
 - Increase of \$550,000 in new Fund 455 Contingency line
 - No net change to overall budget total of \$148,078,277
 - Change to local sources with addition of Fund 455



Major Transportation Committee May 10
2016



4.1 BUDGET VS. EXPENSES

Through 4/30/16

Budget Category	BUDGET - April 22, 2016			EXPENSES 4/30/2016		
	Total Base Cost	Allocated Contingency	Base + Allocated Contingency	Expended	Encumbered	Expend. + Encumb.
Federal						
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	\$ 67,523,544.44	\$ 3,861,438.49	\$ 71,384,982.93
Utilities (3rd Party)	\$ 5,480,414.35	\$ 77,207.23	\$ 5,557,621.58	\$ 3,415,733.66	\$ 2,251,124.48	\$ 5,666,858.14
Fare Vending	\$ 500,000.00	\$ 50,000.00	\$ 550,000.00	\$ -	\$ -	\$ -
City Project Administration	\$ 3,816,012.64	\$ 190,800.63	\$ 4,006,813.27	\$ 3,433,915.82	\$ -	\$ 3,433,915.82
SORTA Project Administration	\$ 2,000,000.00	\$ 100,000.00	\$ 2,100,000.00	\$ 1,250,452.96	\$ 749,547.04	\$ 2,000,000.00
Real Estate	\$ 2,010,143.00	\$ -	\$ 2,010,143.00	\$ 2,011,186.00	\$ -	\$ 2,011,186.00
Start-up (capital)	\$ 250,000.00	\$ -	\$ 250,000.00	\$ -	\$ 200,000.00	\$ 200,000.00
Vehicles	\$ 23,111,373.00	\$ 2,101,722.40	\$ 25,213,095.40	\$ 11,340,871.41	\$ 12,810,776.18	\$ 24,151,647.59
Unallocated Contingency	\$ 5,108,453.79	\$ -	\$ 5,108,453.79	\$ 4,162,014.68	\$ 611,612.95	\$ 4,773,627.63
Subtotal	\$ 126,661,379.71	\$ 4,519,730.26	\$ 116,181,109.97	\$ 93,137,718.97	\$ 20,484,499.14	\$ 113,622,218.11
Utilities (Duke Escrow)	\$ 15,000,000.00	\$ -	\$ 15,000,000.00	\$ 15,000,000.00	\$ -	\$ 15,000,000.00
Operations/Construction Contingency (Fund 455)	\$ 550,000.00					
Federal Total	\$ 142,211,379.71	\$ 4,519,730.26	\$ 131,181,109.97	\$ 108,137,718.97	\$ 20,484,499.14	\$ 128,622,218.11
Local						
Design	\$ 14,396,348.04	\$ 202,370.96	\$ 14,598,719.00	\$ 14,313,044.86	\$ 19,571.85	\$ 14,332,616.71
Pre-Development	\$ 1,313,786.00	\$ -	\$ 1,313,786.00	\$ 1,264,628.13	\$ 49,157.87	\$ 1,313,786.00
City Project Administration	\$ 434,663.00	\$ -	\$ 434,663.00	\$ 384,900.38	\$ -	\$ 384,900.38
Local Total	\$ 16,144,797.04	\$ 202,370.96	\$ 16,347,168.00	\$ 15,962,573.37	\$ 68,729.72	\$ 16,031,303.09
Grand Total	\$ 158,356,176.75	\$ 4,722,101.22	\$ 147,528,277.97	\$ 124,100,292.34	\$ 20,553,228.86	\$ 144,653,521.20

Construction Expenditures include \$2.938 Million in unreleased retainage on MPD contract .

Vehicle Expenditures include \$410,344 in unreleased retainage on CAF contract

4.1 BUDGET VS. EXPENSES

Through 5/31/16

Budget Category	BUDGET REV. 2 - April 27, 2016			EXPENSES 5/31/2016		
	Total Base Cost	Allocated Contingency	Base + Allocated Contingency	Expended	Encumbered	Expend. + Encumb.
Federal						
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	\$ 67,523,544.44	\$ 3,861,438.49	\$ 71,384,982.93
Utilities (3rd Party)	\$ 5,480,414.35	\$ 77,207.23	\$ 5,557,621.58	\$ 3,415,733.66	\$ 1,583,680.69	\$ 4,999,414.35
Fare Vending	\$ 500,000.00	\$ 50,000.00	\$ 550,000.00	\$ 339,306.16	\$ 160,693.84	\$ 500,000.00
City Project Administration	\$ 3,816,012.64	\$ 190,800.63	\$ 4,006,813.27	\$ 3,486,418.55	\$ -	\$ 3,486,418.55
SORTA Project Administration	\$ 2,000,000.00	\$ 100,000.00	\$ 2,100,000.00	\$ 1,250,452.96	\$ 749,547.04	\$ 2,000,000.00
Real Estate	\$ 2,010,143.00	\$ -	\$ 2,010,143.00	\$ 2,011,186.00	\$ -	\$ 2,011,186.00
Start-up (capital)	\$ 250,000.00	\$ -	\$ 250,000.00	\$ -	\$ 200,000.00	\$ 200,000.00
Vehicles	\$ 23,111,373.00	\$ 2,101,722.40	\$ 25,213,095.40	\$ 16,825,466.36	\$ 7,426,181.23	\$ 24,251,647.59
Unallocated Contingency	\$ 5,108,453.79	\$ -	\$ 5,108,453.79	\$ 3,834,683.83	\$ 438,943.80	\$ 4,273,627.63
Subtotal	\$ 111,661,379.71	\$ 4,519,730.26	\$ 116,181,109.97	\$ 98,686,791.96	\$ 14,420,485.09	\$ 113,107,277.05
Utilities (Duke Escrow)	\$ 15,000,000.00	\$ -	\$ 15,000,000.00	\$ 15,000,000.00	\$ -	\$ 15,000,000.00
Fund 455 Contingency Allowance	\$ 550,000.00	\$ -	\$ 550,000.00			
Federal Total	\$ 127,211,379.71	\$ 4,519,730.26	\$ 131,731,109.97	\$ 113,686,791.96	\$ 14,420,485.09	\$ 128,107,277.05
Local						
Design	\$ 14,396,348.04	\$ 202,370.96	\$ 14,598,719.00	\$ 14,313,044.86	\$ 19,571.85	\$ 14,332,616.71
Pre-Development	\$ 1,313,786.00	\$ -	\$ 1,313,786.00	\$ 1,264,628.13	\$ 49,157.87	\$ 1,313,786.00
City Project Administration	\$ 434,663.00	\$ -	\$ 434,663.00	\$ 384,900.38	\$ -	\$ 384,900.38
Local Total	\$ 16,144,797.04	\$ 202,370.96	\$ 16,347,168.00	\$ 15,962,573.37	\$ 68,729.72	\$ 16,031,303.09
Grand Total	\$ 143,356,176.75	\$ 4,722,101.22	\$ 148,078,277.97	\$ 129,649,365.33	\$ 14,489,214.81	\$ 144,138,580.14

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



4.3. CONTINGENCY USAGE

Through 4/22/2016

Through: **April 22, 2016**

Budget Category	Contingency Budget (Rev. 2, Apr 22, 2016)	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	\$ 1,626,724.32	\$ 207,809.00	\$ 50,000.00	\$ 115,466.68
Utilities (Project)					
Utilities (3rd Party)	\$ 77,207.23	\$ (667,443.79)			\$ 744,651.02
Utilities (Duke Escrow)	\$ -				\$ -
Vehicles	\$ 2,101,722.40	\$ 1,177,100.75		\$ 400,000.00	\$ 524,621.65
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
Subtotal	\$ 4,722,101.22	\$ 2,136,381.28	\$ 398,609.63	\$ 450,000.00	\$ 1,737,110.31
UNALLOCATED CONTINGENCY					
Unallocated Contingency		\$ 1,515,418.50		\$ 93,538.00	
Construction		\$ 2,029,170.11		\$ 801,633.00	
City Project Administration	\$ 4,991,010.00		\$ 802,393.54		\$ (1,430,091.46)
Start-up (Capital)		\$ -		\$ 550,000.00	
Design		\$ 608,948.31		\$ 20,000.00	
Subtotal	\$ 4,991,010.00	\$ 4,153,536.92	\$ 802,393.54	\$ 1,465,171.00	\$ (1,430,091.46)
Subtotal Original Contingency Sources	\$ 9,713,111.22	\$ 6,289,918.20	\$ 1,201,003.17	\$ 1,915,171.00	\$ 307,018.85
FUND 455 OPERATIONS/CONSTRUCTION CONTINGENCY					
City Council Fund 455 Operations/Construction Contingency Fund (April 2016)	\$ 550,000.00				\$ 550,000.00
Subtotal	\$ 550,000.00	\$ -	\$ -	\$ -	\$ 550,000.00
Grand Total All Contingency Sources	\$ 10,263,111.22	\$ 6,289,918.20	\$ 1,201,003.17	\$ 1,915,171.00	\$ 857,018.85

4.3. CONTINGENCY USAGE

Through 5/26/2016

Through: **May 26, 2016**

Budget Category	Contingency Budget (Rev. 2, Apr 22, 2016)	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	\$ 1,668,910.32	\$ 306,766.00	\$ 10,000.00	\$ 14,323.68
Utilities (Project)					
Utilities (3rd Party)	\$ 77,207.23	\$ (667,443.79)			\$ 744,651.02
Utilities (Duke Escrow)	\$ -				\$ -
Vehicles	\$ 2,101,722.40	\$ 1,277,100.75		\$ 300,000.00	\$ 524,621.65
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
Subtotal	\$ 4,722,101.22	\$ 2,278,567.28	\$ 497,566.63	\$ 310,000.00	\$ 1,635,967.31

UNALLOCATED CONTINGENCY					
Unallocated Contingency		\$ 1,515,418.50		\$ 93,538.00	
Construction		\$ 2,029,170.11		\$ 769,133.00	
City Project Administration	\$ 4,991,010.00		\$ 686,869.92		\$ (1,382,067.84)
Start-up (Capital)		\$ 650,000.00			
Design		\$ 608,948.31		\$ 20,000.00	
Subtotal	\$ 4,991,010.00	\$ 4,803,536.92	\$ 686,869.92	\$ 882,671.00	\$ (1,382,067.84)
Subtotal Original Contingency Sources	\$ 9,713,111.22	\$ 7,082,104.20	\$ 1,184,436.55	\$ 1,192,671.00	\$ 253,899.48

FUND 455 OPERATIONS/CONSTRUCTION CONTINGENCY					
City Council Fund 455 Operations/Construction Contingency Fund (April 2016)	\$ 550,000.00				\$ 550,000.00
Subtotal	\$ 550,000.00	\$ -	\$ -	\$ -	\$ 550,000.00
Grand Total All Contingency Sources	\$ 10,263,111.22	\$ 7,082,104.20	\$ 1,184,436.55	\$ 1,192,671.00	\$ 803,899.48

4.4. GRANT DRAWDOWN SUMMARY

Through 5/31/16

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	\$ 3,395,158	\$ (4)
Subtotal				\$ 24,989,998	\$ 21,124,767	\$ 3,395,158	\$ 470,073
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	\$ 81,801		\$ 129,652
		12.23.03	Construction	\$ 15,554,000	\$ 15,554,000		\$ (0)
Subtotal				\$ 15,919,998	\$ 15,790,347	\$ -	\$ 129,651
TOTAL				\$ 45,178,274	\$ 41,183,392	\$ 3,395,158	\$ 599,724

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

** Drawn + Pending = 98.7% of Federal grant funds



5.0. JOB SITE SAFETY

- Safety Oriented-To date: 906
- Safety Oriented-May: 0
- Safety Orientations-May: 0
- Total man-hours worked to date: 288,166
- Total man-hours worked without a lost time accident: 186,740
- Lost Time Accidents-To date: 3
- Lost Time Accidents-May: 0
- Incidents-To date: 165
- Incidents-May: 0

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6.0. SORTA ACTIVITIES



T. J. Thorn, SORTA's Director of Safety and Security leads a table top exercise with CPD and CFD

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6.1. STREETCAR SYSTEM TURNOVER

- Tweaking of the track access and Overhead Contact System safety process continues. SORTA and Transdev continue to manage track access and are working with various stakeholders to certify, through training, third party entities to work along the streetcar alignment in safe proximity to the energized OCS and moving trains.
- Transdev mobilization continues with the third and final class of streetcar operators beginning their classroom training. The training of maintenance forces also continues with CAF providing interim training on the HVAC and door systems on the vehicle.
- The 500 kilometer reliability demonstration test (“burn-in”) for all five vehicles has been completed successfully. SORTA is working with the City to begin the turnover process of the vehicles following CAF meeting the requirements for conditional acceptance.



6.2. OPERATIONS & MAINTENANCE PLANNING

- SORTA, in conjunction with the City staff has established September 9, 2016 as the first day of public operations for the streetcar. This is based on the current operations and maintenance mobilization schedule. Many critical items remain on the schedule that pose risks for attaining this date.
- SORTA is working with the City to determine the fare policy for the first weekend of revenue service. The City is seeking sponsorships to offset the otherwise collected fare revenues for the weekend.



6.3. FARE EQUIPMENT

- SORTA staff have worked with the City staff and construction contractor to develop a schedule for the installation of the ticket vending machines (TVM) units. A test installation will occur at the Main & 6th Street station stop in the first week of July, with the remaining units installed at the end of July.
- Passport, the same vendor as the City of Cincinnati Parking Meter system, has been selected as the mobile ticketing application provider by SORTA. This vendor will provide an app for smartphone purchase of Metro and streetcar fare media. The vendor has a 90 day schedule for implementation so this should be available for the first day of streetcar revenue service. SORTA is pursuing grant opportunities to purchase additional hardware to integrate smartphone purchase of fare media on both the Metro bus and streetcar systems.



6.4. RAIL ACTIVATION

- Rail Activation committee meetings will transition from bi-weekly to weekly in June. Subcommittees include fare collection and grand opening operations coordination. Additional subcommittees may be established as needed.
- The streetcar operations team from Transdev continues to log close calls and any incidents that occur. To date there have been over 80 close calls and 3 incidents. This information is shared with the City and SORTA will be working with the City on any countermeasures that may be required to reduce the risks.



6.5. SAFETY & SECURITY CERTIFICATION

- SORTA conducted a tabletop exercise between various SORTA and Transdev staff, Cincinnati Police and Fire Departments, E911 Communications and other key first response personnel. Additional tabletop exercises will be held between SORTA, Transdev and ODOT (State Safety Oversight) to fine tune communications and reporting protocols during incidents.
- Concurrence of the Certification that the system is safe and secure is required from FTA and ODOT before passengers can ride the Cincinnati Streetcar. This is an intensive and important process guided by the SORTA Director of System Safety and the project Safety and Security Review Committee.
- SORTA staff continues to work with the FTA and ODOT and their respective consultants on numerous requested updates and changes to the safety and security documentation. .



6.5. SAFETY & SECURITY CERTIFICATION

- City construction staff have supported the efforts to provide all of the various verifications of the construction of the infrastructure and the vehicles required for certification. Final documentation is required by the end of June 2016 so that it can be compiled into a final Safety and Security Certification Verification Report (SSCVR) for submission to FTA and ODOT in July in time for September service.
- SORTA Director of Security has established training sessions for the Cincinnati Police Department on the streetcar vehicles.



6.5. SAFETY & SECURITY CERTIFICATION

- The SORTA Director of System Safety and Transdev have conducted multiple training sessions for the Cincinnati Fire Department for various companies around the City who may interact with streetcar assets. This training included the streetcar vehicle configuration and the issues surrounding the overhead contact system safety. Subsequent training will demonstrate the re-railing of a streetcar vehicle by SORTA/Transdev.
- A full scale exercise will be held with the first responders on June 16, 2016 to simulate the response to a streetcar vehicle collision.
- 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.



6.5. SAFETY & SECURITY CERTIFICATION

- 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.



6.6. ADVERTISING / SPONSORSHIPS

- SORTA has awarded a contract following a request for proposals (RFP) for streetcar shelter advertising and sponsorship sales compliant with the recently adopted City ordinance for right-of-way advertising. This contract includes a minimum guarantee and has been awarded to Advertising Vehicles, Inc.

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6.7. MARKETING / EDUCATION

- The streetcar stakeholder meetings continue including the monthly streetcar e-newsletter. Several stakeholder meetings have been held including with the Westin Hotel, Banks Community Council, SCPA and others.
- Lightborne Communications (local Cincinnati producer of the Katie Perry Superbowl XLIX Halftime Show) have been retained to develop the Cincinnati Streetcar safety video.
- Grand opening planning continues with \$50,000 in private event donations received by SORTA to date. The grand opening ceremony is anticipated to be held in Washington Park.
- New collateral materials (hand-outs) that have been developed include a summer fold-out fan with safety messaging and a streetcar pocket guide.



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 November 2015 ~~January February March April May July~~ 2016);
- Approval of Amendment to the contract with Transdev Services, Inc. to provide \$100,000.00 for purchase of additional tooling and equipment for the Maintenance and Operations Facility, to update the streetcar operating schedule, revenue service date, MOF utilities and other administrative updates. (anticipated May, June 2016);



6.9. STREETCAR VEHICLE

- With the burn-in testing over, the SORTA support of the City testing phase of the vehicle contract is largely complete. SORTA will utilize the vehicles for operator training to qualify the remaining streetcar operators. Additionally the receipt and proper documentation of spare parts, kick-off of warranty administration, determination and receipt of special tools and the remaining maintenance training are critical path items for the start-up of the system on September 9, 2016.
- Following the conditional acceptance of the vehicles by the City under the CAF contract it is anticipated that the vehicles will be turned over to SORTA for operations and maintenance.



6.9. STREETCAR VEHICLE

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



6.10. OPERATIONS AND MAINTENANCE INTERGOVERNMENTAL AGREEMENT

- SORTA continues discussions with the City of Cincinnati and DCI regarding the VTICA arrangement. There will be an amendment to the OMIGA as well as a separate recipient agreement between SORTA and Downtown Cincinnati Incorporated (DCI).

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7.0. DBE & INCLUSION

- MPD reported a DBE Spend at end of May of 14.3, below SORTA's project target of 18%.
- Tally of final quantities will not be fully available until later this year. This tallying is very likely to adjust the currently reported total.
- As reported at the time, in March 2015 the project team received information that one of the DBE contractors on the Streetcar Project may have graduated from the DBE program in one of its NAICS codes.

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7.0. DBE & INCLUSION

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



7.0. DBE & INCLUSION

Workforce Inclusion Compliance May 2016

- City requirements under the contract establish workforce inclusion goals for MPD as well. The City requirements establish inclusion goals for the contractor's aggregate workforce in Hamilton County throughout the term of the contract. The chart below summarizes hours worked on the contract (Actual) as well as the countywide workforce inclusion goals.
- With the completion of construction and only minor punch list and testing support remaining, these totals are unlikely to change very much.

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

8.0 FEDERAL OVERSIGHT ACTIVITIES

- 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.
- Monthly meetings/teleconferences with the FTA Regional Office, SORTA, the City and the PMOC on April 12 and May 12.
- The Quarterly Review Meeting (QRM) will take place in Cincinnati on June 2, 2016.

April-May 2016 Monthly Report



Appendix B

Through: May 26, 2016

ID	Budget Category	Source	Contract	Contingency Usage Type	Contingency Usage #	Date	Description	Status	AMOUNT (5/26/16)
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	6/5/2014	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	7/31/2014	basement encroachment, cellar door, GCWW force acct., manhole mods	Complete	\$ 130,151.00
21	Construction	Allocated Contingency	MPD	Contingency Allocation	9	10/6/2014	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 ECTs from MPD	Pending	\$ 267,696.00
25	Construction	Allocated Contingency	MPD	Contingency Allocation	N/A	TBD	Estimated ECTs from MPD	Pending	\$ 39,070.00
26	Construction	Allocated Contingency	MPD	Contingency Allocation	N/A	TBD	TPSS# 2 and 3 screen/wall 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	\$ 686,869.92
30	City Project Administration	Allocated Contingency	City	Certification	N/A	TBD	City- Additional Staff Time	Pending	\$ 190,800.63
31	Construction	Unallocated Contingency	MPD	Change Order	N/A	TBD	MOF 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	Complete	\$ 130,000.00
35	Construction	Unallocated Contingency	MPD	Change Order	N/A	TBD	Additional Quantities Needed/Claims	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

Appendix B continued

Through: **May 26, 2016**

ID	Budget Category	Source	Contract	Contingency Usage Type	Contingency Usage #	Date	Description	Status	AMOUNT (5/26/16)
39	Construction	Allocated Contingency	MPD	Contingency Allocation	11	1/16/2015	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	\$ 19,973.66
44	Construction	Allocated Contingency	MPD	Contingency Allocation	12	3/20/2015	MOF prox readers, wayside power changes Ford FA, Type 3 waterproofing, other misc. field issues	Complete	\$ 267,924.00
45	Unallocated Contingency	Unallocated Contingency	Thelen	Certification	N/A	3/24/2015	Additional materials testing	Complete	\$ 20,000.00
46	Construction	Unallocated Contingency	MPD	Change Order	N/A	TBD	Central Parkway /Walnut OCS conflicts	Estimated	\$ -
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	5/12/2015	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	7/17/2015	capped manhole, utility conflict modification, subway OCS survey, Ford FA, various MOF design mods/fixes, 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	8/11/2015	TVM Enclosures	Complete	\$ 135,272.21
52	Construction	Unallocated Contingency	MPD	Change Order	9	10/15/2015	MOF & TPSS #1 SCADA internet wiring; MOF furniture; MOF W TM Mods; MOF cameras	Complete	\$ 176,923.00
53	Construction	Allocated Contingency	MPD	Contingency Allocation	15	9/8/2015	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	10/15/2015	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	11/23/2015	ECI's 160,193,201,205,209,226,227,248,268	Complete	\$ 36,043.00
56	Construction	Unallocated Contingency	MPD	Change Order	11	1/7/2016	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	1/25/2016	ECI's 196, 184, 267, 275, 284, 288, 290	Complete	\$ 33,195.00
58	Construction	Unallocated Contingency	MPD	Change Order	12	2/8/2016	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	ECI 312 - Walnut Skywalk Bridge Protection	Estimated	
62	Construction	Unallocated Contingency	MPD	Change Order	TBD	TBD	ECI 307 - Henry St. Isolation	Estimated	
63	Construction	Unallocated Contingency	MPD	Change Order	TBD	TBD	ECI 311 - MOF Electric (208v), lighting mods	Estimated	
64	Construction	Unallocated Contingency	MPD	Change Order	TBD	TBD	ECI 315 - Additional Striping for Transit Only Lanes	Estimated	
65	Construction	Unallocated Contingency	MPD	Change Order	TBD	TBD	ECI 300 - Compressive Strength Pay Factor Claim - ODOT Spec 898	Estimated	\$ 201,865.00
66	Vehicles	Allocated Contingency	LTK	Change Order	N/A	TBD	LTK - Amendment #3	Complete	\$ 100,000.00
67	Design	Unallocated Contingency	PB	Change Order	N/A	TBD	Additional construction support work needed	Estimated	\$ 20,000.00
68	Vehicles	Allocated Contingency	LTK	Change Order	N/A	TBD	LTK - Amendment #4	Complete	\$ 100,000.00
69	Utilities	Allocated Contingency	TWC	Addition	N/A	TBD	TWC close out remainder	Complete	\$ (667,443.79)
70	Vehicles	Allocated Contingency	LTK	Change Order	N/A	TBD	LTK - future amendments/additional time needed	Estimated	\$ 300,000.00