



C I N C I N N A T I
STREETCAR™

MONTHLY REPORT

August 2015

REFERENCES

- For background information on the Cincinnati Streetcar, please go to <http://www.cincinnati-oh.gov/streetcar/>
- For previous months' reports, please go to <http://www.cincinnati-oh.gov/streetcar/documents-references/>
- For an archive of weekly progress updates, please go to <http://www.cincinnati-oh.gov/streetcar/news/>



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ACRONYMS

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

PROGRESS SUMMARY



The Over-The-Rhine loop looking north with Central Parkway track in the foreground 5

PROGRESS SUMMARY

- Civil construction major accomplishment in August included MPD completing the last tangent (non-curved) trackwork on Main Street, leaving only the curve at Second Street.
- Work on OCS, Traffic Signal pole foundations will be complete in September.
- OCS Wire pulls along Twelfth St. and on Central Parkway completed.
- TPSS, OCS testing continued in OTR Loop.
- Vehicle production continues at CAF Elmira, NY plant.
- Unit #1 in dynamic testing, Unit #2 in Climate Room testing.
- CAF projects first vehicle delivery to Cincinnati at end of Oct.
- At the MOF building and the OTR track loop; minor testing, punchlist and closeout activities continued all through August including revisions for the Wheel Truing Machine at the MOF.



2.1 CONSTRUCTION CONTRACT SCHEDULE

- Maintenance and Operations Facility (MOF) and test track completion - March 21, 2015 (Achieved)
- Over-The-Rhine Loop Completion - July 19, 2015 (Achieved)
- Completion of all work - April 4, 2016 (On schedule)
- Revenue Service start - September 15, 2016 (On schedule - unchanged from original construction contract with MPD)
- Summary schedule follows:



AUGUST 2015 SCHEDULE SUMMARY

ID	Description	Original Duration	Start	Finish	Area	2015					2016							
						Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Elm/ 12th to Henry																		
1	MOT/Road Removal/Trackwork Start	1	09/16/13A	09/16/13A	Elm/ 12th to Henry													
2	Track/Road Complete	1	01/09/14A	01/09/14A	Elm/ 12th to Henry													
Race/ Elder to 12th																		
3	MOT/Road Removal/Trackwork Start	1	12/26/13A	12/26/13A	Race/ Elder to 12th													
4	Track/Road Complete	1	04/01/14A	04/01/14A	Race/ Elder to 12th													
Central/ Race to Main																		
5	MOT/Road Removal/Trackwork Start	1	03/24/14A	03/24/14A	Central/ Race to Main													
6	Track/Road Complete	1	06/18/14A	06/18/14A	Central/ Race to Main													
12th/ Main to Elm																		
7	MOT/Road Removal/Trackwork Start	1	04/21/14A	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 Diamond													
12	Track/Road Complete	1	08/13/14A	08/13/14A	OTR Turns and Diamond													
MOF Area Turn Outs																		
9	MOT/Road Removal/Trackwork Start	1	08/28/14A	08/28/14A	MOF Area Turn Outs													
10	Track/Road Complete	1	12/31/14A	12/31/14A	MOF Area Turn Outs													
Walnut/Central to 2nd																		
13	MOT/Road Removal/Trackwork Start	1	08/11/14A	08/11/14A	Walnut/Central to 2nd													
14	Track/Road Complete	1	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	11/05/15	11/05/15	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	09/24/15	09/24/15	Main/2nd to 12th													
OTR																		
20	3000' Test Track	0		03/20/15A	OTR													
25	MOF Complete	0		03/20/15A	OTR													
30	Power and Stations - OTR	0		07/17/15A	OTR													
CBD																		
50	Power, Stations, Paving, and Closeout - CBD	0		04/04/16	CBD													
60	Pay Service Available	0		09/30/16	CBD													

Start Date: 01/01/13
 Finish Date: 09/30/16
 Data Date: 09/01/15
 Run Date: 09/16/15

Cincinnati Streetcar
 Contract #121C009060
 September 1, 2015 - Project Schedule



CONSTRUCTION STATUS

Track:

- Complete Through August 31
- Scheduled Oct 2015



OCS:

- Complete Through Aug 31
- Scheduled Sep-Oct 2015



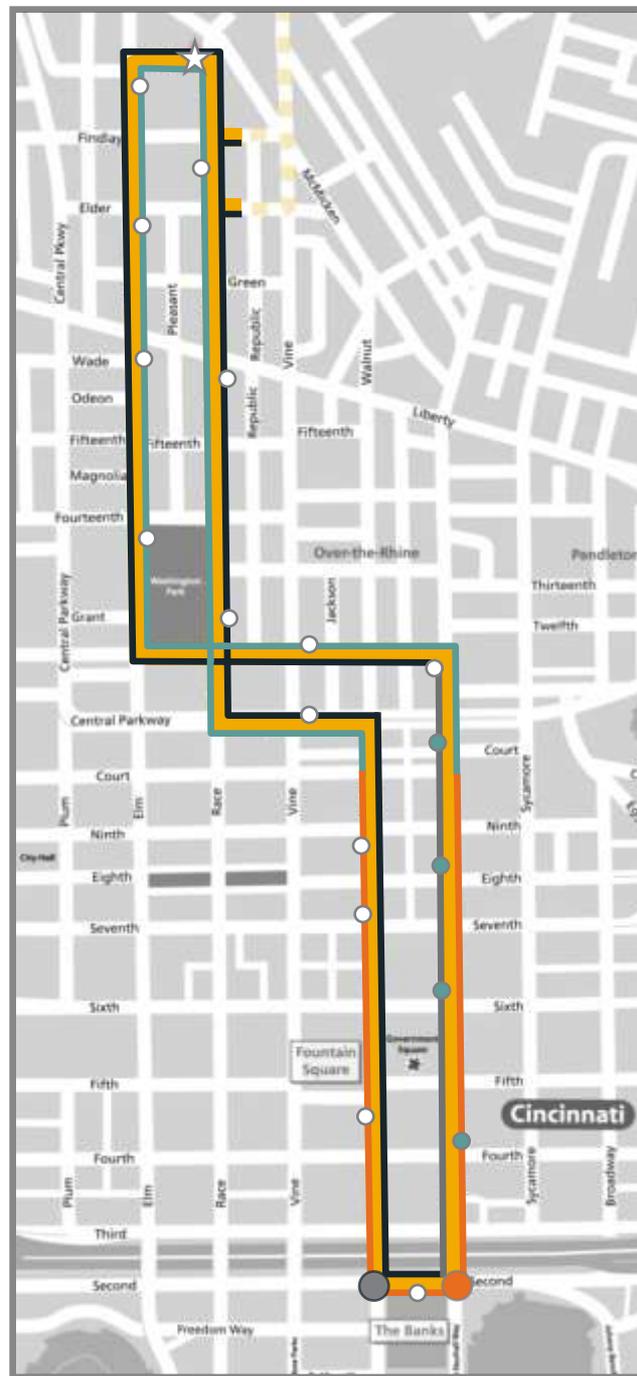
Paving:

- Complete
- Scheduled Sep 2015



Stops:

- Complete
- Scheduled Sep 2015



2.2 TRACKWORK & ASSOCIATED CONSTRUCTION

- MPD undertook pavement saw cutting and removal on Main Street for Stops #2, #3 and #4 and for a new bus pad between Fifth and Sixth Streets.
- Track concrete & rail installation took place on Main, Fourth to Fifth Streets.
- Rails were grouted around the OTR loop and at the MOF.
- Sidewalk, curb and handicapped ramp restoration continued on Walnut from Fourth to Fifth Streets and on Main from Third Street to Central Parkway in preparation for asphalt paving in September.
- Pavers were replaced on Walnut from Fourth to Fifth Sts. and at Central Parkway and on Main from Seventh to E. Court Sts.



2.2 TRACKWORK & ASSOCIATED CONSTRUCTION

- MPD completed Stop #5 concrete and began concrete work at Stops #3 and #4.
- Masonry work at TPSS #2 was completed in August.
- Crosswalk infill work occurred at 3rd & Walnut Streets.
- Bases and other additions for installing the TVM's on the station platforms took place at Stops #3 through #16.



2.2 TRACKWORK & ASSOCIATED CONSTRUCTION PROGRESS DETAILS through 8/31/15

- Revenue Track Complete 18,293 of 18,600 ft. (98%)
- OCS Pole Foundations (as of 10/7/15) 317 of 317 complete (100%)
- OCS Poles (as of 10/7/15) 328 of 328 complete (100%)
- Traffic Signal Foundations (as of 10/7/15) 96 of 96 complete (100%)
- Traffic Signal Poles 95 of 95 complete (100%)
- Lane Miles Paved Approx. 10.7 of 13.5 complete
- Station Stop platforms (as of 10/7/15) 18 of 18 complete
- Traction Power Substations 4 of 4 delivered
- Special Trackwork 12 of 12 switches installed



2.2 TRACKWORK & ASSOCIATED CONSTRUCTION



Vacuuming out the debris from the flangeway on Walnut St., Seventh to Eighth Sts.

2.2 TRACKWORK & ASSOCIATED CONSTRUCTION



Rail delivery on Main St., Third to Fourth Sts.

2.2 TRACKWORK & ASSOCIATED CONSTRUCTION



Tying the top mat of reinforcing steel in the Main St. trackslab steel, Fourth St. to Fifth St.

2.2 TRACKWORK & ASSOCIATED CONSTRUCTION



Placing concrete for trackslab on Main St., Fourth to Fifth Street, leaving only the curve at Second and Main

2.2 TRACKWORK & ASSOCIATED CONSTRUCTION



Punch list inspection for the OTR loop, here at Stop #11

2.2 TRACKWORK & ASSOCIATED CONSTRUCTION



Masons constructing the TPSS #2 enclosure at E. Court and Walnut Sts.

2.2 TRACKWORK & ASSOCIATED CONSTRUCTION



Demolition for Stop #2 at Main and Fourth Sts.



Forming the curb for Stop #3 at Main and Seventh Sts.

2.2 TRACKWORK & ASSOCIATED CONSTRUCTION



Forming up Stop #4



Waterproofing basement encroachment at the County Administration Building, Stop #5

2.2 TRACKWORK & ASSOCIATED CONSTRUCTION



Completed platform work at Stop #5



Bike racks installed at Stop #10

2.2 TRACKWORK & ASSOCIATED CONSTRUCTION

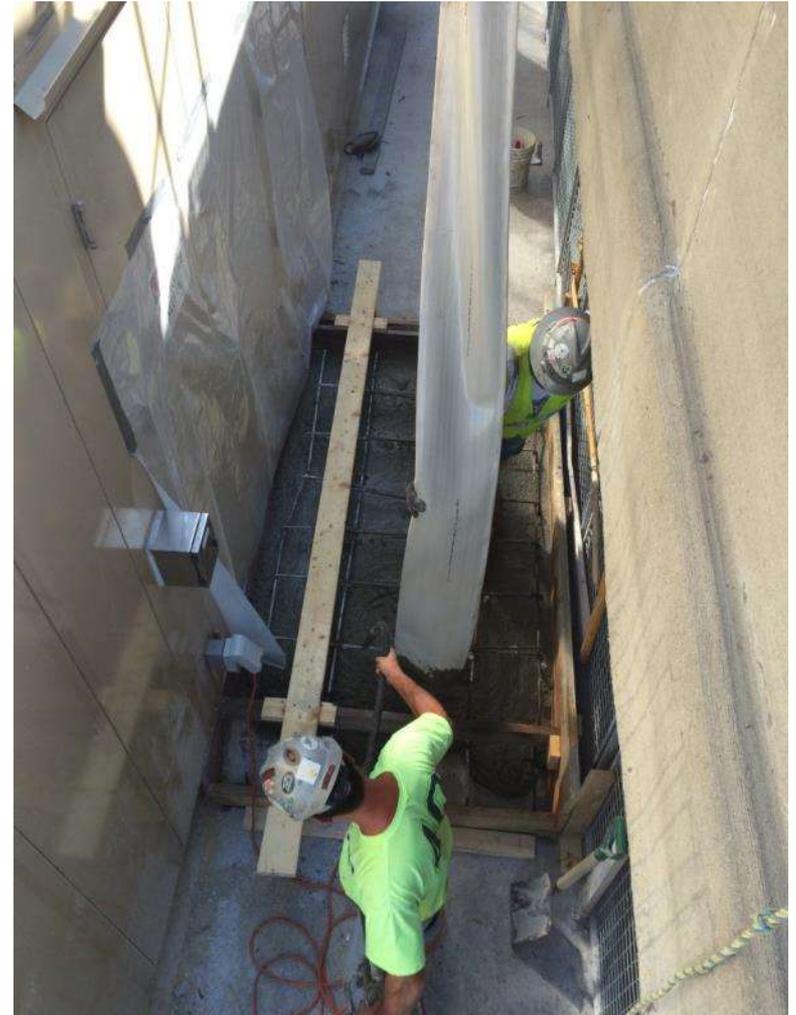


Restoring paver border on Main St. between Seventh and Eighth Sts.



Restoring sidewalk and ramps south of Stop #4

2.2 TRACKWORK & ASSOCIATED CONSTRUCTION



Using an “elephant trunk” to safely chute concrete down to complete the TPSS #1 access stairs

2.3 MAINTENANCE & OPERATIONS FACILITY



The MOF in the foreground with work underway on the OCS into the facility

2.3 MAINTENANCE & OPERATIONS FACILITY

- Equipment testing, punchlist and other closeout activities continued.
- Work to accommodate the Wheel Truing Machine in the wide pit began.
- Work took place on the MOF OCS wire system.



Accommodation work for the Wheel Truing Machine

2.4 UTILITY WORK

Utility work, including street and sidewalk is wrapping up:

- Duke Electric 99% complete
- Duke Gas 99% complete
- Cincinnati Bell 99% complete
- Water 99% complete
- Level 3 100% complete
- Chilled Water 100% complete
- Time Warner Cable 99% complete
- MSD (Sewer) 95% complete



2.4.1 CONTRACT UTILITY WORK

- The specialist contractor completed traffic control conduit work on Main St. from Fourth to Fifth Sts.
- Traffic signal work took place on Main St. from Third to Sixth Sts.
- Pole foundations were placed at Main and Fourth, Sixth, and Eighth Sts.
- Anchor bolts for OCS poles were installed by core drilling and epoxy embedding into the bridge structures on Second St. from Walnut to Main Sts.
- Poles were installed at Main and Second Sts.
- The specialist contractor installed OCS wire brackets, span wires and arms on Twelfth St. from Elm to Race Sts., on Central Parkway from Race to Walnut St. and on Walnut St. from Central Parkway to Second Sts. followed by the OCS wire.
- Work began to delivery power to Stop #5 at Main and E. Court Sts.



2.4.1 CONTRACT UTILITY WORK



Inspecting components of the MOF
Yard TPSS



Installing the OCS Disconnect Box at
Second and Walnut Sts.

2.4.1 CONTRACT UTILITY WORK



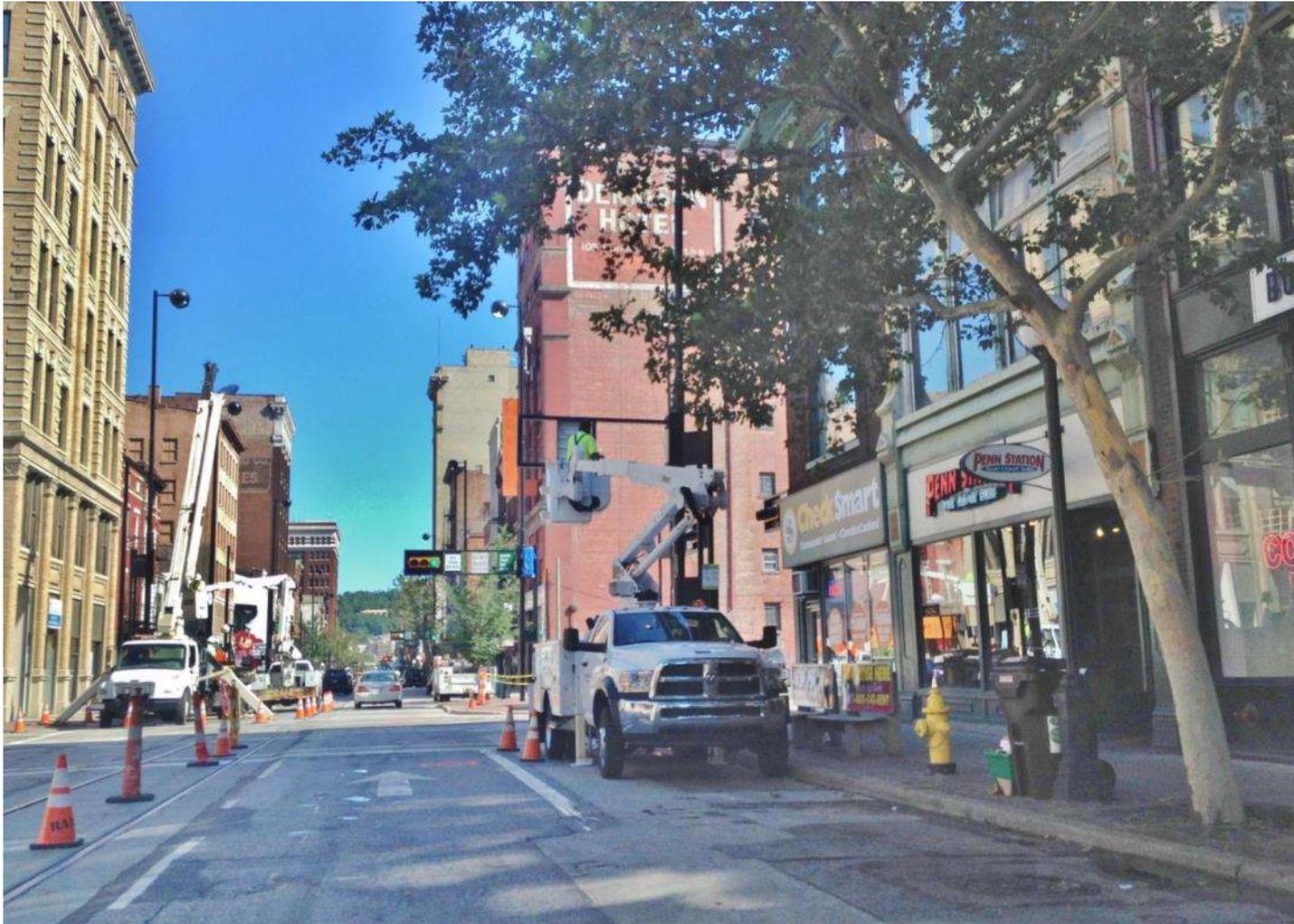
Installing the OCS wire on Twelfth St. near main St.

2.4.1 CONTRACT UTILITY WORK



OCS Pole foundation work on Main St. between Eight and Ninth Sts and on Second St. from Walnut to main Sts.

2.4.1 CONTRACT UTILITY WORK



OCS pole being installed at the northwest corner of Seventh and Main Sts. and signal work underway at the southeast corner on a Sunday to minimize traffic impact

2.4.2 THIRD PARTY UTILITY WORK

- Duke Energy has continued sidewalk restoration.
- Time-Warner continued their cleanup of their system in Over-the-Rhine
- Cincinnati Bell continued manhole adjustments in conjunction with trackwork and pulling cable in their new systems.
- All other utility companies are virtually complete except for minor restoration or casting adjustments that will occur with the street repaving operation.



2.4.2 THIRD PARTY UTILITY WORK



Cincinnati Bell working in their manholes to complete their relocated systems

2.5 COMMUNITY INVOLVEMENT



2.5 COMMUNITY INVOLVEMENT

- The Stakeholders Meeting was held on Wednesday 8/12/15 at Christ Church with the September meeting scheduled for Wednesday 9/9/15 again at Christ Church.
- Continuing established involvement strategy plan:
 - Monthly Construction Stakeholders Meeting
 - Email Weekly updates
 - Media alerts for all closures or other work disrupting pedestrian or vehicular traffic
 - Business, citizens get information about street and lane closures through a variety methods:
 - Personal visit by a member of the team
 - Attendance at DCI/Police Sector Meetings
 - Streetcar Hotline: (513) 352-3333



2.5 COMMUNITY INVOLVEMENT

- Continuing established involvement strategy (continued):
 - Streetcar website: www.cincinnati-streetcar.com (all media and press releases)
 - Media Interviews
 - Bi-weekly coordination meetings with police, City Manager and communication personnel
 - Briefings at multiple community and business organizations as requested
 - Monthly Riverfront Joint Operations Task Force
 - Social media (twitter @Cincy_Streetcar, City of Cincinnati Facebook page <https://www.facebook.com/CincinnatiStreetcarOFFICIAL>)



2.6 MPD BILLINGS - AUGUST 2015

Bid Form Section	Total	Prev. Incurred	July (Net ret)
Behind the Curb Work	\$1,456,894	\$67,727	\$0
Central Parkway Median	\$116,455	\$118,106	\$0
Civil, Roadway and Drainage	\$10,445,950	\$8,880,817	\$150,290
Communication System	\$1,228,959	\$214,561	\$0
Corrosion Control	\$354,682	\$301,480	\$7,094
Misc. Items	\$5,075,000	\$3,989,602	\$23,166
MOF Civil and Track	\$3,170,177	\$3,115,713	\$0
MOF	\$8,744,492	\$8,437,198	\$61,638
OCS Mainline	\$5,502,798	\$4,621,579	\$220,543
Signal System Streetcar	\$669,588	\$655,309	\$0
Streetcar Stop Shelters and Sitework	\$2,243,714	\$1,567,911	\$151,305
Trackwork on Grade	\$13,018,686	\$12,882,148	\$167,300
Trackwork on Structures	\$2,950,663	\$2,849,043	\$7,500
Traction Power	\$6,566,003	\$5,809,888	\$57,952
Traffic Signals and Lighting	\$4,793,179	\$4,005,863	\$168,537
Water Main - Main Street	\$2,508,352	\$2,385,966	\$0
Water Main - Walnut Street	\$2,046,457	\$1,780,106	\$0
CO#1	\$492,933	\$173,979	\$0
CO#2	\$100,000	\$52,861	\$0
CO#3	\$359,745	\$476,250	\$0
CO#4	\$265,211	\$170,514	\$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	\$168,066	\$0
Totals:	\$73,148,433	\$63,553,564	\$1,015,324

3.0 VEHICLES

- Vehicle production and testing continues in Elmira
 - Unit #1 currently undergoing dynamic testing on the Elmira test track
 - Unit #2 currently undergoing climate room testing in Hornell, NY
 - Unit #3 recently completed carshell assembly and watertightness testing - undergoing remaining installation assemblies
 - Unit #4 carshell assembly in progress
 - Unit #5 carshells onsite in Elmira
- Project team met with CAF in Elmira, NY July 21-23, Aug 24-26
- Watertightness test on Unit #1 completed
- Dynamic, climate room testing scheduled to wrap up Sep 30



3.1 VEHICLE SCHEDULE STATUS

- CAF has submitted a recovery plan in response to the City's request
 - Projected arrival dates for streetcar units in Cincinnati:

Streetcar	Proj. Arrival in Cincinnati
Unit #1	October 30, 2015
Unit #2	December 11, 2015
Unit #3	November 23, 2015
Unit #4	January 7, 2016
Unit #5	February 5, 2016

- CAF is committing additional shifts for production and testing activities
- Increased on-site support for testing activities by CAF engineering and key system suppliers
- Reorganization of factory and test track activities



CAF RECOVERY PLAN

- Major potential risks:
 - 1) Additional production and testing shifts will put pressure on City's engineering and inspection resources (LTK)
 - Could require additional resources for LTK contract
 - 2) Extended delivery could impact construction contractor's testing schedule
 - City is working to determine extent of this - could result in delay claim from MPD
 - 3) Extended delivery dates could impact start up schedule for operator
 - No anticipated impact to operations activities for Transdev, based on current projected delivery dates - will monitor against further delays
 - 4) Failures or issues identified in testing activities could produce further delay
 - Redesign or major retesting will require additional time



3.2 DESIGN & PRODUCTION ACTIVITIES



Car #1 on the CAF test track in Elmira

3.2 DESIGN & PRODUCTION ACTIVITIES



Car #1 on the CAF test track in Elmira

3.2 DESIGN & PRODUCTION ACTIVITIES



Car #1 on the CAF test track in Elmira

3.2 DESIGN & PRODUCTION ACTIVITIES



Car #1 on the CAF test track in Elmira at maximum speed



Car #2 touch screen being tested

3.2 DESIGN & PRODUCTION ACTIVITIES



CAF technician checking system outputs and making real-time modifications to Car #1 on the CAF test track in Elmira



LTK engineer, CAF production lead and City project manager discussing wire raceway attachment at the Elmira factory

3.2 DESIGN & PRODUCTION ACTIVITIES



Car #1 undergoing dynamic testing with simulated passenger load at the CAF test track in Elmira

3.2 DESIGN & PRODUCTION ACTIVITIES



Car #2 ready to depart for the Climate Room Test of the vehicle's HVAC equipment

3.2 DESIGN & PRODUCTION ACTIVITIES



Car #3 ready to undergo water tightness testing at the CAF factory in Elmira

3.2 DESIGN & PRODUCTION ACTIVITIES



Car #4 in production adjacent to a Kansas City car at the CAF factory in Elmira

4.0 BUDGET & EXPENDITURES

- Through Aug 31, 2015:
 - \$113,247,027 has been expended on the project (not including Duke escrow)
 - \$30,016,769 remains encumbered against open contractual obligations on the project
- Major Contract Activity:
 - Nine change orders to the MPD construction contract have been issued totaling \$2,433,306
 - Two change orders to the CAF vehicle contract have been issued totaling \$0
 - See Appendix A for breakout of Contingency Usage



BUDGET VS. EXPENSES

Through 8/31/15 - DRAFT

BUDGET - June 2013		EXPENSES 8/31/2015		
Budget Category	Base + Allocated Contingency	Expended	Encumbered	Expend. + Encumb.
Pre-Development	\$ 1,313,786.00	\$ 1,264,628.13	\$ 49,157.87	\$ 1,313,786.00
Design	\$ 14,598,719.00	\$ 14,313,044.86	\$ 19,571.85	\$ 14,332,616.71
Real Estate	\$ 2,010,143.00	\$ 2,011,186.00	\$ -	\$ 2,011,186.00
Construction	\$ 52,511,908.33			
MOF	\$ 11,914,668.98			
Utilities (Project)	\$ 6,958,405.62	\$ 61,962,440.26	\$ 9,422,542.67	\$ 71,384,982.93
Utilities (3rd Party)	\$ 6,225,065.37	\$ 2,574,494.38	\$ 3,092,363.76	\$ 5,666,858.14
Vehicles	\$ 25,213,095.40	\$ 8,937,859.92	\$ 15,014,060.59	\$ 23,951,920.50
Fare Vending	\$ 550,000.00	\$ -	\$ -	\$ -
City Project Administration	\$ 4,441,476.27	\$ 3,082,985.44	\$ 260.00	\$ 3,083,245.44
SORTA Project Administration	\$ 2,100,000.00	\$ 1,022,484.78	\$ 977,515.22	\$ 2,000,000.00
Start-up	\$ 250,000.00	\$ -	\$ -	\$ -
Unallocated Contingency	\$ 4,991,010.00	\$ 3,077,903.81	\$ 1,441,297.82	\$ 4,519,201.63
Subtotal	\$ 133,078,277.97	\$ 98,247,027.58	\$ 30,016,769.78	\$ 128,263,797.35
Utilities (Duke Escrow)	\$ 15,000,000.00	\$ 15,000,000.00	\$ -	\$ 15,000,000.00
Grand Total	\$ 148,078,277.97	\$ 113,247,027.58	\$ 30,016,769.78	\$ 143,263,797.35

* Construction Expenditures include \$2.925 Million in unreleased retainage on MPD contract .
 Vehicle Expenditures include \$346,228 in unreleased retainage on CAF contract

CONTINGENCY USAGE

Through 9/10/15 - DRAFT

Budget Category	Contingency Budget	Completed Contingency Uses	Pending Contingency Uses	Estimated Contingency Uses	Contingency Remaining
ALLOCATED CONTINGENCY					
Pre-Development	\$ -	\$ -			\$ -
Design	\$ 202,370.96	\$ -			\$ 202,370.96
Real Estate	\$ -	\$ -			\$ -
Construction					
MOF	\$ 2,000,000.00	\$ 1,359,248.32	\$ 81,287.00	\$ -	\$ 559,464.68
Utilities (Project)					
Utilities (3rd Party)	\$ 77,207.23	\$ -			\$ 77,207.23
Vehicles	\$ 2,101,722.40	\$ 977,100.75			\$ 1,124,621.65
Fare Vending	\$ 50,000.00	\$ -			\$ 50,000.00
City Project Administration	\$ 190,800.63	\$ -	\$ 190,800.63		\$ -
SORTA Project Administration	\$ 100,000.00	\$ -			\$ 100,000.00
Start-up	\$ -	\$ -			\$ -
Subtotal	\$ 4,722,101.22	\$ 2,336,349.07	\$ 272,087.63	\$ -	\$ 2,113,664.52
UNALLOCATED CONTINGENCY					
Unallocated Contingency		\$ 1,385,418.50		\$ 223,538.00	
Construction	\$ 4,991,010.00	\$ 2,049,340.11		\$ 931,347.00	\$ (1,139,450.64)
City Project Administration			\$ 931,868.72		
Design		\$ 608,948.31			
Subtotal	\$ 4,991,010.00	\$ 4,043,706.92	\$ 931,868.72	\$ 1,154,885.00	\$ (1,139,450.64)
Utilities (Duke Escrow)	\$ -				\$ -
Grand Total	\$ 9,713,111.22	\$ 6,380,055.99	\$ 1,203,956.35	\$ 1,154,885.00	\$ 974,213.88

4.1 FEDERAL GRANT ACTIVITY

- Through Aug 31, 2015:
 - \$34,283,610 has been drawn (or submitted for draw) on the \$45.2 million in federal grants.
 - Approximately 77% of the federal grants have been drawn
 - Two of the four federal grants have been closed out: CMAQ and SORTA Rail ROW



GRANT DRAWDOWN SUMMARY

Through 8/31/15 - DRAFT

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	\$ 814,777	\$ 476	\$ 573,292
		12.23.03	Construction	\$ 7,600,000	\$ 7,600,000	\$ -	\$ (0)
		12.13.20	Vehicles	\$ 16,000,000	\$ 5,887,426	\$ 779,653	\$ 9,332,921
Subtotal				\$ 24,989,998	\$ 14,303,656	\$ 780,129	\$ 9,906,213
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	\$ 3,130	\$ -	\$ 208,323
		12.23.03	Construction	\$ 15,554,000	\$ 15,554,000	\$ -	\$ (0)
Subtotal				\$ 15,919,998	\$ 15,711,676	\$ -	\$ 208,322
TOTAL				\$ 45,178,274	\$ 34,283,610	\$ 780,129	\$ 10,114,535

•Drawn + Pending = 77.6% of Federal grant funds



5.0 JOB SITE SAFETY



Job Site Safety Luncheon celebrating 250,00 worked on the job and 150,000 man-hours without a lost time accident.

5.0 JOB SITE SAFETY

- A Milestone Celebration Lunch was held on 8/18/15 to thank the workers for their dedication to safety the past 2 years with 250,000 man-hours to date & 150,000 man-hours without a lost time accident.
- Ollier Masonry was recognized as the Safe Contractor of the Month for August.
- All on-site workers received project stickers and safety vests to identify them as part of the project team following their orientation.
- No lost time accidents were reported in August.
- With underground work wrapping up, risk for incidents is greatly reduced.



5.0 JOB SITE SAFETY

- Safety Oriented to date: 874
- Safety Oriented in August: 16
- Safety Orientations held in August: 7
- Total man-hours worked to date: 262,361
- Total man-hours worked without a lost time accident: 161,062
- Lost Time Accidents to date: 3
- Lost Time Accidents in August: 0
- Incidents to date: 148
- Incidents (small safety infractions) in August: 3



5.0 JOB SITE SAFETY



Ollier Masonry, Safe Contractor of the Month for August.

6.0 SORTA ACTIVITIES



SORTA's Rail Services Director inspects the streetcar systems in preparation for operations

6.1 OPERATIONS & MAINTENANCE PLANNING

- Following Notice to Proceed (NTP) on August 3, 2015, Transdev staff mobilized three staff positions in Cincinnati. General Manager John Claflin, Maintenance Manager Scott Archibald and Transportation & Safety/Security Manager Phil Lind. All three started on site in Cincinnati on NTP.
- The Transdev team located in the Gwynne Building SORTA offices temporarily until the City of Cincinnati indicates that the offices located at the Maintenance and Operations facility are available.
- A series of kick-off meetings with Transdev, the various Metro departments and the City of Cincinnati were held on the first week of August following NTP. Initial activities of Transdev have included a visit to the CAF USA plant in Elmira, NY to examine the vehicle production, resequencing of the start-up schedule (staff hiring) in light of the revised vehicle delivery dates and coordination with SORTA and the City of Cincinnati and development of standard operating procedures.



6.1 OPERATIONS & MAINTENANCE PLANNING

- Transdev staff is now also participating in the Construction Status, Public Stakeholders, Safety and Security and Rail Activation meetings.
- SORTA and City staff met throughout the month of August to finalize procedures for reimbursement of SORTA for streetcar operating costs per the Operations and Maintenance Intergovernmental Agreement
- CAF USA has provided a new schedule update to the City of Cincinnati. SORTA staff is working with the City and CAF USA on critical start-up issues such as delivery schedules for spare parts, special tools and training.
- Additionally SORTA staff is providing the City and CAF USA with the programming for the destination signs, audio announcements and other operational vehicle configuration items.
- Delta Manufacturing has scheduled delivery of the WTM for the week of September 21, 2015. All preparations at the Maintenance and Operations Facility are complete.



6.2 FARE EQUIPMENT

- SORTA staff is examining the feasibility of the use of future Metro contactless smart cards on streetcar. The Ticket Vending Machine (TVM) units that have purchased for the project already contain the necessary hardware. SORTA staff is currently working through all of the issues that may result, including the necessary equipment for the ticket inspectors.



6.3 RAIL ACTIVATION

- The SORTA Rail Activation Committee (RAC) continues to meet bi-weekly. Following delivery of the first and subsequent streetcar vehicles the committee will likely begin weekly meetings and daily if necessary. In addition to the coordination of SORTA activities.
- The RAC will manage the scheduling of the start-up process, with particular focus on the initial integrated testing program.
- A draft Integrated Test Plan (ITP) outline has been developed, and SORTA staff is working with TRA to develop a first draft plan and schedule in September.
- Additionally SORTA staff will develop an updated Streetcar Rail Activation Plan (SRAP) in September, which will include the ITP.



6.4 SAFETY & SECURITY CERTIFICATION

- SORTA has executed two new task orders with Transportation Resource Associates (TRA) under SORTA contract 09-13. These are Task #7 and Task #8.
- Task #7 includes scope for the final remaining support for safety and security certification activities and support for the development of an integrated test plan. This test plan will form part of the overall Streetcar Rail Activation Plan (SRAP).
- The Streetcar Project Safety Officer, TJ Thorn, resigned from SORTA due to personal issues. In discussions with TJ SORTA intends to negotiate a contract so that TJ can continue in his role as project safety officer in a part-time capacity.
- Safety and Security Review Committee and Fire Life Safety and Security Committee meetings have continued.



6.5 ADVERTISING / SPONSORSHIPS

- SORTA hosted a workshop to coordinate the various stakeholders regarding the advertising, sponsorship and fare revenue contracts for streetcar.
- The Haile Foundation has facilitated a new non-profit, the Cincinnati Street Railway, Inc. (CSR). Based on the outcome of the workshop SORTA will take the lead on exterior vehicle advertising through its existing contracts and policies for exterior bus vehicle advertising and CSR will take the lead on system and station sponsorships.
- SORTA will also include streetcar in future negotiations of fare revenue contracts.



6.5 MARKETING / EDUCATION

- The “Be(e) Streetcar Safe” campaign plan has been developed and will launch as part of an overall education effort a few weeks prior to first vehicle delivery and on-street testing.



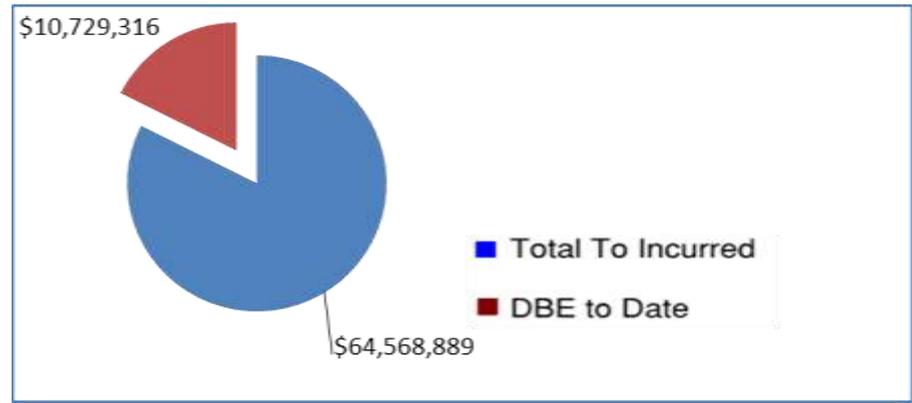
6.6 UPCOMING SORTA BOARD OF TRUSTEES ACTIONS

- Approval of contract between SORTA and Downtown Cincinnati Improvement District governing streetcar operations and maintenance funding from the Voluntary Tax Incentive Contribution Agreement (VTICA) (anticipated October 2015)
- Approval of Fare and Service Equity Analysis/Title VI review including public hearings and any associated service changes (December 2015)



7.0 DBE & INCLUSION

DBE Spend To Date:
16.6%



- MPD reports a DBE Spend at end of July: 16.6%, the same as the month of July and below the target of 18%.
- The City will continue to monitor MPD's reporting and performance against the DBE goal and seek ways to maximize DBE spending and discuss during weekly construction progress meetings.
- MPD reports that work could still on track to meet the DBE sub-contracting goal of 18% at the time of final billing. but the tallying of final quantities may show them below their goal

DBE & INCLUSION

Workforce Inclusion Compliance

- City requirements under the contract establish workforce inclusion goals for MPD as well. The City requirements establish inclusion goals for the contractor's aggregate workforce in Hamilton County throughout the term of the contract. The chart below summarizes hours worked on the contract (Actual) as well as the countywide workforce inclusion goals:

Minority & Female Utilization		
	<u>Actual</u>	<u>Goal</u>
Minority Hours	18.8%	11.9%
Female Hours	3.9%	6.9%
Minority Female	68.2%	50.0%



8.0 FEDERAL OVERSIGHT ACTIVITIES

- All activities undertaken by the project have to date met Federal Transit Administration rules and regulations.
- The City and SORTA each have responsibility for ensuring that the project adheres to FTA guidelines governing such areas as procurement, project management, financial management, operations and maintenance, Buy America, and safety and security certification.
- Project staff responded to various requests for information from FTA and the PMOC throughout the reporting period.
- The monthly meeting/teleconference with the FTA Regional Office, SORTA, the City and the PMOC was cancelled because of the heavy travel schedule of attendees.
- The next Quarterly Review Meeting will take place in Cincinnati in September 11, 2015, with participation by the FTA Regional Office personnel, the PMOC, SORTA, and the City.



Appendix B
Change Orders, Contingency Allocations

Through: September 10, 2015

ID	Budget Category	Source	Contract	Contingency Usage Type	Contingency Usage #	Date	Description	Status
1	Construction	Base	MPD	Change Order	1	8/2/2013	Labor, bonding, and materials costs associated with delay in contract NTP date.	Complete
2	Construction	Unallocated Contingency	MPD	Change Order	2	1/14/2014	Delay costs appropriated by City Council for Council-mandated "pause"	Complete
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
4	Construction	Allocated Contingency	MPD	Contingency Allocation	1	11/8/2013	Empty conduit crossings; non-perform test station	Complete
5	Construction	Allocated Contingency	MPD	Contingency Allocation	2	11/8/2013	GCWW field conditions	Complete
6	Construction	Allocated Contingency	MPD	Contingency Allocation	3	12/30/2013	Mortar for granite pavers	Complete
7	Construction	Allocated Contingency	MPD	Contingency Allocation	4	12/30/2013	Additional abatement at MOF site	Complete
8	Construction	Allocated Contingency	MPD	Contingency Allocation	5	1/30/2014	Cast iron detectable warning; add. Geopiers; dielectric membrane; MOF conditions, others	Complete
9	Unallocated Contingency	Unallocated Contingency	Thelen	Certification	N/A	10/21/2013	Materials testing	Complete
10	Unallocated Contingency	Unallocated Contingency	KPMG	Certification	N/A	12/11/2013	City Council-mandated audit costs	Complete
11	Unallocated Contingency	Unallocated Contingency	Transystems	Certification	N/A	8/30/2013	Schedule review support	Complete
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
13	Construction	Unallocated Contingency	MPD	Change Order	5	4/21/2014	City Council-mandated Delay Claim	Complete
14	Design	Unallocated Contingency	PB	Certification	N/A	8/25/2014	Additional construction support work needed	Complete
15	Construction	Unallocated Contingency	MPD	Change Order	6	7/22/2014	Water Works design changes	Complete
16	Construction	Allocated Contingency	MPD	Contingency Allocation	6	4/24/2014	Misc. MOF mods, telecomm conduit for MOF, GCWW force acct., Cent. Pkwy. Irrigation	Complete
17	Construction	Allocated Contingency	MPD	Contingency Allocation	7	5/9/2014	WTM conduit; Findlay dielectric membrane; Elm St. mill	Complete
18	Unallocated Contingency	Unallocated Contingency	Transystems	Certification	N/A	7/22/2014	Task 4 - Schedule review support through MOF completion	Complete
19	Unallocated Contingency	Unallocated Contingency	Duke Energy	Certification	N/A	7/31/2014	Electrical service installation costs	Complete
20	Construction	Allocated Contingency	MPD	Contingency Allocation	8	7/22/2014	basement encroachment, cellar door, GCWW force acct., manhole mods	Complete
21	Construction	Allocated Contingency	MPD	Contingency Allocation	9	10/1/2014	various MOF, sewer, GCWW, other revisions,	Complete
22	Construction	Allocated Contingency	MPD	Contingency Allocation	10	11/17/2014	Contingency Allocation #10	Complete
23	Unallocated Contingency	Unallocated Contingency	DELTA Mfg.	Certification	N/A	11/17/2014	Wheel Truing Machine	Complete
24	Construction	Allocated Contingency	MPD	Contingency Allocation	N/A	TBD	Submitted ECI's from MPD	Pending
25	Construction	Allocated Contingency	MPD	Contingency Allocation	N/A	TBD	Estimated ECI's from MPD	Pending
26	Construction	Allocated Contingency	MPD	Contingency Allocation	N/A	TBD	TPSS# 2 and 3 screenwall changes	Estimated
27	Construction	Unallocated Contingency	MPD	Change Order	N/A	TBD	Spare Switch Points	Estimated
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
30	City Project Administration	Allocated Contingency	City	Certification	N/A	TBD	City- Additional Staff Time	Pending
31	Construction	Unallocated Contingency	MPD	Change Order	N/A	TBD	MOF Telecomm 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	Complete

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Change Orders, Contingency Allocations

Through: September 10, 2015

ID	Budget Category	Source	Contract	Contingency Usage Type	Contingency Usage #	Date	Description	Status
34	Unallocated Contingency	Unallocated Contingency	Duke Energy	Certification	N/A	TBD	Duke hookup costs	Estimated
35	Construction	Unallocated Contingency	MPD	Change Order	N/A	TBD	Additional Quantities Needed	Estimated
36	Unallocated Contingency	Unallocated Contingency	TBD	Certification	N/A	TBD	Misc. MOF fit out needs, WTM mods	Estimated
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
39	Construction	Allocated Contingency	MPD	Contingency Allocation	11	1/7/2015	Partial depth repair, handrail on Race, misc. items	Complete
40	Construction	Unallocated Contingency	MPD	Change Order	7	3/18/2015	Lifting Jacks settlement, Owner-supplied Equipment mod., TPSS negative drainage conduit	Complete
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
44	Construction	Allocated Contingency	MPD	Contingency Allocation	12	TBD	MOF prox readers, wayside power changes Ford FA, Type 3 waterproofing, other misc. field issues	Complete
45	Unallocated Contingency	Unallocated Contingency	Thelen	Certification	N/A	3/24/2015	Additional materials testing	Complete
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	Estimated
48	Construction	Allocated Contingency	MPD	Contingency Allocation	13	TBD	special concrete finishing on Main, wayfinding on 2nd, MOF tread ladder, Oil/Water separator, additional sewer manhole, ped pole mods, Ford FA through Jan 2015	Complete
49	Construction	Allocated Contingency	MPD	Contingency Allocation	14	TBD	capped manhole, utility conflict modification, subway OCS survey, Ford FA, various MOF design errors, shelter damage	Complete