

Table A
Engineering & Construction
FY16 FTE Request for Consultant Conversion Positions

No. FTE	Cost Center	Project No.	Position Title	Job Description	Justification	QTR Needed
3	8410	860228 -- RC	Construction Inspector	To inspect each stage of construction of Regional Connector; track, tunnel and stations as well as all contractors activities, to be in accordance with plans and specs. Prepares non-conformance reports; maintains daily logs; monitor contractor testing activities; support construction safety functions; coordinates Metro test lab activities; and oversee DB inspection activities.	Construction Management Department does not have the personnel to assign to these activities at this point in time.	Q1
1	8410	860228 -- RC	* Senior Construction Manager	<u>Senior Construction Manager: This position oversees and manages rail facilities Regional Rail construction project, ensures work is accomplished according to specification and plans, and is on schedule and within budget. Sets priorities for staff and ensures that staff are accomplishing assigned tasks.</u>	<u>Construction Management Department does not have the personnel to assign to these activities at this point in time. Metro does not want to use consultants at this time due to the higher cost of consultants.</u>	Q1
1	8320	860228 -- RC	Sr. Engineer (Geotechnical)	To supervise geotechnical activities on the Regional Connector project.	The Regional Connector has several geotechnical elements that would require geotechnical engineering reviews. Metro Engineering is expecting to receive a very large number of submittals that require our review. With the Design Builder already on board on two of these projects and their his aggressive schedule to start construction in the summer, a new position is needed in order to assist the project in review of the geotechnical items on these projects.	Q1
1	8330	860228 -- RC	Sr. Engineer (Systems)	Supervise and manage all activities related to Systems Integration on the Regional Connector project.	An experienced Systems Integration Engineer is needed to support the Regional Connector project during design & construction. The Sr. Systems Integration Engineer is vital to ensure a seamless integration from existing systems to New Systems, New Systems to Facilities and Integrated Testing (Test Plans, Field Testing etc.). An integrated Rail System is vital for Metro's Operational needs.	Q1
1	8110	860228 -- RC	Quality Assurance Manager	Performs quality audits, surveillances, field inspection and monitoring of design, new construction modifications, as required, including monitoring of laboratory and manufacturers audits, surveillance and data analysis as directed. Coordinate with Director of Quality Management in the establishment, implementation and maintenance of Project Quality related goals; and determination and management of budgetary and staffing requirements; implementation of Quality Program requirements for assigned projects, and supervision of subordinate Quality Management staff assigned to the project.	<u>The Quality Management Group is responsible for the establishment, auditing and surveillance of quality programs and inspection and testing of in-place construction by constructors for all Major Capital construction projects, smaller capital projects, and Measure R Projects during the design, construction, testing and startup activities prior to eventual turnover of systems and structures to Metro Operations. The large amount of QA/ QC activities (establishment, auditing and surveillance of quality programs and inspection and testing of in-place construction by constructors for all our 3 Major rail projects, plus Regional Rail and several smaller Capital projects is such that our quality management resources need to be augmented. The resources we have at this time are insufficient to handle all the activities in FY' 16.</u>	Q1
1	8420	860228 -- RC	* Sr. Environmental Specialist Principal Environmental Specialist	Assist in the execution of environmental compliance and sustainability-related project of the Regional Connector Project.	Currently using consultant staff full-time for Measure R project, environmental compliance, and the sustainability-related program. This is a conversion of full-time seconded staff to regular Metro staff to reduce overall project delivery cost. Loaded per unit labor cost difference between seconded consulting staff and equivalent Metro position is up to 350%, depending on position.	Q1
8 Subtotal						

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No. FTE	Cost Center	Project No.	Position Title	Job Description	Justification	QTR Needed
3	8410	865512 -- C/LAX	Sr. Construction Inspector	Sr. Inspector, Southwest Yard (1): This position is for Southwestern Yard Project. The Inspector will support the R.E. and be required to inspect and monitor installation of the work; review and prepare reports; review and interpret plans and specifications; ensure compliance with codes, standards and contract documents; assist in resolving problems in the field; coordinate work with other agencies. Sr. Inspector, Systems : This position is for Crenshaw/LAX Transit Project. The Systems Inspector will support the project R.E. and be required to inspect and monitor installation of the systems work; review and prepare reports; review and interpret plans and specifications; ensure compliance with codes, standards and contract documents; assist in resolving problems in the field; coordinate work with other agencies. Sr. Inspector, MEP: This position is for Crenshaw/LAX Transit Project. The MEP Inspector will support the project R.E. and be required to inspect and monitor installation of the mechanical, electrical and plumbing work; review and prepare reports; review and interpret plans and specifications; ensure compliance with codes, standards and contract documents; assist in resolving problems in the field; coordinate work with other agencies.	Construction Management Department does not have the personnel to assign to these activities at this point in time.	Q1
1	8410	865512 -- C/LAX	Director of Construction Management	Dir. Construction Management: This position is for Crenshaw/LAX Transit Project, Segment B. This individual will oversee and manage construction, development of workplans, schedules and estimates; administer and monitor work for compliance with contract documents; coordinate with Metro staff and outside agencies; review change requests and prepare change notice justifications.	Construction Management Department does not have the personnel to assign to these activities at this point in time.	Q1
1	8410	865512 -- C/LAX	Sr Construction Manager (SPECIALIST: SYSTEMS)	<u>This position is for Crenshaw/LAX Transit Project. The Senior Construction Manager will act as Systems Resident Engineer and be required to oversee and manage construction, development of workplans, schedules, estimates and specifications; administer and monitor work for compliance with contract documents; coordinate with Metro staff and outside agencies; review change requests and prepare change notice justifications. This position reports to the Director Construction Management through a matrix organization.</u>	<u>This position requires a Systems specialist to support the Resident Engineers for the Mainline Crenshaw/LAX Project.</u>	Q1
1	8410	865512 -- C/LAX	Construction Manager	The Construction Manager will analyze data, specifications, and drawings; assist in monitoring work for compliance with schedule, budget, technical and legal requirements; prepare technical reports and correspondence; assist in coordination with outside agencies; maintain projects records; monitor status of submittal and design reviews. This position reports to the Director Construction Management.	The position is required to support the Office Engineer role for Crenshaw/LAX project.	Q2
1	8420	865512 -- C/LAX	* Sr. Environmental Specialist Principal-Environmental-Specialist	Assist in the execution of environmental compliance and sustainability for the Crenshaw/LAX Project.	Current staff is a full-time consultant supporting Measure R project, environmental, and the sustainability-related program. This request is for a conversion of full-time seconded staff to regular Metro staff to reduce overall project delivery cost. Loaded per unit labor cost difference between seconded consulting staff and equivalent Metro position is up to 350%, depending on position.	Q1
1	8110	865512 -- C/LAX	* Sr. Quality Engineer Quality Assurance-Manager	The <u>Sr. Quality Engineer</u> Quality Assurance Manager is required to coordinate with construction inspectors and monitor field construction activities; coordinate verification testing; evaluate quality performance.	Performs design document review, construction contract review, design and construction quality audits and surveillances, field inspection for the project as required, including laboratory and manufacturer audits and surveillances. Arranges for Metro's verification test laboratory and coordinates the tests with Inspection and Construction Management.	Q1
8 Subtotal						

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No. FTE	Cost Center	Project No.	Position Title	Job Description	Justification	QTR Needed
1	8420	865518 -- WPL1, 865522 -- WPL2	* Principal Environmental Specialist	Assist in the execution of environmental compliance and sustainability-related projects of the Purple Line Extension.	Current staff is a full-time consultant supporting Measure R project, environmental, and the sustainability-related program. This request is for a conversion of full-time secunded staff to regular Metro staff to reduce overall project delivery cost. Loaded per unit labor cost difference between secunded consulting staff and equivalent Metro position is up to 350%, depending on position.	Q1
1	8110	865518 -- WPL1	Sr. Construction Inspector	Perform quality audits, surveillances, field inspection and monitoring of design, new construction, modifications, as required, including monitoring of laboratory and manufacturer audits, surveillance and data analysis as directed.	The large amount of quality activities (establishment, auditing and surveillance of quality programs and inspection and testing of in-place construction by constructors for all our 3 Major rail projects, plus several smaller capital projects is such that our QA/ QC resources need to be augmented. The resources we have at this time are insufficient to handle all the activities in FY 16.	Q1
4	8410	865518 -- WPL1	* Senior Construction Manager	This position oversees and manages rail facilities Westside Purple Line Section 1 construction project, ensures work is accomplished according to specification, plans and is on schedule and within budget. Sets priorities for staff and ensures that staff are accomplishing assigned tasks.	Construction Management Department does not have the personnel to assign to these activities at this point in time.	Q1
4	8010	865522 -- WPL2	* Sr. Engineering Manager	This position is for Section 2 of the Westside Purple Line Extension Project. The position is required to provide direction for the engineering of the Project. The Senior Engineering Manager will provide day-to-day management and interaction with the Engineering Management Services Consultant. This position reports directly to the Director Engineering.	This position is required to deliver quality capital projects on-time and within budget. On December 31, 2014, The Federal Transit Administration (FTA) approved Metro's request for Section 2 of the Westside Purple Line Extension Project to enter the New Starts Engineering Phase of the FTA Capital Investment Grant Program. This is one of the major steps towards obtaining a Fund Funding Grant Agreement (FFGA) for the Project, which is planned for mid-2016. Another major step in obtaining an FFGA is to provide adequate staff to meet FTA's expectations on technical capacity and capabilities to bring the Project on-time and within budget. It is expected that the Advanced Preliminary Engineering will complete in FY16 to support the issuance of the Design/Build RFP procurement.	Q1
2 Subtotal						
18 Grand Total						

* Positions approved by the Board at the May 28, 2015 Special Board Meeting - FY 16 Budget .