

APPROVED CAPITAL JUSTIFICATIONS

FISCAL YEAR 2018-19



ORANGE COUNTY TRANSPORTATION AUTHORITY

550 S. MAIN STREET, P.O. BOX 14184

ORANGE, CA 92863-1584

**FISCAL YEAR 2018-19
LINE ITEM CONTROLLED CAPITAL
JUSTIFICATIONS**

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Measure M2 Program

Line Item Controlled Capital

Org- Key	Department / Fund Name	Obj	Line Item Description	Budget	Page No.
Freeways					
Costa Mesa Freeway (SR-55) Improvements (Project F)					
0017	Local Transport Auth Mea	9081	SR-55, I-405 to I-5 - Property Clearance Services	200,000	3
I-405, San Diego Freeway from I-605 to SR-55 (Project K)					
0017	Local Transport Auth Mea	9081	I-405, SR-73 to I-605 - ROW Capital	63,600,000	4
0017	Local Transport Auth Mea	9081	I-405, SR-73 to I-605 - Property Clearance Services	200,000	5
0017	Local Transport Auth Mea	9082	I-405, SR-73 to I-605 - ROW Utilities	11,280,000	6
0017	Local Transport Auth Mea	9084	I-405, SR-73 to I-605 - Contract Change Orders	11,700,000	7
0017	Local Transport Auth Mea	9084	I-405, SR-73 to I-605 - City Coop Agreements	3,346,200	8
0017	Local Transport Auth Mea	9085	I-405, SR-73 to I-605 - CMC Services	4,050,000	9
0017	Local Transport Auth Mea	9085	I-405, SR-73 to I-605 - Caltrans Coop Agreement	2,250,000	10
I-5, Santa Ana Freeway (Project C)					
0017	Local Transport Auth Mea	9081	I-5, Avenida Pico to Avenida Vista Hermosa - ROW Capital	1,000,000	11
0017	Local Transport Auth Mea	9081	I-5, SR-73 to Oso Parkway - Demolition Services	500,000	12
0017	Local Transport Auth Mea	9081	I-5, SR-73 to Oso Parkway - ROW Capital	19,197,568	13
0017	Local Transport Auth Mea	9081	I-5, Oso Parkway to Alicia Parkway - ROW Capital	7,522,000	14
0017	Local Transport Auth Mea	9081	I-5, Oso Parkway to El Toro Road - ROW Capital	16,087,000	15
0017	Local Transport Auth Mea	9082	I-5, Avenida Pico to Avenida Vista Hermosa - ROW Utilities	50,000	16
0017	Local Transport Auth Mea	9082	I-5, SR-73 to Oso Parkway - ROW Utilities	3,624,432	17
0017	Local Transport Auth Mea	9082	I-5, Avenida Vista Hermosa to PCH - ROW Utilities	50,000	18
0017	Local Transport Auth Mea	9082	I-5, PCH to San Juan Creek Road - ROW Utilities	50,000	19
0017	Local Transport Auth Mea	9084	I-5, Avenida Pico to Avenida Vista Hermosa - Construction	70,642	20
0017	Local Transport Auth Mea	9084	I-5, Avenida Vista Hermosa to PCH - Construction	100,000	21
0017	Local Transport Auth Mea	9084	I-5, PCH to San Juan Creek - Construction	4,000,000	22
0017	Local Transport Auth Mea	9084	I-5, PCH to San Juan Creek Road - PE Period (Construction)	300,000	23
0017	Local Transport Auth Mea	9084	I-5, Oso Parkway to Alicia Parkway - Construction Capital	4,200,000	24
0017	Local Transport Auth Mea	9085	I-5, Avenida Pico to Avenida Vista Hermosa - CM Services	810,000	25
0017	Local Transport Auth Mea	9085	I-5, Avenida Pico to Avenida Vista Hermosa - Construction Su	100,000	26
0017	Local Transport Auth Mea	9085	I-5, PCH to San Juan Creek Road - CM Services	500,000	27
0017	Local Transport Auth Mea	9085	I-5, Oso Parkway to Alicia Parkway - Consultant CM Services	1,500,000	28
I-5, SR-55 to SR-57 (Project A)					
0017	Local Transport Auth Mea	9085	I-5, SR-55 to SR-57 - Consultant CM Services	2,000,000	29
Orange Freeway (SR-57) Improvements (Project G)					
0017	Local Transport Auth Mea	9084	SR-57, Katella to Lincoln - Landscape Construction Capital	740,000	30
0017	Local Transport Auth Mea	9084	SR-57, Orangethorpe to Yorba Linda - Landscape Construction	800,000	31



Measure M2 Program

Measure M2 Program

Line Item Controlled Capital

Org- Key	Department / Fund Name	Obj	Line Item Description	Budget	Page No.
Freeways					
Orange Freeway (SR-57) Improvements (Project G)					
0017	Local Transport Auth Mea	9084	SR-57, Yorba Linda to Lambert - Landscape Construction Capit	1,200,000	32
0017	Local Transport Auth Mea	9085	SR-57, Katella to Lincoln - CM Services for Landscape Constru	180,000	33
0017	Local Transport Auth Mea	9085	SR-57, Orangethorpe to Yorba Linda - CM Services for Landsc	120,000	34
0017	Local Transport Auth Mea	9085	SR-57, Yorba Linda to Lambert - Caltrans CM Reimbursement	180,000	35
SR-22 Design Build (Measure M1)					
0001	General Fund	9081	SR-22 Design-Build - ROW Capital	250,000	36
SR-73/I-405 (Connector B) (Measure M1)					
0001	General Fund	9081	SR-73/I-405 (Connector B) - ROW Support Services	75,000	37
SR-91, Riverside Freeway Improvements from I-5 to SR-57 (Project H)					
0017	Local Transport Auth Mea	9084	SR-91, I-5 to SR-57 - Plant Establishment Maintenance	275,000	38
0017	Local Transport Auth Mea	9085	SR-91, I-5 to SR-57 - Landscape CM Services by Caltrans	25,000	39
M2 Transit					
iShuttle					
2148	iShuttle Service	9024	iShuttle Buses	5,500,000	0
Rail Capital Projects (Project R)					
0017	Local Transport Auth Mea	9081	San Juan Creek Bridge Replacement - ROW Acquisition Servic	500,000	40
0017	Local Transport Auth Mea	9082	San Juan Creek Bridge Replacement - ROW Utilities	500,000	41
Streets and Roads					
OC Bridges (Project O)					
0017	Local Transport Auth Mea	9081	Lakeview Avenue GS - ROW Capital	500,000	42
0017	Local Transport Auth Mea	9081	State College Boulevard GS - ROW Capital	1,700,000	43
0017	Local Transport Auth Mea	9081	Raymond Avenue GS - ROW Capital	1,500,000	44
0017	Local Transport Auth Mea	9082	Tustin Ave/Rose Drive GS - ROW Utilities	100,000	45
0017	Local Transport Auth Mea	9082	Lakeview Avenue GS - ROW Utilities	100,000	46
0017	Local Transport Auth Mea	9082	Orangethorpe Avenue GS - ROW Utilities	100,000	47
0017	Local Transport Auth Mea	9083	Lakeview Avenue GS - Relocation Assistance Program	10,000	48
0017	Local Transport Auth Mea	9083	State College Boulevard GS - Relocation Assistance Program	50,000	49
0017	Local Transport Auth Mea	9083	Raymond Avenue GS - Relocation Assistance Program	25,000	50
0017	Local Transport Auth Mea	9084	Lakeview Avenue GS - Construction	500,000	51
0017	Local Transport Auth Mea	9085	Tustin Ave/Rose Drive GS - CPMC Services	10,000	52
0017	Local Transport Auth Mea	9085	Lakeview Avenue GS - CMC Services	50,000	53
0017	Local Transport Auth Mea	9085	Lakeview Avenue GS - CPMC Services	10,000	54
0017	Local Transport Auth Mea	9085	Orangethorpe Avenue GS - CPMC Services	100,000	55



Measure M2 Program

Line Item Controlled Capital

Org- Key	Department / Fund Name	Obj	Line Item Description	Budget	Page No.
Streets and Roads					
OC Bridges (Project O)					
0017	Local Transport Auth Mea	9085	State College Boulevard GS - CPMC Services	65,000	56
0017	Local Transport Auth Mea	9085	Raymond Avenue GS - CPMC Services	65,000	57
Subtotal Capital - Capital Programs				\$ 173,517,842	



Measure M2 Program

Freeways

Costa Mesa Freeway (SR-55) Improvements (Project F)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9081 Right of Way- Land Acquisition

Description: SR-55, I-405 to I-5 - Property Clearance Services
 Quantity/Cost: 1 @ \$200,000 FY19-02372
 Budget Request: \$ 200,000 IFAS#: 0017-9081-FF101-F17

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Scope of work includes demolition services to demolish and clear structures during construction of the SR-55, I-405 to I-5 project. The budget request is for costs associated with these services.

Please explain how you arrived at the budgeted dollars requested.

The budgeted dollars requested is based on industry standards for size and types of structures to be demolished and cleared from the parcel.

What phase of the project does this line item support?

This line item will support the construction phase of work.

What phase of the project is this line item in, as of January 2, 2018?

Construction phase.

Is this line item rebudgeted from a prior fiscal year?

No.



Freeways

I-405, San Diego Freeway from I-605 to SR-55 (Project K)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9081 Right of Way- Land Acquisition

Description: I-405, SR-73 to I-605 - ROW Capital
 Quantity/Cost: 1 @ \$63,600,000 FY19-02243
 Budget Request: \$ 63,600,000 IFAS#: 0017-9081-FK101-ODW

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

The scope of work includes the acquisition of properties and property rights from private and public owners for the I-405, SR-73 to I-605 project. These acquisitions include temporary construction easements, public utility easements, aerial easements, wall easements, footing easements, and drainage easements. The budget request is for costs associated with the acquisition of properties and property rights for the general purpose lanes of the project.

Please explain how you arrived at the budgeted dollars requested.

The budgeted dollars requested is based on the projected expenditures for the proposed fiscal year (allocation by parcel).

What phase of the project does this line item support?

This line item will support the right-of-way phase of work.

What phase of the project is this line item in, as of January 2, 2018?

Right-of-way phase.

Is this line item rebudgeted from a prior fiscal year?

Yes.



Measure M2 Program

Freeways

I-405, San Diego Freeway from I-605 to SR-55 (Project K)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9081 Right of Way- Land Acquisition

Description: I-405, SR-73 to I-605 - Property Clearance Services
 Quantity/Cost: 1 @ \$200,000 FY19-02371
 Budget Request: \$ 200,000 IFAS#: 0017-9081-FK101-F17

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Scope of work includes demolition services to demolish and clear structures during construction of the I-405, SR-73 to I-605 Improvement project. The budget request is for costs associated with these services.

Please explain how you arrived at the budgeted dollars requested.

The budgeted dollars requested is based on industry standards for size and types of structures to be demolished and cleared from the parcel.

What phase of the project does this line item support?

This line item will support the construction phase of work.

What phase of the project is this line item in, as of January 2, 2018?

Construction phase.

Is this line item rebudgeted from a prior fiscal year?

No.



Freeways

I-405, San Diego Freeway from I-605 to SR-55 (Project K)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9082 Right of Way Utilities

Description: I-405, SR-73 to I-605 - ROW Utilities
 Quantity/Cost: 1 @ \$11,280,000 FY19-02252
 Budget Request: \$ 11,280,000 IFAS#: 0017-9082-FK101-0DW

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Relocate multiple utilities for the I-405, SR-73 to I-605 project during the design and construction phases of work. The budget request is for costs associated with these services related to the general purpose lanes of the project. The project will add new lanes, improve interchanges and widen local overcrossings in the region.

Please explain how you arrived at the budgeted dollars requested.

The budgeted dollars requested is based on the projected expenditures for the proposed fiscal year (allocation by utility).

What phase of the project does this line item support?

This line item will support the design, right-of-way (ROW) utility relocation, and construction phases of work.

What phase of the project is this line item in, as of January 2, 2018?

Design, utility relocation, and construction phases.

Is this line item rebudgeted from a prior fiscal year?

Yes.



Measure M2 Program

Freeways

I-405, San Diego Freeway from I-605 to SR-55 (Project K)

Division: 15 Capital Programs

OrgKey: 0017 Local Transport Auth Meas-M II

Object: 9084 Construction

Description: I-405, SR-73 to I-605 - Contract Change Orders

Quantity/Cost: 1 @ \$11,700,000

FY19-02230

Budget Request: \$ 11,700,000

IFAS#: 0017-9084-FK101-OGM

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Existing Agreement with OC 405 Partners for the I-405, SR-73 to I-605 project. The project will add new lanes, improve interchanges, and widen local overcrossings to the Interstate 405 freeway. More specifically, the project will add one general purpose lane and one express lane in each direction. The new express lane and existing high-occupancy lane would be operated as a two-lane express facility in each direction. The budget request is for anticipated contract change orders (CCO) during the design and construction of the general purpose lanes of the I-405 Improvement Project.

Please explain how you arrived at the budgeted dollars requested.

The budgeted dollars requested is based on the total projected expenditures at a rate of 78% of M2 funding to cover costs related to the M2 project.

What phase of the project does this line item support?

This line item will support both the design and construction phases of work.

What phase of the project is this line item in, as of January 2, 2018?

Design and construction phases (design-build contract).

Is this line item rebudgeted from a prior fiscal year?

Yes.



Freeways

I-405, San Diego Freeway from I-605 to SR-55 (Project K)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9084 Construction

Description: I-405, SR-73 to I-605 - City Coop Agreements
 Quantity/Cost: 1 @ \$3,346,200 FY19-02231
 Budget Request: \$ 3,346,200 IFAS#: 0017-9084-FK101-012

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

This work is being provided by various Cooperative Agreements with local agencies along the I-405, SR-73 to I-605 project corridor, including the cities of Costa Mesa, Fountain Valley, Huntington Beach, Seal Beach, and Westminster, the Orange County Flood Control District (OCFCD), the Orange County Sanitation District (OCSD), and the California Highway Patrol (CHP). The work includes traffic engineering services, police services, and project support services, as well as traffic control services and pavement rehabilitation work for various city streets for the project. The budget request is for costs associated with these services related to the general purpose lanes of the project.

Please explain how you arrived at the budgeted dollars requested.

The budgeted amount requested is based on the total projected expenditures at a rate of 78% of M2 funding to cover costs related to the M2 project.

What phase of the project does this line item support?

This line item will support both the design and construction phases of work.

What phase of the project is this line item in, as of January 2, 2018?

Design and construction phases (design-build contract).

Is this line item rebudgeted from a prior fiscal year?

Yes.



Measure M2 Program

Freeways

I-405, San Diego Freeway from I-605 to SR-55 (Project K)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9085 Construction Management

Description: I-405, SR-73 to I-605 - CMC Services
 Quantity/Cost: 1 @ \$4,050,000 FY19-02232
 Budget Request: \$ 4,050,000 IFAS#: 0017-9085-FK101-ODY

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Existing Agreement with Jacobs Project Management Co. for the I-405, SR-73 to I-605 project. Construction Management Consultant (CMC) shall assist OCTA by providing staff assistance and technical expertise to manage the construction phase of the project and to administer the contract. Consultant management services include, but are not limited to, administration of the construction contract, coordination of the activities of the contractor with the services of the project design engineer, performance of quality assurance inspections, and management of independent quality assurance testing, preparation of daily construction activity reports, performance of control point and benchmark surveying, communications between contractor and all other project participants, processing, collecting and maintaining of project communications and records, reviewing and recommending of contractor progress payments, processing of change order requests, implementing and processing change orders, processing claims. The budget request is for costs associated with these services related to the general purpose lanes of the I-405 Improvement Project.

Please explain how you arrived at the budgeted dollars requested.

The budgeted amount requested is based on the total projected expenditures at a rate of 75% of the M2 funding to cover costs related to the M2 Project K scope for the general purpose lanes for the project.

What phase of the project does this line item support?

This line item will support both design and construction phases of work.

What phase of the project is this line item in, as of January 2, 2018?

Design and construction phases (design-build contract).

Is this line item rebudgeted from a prior fiscal year?

Yes.



Freeways

I-405, San Diego Freeway from I-605 to SR-55 (Project K)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9085 Construction Management

Description: I-405, SR-73 to I-605 - Caltrans Coop Agreement
 Quantity/Cost: 1 @ \$2,250,000 FY19-02235
 Budget Request: \$ 2,250,000 IFAS#: 0017-9085-FK101-0KM

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Existing Cooperative Agreement with Caltrans for the I-405, SR-73 to I-605 project. The work includes construction inspection services, and enhanced oversight for the project, including right-of-way (ROW) support services, and ROW certification. The budget request is for costs associated with these services.

Please explain how you arrived at the budgeted dollars requested.

The budgeted dollars requested is based on the projected expenditures at a rate of 75% of the M2 funding to cover costs related to the M2 Project K scope.

What phase of the project does this line item support?

This line item will support the design and construction phases of work.

What phase of the project is this line item in, as of January 2, 2018?

Design and construction phases (design-build contract).

Is this line item rebudgeted from a prior fiscal year?

Yes.



Measure M2 Program

Freeways

I-5, Santa Ana Freeway (Project C)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9081 Right of Way- Land Acquisition

Description: I-5, Avenida Pico to Avenida Vista Hermosa - ROW Capital
 Quantity/Cost: 1 @ \$1,000,000 FY19-02311
 Budget Request: \$ 1,000,000 IFAS#: 0017-9081-FC101-N5R

Grant Funded: CMAQ \$883,200
 Account: 0017-6045-FC101-XDB

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

The scope of work includes the acquisition of properties and property rights from private and public owners for the I-5, Avenida Pico to Avenida Vista Hermosa project. These acquisitions include temporary construction easements, public utility easements, aerial easements, wall easements, footing easements, and drainage easements. The budget request is for costs associated with the acquisition of properties and property rights for the project.

Please explain how you arrived at the budgeted dollars requested.

The budgeted amount requested is based on the projected expenditures for the proposed fiscal year.

What phase of the project does this line item support?

This line item will support the right-of-way (ROW) phase of work.

What phase of the project is this line item in, as of January 2, 2018?

ROW phase.

Is this line item rebudgeted from a prior fiscal year?

Yes.



Freeways

I-5, Santa Ana Freeway (Project C)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9081 Right of Way- Land Acquisition

Description: I-5, SR-73 to Oso Parkway - Demolition Services
 Quantity/Cost: 1 @ \$500,000 FY19-02325
 Budget Request: \$ 500,000 IFAS#: 0017-9081-FC102-06W

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Scope of work includes demolition services to clear structures during construction of the I-5, SR-73 to Oso Parkway project as needed. The budget request is for costs associated with these services.

Please explain how you arrived at the budgeted dollars requested.

The budgeted dollars requested is based on the projected expenditures for the fiscal year.

What phase of the project does this line item support?

This line item will support the construction phase of work.

What phase of the project is this line item in, as of January 2, 2018?

Construction phase.

Is this line item rebudgeted from a prior fiscal year?

No.



Measure M2 Program

Freeways

I-5, Santa Ana Freeway (Project C)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9081 Right of Way- Land Acquisition

Description: I-5, SR-73 to Oso Parkway - ROW Capital
 Quantity/Cost: 1 @ \$19,197,568 FY19-02314
 Budget Request: \$ 19,197,568 IFAS#: 0017-9081-FC102-06W

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Existing Cooperative Agreement with Caltrans. The scope of work includes the acquisition of properties and property rights from private and public owners for the I-5, SR-73 to Oso parkway project. These acquisitions include temporary construction easements, public utility easements, aerial easements, wall easements, footing easements, and drainage easements. The budget request is for costs associated with the acquisition of properties and property rights for the project.

Please explain how you arrived at the budgeted dollars requested.

The budgeted dollars requested is based on the projected expenditures for the proposed fiscal year, and the Cooperative Agreement with Caltrans.

What phase of the project does this line item support?

This line item will support the Right-of-Way phase of work.

What phase of the project is this line item in, as of January 2, 2018?

Right-of-Way phase.

Is this line item rebudgeted from a prior fiscal year?

Yes.



Freeways

I-5, Santa Ana Freeway (Project C)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9081 Right of Way- Land Acquisition

Description: I-5, Oso Parkway to Alicia Parkway - ROW Capital
 Quantity/Cost: 1 @ \$7,522,000 FY19-02297
 Budget Request: \$ 7,522,000 IFAS#: 0017-9081-FC105-06W

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Existing Cooperative Agreement with Caltrans. The scope of work includes the acquisition of properties and property rights from private and public owners for the I-5, Oso parkway to Alicia parkway project. These acquisitions include temporary construction easements, public utility easements, aerial easements, wall easements, footing easements, and drainage easements. The budget request is for costs associated with the acquisition of properties and property rights for the project.

Please explain how you arrived at the budgeted dollars requested.

Amount is based on cooperative agreement with Caltrans.

What phase of the project does this line item support?

Right-of-way acquisition phase.

What phase of the project is this line item in, as of January 2, 2018?

Final design.

Is this line item rebudgeted from a prior fiscal year?

50% of this amount was budgeted last year.



Measure M2 Program

Freeways

I-5, Santa Ana Freeway (Project C)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9081 Right of Way- Land Acquisition

Description: I-5, Oso Parkway to El Toro Road - ROW Capital
 Quantity/Cost: 1 @ \$16,087,000 FY19-02331
 Budget Request: \$ 16,087,000 IFAS#: 0017-9081-FC106-N5R

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Existing Cooperative Agreement with Caltrans. The scope of work includes the acquisition of properties and property rights from private and public owners for the I-5, Oso parkway to El Toro road project. These acquisitions include temporary construction easements, public utility easements, aerial easements, wall easements, footing easements, and drainage easements. The budget request is for costs associated with the acquisition of properties and property rights for the project.

Please explain how you arrived at the budgeted dollars requested.

Amount is based on existing Cooperative Agreement with Caltrans.

What phase of the project does this line item support?

Right-of-Way acquisition phase.

What phase of the project is this line item in, as of January 2, 2018?

Final Design

Is this line item rebudgeted from a prior fiscal year?

50% of this amount was budgeted last year.



Freeways

I-5, Santa Ana Freeway (Project C)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9082 Right of Way Utilities

Description: I-5, Avenida Pico to Avenida Vista Hermosa - ROW Utilities
 Quantity/Cost: 1 @ \$50,000 FY19-02316
 Budget Request: \$ 50,000 IFAS#: 0017-9082-FC101-N5R

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Relocate multiple utilities for the I-5, Avenida Pico to Avenida Vista Hermosa project during the construction phase of the work. The budget request is for costs associated with these services.

Please explain how you arrived at the budgeted dollars requested.

The budgeted amount requested is based on the projected expenditures for the proposed fiscal year.

What phase of the project does this line item support?

This line item will support both the right-of-way (ROW) and construction phases of work.

What phase of the project is this line item in, as of January 2, 2018?

Construction phase

Is this line item rebudgeted from a prior fiscal year?

Yes.



Measure M2 Program

Freeways

I-5, Santa Ana Freeway (Project C)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9082 Right of Way Utilities

Description: I-5, SR-73 to Oso Parkway - ROW Utilities
 Quantity/Cost: 1 @ \$3,624,432 FY19-02321
 Budget Request: \$ 3,624,432 IFAS#: 0017-9082-FC102-06W

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Existing Cooperative Agreement with Caltrans to relocate multiple utilities for the I-5, SR-73 to Oso Parkway project during the construction phase of work. The project will widen I-5 in each direction between SR-73 and Oso Creek to increase freeway capacity and reduce congestion in the region. The budget request is for costs associated with these services.

Please explain how you arrived at the budgeted dollars requested.

The budgeted dollars requested is based on the projected expenditures for the proposed fiscal year remaining to reimburse Caltrans under Cooperative Agreement.

What phase of the project does this line item support?

This line item will support both the right-of-way (ROW) and construction phases of work.

What phase of the project is this line item in, as of January 2, 2018?

Construction phase

Is this line item rebudgeted from a prior fiscal year?

Yes.



Freeways

I-5, Santa Ana Freeway (Project C)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9082 Right of Way Utilities

Description: I-5, Avenida Vista Hermosa to PCH - ROW Utilities
 Quantity/Cost: 1 @ \$50,000 FY19-02318
 Budget Request: \$ 50,000 IFAS#: 0017-9082-FC103-N5R

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Relocate multiple utilities for the I-5, Avenida Vista Hermosa to Pacific Coast Highway (PCH) project during the construction phase of work. The budget request is for costs associated with these services.

Please explain how you arrived at the budgeted dollars requested.

The budgeted dollars requested is based on the projected expenditures for the proposed fiscal year.

What phase of the project does this line item support?

This line item will support both the right-of-way (ROW) and construction phases of work.

What phase of the project is this line item in, as of January 2, 2018?

Construction phase

Is this line item rebudgeted from a prior fiscal year?

Yes.



Measure M2 Program

Freeways

I-5, Santa Ana Freeway (Project C)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9082 Right of Way Utilities

Description: I-5, PCH to San Juan Creek Road - ROW Utilities
 Quantity/Cost: 1 @ \$50,000 FY19-02319
 Budget Request: \$ 50,000 IFAS#: 0017-9082-FC104-N5R

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Relocate multiple utilities for the I-5, Pacific Coast Highway (PCH) to San Juan Creek Road project during the construction phase of work. The budget request is for costs associated with these services.

Please explain how you arrived at the budgeted dollars requested.

The budgeted dollars requested is based on the projected expenditures for the proposed fiscal year.

What phase of the project does this line item support?

This line item will support both the right-of-way (ROW) and construction phases of work.

What phase of the project is this line item in, as of January 2, 2018?

Construction phase

Is this line item rebudgeted from a prior fiscal year?

Yes.



Freeways

I-5, Santa Ana Freeway (Project C)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9084 Construction

Description: I-5, Avenida Pico to Avenida Vista Hermosa - Construction
 Quantity/Cost: 1 @ \$70,642 FY19-02298
 Budget Request: \$ 70,642 IFAS#: 0017-9084-FC101-073

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Existing Cooperative Agreement with Caltrans for the I-5, Avenida Pico to Avenida Vista Hermosa project. Work includes construction and construction support funding for the project. The budget request is for costs associated with the construction capital costs for the project.

Please explain how you arrived at the budgeted dollars requested.

The budgeted dollars requested is based on the projected expenditures remaining to reimburse Caltrans under the existing Cooperative Agreement.

What phase of the project does this line item support?

This line item will support the construction phase of work.

What phase of the project is this line item in, as of January 2, 2018?

Construction phase.

Is this line item rebudgeted from a prior fiscal year?

Yes.



Measure M2 Program

Freeways

I-5, Santa Ana Freeway (Project C)

Division: 15 Capital Programs
OrgKey: 0017 Local Transport Auth Meas-M II
Object: 9084 Construction

Description: I-5, Avenida Vista Hermosa to PCH - Construction
Quantity/Cost: 1 @ \$100,000 FY19-02300
Budget Request: \$ 100,000 IFAS#: 0017-9084-FC103-073

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Existing Cooperative Agreement with Caltrans for the I-5, Avenida Vista Hermosa to Pacific Coast Highway (PCH) project. Work includes construction and construction support funding for the project. The budget request is for costs associated with the construction capital costs for the project.

Please explain how you arrived at the budgeted dollars requested.

The budgeted dollars requested is based on the projected expenditures remaining to reimburse Caltrans under the cooperative agreement.

What phase of the project does this line item support?

This line item will support the construction phase of work.

What phase of the project is this line item in, as of January 2, 2018?

Construction phase.

Is this line item rebudgeted from a prior fiscal year?

Yes.



Freeways

I-5, Santa Ana Freeway (Project C)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9084 Construction

Description: I-5, PCH to San Juan Creek - Construction
 Quantity/Cost: 1 @ \$4,000,000 FY19-02304
 Budget Request: \$ 4,000,000 IFAS#: 0017-9084-FC104-073

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Existing Cooperative Agreement with Caltrans for the I-5, Pacific Coast Highway (PCH) to San Juan Creek project. Work includes construction and construction support funding for the project. The project will add new HOV lanes for both directions of I-5 in the region. The budget request is for costs associated with the construction capital costs for the project.

Please explain how you arrived at the budgeted dollars requested.

The budgeted amount requested is based on the projected expenditures remaining to reimburse Caltrans under the Cooperative Agreement.

What phase of the project does this line item support?

This line item will support the construction phase of work.

What phase of the project is this line item in, as of January 2, 2018?

Construction phase.

Is this line item rebudgeted from a prior fiscal year?

Yes.



Measure M2 Program

Freeways

I-5, Santa Ana Freeway (Project C)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9084 Construction

Description: I-5, PCH to San Juan Creek Road - PE Period (Construction)
 Quantity/Cost: 1 @ \$300,000 FY19-02306
 Budget Request: \$ 300,000 IFAS#: 0017-9084-FC104-0JV

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Existing Cooperative Agreement with Caltrans for the I-5, Pacific Coast Highway (PCH) to San Juan Creek Road project. Work includes construction and construction support funding for the project. The budget request is for costs associated with the construction capital costs for the project.

Please explain how you arrived at the budgeted dollars requested.

The budgeted dollars requested is based on the projected expenditures remaining to reimburse Caltrans under the existing cooperative agreement.

What phase of the project does this line item support?

This line item will support the construction phase of work.

What phase of the project is this line item in, as of January 2, 2018?

Construction phase.

Is this line item rebudgeted from a prior fiscal year?

Yes.



Freeways

I-5, Santa Ana Freeway (Project C)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9084 Construction

Description: I-5, Oso Parkway to Alicia Parkway - Construction Capital
 Quantity/Cost: 1 @ \$4,200,000 FY19-02582
 Budget Request: \$ 4,200,000 IFAS#: 0017-9084-FC105-06W

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

This item is for the initial deposit payable to Caltrans under the Cooperative Agreement in support of the I-5, from Oso Parkway to Alicia Parkway project. The project will widen I-5 in each direction to increase freeway capacity and reduce congestion in the region. One general purpose lane will be added in each direction.

Please explain how you arrived at the budgeted dollars requested.

Based on existing Caltrans Cooperative Agreement C-8-1426.

What phase of the project does this line item support?

Construction.

What phase of the project is this line item in, as of January 2, 2018?

Final Design phase.

Is this line item rebudgeted from a prior fiscal year?

No.



Measure M2 Program

Freeways

I-5, Santa Ana Freeway (Project C)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9085 Construction Management

Description: I-5, Avenida Pico to Avenida Vista Hermosa - CM Services
 Quantity/Cost: 1 @ \$810,000 FY19-02288
 Budget Request: \$ 810,000 IFAS#: 0017-9085-FC101-071

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Existing Agreement with Jacobs Project Management Co. for the I-5, Avenida Pico to Vista Hermosa project. Consultant to assist the Authority by providing staff assistance and technical expertise to help manage the construction phase of the I-5, Avenida Pico to Avenida Vista Hermosa project. Construction Management (CM) consultant shall function as an extension of Authority staff and supplement Authority staff by providing specialized expertise as required to effectively manage the construction program. Under the scope of work, Consultant shall assist Authority staff in the oversight, management, and completion of all work associated with the construction of the project. The budget request is for costs associated with these services.

Please explain how you arrived at the budgeted dollars requested.

The budgeted amount requested is based on the projected expenditures for the proposed fiscal year.

What phase of the project does this line item support?

This line item will support the construction phase of work.

What phase of the project is this line item in, as of January 2, 2018?

Construction phase (project closeout).

Is this line item rebudgeted from a prior fiscal year?

Yes.



Freeways

I-5, Santa Ana Freeway (Project C)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9085 Construction Management

Description: I-5, Avenida Pico to Avenida Vista Hermosa - Construction Support
 Quantity/Cost: 1 @ \$100,000 FY19-02323
 Budget Request: \$ 100,000 IFAS#: 0017-9085-FC101-0JV

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Existing Cooperative Agreement with Caltrans for the I-5, Avenida Pico to Avenida Vista Hermosa project. Caltrans is responsible for administering the construction contract, including administration and inspections for the project. The budget request is for costs associated with these services.

Please explain how you arrived at the budgeted dollars requested.

The budgeted dollars requested is based on the projected expenditures for the proposed fiscal year to reimburse Caltrans under the cooperative agreement.

What phase of the project does this line item support?

This line item will support the construction phase of work.

What phase of the project is this line item in, as of January 2, 2018?

Construction phase.

Is this line item rebudgeted from a prior fiscal year?

Yes.



Measure M2 Program

Freeways

I-5, Santa Ana Freeway (Project C)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9085 Construction Management

Description: I-5, PCH to San Juan Creek Road - CM Services
 Quantity/Cost: 1 @ \$500,000 FY19-02290
 Budget Request: \$ 500,000 IFAS#: 0017-9085-FC104-071

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Existing Agreement with Hill International, Inc. for the I-5, Pacific Coast Highway (PCH) to San Juan Creek Road project. Consultant to assist the Authority by providing staff assistance and technical expertise to help manage the construction phase of the project. Construction Management (CM) consultant shall function as an extension of Authority staff and supplement Authority staff by providing specialized expertise as required to effectively manage the construction program. Under the scope of work, consultant shall assist Authority staff in the oversight, management, and completion of all work associated with the construction of the project. The budget request is for costs associated with these services.

Please explain how you arrived at the budgeted dollars requested.

The budgeted dollars requested is based on the projected expenditures for the proposed fiscal year.

What phase of the project does this line item support?

This line item will support the construction phase of work.

What phase of the project is this line item in, as of January 2, 2018?

Construction phase (project closeout).

Is this line item rebudgeted from a prior fiscal year?

Yes.



Freeways

I-5, Santa Ana Freeway (Project C)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9085 Construction Management

Description: I-5, Oso Parkway to Alicia Parkway - Consultant CM Services
 Quantity/Cost: 1 @ \$1,500,000 FY19-02305
 Budget Request: \$ 1,500,000 IFAS#: 0017-9085-FC105-06W

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Budget is for costs associated with consultant construction management (CM) services for the I-5, Oso Parkway to Alicia Parkway project. The project will widen I-5 in each direction to increase freeway capacity and reduce congestion in the region. Tasks include roadway and structures inspection, claims and scheduling support and office engineering.

Please explain how you arrived at the budgeted dollars requested.

Based on the proposed Cooperative Agreement. Budgeted amount is based on spend rate for FY 2018-19.

What phase of the project does this line item support?

Construction.

What phase of the project is this line item in, as of January 2, 2018?

Final Design.

Is this line item rebudgeted from a prior fiscal year?

No.



Measure M2 Program

Freeways

I-5, SR-55 to SR-57 (Project A)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9085 Construction Management

Description: I-5, SR-55 to SR-57 - Consultant CM Services
 Quantity/Cost: 1 @ \$2,000,000 FY19-02340
 Budget Request: \$ 2,000,000 IFAS#: 0017-9085-FA101-06R

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Budget is for costs associated with consultant construction management (CM) services for the I-5, SR-55 and SR-57 project. The project will add a second High Occupancy Vehicle (HOV) lane adjacent to the existing HOV lane. Tasks include roadway and structures inspection, claims and scheduling support, and office engineering.

Please explain how you arrived at the budgeted dollars requested.

Based on proposed consultant contract. Budgeted amount is based on spend rate for FY 2018-19.

What phase of the project does this line item support?

Construction

What phase of the project is this line item in, as of January 2, 2018?

Pre-advertisement of construction contract.

Is this line item rebudgeted from a prior fiscal year?

No.



Freeways

Orange Freeway (SR-57) Improvements (Project G)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9084 Construction

Description: SR-57, Katella to Lincoln - Landscape Construction Capital
 Quantity/Cost: 1 @ \$740,000 FY19-01713
 Budget Request: \$ 740,000 IFAS#: 0017-9084-FG101-ODN

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Landscape capital construction costs payable to Caltrans incurred by the landscape contractor for the SR-57, Katella to Lincoln project. The project will provide landscaping construction for the additional northbound lane on the SR-57 in the region.

Please explain how you arrived at the budgeted dollars requested.

Estimated based upon planned expenditure rate under the Cooperative Agreement with Caltrans.

What phase of the project does this line item support?

Construction

What phase of the project is this line item in, as of January 2, 2018?

Construction

Is this line item rebudgeted from a prior fiscal year?

No



Measure M2 Program

Freeways

Orange Freeway (SR-57) Improvements (Project G)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9084 Construction

Description: SR-57, Orangethorpe to Yorba Linda - Landscape Construction Capital
 Quantity/Cost: 1 @ \$800,000 FY19-01719
 Budget Request: \$ 800,000 IFAS#: 0017-9084-FG102-T3V

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Budgeted costs as reimbursement to Caltrans for landscape capital construction costs incurred by contractor for the SR-57, Orangethorpe to Yorba Linda project. The project will provide landscaping construction for the additional northbound lane on the SR-57 in the region.

Please explain how you arrived at the budgeted dollars requested.

Estimated planned costs payable based on the Cooperative Agreement with Caltrans.

What phase of the project does this line item support?

Construction

What phase of the project is this line item in, as of January 2, 2018?

PS&E Phase

Is this line item rebudgeted from a prior fiscal year?

No



Freeways

Orange Freeway (SR-57) Improvements (Project G)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9084 Construction

Description: SR-57, Yorba Linda to Lambert - Landscape Construction Capital
 Quantity/Cost: 1 @ \$1,200,000 FY19-01721
 Budget Request: \$ 1,200,000 IFAS#: 0017-9084-FG103-T3V

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Landscape capital construction costs payable to Caltrans as incurred from the construction contractor for the SR-57, Yorba Linda to Lambert project. The project will provide landscaping construction for the additional northbound lane on the SR-57 in the region.

Please explain how you arrived at the budgeted dollars requested.

Based on the planned expenditure rate from the Cooperative Agreement with Caltrans.

What phase of the project does this line item support?

Construction

What phase of the project is this line item in, as of January 2, 2018?

PS&E phase.

Is this line item rebudgeted from a prior fiscal year?

No



Measure M2 Program

Freeways

Orange Freeway (SR-57) Improvements (Project G)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9085 Construction Management

Description: SR-57, Katella to Lincoln - CM Services for Landscape Construction
 Quantity/Cost: 1 @ \$180,000 FY19-01729
 Budget Request: \$ 180,000 IFAS#: 0017-9085-FG101-ODN

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Budgeted funds to reimburse Caltrans for construction management (CM) services provided for the SR-57 landscape project between Katella Avenue and Lincoln Avenue. The project will provide landscaping construction management for the additional northbound lane on the SR-57 in the region.

Please explain how you arrived at the budgeted dollars requested.

Estimated based upon the planned expenditure rate under the Cooperative Agreement with Caltrans.

What phase of the project does this line item support?

Construction

What phase of the project is this line item in, as of January 2, 2018?

Construction

Is this line item rebudgeted from a prior fiscal year?

No



Freeways

Orange Freeway (SR-57) Improvements (Project G)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9085 Construction Management

Description: SR-57, Orangethorpe to Yorba Linda - CM Services for Landscape Construction
 Quantity/Cost: 1 @ \$120,000 FY19-01753
 Budget Request: \$ 120,000 IFAS#: 0017-9085-FG102-HGU

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Budgeted funds to reimburse Caltrans for providing construction management (CM) services for the SR-57 landscape construction project between Orangethorpe Ave. and Yorba Linda Blvd. The project will provide landscaping construction management for the additional northbound lane on the SR-57 in the region.

Please explain how you arrived at the budgeted dollars requested.

Estimated based upon the planned expenditures.

What phase of the project does this line item support?

Construction

What phase of the project is this line item in, as of January 2, 2018?

PS&E

Is this line item rebudgeted from a prior fiscal year?

No



Measure M2 Program

Freeways

Orange Freeway (SR-57) Improvements (Project G)

Division: 15 Capital Programs
OrgKey: 0017 Local Transport Auth Meas-M II
Object: 9085 Construction Management

Description: SR-57, Yorba Linda to Lambert - Caltrans CM Reimbursement
Quantity/Cost: 1 @ \$180,000 FY19-01754
Budget Request: \$ 180,000 IFAS#: 0017-9085-FG103-HGU

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Reimbursement to Caltrans for providing construction management (CM) services for a SR-57 landscape construction project between Yorba Linda Blvd. and Lambert Road. The project will provide landscaping construction management for the additional northbound lane on the SR-57 in the region.

Please explain how you arrived at the budgeted dollars requested.

Estimated based upon planned expenditure.

What phase of the project does this line item support?

Construction

What phase of the project is this line item in, as of January 2, 2018?

Engineering (PS&E)

Is this line item rebudgeted from a prior fiscal year?

No



Freeways

SR-22 Design Build (Measure M1)

Division: 15 Capital Programs
 OrgKey: 0001 General Fund
 Object: 9081 Right of Way- Land Acquisition

Description: SR-22 Design-Build - ROW Capital
 Quantity/Cost: 1 @ \$250,000 FY19-02339
 Budget Request: \$ 250,000 IFAS#: 0001-9081-F7100-F01

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Work includes replacement rights with Southern California Edison related to a property for the SR-22 design-build project. The budget request is for costs associated with the replacement rights.

Please explain how you arrived at the budgeted dollars requested.

The budgeted dollars requested is based on estimated cost for replacement rights for the fiscal year.

What phase of the project does this line item support?

This line item will support the project closeout phase of work.

What phase of the project is this line item in, as of January 2, 2018?

Project closeout phase.

Is this line item rebudgeted from a prior fiscal year?

Yes.



Measure M2 Program

Freeways

SR-73/I-405 (Connector B) (Measure M1)

Division: 15 Capital Programs
 OrgKey: 0001 General Fund
 Object: 9081 Right of Way- Land Acquisition

Description: SR-73/I-405 (Connector B) - ROW Support Services
 Quantity/Cost: 1 @ \$75,000 FY19-02341
 Budget Request: \$ 75,000 IFAS#: 0001-9081-A9111-F01

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

To reimburse the County of Orange for properties and property rights that were not acquired during the construction of the SR-73/I-405 (Connector B) project. The budget request is for costs associated with these services.

Please explain how you arrived at the budgeted dollars requested.

The budgeted dollars requested is based on the projected expenditures for the fiscal year.

What phase of the project does this line item support?

This line item will support the project closeout phase of work.

What phase of the project is this line item in, as of January 2, 2018?

Project closeout phase.

Is this line item rebudgeted from a prior fiscal year?

Yes.



Freeways

SR-91, Riverside Freeway Improvements from I-5 to SR-57 (Project H)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9084 Construction

Description: SR-91, I-5 to SR-57 - Plant Establishment Maintenance
 Quantity/Cost: 1 @ \$275,000 FY19-01723
 Budget Request: \$ 275,000 IFAS#: 0017-9084-FH101-0ED

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Plant establishment maintenance cost incurred by the landscape contractor on behalf of Caltrans for the SR-91, I-5 to SR-57 project. The project will provide landscaping construction for the additional westbound lane on the SR-91 in the region.

Please explain how you arrived at the budgeted dollars requested.

Estimated based upon the planned expenditure rate.

What phase of the project does this line item support?

Construction

What phase of the project is this line item in, as of January 2, 2018?

Construction

Is this line item rebudgeted from a prior fiscal year?

No



Measure M2 Program

Freeways

SR-91, Riverside Freeway Improvements from I-5 to SR-57 (Project H)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9085 Construction Management

Description: SR-91, I-5 to SR-57 - Landscape CM Services by Caltrans
 Quantity/Cost: 1 @ \$25,000 FY19-01758
 Budget Request: \$ 25,000 IFAS#: 0017-9085-FH101-OEE

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Reimbursement to Caltrans for construction management (CM) services during the plant establishment phase of the existing SR-91, I-5 to SR-57 landscape construction project.

Please explain how you arrived at the budgeted dollars requested.

Estimated based upon the planned expenditures.

What phase of the project does this line item support?

Construction

What phase of the project is this line item in, as of January 2, 2018?

Construction

Is this line item rebudgeted from a prior fiscal year?

No



M2 Transit

iShuttle

Division: 11 Operations
 OrgKey: 2148 iShuttle Service
 Object: 9024 Cap Exp-Revenue Vehicles

Description: Ishuttle Buses
 Quantity/Cost: 11 @ \$500,000 FY19-02873
 Budget Request: \$ 5,500,000 IFAS#: 2148-9024-D2140-F30

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Request from the City of Irvine to purchase 11 buses for IShuttle service. These buses will be purchased with dollars owed to the City of Irvine from the Orange County Transportation Authority.

Please explain how you arrived at the budgeted dollars requested.

11 buses at an estimated \$500,000 each.

What phase of the project does this line item support?

N/A

What phase of the project is this line item in, as of January 2, 2018?

N/A

Is this line item rebudgeted from a prior fiscal year?

No.



Measure M2 Program

M2 Transit

Rail Capital Projects (Project R)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9081 Right of Way- Land Acquisition

Description: San Juan Creek Bridge Replacement - ROW Acquisition Services
 Quantity/Cost: 1 @ \$500,000 FY19-01871
 Budget Request: \$ 500,000 IFAS#: 0017-9081-TR022-ODM

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

The scope of work includes right-of-way (ROW) acquisition services from private and public property owners for the San Juan Creek Bridge replacement project. Property rights include Temporary Construction Easements (TCE), permanent easements, and in-fee rights.

Please explain how you arrived at the budgeted dollars requested.

The budgeted amount is based on real estate department estimates.

What phase of the project does this line item support?

Right-of-way and Construction Phases.

What phase of the project is this line item in, as of January 2, 2018?

Design and Right-of-Way.

Is this line item rebudgeted from a prior fiscal year?

Yes



M2 Transit

Rail Capital Projects (Project R)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9082 Right of Way Utilities

Description: San Juan Creek Bridge Replacement - ROW Utilities
 Quantity/Cost: 1 @ \$500,000 FY19-01877
 Budget Request: \$ 500,000 IFAS#: 0017-9082-TR022-ODM

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Relocate multiple utilities for the San Juan Creek Bridge replacement project during the construction phase of the work. The project will replace the bridge to increase safety and reduce maintenance. The new bridge will be constructed adjacent to the existing bridge, which will be demolished. A new substructure will be constructed to accommodate future bridge widening needs without impacting the creek and access trails and roads.

Please explain how you arrived at the budgeted dollars requested.

Estimate is based on potential unknown utilities that may require relocation during construction.

What phase of the project does this line item support?

Right-of-Way (ROW) and construction.

What phase of the project is this line item in, as of January 2, 2018?

Design and ROW.

Is this line item rebudgeted from a prior fiscal year?

Yes



Measure M2 Program

Streets and Roads

OC Bridges (Project O)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9081 Right of Way- Land Acquisition

Description: Lakeview Avenue GS - ROW Capital
 Quantity/Cost: 1 @ \$500,000 FY19-02210
 Budget Request: \$ 500,000 IFAS#: 0017-9081-SO205-PK4

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

The scope of work includes the acquisition of properties and property rights from private and public owners for the Lakeview Avenue grade separation (GS) project. These acquisitions include temporary construction easements, public utility easements, aerial easements, wall easements, footing easements, and drainage easements. The project will include construction of a vehicular overpass on the BNSF mainline tracks.

Please explain how you arrived at the budgeted dollars requested.

The budgeted dollars requested is based on the projected expenditures for the proposed fiscal year.

What phase of the project does this line item support?

This line item will support both the Right-of-Way (ROW) and Construction phases of work.

What phase of the project is this line item in, as of January 2, 2018?

Construction phase.

Is this line item rebudgeted from a prior fiscal year?

Yes.



Streets and Roads

OC Bridges (Project O)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9081 Right of Way- Land Acquisition

Description: State College Boulevard GS - ROW Capital
 Quantity/Cost: 1 @ \$1,700,000 FY19-02211
 Budget Request: \$ 1,700,000 IFAS#: 0017-9081-SO207-PK4

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

The scope of work includes the acquisition of properties and property rights from private and public owners for the grade separation (GS) project. These acquisitions include temporary construction easements, public utility easements, aerial easements, wall easements, footing easements, and drainage easements. The budget request is for costs associated with the acquisition of properties and property rights for the project. The project aims to construct a vehicular undercrossing at State College Boulevard and BNSF railroad crossing.

Please explain how you arrived at the budgeted dollars requested.

The budgeted dollars requested is based on the projected expenditures for the proposed fiscal year.

What phase of the project does this line item support?

This line item will support both the Right-of-Way (ROW) and construction phases of work.

What phase of the project is this line item in, as of January 2, 2018?

Construction phase.

Is this line item rebudgeted from a prior fiscal year?

Yes.



Measure M2 Program

Streets and Roads

OC Bridges (Project O)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9081 Right of Way- Land Acquisition

Description: Raymond Avenue GS - ROW Capital
 Quantity/Cost: 1 @ \$1,500,000 FY19-02213
 Budget Request: \$ 1,500,000 IFAS#: 0017-9081-SO208-PK4

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

The scope of work includes the acquisition of properties and property rights from private and public owners for the grade separation (GS) project. These acquisitions include temporary construction easements, public utility easements, aerial easements, wall easements, footing easements, and drainage easements. The budget request is for costs associated with the acquisition of properties and property rights for the project. The project includes construction of a vehicular underpass at BNSF tracks that cross at Raymond Avenue.

Please explain how you arrived at the budgeted dollars requested.

The budgeted amount requested is based on the projected expenditures for the proposed fiscal year.

What phase of the project does this line item support?

This line item will support both the Right-of-Way (ROW) and construction phases of work.

What phase of the project is this line item in, as of January 2, 2018?

Construction phase.

Is this line item rebudgeted from a prior fiscal year?

Yes.



Streets and Roads

OC Bridges (Project O)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9082 Right of Way Utilities

Description: Tustin Ave/Rose Drive GS - ROW Utilities
 Quantity/Cost: 1 @ \$100,000 FY19-02221
 Budget Request: \$ 100,000 IFAS#: 0017-9082-SO204-PK4

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Relocate multiple utilities for the Tustin Avenue/Rose Drive grade separation (GS) project during the construction phase of the work. The budget request is for costs associated with these services. The project will include construction of a roadway over the BNSF railroad tracks.

Please explain how you arrived at the budgeted dollars requested.

The budgeted dollars requested is based on the projected expenditures for the proposed fiscal year.

What phase of the project does this line item support?

This line item will support both the Right-of-Way (ROW) and Construction phases of work.

What phase of the project is this line item in, as of January 2, 2018?

Construction phase.

Is this line item rebudgeted from a prior fiscal year?

Yes.



Measure M2 Program

Streets and Roads

OC Bridges (Project O)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9082 Right of Way Utilities

Description: Lakeview Avenue GS - ROW Utilities
 Quantity/Cost: 1 @ \$100,000 FY19-02222
 Budget Request: \$ 100,000 IFAS#: 0017-9082-SO205-PK4

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Relocate multiple utilities for the Lakeview Avenue grade separation (GS) project during the construction phase of the work. The budget request is for costs associated with these services. The project will include construction of a vehicular overpass on the BNSF mainline tracks.

Please explain how you arrived at the budgeted dollars requested.

The budgeted dollars requested is based on the projected expenditures for the proposed fiscal year.

What phase of the project does this line item support?

This line item will support both the Right-of-Way (ROW) and Construction phases of work.

What phase of the project is this line item in, as of January 2, 2018?

Construction phase.

Is this line item rebudgeted from a prior fiscal year?

Yes.



Streets and Roads

OC Bridges (Project O)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9082 Right of Way Utilities

Description: Orangethorpe Avenue GS - ROW Utilities
 Quantity/Cost: 1 @ \$100,000 FY19-02220
 Budget Request: \$ 100,000 IFAS#: 0017-9082-SO206-PK4

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Relocate multiple utilities for the Orangethorpe Avenue grade separation (GS) project during the construction phase of the work. The budget request is for costs associated with these services. The project will include construction of a roadway overpass with the BNSF mainline tracks to remain at grade.

Please explain how you arrived at the budgeted dollars requested.

The budgeted amount requested is based on the projected expenditures for the proposed fiscal year.

What phase of the project does this line item support?

This line item will support both the Right-of-Way (ROW) and Construction phases of work.

What phase of the project is this line item in, as of January 2, 2018?

Construction phase.

Is this line item rebudgeted from a prior fiscal year?

Yes.



Measure M2 Program

Streets and Roads

OC Bridges (Project O)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9083 Right of Way - Miscellaneous

Description: Lakeview Avenue GS - Relocation Assistance Program
 Quantity/Cost: 1 @ \$10,000 FY19-02217
 Budget Request: \$ 10,000 IFAS#: 0017-9083-SO205-PK4

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

The scope of work includes the relocation assistance for persons and entities displaced during construction of the Lakeview Avenue grade separation (GS) project. The budget request is for costs associated with these services. The project will include construction of a vehicular overpass on the BNSF mainline tracks.

Please explain how you arrived at the budgeted dollars requested.

The budgeted dollars requested is based on the projected expenditures for the proposed fiscal year.

What phase of the project does this line item support?

This line item will support both the right-of-way and construction phases of work.

What phase of the project is this line item in, as of January 2, 2018?

Construction phase.

Is this line item rebudgeted from a prior fiscal year?

Yes.



Streets and Roads

OC Bridges (Project O)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9083 Right of Way - Miscellaneous

Description: State College Boulevard GS - Relocation Assistance Program
 Quantity/Cost: 1 @ \$50,000 FY19-02218
 Budget Request: \$ 50,000 IFAS#: 0017-9083-SO207-PK4

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

The scope of work includes the relocation assistance for persons and entities displaced during construction of the State College Boulevard grade separation (GS) project. The budget request is for costs associated with these services. The project aims to construct a vehicular undercrossing at State College Boulevard and BNSF railroad crossing.

Please explain how you arrived at the budgeted dollars requested.

The budgeted dollars requested is based on the projected expenditures for the proposed fiscal year.

What phase of the project does this line item support?

This line item will support both the right-of-way and construction phases of work.

What phase of the project is this line item in, as of January 2, 2018?

Construction phase.

Is this line item rebudgeted from a prior fiscal year?

Yes.



Measure M2 Program

Streets and Roads

OC Bridges (Project O)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9083 Right of Way - Miscellaneous

Description: Raymond Avenue GS - Relocation Assistance Program
 Quantity/Cost: 1 @ \$25,000 FY19-02219
 Budget Request: \$ 25,000 IFAS#: 0017-9083-SO208-PK4

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

The scope of work includes the relocation assistance for persons and entities displaced during construction of the Raymond Avenue grade separation (GS) project. The budget request is for costs associated with these services. The project includes construction of a vehicular underpass at BNSF tracks that cross at Raymond Avenue.

Please explain how you arrived at the budgeted dollars requested.

The budgeted dollars requested is based on the projected expenditures for the proposed fiscal year.

What phase of the project does this line item support?

This line item will support both the right-of-way and construction phases of work.

What phase of the project is this line item in, as of January 2, 2018?

Construction phase.

Is this line item rebudgeted from a prior fiscal year?

Yes.



Streets and Roads

OC Bridges (Project O)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9084 Construction

Description: Lakeview Avenue GS - Construction
 Quantity/Cost: 1 @ \$500,000 FY19-02080
 Budget Request: \$ 500,000 IFAS#: 0017-9084-SO205-PPJ

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Lakeview Avenue overcrossing will be constructed between 240 feet south of Eisenhower Circle and at the north end of Orchard Drive, in the cities of Anaheim and Placentia. The project will include construction of a vehicular overpass on the BNSF mainline tracks. Also included is a connector road from Orangethorpe Avenue to the new Lakeview Avenue grade separation (GS). The budget request is for costs associated changes during the construction phase (project closeout) of the project, including claim settlements.

Please explain how you arrived at the budgeted dollars requested.

The budgeted dollar amount requested is based on the projected expenditures for the proposed fiscal year.

What phase of the project does this line item support?

This line item will support the project closeout phase of work.

What phase of the project is this line item in, as of January 2, 2018?

Construction Phase (project closeout).

Is this line item rebudgeted from a prior fiscal year?

Yes.



Measure M2 Program

Streets and Roads

OC Bridges (Project O)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9085 Construction Management

Description: Tustin Ave/Rose Drive GS - CPMC Services
 Quantity/Cost: 1 @ \$10,000 FY19-02206
 Budget Request: \$ 10,000 IFAS#: 0017-9085-SO204-PPJ

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Construction Project Management Consultant (CPMC) to assist the Authority by providing staff assistance and technical expertise to help manage the construction phase of the Grade Separation (GS) projects. Consultant under this existing agreement shall function as an extension of Authority staff and supplement Authority staff by providing specialized expertise as required to effectively manage the construction program. Under the scope of work, Consultant shall assist Authority staff in the oversight, management, and completion of all work associated with the construction of the projects. The budget request is for costs associated with these services.

Please explain how you arrived at the budgeted dollars requested.

The budgeted amount requested is based on the projected expenditures for the proposed fiscal year.

What phase of the project does this line item support?

This line item will support the construction phase of work.

What phase of the project is this line item in, as of January 2, 2018?

Construction phase (project closeout).

Is this line item rebudgeted from a prior fiscal year?

Yes



Streets and Roads

OC Bridges (Project O)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9085 Construction Management

Description: Lakeview Avenue GS - CMC Services
 Quantity/Cost: 1 @ \$50,000 FY19-02082
 Budget Request: \$ 50,000 IFAS#: 0017-9085-SO205-PPJ

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Existing Agreement with TranSystems (formerly Athayle). Construction Management Consultant (CMC) shall assist the OCTA by providing staff assistance and technical expertise to manage the construction phase of the Lakeview Avenue grade separation (GS) project and to administer the contract. Consultant management services include, but not limited to, administration of the construction contract, coordination of the activities of the contractor with the services of the project design engineer, performance of quality assurance inspections and management of independent quality assurance testing, preparation of daily construction activity reports, performance of control point and benchmark surveying, communications between contractor and all other project participants, processing, collecting and maintaining of project communications and records, reviewing and recommending of contractor progress payments, processing of change order requests, implementing and processing change orders, processing claims. The budget request is for costs associated with these services.

Please explain how you arrived at the budgeted dollars requested.

The budgeted amount requested is based on projected expenditures for the proposed fiscal year.

What phase of the project does this line item support?

This line item will support the construction phase of work.

What phase of the project is this line item in, as of January 2, 2018?

Construction Phase (project closeout).

Is this line item rebudgeted from a prior fiscal year?

Yes.



Measure M2 Program

Streets and Roads

OC Bridges (Project O)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9085 Construction Management

Description: Lakeview Avenue GS - CPMC Services
 Quantity/Cost: 1 @ \$10,000 FY19-02207
 Budget Request: \$ 10,000 IFAS#: 0017-9085-SO205-PPJ

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Construction Project Management Consultant (CPMC) to assist the Authority by providing staff assistance and technical expertise to help manage the construction phase of the Lakeview Avenue grade separation (GS) project. Consultant under this existing agreement shall function as an extension of Authority staff and supplement Authority staff by providing specialized expertise as required to effectively manage the construction program. Under the scope of work, Consultant shall assist Authority staff in the oversight, management, and completion of all work associated with the construction of the projects. The budget request is for costs associated with these services.

Please explain how you arrived at the budgeted dollars requested.

The budgeted dollars requested is based on the projected expenditures for the proposed fiscal year.

What phase of the project does this line item support?

This line item will support the construction phase of work.

What phase of the project is this line item in, as of January 2, 2018?

Construction phase (project closeout).

Is this line item rebudgeted from a prior fiscal year?

Yes.



Streets and Roads

OC Bridges (Project O)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9085 Construction Management

Description: Orangethorpe Avenue GS - CPMC Services
 Quantity/Cost: 1 @ \$100,000 FY19-02205
 Budget Request: \$ 100,000 IFAS#: 0017-9085-SO206-PPJ

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Construction Project Management Consultant (CPMC) to assist the Authority by providing staff assistance and technical expertise to help manage the construction phase of the Orangethorpe Avenue grade separation (GS) project. Consultant under this existing agreement shall function as an extension of Authority staff and supplement Authority staff by providing specialized expertise as required to effectively manage the construction program. Under the scope of work, consultant shall assist Authority staff in the oversight, management, and completion of all work associated with the construction of the project. The budget request is for costs associated with these services.

Please explain how you arrived at the budgeted dollars requested.

The budgeted dollars requested is based on the projected expenditures for the proposed fiscal year.

What phase of the project does this line item support?

This line item will support the construction phase of work.

What phase of the project is this line item in, as of January 2, 2018?

Construction phase (project closeout).

Is this line item rebudgeted from a prior fiscal year?

Yes



Measure M2 Program

Streets and Roads

OC Bridges (Project O)

Division: 15 Capital Programs
OrgKey: 0017 Local Transport Auth Meas-M II
Object: 9085 Construction Management

Description: State College Boulevard GS - CPMC Services
Quantity/Cost: 1 @ \$65,000 FY19-02208
Budget Request: \$ 65,000 IFAS#: 0017-9085-SO207-PPJ

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Construction Project Management Consultant (CPMC) to assist the Authority by providing staff assistance and technical expertise to help manage the construction phase of the State College Boulevard grade separation (GS) project. Consultant under this existing agreement shall function as an extension of Authority staff and supplement Authority staff by providing specialized expertise as required to effectively manage the construction program. Under the scope of work, Consultant shall assist Authority staff in the oversight, management, and completion of all work associated with the construction of the projects. The budget request is for costs associated with these services.

Please explain how you arrived at the budgeted dollars requested.

The budgeted amount requested is based on the projected expenditures for the proposed fiscal year.

What phase of the project does this line item support?

This line item will support the construction phase of work.

What phase of the project is this line item in, as of January 2, 2018?

Construction phase (Project closeout).

Is this line item rebudgeted from a prior fiscal year?

Yes.



Streets and Roads

OC Bridges (Project O)

Division: 15 Capital Programs
 OrgKey: 0017 Local Transport Auth Meas-M II
 Object: 9085 Construction Management

Description: Raymond Avenue GS - CPMC Services
 Quantity/Cost: 1 @ \$65,000 FY19-02209
 Budget Request: \$ 65,000 IFAS#: 0017-9085-SO208-PPJ

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Construction Project Management Consultant (CPMC) to assist the Authority by providing staff assistance and technical expertise to help manage the construction phase of the Raymond Avenue grade separation (GS) project. Consultant under this existing agreement shall function as an extension of Authority staff and supplement Authority staff by providing specialized expertise as required to effectively manage the construction program. Under the scope of work, consultant shall assist Authority staff in the oversight, management, and completion of all work associated with the construction of the projects. The budget request is for costs associated with these services.

Please explain how you arrived at the budgeted dollars requested.

The budgeted amount requested is based on the projected expenditures for the proposed fiscal year.

What phase of the project does this line item support?

This line item will support the construction phase of work.

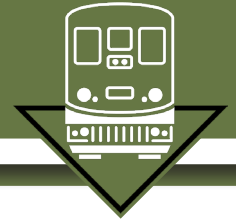
What phase of the project is this line item in, as of January 2, 2018?

Construction phase (Project closeout).

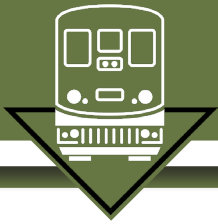
Is this line item rebudgeted from a prior fiscal year?

Yes.

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Rail					
Line Item Controlled Capital					
Org- Key	Department / Fund Name	Obj	Line Item Description	Budget	Page No.
Laguna Niguel to San Juan Capistrano Passing Siding					
0018	Commuter Rail	9082	Laguna Niguel to San Juan Capistrano Passing Siding - Utility R	500,000	60
0018	Commuter Rail	9084	Laguna Niguel to San Juan Capistrano Passing Siding - Constru	16,000,000	61
0018	Commuter Rail	9084	Laguna Niguel to San Juan Capistrano Passing Siding - SCRRA	5,450,000	62
0018	Commuter Rail	9085	Laguna Niguel to San Juan Capistrano Passing Siding - Constru	1,700,000	63
Orange Transportation Center Parking Expansion					
0018	Commuter Rail	9084	Orange Transportation Center - Construction	6,138,000	64
0018	Commuter Rail	9085	Orange Transportation Center - Construction Management	1,000,000	65
Placentia Metrolink Rail Station					
0018	Commuter Rail	9084	Placentia Metrolink Station - BNSF Construction and Mainten	4,500,000	66
0018	Commuter Rail	9084	Placentia Metrolink Station - Construction	17,575,000	67
0018	Commuter Rail	9085	Placentia Metrolink Station - Construction Management	1,740,000	68
Rail Station Improvements					
0018	Commuter Rail	9081	Anaheim Canyon - Land Acquisition	2,000,000	69
0018	Commuter Rail	9084	Station Platform Rehabilitation - Construction	500,000	70
0018	Commuter Rail	9085	Anaheim Canyon - Construction Management	1,770,000	71
Slope Stabilization					
0018	Commuter Rail	9082	Slope Stabilization - Utility Relocation	100,000	72
0018	Commuter Rail	9084	Slope Stabilization - Construction	2,000,000	73
0018	Commuter Rail	9085	Slope Stabilization - Construction Management Services	250,000	74
OCTA Rail Support Services					
0018	Commuter Rail	9084	New Fencing - Orange County Maintenance Facility and Rail C	250,000	75
Subtotal Capital - Capital Programs				\$ 61,473,000	



Rail Program

Laguna Niguel to San Juan Capistrano Passing Siding

Division: 15 Capital Programs
 OrgKey: 0018 Commuter Rail
 Object: 9082 Right of Way Utilities

Description: Laguna Niguel to San Juan Capistrano Passing Siding - Utility Relocation
 Quantity/Cost: 1 @ \$500,000 FY19-01926
 Budget Request: \$ 500,000 IFAS#: 0018-9082-C5051-TZ2

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Work includes utility (wet/dry) relocation work to be designed and relocated for the Laguna Niguel - San Juan Capistrano passing siding project. The Laguna Niguel - San Juan Capistrano passing siding project proposes the addition of 1.8 miles of new passing siding track adjacent to the existing main track in the City of San Juan Capistrano and the City of Laguna Niguel which will result in reducing congestion and improving reliability.

Please explain how you arrived at the budgeted dollars requested.

Estimate based on potential unknown utilities that could be encountered during construction.

What phase of the project does this line item support?

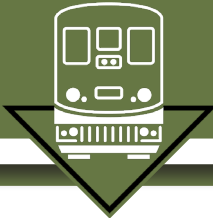
Construction phase.

What phase of the project is this line item in, as of January 2, 2018?

Design phase

Is this line item rebudgeted from a prior fiscal year?

Yes



Laguna Niguel to San Juan Capistrano Passing Siding

Division: 15 Capital Programs
OrgKey: 0018 Commuter Rail
Object: 9084 Construction

Description: Laguna Niguel to San Juan Capistrano Passing Siding - Construction
Quantity/Cost: 1 @ \$16,000,000 FY19-01914
Budget Request: \$ 16,000,000 IFAS#: 0018-9084-C5051-T22

Grant Funded:	<input checked="" type="checkbox"/> STIP Operating Assistance	\$3,000,000
Account:	0018-6026-C5051-XKS	
Grant Funded:	<input checked="" type="checkbox"/> FTA Other Operating Assistance	\$5,516,000
Account:	0018-6037-C5051-LG3	
Grant Funded:	<input checked="" type="checkbox"/> FTA Sec 5307 Operating Assist	\$2,556,000
Account:	0018-6032-C5051-LJ3	
Grant Funded:	<input checked="" type="checkbox"/> Reimb From Caltrans	\$3,000,000
Account:	0018-6061-C5051-YIM	
Grant Funded:	<input checked="" type="checkbox"/> Prop 116 Capital	\$1,928,000
Account:	0018-6022-C5051-X12	

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Construction of the passing siding tracks, retaining walls, bridge, and other aspects of the Laguna Niguel - San Juan Capistrano passing siding project. The Laguna Niguel - San Juan Capistrano passing siding project proposes the addition of 1.8 miles of new passing siding track adjacent to the existing main track in the City of San Juan Capistrano and the City of Laguna Niguel which will result in reducing congestion and improving reliability. Details of the construction include: relocation of an existing spur track, construction of a new retaining wall, relocation and extension of surrounding utilities, culvert extensions and other drainage refinements, addition of a railroad bridge or box culvert, asphalt paving to accommodate parking, and reprofiling of major streets to improve grades.

Please explain how you arrived at the budgeted dollars requested.

Estimate provided by the designer for construction of the project.

What phase of the project does this line item support?

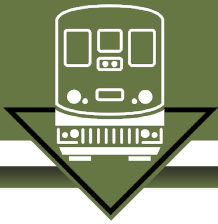
Construction phase.

What phase of the project is this line item in, as of January 2, 2018?

Design phase.

Is this line item rebudgeted from a prior fiscal year?

Yes



Rail Program

Laguna Niguel to San Juan Capistrano Passing Siding

Division: 15 Capital Programs
 OrgKey: 0018 Commuter Rail
 Object: 9084 Construction

Description: Laguna Niguel to San Juan Capistrano Passing Siding - SCRRA COOP Signal Construction Support

Quantity/Cost: 1 @ \$5,450,000 FY19-01919

Budget Request: \$ 5,450,000 IFAS#: 0018-9084-C5051-T22

Grant Funded: FTA Other Operating Assistance \$5,450,000

Account: 0018-6037-C5051-LG3

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

To construct signal and communications systems needed for the Laguna Niguel - San Juan Capistrano (LN/SJC) passing siding project. The project will include adding railroad control points, signal houses, positive train control and communication systems. The Laguna Niguel - San Juan Capistrano passing siding project proposes the addition of 1.8 miles of new passing siding track adjacent to the existing main track in the City of San Juan Capistrano and the City of Laguna Niguel which will result in reducing congestion and improving reliability. Details of the construction include: relocation of an existing spur track, construction of a new retaining wall, relocation and extension of surrounding utilities, culvert extensions and other drainage refinements, addition of a railroad bridge or box culvert, asphalt paving to accommodate parking, and reprofiling of major streets to improve grades.

Please explain how you arrived at the budgeted dollars requested.

Estimate provided by the Southern California Regional Rail Authority (SCRRA).

What phase of the project does this line item support?

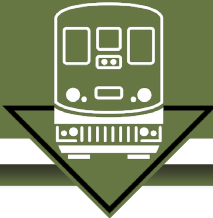
Construction phase.

What phase of the project is this line item in, as of January 2, 2018?

Design phase.

Is this line item rebudgeted from a prior fiscal year?

Yes



Laguna Niguel to San Juan Capistrano Passing Siding

Division: 15 Capital Programs
OrgKey: 0018 Commuter Rail
Object: 9085 Construction Management

Description: Laguna Niguel to San Juan Capistrano Passing Siding - Construction Management Services

Quantity/Cost: 1 @ \$1,700,000 FY19-01929

Budget Request: \$ 1,700,000 IFAS#: 0018-9085-C5051-T22

Grant Funded: FTA Other Operating Assistance \$1,700,000
Account: 0018-6037-C5051-LG3

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Scope includes management of the construction contract, safety, testing, and other construction management services related to the Laguna Niguel - San Juan Capistrano (LN-SJC) passing siding project. The LN-SJC passing siding project proposes the addition of 1.8 miles of new passing siding track adjacent to the existing main track in the City of San Juan Capistrano and the City of Laguna Niguel which will result in reducing congestion and improving reliability.

Please explain how you arrived at the budgeted dollars requested.

The budgeted amount is the estimate for the first year of a two year project.

What phase of the project does this line item support?

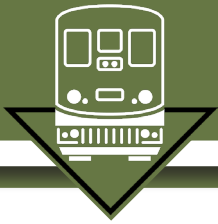
Construction phase.

What phase of the project is this line item in, as of January 2, 2018?

Design phase.

Is this line item rebudgeted from a prior fiscal year?

Yes



Rail Program

Orange Transportation Center Parking Expansion

Division: 15 Capital Programs
 OrgKey: 0018 Commuter Rail
 Object: 9084 Construction

Description: Orange Transportation Center - Construction

Quantity/Cost: 1 @ \$6,138,000

FY19-02274

Budget Request: \$ 6,138,000

IFAS#: 0018-9084-T5422-P3F

Grant Funded:	<input checked="" type="checkbox"/> STIP Operating Assistance	\$5,033,160
Account:	0018-6026-T5422-XHS	
Grant Funded:	<input checked="" type="checkbox"/> Reimb From Cities	\$1,104,840
Account:	0018-6062-T5422-XK1	

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Additional construction costs for the Orange Transportation center. The Orange Transportation center will be a five level shared use parking structure that will be located on Lemon Street between Chapman Avenue and Maple Street. 500 of the spaces will be for transit use and 111 spaces will be for the City of Orange general purpose use.

Please explain how you arrived at the budgeted dollars requested.

Amount is based on a percentage of overall construction costs for the project.

What phase of the project does this line item support?

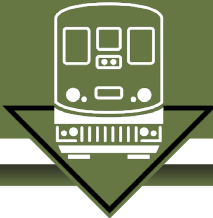
Construction

What phase of the project is this line item in, as of January 2, 2018?

Construction

Is this line item rebudgeted from a prior fiscal year?

Yes



Orange Transportation Center Parking Expansion

Division: 15 Capital Programs
OrgKey: 0018 Commuter Rail
Object: 9085 Construction Management

Description: Orange Transportation Center - Construction Management
Quantity/Cost: 1 @ \$1,000,000 FY19-02278
Budget Request: \$ 1,000,000 IFAS#: 0018-9085-T5422-P3F

Grant Funded: Reimb From Cities \$180,000
Account: 0018-6062-T5422-XK1
Grant Funded: STIP Operating Assistance \$820,000
Account: 0018-6026-T5422-XHS

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Construction management and material testing related to the construction of the Metrolink parking structure at Orange Transportation center. The Orange Transportation center will be a five level shared use parking structure that will be located on Lemon Street between Chapman Avenue and Maple Street. 500 of the spaces will be for transit use and 111 spaces will be for the City of Orange general purpose use.

Please explain how you arrived at the budgeted dollars requested.

Budget is based on existing contract with vendor and construction schedule for the project.

What phase of the project does this line item support?

Construction

What phase of the project is this line item in, as of January 2, 2018?

Construction

Is this line item rebudgeted from a prior fiscal year?

Yes



Rail Program

Placentia Metrolink Rail Station

Division: 15 Capital Programs
 OrgKey: 0018 Commuter Rail
 Object: 9084 Construction

Description: Placentia Metrolink Station - BNSF Construction and Maintenance Agreement
 Quantity/Cost: 1 @ \$4,500,000 FY19-02272
 Budget Request: \$ 4,500,000 IFAS#: 0018-9084-A4472-HH1

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Construction and maintenance agreement with BNSF for the track and signal portion of the Placentia Metrolink station. The project will also include a third track which should assist with the on-time performance of train operations and provide operational flexibility for both freight and passenger trains. The project aims to meet the current transit demand and foster train ridership growth in the region.

Please explain how you arrived at the budgeted dollars requested.

Budget is based on the engineer's estimate of design with escalation costs included.

What phase of the project does this line item support?

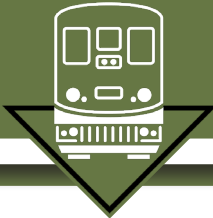
Construction

What phase of the project is this line item in, as of January 2, 2018?

Design

Is this line item rebudgeted from a prior fiscal year?

Yes



Placentia Metrolink Rail Station

Division: 15 Capital Programs
OrgKey: 0018 Commuter Rail
Object: 9084 Construction

Description: Placentia Metrolink Station - Construction
Quantity/Cost: 1 @ \$17,575,000 FY19-02269
Budget Request: \$ 17,575,000 IFAS#: 0018-9084-A4472-HH1

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Construction contract to build the Placentia Metrolink station including platforms, parking structure, kiss and ride area and all amenities needed for an operational station. The Placentia Metrolink station will be located on the BNSF Railway and City of Placentia-owned right-of-way (ROW). The project will provide a Metrolink Station and parking facilities in the City of Placentia for commuter rail passengers, with the goal of meeting the current transit demand and fostering train ridership growth in the region.

Please explain how you arrived at the budgeted dollars requested.

Budgeted amount is based on the engineer's estimate of design with escalation costs included.

What phase of the project does this line item support?

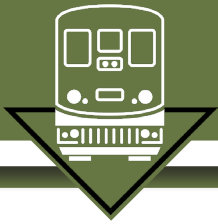
Construction

What phase of the project is this line item in, as of January 2, 2018?

Design

Is this line item rebudgeted from a prior fiscal year?

Yes



Rail Program

Placentia Metrolink Rail Station

Division: 15 Capital Programs
 OrgKey: 0018 Commuter Rail
 Object: 9085 Construction Management

Description: Placentia Metrolink Station - Construction Management
 Quantity/Cost: 1 @ \$1,740,000 FY19-02277
 Budget Request: \$ 1,740,000 IFAS#: 0018-9085-A4472-HH1

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Construction management and material testing related to the construction of the Placentia Metrolink station. The Placentia Metrolink station will be located on the BNSF Railway and City of Placentia-owned right-of-way (ROW). The project will provide a Metrolink Station and parking facilities in the City of Placentia for commuter rail passengers, with the goal of meeting the current transit demand and fostering train ridership growth in the region.

Please explain how you arrived at the budgeted dollars requested.

Based on negotiated contract.

What phase of the project does this line item support?

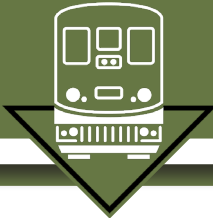
Construction

What phase of the project is this line item in, as of January 2, 2018?

Design

Is this line item rebudgeted from a prior fiscal year?

Yes



Rail Station Improvements

Division: 15 Capital Programs
OrgKey: 0018 Commuter Rail
Object: 9081 Right of Way- Land Acquisition

Description: Anaheim Canyon - Land Acquisition
Quantity/Cost: 1 @ \$2,000,000 FY19-02384
Budget Request: \$ 2,000,000 IFAS#: 0018-9081-C5061-TXD

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Land acquisition related to relocation of two driveways near railroad crossings related to improvements for the Anaheim Canyon station improvement project. The Anaheim Canyon station project includes the addition of a second station track, platform, and passenger amenities, including ticket vending machines, benches, canopies, and signage. The existing platform will also be extended to accommodate longer trains.

Please explain how you arrived at the budgeted dollars requested.

Per estimates from OCTA Right-of-Way (ROW) Department.

What phase of the project does this line item support?

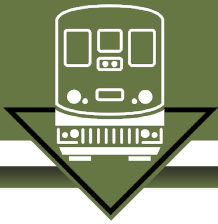
Design/ROW

What phase of the project is this line item in, as of January 2, 2018?

Design

Is this line item rebudgeted from a prior fiscal year?

Yes



Rail Program

Rail Station Improvements

Division: 15 Capital Programs
OrgKey: 0018 Commuter Rail
Object: 9084 Construction

Description: Station Platform Rehabilitation - Construction

Quantity/Cost: 1 @ \$500,000

FY19-01916

Budget Request: \$ 500,000

IFAS#: 0018-9084-C5063-TZR

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

The scope includes rehabilitation of yellow warning striping, Americans with Disabilities Act (ADA) detectable tiles, and other safety and/or ADA features within the station operating rail right of way. The project will provide rehabilitation of safety and/or ADA features at OC stations.

Please explain how you arrived at the budgeted dollars requested.

Estimate based on past projects.

What phase of the project does this line item support?

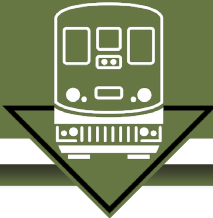
Construction

What phase of the project is this line item in, as of January 2, 2018?

Planning

Is this line item rebudgeted from a prior fiscal year?

Yes



Rail Station Improvements

Division: 15 Capital Programs
OrgKey: 0018 Commuter Rail
Object: 9085 Construction Management

Description: Anaheim Canyon - Construction Management
Quantity/Cost: 1 @ \$1,770,000 FY19-02598
Budget Request: \$ 1,770,000 IFAS#: 0018-9085-C5061-0JR

Grant Funded: FTA Other Operating Assistance \$1,770,000
Account: 0018-6037-C5061-LJ3

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Construction management services related to the construction of the Anaheim Canyon Metrolink station improvements. The Anaheim Canyon station project includes the addition of a second station track, platform, and passenger amenities, including ticket vending machines, benches, canopies, and signage. The existing platform will also be extended to accommodate longer trains.

Please explain how you arrived at the budgeted dollars requested.

Budget is based on Engineer's estimate for construction.

What phase of the project does this line item support?

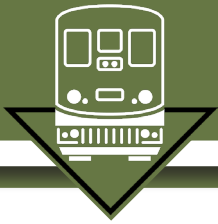
Construction

What phase of the project is this line item in, as of January 2, 2018?

Design

Is this line item rebudgeted from a prior fiscal year?

No



Rail Program

Slope Stabilization

Division: 15 Capital Programs
 OrgKey: 0018 Commuter Rail
 Object: 9082 Right of Way Utilities

Description: Slope Stabilization - Utility Relocation

Quantity/Cost: 1 @ \$100,000

FY19-01944

Budget Request: \$ 100,000

IFAS#: 0018-9082-C5052-0N9

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Work includes utility (wet/dry) relocation work to be designed and relocated for the Slope Stabilization project. Utilities encountered during construction of the Slope Stabilization project will require relocation.

Please explain how you arrived at the budgeted dollars requested.

Estimate based on utilities that will be encountered during construction.

What phase of the project does this line item support?

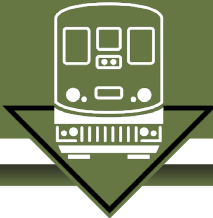
Construction

What phase of the project is this line item in, as of January 2, 2018?

Construction

Is this line item rebudgeted from a prior fiscal year?

No



Slope Stabilization

Division: 15 Capital Programs
OrgKey: 0018 Commuter Rail
Object: 9084 Construction

Description: Slope Stabilization - Construction
Quantity/Cost: 1 @ \$2,000,000 FY19-01881
Budget Request: \$ 2,000,000 IFAS#: 0018-9084-C5052-0NC

Grant Funded: FTA Sec 5309/5339 Oper Assist \$934,200
Account: 0018-6031-C5052-MD3
Grant Funded: FTA 5337 Fixed Guideway/Bus Operating Assistance \$1,065,800
Account: 0018-6033-C5052-MI3

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Repair and replace existing infrastructure within the railroad operating right-of-way (ROW) for the Slope Stabilization project. The Slope Stabilization project will repair existing erosion and slope failures that support railroad tracks at multiple locations within the OCTA-owned operating railroad right-of-way.

Please explain how you arrived at the budgeted dollars requested.

Based on Engineer's estimate.

What phase of the project does this line item support?

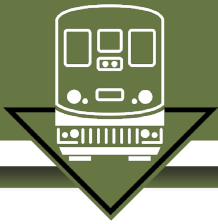
Construction

What phase of the project is this line item in, as of January 2, 2018?

Construction

Is this line item rebudgeted from a prior fiscal year?

Yes



Rail Program

Slope Stabilization

Division: 15 **Capital Programs**
OrgKey: 0018 **Commuter Rail**
Object: 9085 **Construction Management**

Description: Slope Stabilization - Construction Management Services
Quantity/Cost: 1 @ \$250,000 FY19-01931
Budget Request: \$ 250,000 IFAS#: 0018-9085-C5052-0FB

Grant Funded:	<input checked="" type="checkbox"/>	FTA 5337 Fixed Guideway/Bus Operating Assistance	\$133,225
Account:		0018-6033-C5052-MI3	
Grant Funded:	<input checked="" type="checkbox"/>	FTA Sec 5309/5339 Oper Assist	\$116,775
Account:		0018-6031-C5052-MD3	

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Scope includes management of the construction contract, safety, testing, and other construction management services related to the Slope Stabilization project. The Slope Stabilization project will repair existing erosion and slope failures that support railroad tracks at multiple locations within the OCTA-owned operating railroad right-of-way.

Please explain how you arrived at the budgeted dollars requested.

Project estimate for construction management work.

What phase of the project does this line item support?

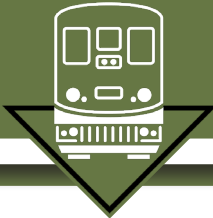
Construction

What phase of the project is this line item in, as of January 2, 2018?

Construction

Is this line item rebudgeted from a prior fiscal year?

No



OCTA Rail Support Services

Division: 15 Capital Programs
OrgKey: 0018 Commuter Rail
Object: 9084 Construction

Description: New Fencing - Orange County Maintenance Facility and Rail Corridor
Quantity/Cost: 1 @ \$250,000 FY19-02256
Budget Request: \$ 250,000 IFAS#: 0018-9084-D2601-06G

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Installation of new fencing within OCTA owned rail right of way and Orange County maintenance facility. Additional fencing will enhance safety and security within the rail corridor and maintenance facility.

Please explain how you arrived at the budgeted dollars requested.

The estimate was calculated using the price per lineal foot.

What phase of the project does this line item support?

N/A

What phase of the project is this line item in, as of January 2, 2018?

N/A

Is this line item rebudgeted from a prior fiscal year?

Yes

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OC Streetcar					
Line Item Controlled Capital					
Org- Key	Department / Fund Name	Obj	Line Item Description	Budget	Page No.
OC Streetcar					
0051	Transit Development Cap	9015	Additional OC Streetcar Right of Way Acquisition	2,000,000	78
0051	Transit Development Cap	9015	OC Streetcar Right of Way Acquisition	7,850,000	79
0051	Transit Development Cap	9016	OC Streetcar Right of Way Utilities	8,000,000	80
0051	Transit Development Cap	9017	OC Streetcar Demolition Contract	872,000	81
0051	Transit Development Cap	9017	OC Streetcar Orange County Sanitation District	607,639	82
0051	Transit Development Cap	9017	OC Streetcar Construction Services - P10	34,816,345	83
0051	Transit Development Cap	9017	OC Streetcar Construction Services - P20	3,914,859	84
0051	Transit Development Cap	9017	OC Streetcar Construction - P30	25,397,110	85
0051	Transit Development Cap	9017	OC Streetcar Construction Services - P40	39,632,461	86
0051	Transit Development Cap	9017	OC Streetcar Demolition Contract	128,000	87
0051	Transit Development Cap	9017	OC Streetcar Construction - P50	37,878,406	88
0051	Transit Development Cap	9017	OC Streetcar Ticket Vending Machines	1,322,696	89
0051	Transit Development Cap	9018	OC Streetcar PGH Wong Construction Management Services	4,123,751	90
0051	Transit Development Cap	9025	OC Streetcar Non Revenue Vehicles	456,431	91
0051	Transit Development Cap	9026	OC Streetcar Vehicle Spare Parts and Special Tools	5,169,123	92
Subtotal Capital - Capital Programs				\$ 172,168,821	



OC Streetcar

OC Streetcar

Division: 15 Capital Programs
OrgKey: 0051 Transit Development Cap Proj
Object: 9015 ROW land acqn Design/Build WIP

Description: Additional OC Streetcar Right of Way Acquisition

Quantity/Cost: 1 @ \$2,000,000

FY19-02312

Budget Request: \$ 2,000,000

IFAS#: 0051-9015-TS010-999

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Additional acquisition of property required for the OC Streetcar project, which include the value of right-of-way, land, and existing improvements. The OC Streetcar will increase transportation options and provide greater access along its 4.15-mile route (in each direction) along Santa Ana Boulevard, 4th Street, and the Pacific Electric right-of-way to Harbor Boulevard in Garden Grove.

Please explain how you arrived at the budgeted dollars requested.

The request based upon a percentage of the estimated right of way acquisition costs

What phase of the project does this line item support?

Construction

What phase of the project is this line item in, as of January 2, 2018?

Engineering

Is this line item rebudgeted from a prior fiscal year?

Yes



OC Streetcar

Division: 15 Capital Programs
OrgKey: 0051 Transit Development Cap Proj
Object: 9015 ROW land acqn Design/Build WIP

Description: OC Streetcar Right of Way Acquisition
Quantity/Cost: 1 @ \$7,850,000 FY19-02307
Budget Request: \$ 7,850,000 IFAS#: 0051-9015-TS010-Z61

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Acquisition of property required for the OC Streetcar project, which include the value of right-of-way, land, and existing improvements. The OC Streetcar will increase transportation options and provide greater access along its 4.15-mile route (in each direction) along Santa Ana Boulevard, 4th Street, and the Pacific Electric right-of-way to Harbor Boulevard in Garden Grove.

Please explain how you arrived at the budgeted dollars requested.

The budget is based on projected expenditures for the fiscal year and property appraisals for the required parcels.

What phase of the project does this line item support?

Construction

What phase of the project is this line item in, as of January 2, 2018?

Engineering

Is this line item rebudgeted from a prior fiscal year?

Yes



OC Streetcar

OC Streetcar

Division: 15 Capital Programs
OrgKey: 0051 Transit Development Cap Proj
Object: 9016 ROW utilities Design/Build WIP

Description: OC Streetcar Right of Way Utilities

Quantity/Cost: 1 @ \$8,000,000

FY19-02315

Budget Request: \$ 8,000,000

IFAS#: 0051-9016-TS010-999

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

The scope of work includes expenses for utilities required to relocate in order to accommodate construction of the OC Streetcar project. Utilities may include storm, sewer, water, gas, and electric costs. The OC Streetcar will increase transportation options and provide greater access along its 4.15-mile route (in each direction) along Santa Ana Boulevard, 4th Street, and the Pacific Electric right-of-way to Harbor Boulevard in Garden Grove.

Please explain how you arrived at the budgeted dollars requested.

The budget request is based upon an estimate from other transit agencies as well as estimates provided by a utility company.

The costs are not budgeted to the project until cost responsibility for the relocation is determined, either by an agreement or court settlement.

What phase of the project does this line item support?

Construction

What phase of the project is this line item in, as of January 2, 2018?

Engineering

Is this line item rebudgeted from a prior fiscal year?

Yes



OC Streetcar

Division: 15 Capital Programs
OrgKey: 0051 Transit Development Cap Proj
Object: 9017 Construction Design/Build WIP

Description: OC Streetcar Demolition Contract
Quantity/Cost: 1 @ \$872,000 FY19-02360
Budget Request: \$ 872,000 IFAS#: 0051-9017-TS010-999

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

The expenses are for removal and transportation of contaminated materials associated with the demolition of facilities at properties required for the maintenance and storage facility.

Please explain how you arrived at the budgeted dollars requested.

Budget based on the phase II environmental site assessments conducted on the properties required for maintenance facility. The expenses are not federally reimbursable.

What phase of the project does this line item support?

Construction

What phase of the project is this line item in, as of January 2, 2018?

Engineering

Is this line item rebudgeted from a prior fiscal year?

No



OC Streetcar

OC Streetcar

Division: 15 Capital Programs
OrgKey: 0051 Transit Development Cap Proj
Object: 9017 Construction Design/Build WIP

Description: OC Streetcar Orange County Sanitation District

Quantity/Cost: 1 @ \$607,639

FY19-02422

Budget Request: \$ 607,639

IFAS#: 0051-9017-TS010-999

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

This expense is for the relocation of Orange County Sanitation District sewer lines that are in conflict with the OC Streetcar. The relocation would be performed by the OC Streetcar construction contractor. The cost has not been included as a Federal New Starts project cost as the responsibility for the relocation costs has not been resolved and will be determined at a later date.

Please explain how you arrived at the budgeted dollars requested.

The cost estimate is based upon the Engineer's estimate prepared by the streetcar project designer.

What phase of the project does this line item support?

Construction

What phase of the project is this line item in, as of January 2, 2018?

Engineering

Is this line item rebudgeted from a prior fiscal year?

No



OC Streetcar

Division: 15 Capital Programs
OrgKey: 0051 Transit Development Cap Proj
Object: 9017 Construction Design/Build WIP

Description: OC Streetcar Construction Services - P10
Quantity/Cost: 1 @ \$34,816,345 FY19-02366
Budget Request: \$ 34,816,345 IFAS#: 0051-9017-TS010-Z10

Grant Funded:	<input checked="" type="checkbox"/> FTA Sec 5309/5339 Cap Assist	\$31,150,312
Account:	0051-6041-TS010-MJ3	
Grant Funded:	<input checked="" type="checkbox"/> FTA Sec 20 Capital Assistance	\$1,398,156
Account:	0051-6043-TS010-LI3	

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Construction services for OC Streetcar track and guideway. These costs are tracked and reported separately to FTA. As associated with the guideway, includes costs for rough grading, excavation, and concrete base for guideway where applicable. Includes all construction materials and labor. The OC Streetcar will increase transportation options and provide greater access along its 4.15-mile route (in each direction) along Santa Ana Boulevard, 4th Street, and the Pacific Electric right-of-way to Harbor Boulevard in Garden Grove. These costs are tracked and reported separately to Federal Transit Administration (FTA).

Please explain how you arrived at the budgeted dollars requested.

Cost is based upon the engineers' estimate prepared by the project designer.

What phase of the project does this line item support?

Construction

What phase of the project is this line item in, as of January 2, 2018?

Engineering

Is this line item rebudgeted from a prior fiscal year?

Yes



OC Streetcar

OC Streetcar

Division: 15 Capital Programs
OrgKey: 0051 Transit Development Cap Proj
Object: 9017 Construction Design/Build WIP

Description: OC Streetcar Construction Services - P20
Quantity/Cost: 1 @ \$3,914,859 FY19-02367
Budget Request: \$ 3,914,859 IFAS#: 0051-9017-TS010-220

Grant Funded: FTA Sec 5309/5339 Cap Assist \$3,038,894
 Account: 0051-6041-TS010-MJ3

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Construction services for the development of stations on the OC Streetcar project. These costs are tracked and reported separately to FTA. As associated with stations, includes costs for rough grading, excavation, station structures, enclosures, finishes, equipment, and mechanical and electrical components. Also includes all construction materials and labor costs. The OC Streetcar will increase transportation options and provide greater access along its 4.15-mile route (in each direction) along Santa Ana Boulevard, 4th Street, and the Pacific Electric right-of-way to Harbor Boulevard in Garden Grove. These costs are tracked and reported to the Federal Transit Administration (FTA) separately.

Please explain how you arrived at the budgeted dollars requested.

Cost is based upon the engineers' estimate prepared by the project designer.

What phase of the project does this line item support?

Construction

What phase of the project is this line item in, as of January 2, 2018?

Engineering

Is this line item rebudgeted from a prior fiscal year?

Yes



OC Streetcar

Division: 15 Capital Programs
OrgKey: 0051 Transit Development Cap Proj
Object: 9017 Construction Design/Build WIP

Description: OC Streetcar Construction - P30
Quantity/Cost: 1 @ \$25,397,110 FY19-02368
Budget Request: \$ 25,397,110 IFAS#: 0051-9017-TS010-Z30

Grant Funded: FTA Sec 5309/5339 Cap Assist \$22,819,628
Account: 0051-6041-TS010-MJ3

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Construction services for the development of OC Streetcar Maintenance and storage facility. These costs are tracked and reported separately to FTA. As associated with support facilities, includes costs for rough grading, excavation, support structures, enclosures, finishes, equipment, and mechanical and electrical components. Also includes all construction materials and labor costs. The OC Streetcar will increase transportation options and provide greater access along its 4.15-mile route (in each direction) along Santa Ana Boulevard, 4th Street, and the Pacific Electric right-of-way to Harbor Boulevard in Garden Grove. These costs are required to be tracked and reported separately to the Federal Transit Administration (FTA).

Please explain how you arrived at the budgeted dollars requested.

Cost is based upon the engineers' estimate prepared by the project designer.

What phase of the project does this line item support?

Construction

What phase of the project is this line item in, as of January 2, 2018?

Engineering

Is this line item rebudgeted from a prior fiscal year?

Yes



OC Streetcar

OC Streetcar

Division: 15 Capital Programs
OrgKey: 0051 Transit Development Cap Proj
Object: 9017 Construction Design/Build WIP

Description: OC Streetcar Construction Services - P40

Quantity/Cost: 1 @ \$39,632,461

FY19-02369

Budget Request: \$ 39,632,461

IFAS#: 0051-9017-TS010-Z40

Grant Funded: FTA Sec 5309/5339 Cap Assist

\$37,034,026

Account: 0051-6041-TS010-MJ3

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Construction services for site work and special conditions for the OC Streetcar, including site clearing, sidewalks, new curb and gutter, road paving, and utility relocation. Also includes all construction materials and labor costs. These costs are tracked and reported separately to FTA. The OC Streetcar will increase transportation options and provide greater access along its 4.15-mile route (in each direction) along Santa Ana Boulevard, 4th Street, and the Pacific Electric right-of-way to Harbor Boulevard in Garden Grove. These costs are tracked and reported separately to the Federal Transit Administration (FTA).

Please explain how you arrived at the budgeted dollars requested.

Cost is based upon the engineer's estimate prepared by the project designer.

What phase of the project does this line item support?

Construction

What phase of the project is this line item in, as of January 2, 2018?

Engineering

Is this line item rebudgeted from a prior fiscal year?

Yes



OC Streetcar

Division: 15 Capital Programs
OrgKey: 0051 Transit Development Cap Proj
Object: 9017 Construction Design/Build WIP

Description: OC Streetcar Demolition Contract
Quantity/Cost: 1 @ \$128,000 FY19-02359
Budget Request: \$ 128,000 IFAS#: 0051-9017-TS010-Z41

Grant Funded: FTA Sec 5309/5339 Cap Assist \$119,608
 Account: 0051-6041-TS010-MJ3

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

The provision of demolition and clearance services for properties that are acquired for the projects maintenance and storage facility.

Please explain how you arrived at the budgeted dollars requested.

Budget is based on projected expenses for demolition and clearance.

What phase of the project does this line item support?

Construction

What phase of the project is this line item in, as of January 2, 2018?

Engineering

Is this line item rebudgeted from a prior fiscal year?

No



OC Streetcar

OC Streetcar

Division: 15 Capital Programs
OrgKey: 0051 Transit Development Cap Proj
Object: 9017 Construction Design/Build WIP

Description: OC Streetcar Construction - P50

Quantity/Cost: 1 @ \$37,878,406

FY19-02370

Budget Request: \$ 37,878,406

IFAS#: 0051-9017-TS010-Z50

Grant Funded: FTA Sec 5309/5339 Cap Assist

\$30,419,570

Account: 0051-6041-TS010-MJ3

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Construction services for the following OC Streetcar systems: traffic control and signals, traction power, communications, central control and fare collection systems. Also includes all construction materials and labor costs. The OC Streetcar will increase transportation options and provide greater access along its 4.15-mile route (in each direction) along Santa Ana Boulevard, 4th Street, and the Pacific Electric right-of-way to Harbor Boulevard in Garden Grove. These costs are tracked and reported separately to the Federal Transit Administration (FTA).

Please explain how you arrived at the budgeted dollars requested.

Cost is based upon the engineers' estimate prepared by the project designer.

What phase of the project does this line item support?

Construction

What phase of the project is this line item in, as of January 2, 2018?

Engineering

Is this line item rebudgeted from a prior fiscal year?

Yes



OC Streetcar

Division: 15 Capital Programs
OrgKey: 0051 Transit Development Cap Proj
Object: 9017 Construction Design/Build WIP

Description: OC Streetcar Ticket Vending Machines
Quantity/Cost: 1 @ \$1,322,696 FY19-02421
Budget Request: \$ 1,322,696 IFAS#: 0051-9017-TS010-Z55

Grant Funded: FTA Sec 5309/5339 Cap Assist \$1,062,237
 Account: 0051-6041-TS010-MJ3

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

This expense is for the fabrication and installation of ticket vending machines (TVMS) and fare card readers at station platforms. TVMS will be installed at each streetcar stop, enabling passengers to pay their fare before entering the vehicles. The fabrication and installation of the TVMS will be included in the streetcar construction contract.

Please explain how you arrived at the budgeted dollars requested.

The cost estimate is based upon information obtained from other transit agencies.

What phase of the project does this line item support?

Construction

What phase of the project is this line item in, as of January 2, 2018?

Engineering

Is this line item rebudgeted from a prior fiscal year?

No



OC Streetcar

OC Streetcar

Division: 15 **Capital Programs**
OrgKey: 0051 **Transit Development Cap Proj**
Object: 9018 **Const Manage Design/Build WIP**

Description: OC Streetcar PGH Wong Construction Management Services
Quantity/Cost: 1 @ \$4,123,751 FY19-02271
Budget Request: \$ 4,123,751 IFAS#: 0051-9018-TS010-Z84

Grant Funded:	<input checked="" type="checkbox"/> FTA Sec 20 Capital Assistance	\$2,698,826
Account:	0051-6043-TS010-LI3	
Grant Funded:	<input checked="" type="checkbox"/> FTA Sec 5309/5339 Cap Assist	\$794,863
Account:	0051-6041-TS010-MJ3	

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

The Construction Management (CM) contractor oversees the performance of the construction contractor and their compliance to contract terms for the OC Streetcar project. The OC Streetcar will increase transportation options and provide greater access along its 4.15-mile route (in each direction) along Santa Ana Boulevard, 4th Street, and the Pacific Electric right-of-way to Harbor Boulevard in Garden Grove. During the engineering phase, the CM will participate in constructability reviews and value engineering studies.

Please explain how you arrived at the budgeted dollars requested.

The budget request was determined by estimating the level of effort required by the CM during FY 2018-2019 based upon the CM contract and construction schedule.

What phase of the project does this line item support?

Construction

What phase of the project is this line item in, as of January 2, 2018?

Engineering

Is this line item rebudgeted from a prior fiscal year?

Yes. new amount based on workplan for FY18-19



OC Streetcar

Division: 15 Capital Programs
OrgKey: 0051 Transit Development Cap Proj
Object: 9025 Cap Exp-Other Vehicles

Description: OC Streetcar Non Revenue Vehicles
Quantity/Cost: 1 @ \$456,431 FY19-02390
Budget Request: \$ 456,431 IFAS#: 0051-9025-TS010-276

Grant Funded: Reimb From Caltrans \$196,392
Account: 0051-6061-TS010-YHM
Grant Funded: FTA Sec 20 Capital Assistance \$150,438
Account: 0051-6043-TS010-LI3

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Acquisition of specialized non revenue vehicles required for the maintenance of the streetcar. The vehicles will include a rail sweeper, bucket truck, forklift and re-rail equipment. The OC Streetcar will increase transportation options and provide greater access along its 4.15-mile route (in each direction) along Santa Ana Boulevard, 4th Street, and the Pacific Electric right-of-way to Harbor Boulevard in Garden Grove.

Please explain how you arrived at the budgeted dollars requested.

Costs were obtained from other transit agencies vehicle contracts.

What phase of the project does this line item support?

Construction

What phase of the project is this line item in, as of January 2, 2018?

Engineering

Is this line item rebudgeted from a prior fiscal year?

Yes



OC Streetcar

OC Streetcar

Division: 15 Capital Programs
OrgKey: 0051 Transit Development Cap Proj
Object: 9026 Cap Exp-Tools/Equipment

Description: OC Streetcar Vehicle Spare Parts and Special Tools

Quantity/Cost: 1 @ \$5,169,123 FY19-02382

Budget Request: \$ 5,169,123 IFAS#: 0051-9026-TS010-Z77

Grant Funded:	<input checked="" type="checkbox"/> Reimb From Caltrans	\$2,224,162
Account:	0051-6061-TS010-YHM	
Grant Funded:	<input checked="" type="checkbox"/> FTA Sec 20 Capital Assistance	\$1,703,726
Account:	0051-6043-TS010-LI3	

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Acquisition of spare parts for streetcar vehicles and specialized tools and equipment required for vehicle maintenance. The OC Streetcar will increase transportation options and provide greater access along its 4.15-mile route (in each direction) along Santa Ana Boulevard, 4th Street, and the Pacific Electric right-of-way to Harbor Boulevard in Garden Grove.

Please explain how you arrived at the budgeted dollars requested.

Costs were obtained from Best and Final Offers submitted by proposers for the vehicle procurement. Includes additional costs for potential change orders.

What phase of the project does this line item support?

Construction

What phase of the project is this line item in, as of January 2, 2018?

Engineering

Is this line item rebudgeted from a prior fiscal year?

Yes



OCTA

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Express Lanes					
Line Item Controlled Capital					
Org- Key	Department / Fund Name	Obj	Line Item Description	Budget	Page No.
91 Express Lanes					
91 Express Lanes Capital Expense					
0036	91 Express Lanes	9023	Leasehold Improvements to the Customer Service Center	545,000	96
0036	91 Express Lanes	9026	Uninterruptible Power Supply Source	15,000	97
0036	91 Express Lanes	9028	91 Express Lanes Back Office System	6,750,000	98
0036	91 Express Lanes	9028	Personal Computer Components	130,000	99
0036	91 Express Lanes	9030	Title 21 Transponders	130,000	100
I-405 Express Lanes					
405 Express Lanes					
0037	I-405 Express Lane	9015	I-405, SR-55 to I-605 - ROW Capital	31,200,000	101
0037	I-405 Express Lane	9016	I-405, SR-55 to I-605 - ROW Utilities	2,820,000	102
0037	I-405 Express Lane	9017	I-405, SR-55 to I-605 - CCO Contingency	3,300,000	103
0037	I-405 Express Lane	9017	I-405, SR-55 to I-605 - City Coop Agreements	943,800	104
0037	I-405 Express Lane	9018	I-405, SR-55 to I-605 - CMC Services	1,350,000	105
0037	I-405 Express Lane	9018	I-405, SR-55 to I-605 - Caltrans Coop Agreement	750,000	106
0037	I-405 Express Lane	9028	405 Express Lanes Back Office System	13,500,000	107
0037	I-405 Express Lane	9028	I-405, SR-55 to I-605 - TISI Contingency	250,000	108
Subtotal Capital - Executive Office				\$ 61,683,800	



Express Lanes

91 Express Lanes

91 Express Lanes Capital Expense

Division: 01 Executive Office
OrgKey: 0036 91 Express Lanes
Object: 9023 Cap Exp-Leasehold Improvements

Description: Leasehold Improvements to the Customer Service Center
Quantity/Cost: 1 @ \$545,000 FY19-02234
Budget Request: \$ 545,000 IFAS#: 0036-9023-B0001-0GZ

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Leasehold improvements to the Customer Service Center. The Customer Service Center houses the customer service representatives who operate the call center, walk-in service area, and the transponder fulfillment area.

Please explain how you arrived at the budgeted dollars requested.

Independent cost estimate.

What phase of the project does this line item support?

Operations

What phase of the project is this line item in, as of January 2, 2018?

Planning

Is this line item rebudgeted from a prior fiscal year?

Yes



91 Express Lanes

91 Express Lanes Capital Expense

Division: 01 Executive Office
OrgKey: 0036 91 Express Lanes
Object: 9026 Cap Exp-Tools/Equipment

Description: Uninterruptible Power Supply Source
Quantity/Cost: 1 @ \$15,000 FY19-02238
Budget Request: \$ 15,000 IFAS#: 0036-9026-B0001-DC5

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Addition of a secondary uninterruptible power supply source.

Please explain how you arrived at the budgeted dollars requested.

Based upon historical actuals.

What phase of the project does this line item support?

All phases

What phase of the project is this line item in, as of January 2, 2018?

Planning

Is this line item rebudgeted from a prior fiscal year?

Yes



Express Lanes

91 Express Lanes

91 Express Lanes Capital Expense

Division: 01 Executive Office
OrgKey: 0036 91 Express Lanes
Object: 9028 Cap Exp-Computer Hard/Software

Description: 91 Express Lanes Back Office System

Quantity/Cost: 1 @ \$6,750,000

FY19-02852

Budget Request: \$ 6,750,000

IFAS#: 0036-9028-B0001-1GO

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Development and implementation of a new back office/account management system for the 91 Express Lanes. Functionalities include operational processing of data for toll and trip calculation, automated replenishment of customer accounts, violation processing, and financial processes and reporting.

Please explain how you arrived at the budgeted dollars requested.

Based upon consultants estimate.

What phase of the project does this line item support?

Development and implementation.

What phase of the project is this line item in, as of January 2, 2018?

Pre-Planning

Is this line item rebudgeted from a prior fiscal year?

No.



91 Express Lanes

91 Express Lanes Capital Expense

Division: 01 Executive Office
 OrgKey: 0036 91 Express Lanes
 Object: 9028 Cap Exp-Computer Hard/Software

Description: Personal Computer Components
 Quantity/Cost: 1 @ \$130,000 FY19-02236
 Budget Request: \$ 130,000 IFAS#: 0036-9028-B0001-H3F

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Multiple procurements will take place under this line item. Purchases will include replacement of outdated servers, routers, switch and firewall equipment.

Please explain how you arrived at the budgeted dollars requested.

Estimate based upon actuals.

What phase of the project does this line item support?

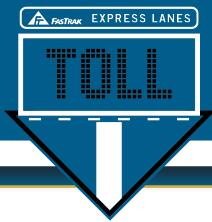
N/A

What phase of the project is this line item in, as of January 2, 2018?

N/A

Is this line item rebudgeted from a prior fiscal year?

No



Express Lanes

91 Express Lanes

91 Express Lanes Capital Expense

Division: 01 Executive Office

OrgKey: 0036 91 Express Lanes

Object: 9030 Transponders

Description: Title 21 Transponders

Quantity/Cost: 1 @ \$130,000

FY19-02237

Budget Request: \$ 130,000

IFAS#: 0036-9030-B0001-AD4

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Procurement of Title 21 transponders for the 91 Express Lanes. The new 6c transponders will be implemented January 2019.

Please explain how you arrived at the budgeted dollars requested.

Based upon estimates.

What phase of the project does this line item support?

On-going

What phase of the project is this line item in, as of January 2, 2018?

On-going

Is this line item rebudgeted from a prior fiscal year?

No



I-405 Express Lanes

405 Express Lanes

Division: 15 Capital Programs
 OrgKey: 0037 I-405 Express Lane
 Object: 9015 ROW land acqn Design/Build WIP

Description: I-405, SR-55 to I-605 - ROW Capital
 Quantity/Cost: 1 @ \$31,200,000 FY19-02265
 Budget Request: \$ 31,200,000 IFAS#: 0037-9015-A9510-0DW

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

The scope of work includes the acquisition of properties and property rights from private and public owners for the project. These properties include, but are not limited to, temporary construction easements, public utility easements, aerial easements, wall easements, footing easements, and drainage easements. The budget request is for costs associated with the acquisition of properties and property rights for the express lanes of the project.

Please explain how you arrived at the budgeted dollars requested.

The budgeted dollars requested is based on the projected expenditures for the fiscal year (Allocation by Parcel).

What phase of the project does this line item support?

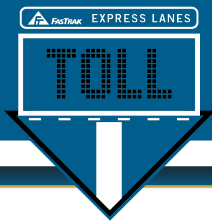
This line item will support the right-of-way phase of work.

What phase of the project is this line item in, as of January 2, 2018?

Right-of-way phase.

Is this line item rebudgeted from a prior fiscal year?

Yes.



Express Lanes

I-405 Express Lanes

405 Express Lanes

Division: 15 Capital Programs
OrgKey: 0037 I-405 Express Lane
Object: 9016 ROW utilities Design/Build WIP

Description: I-405, SR-55 to I-605 - ROW Utilities

Quantity/Cost: 1 @ \$2,820,000

FY19-02270

Budget Request: \$ 2,820,000

IFAS#: 0037-9016-A9510-0DW

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

To relocate multiple utilities for the project prior to and during design and construction phase of work. The budget request is for costs associated with these services for the express lanes of the project.

Please explain how you arrived at the budgeted dollars requested.

The budgeted dollars requested is based on the total projected expenditures for the fiscal year (Allocation by Utility).

What phase of the project does this line item support?

This line item will support the utility relocation phase of work.

What phase of the project is this line item in, as of January 2, 2018?

Utility relocation phase.

Is this line item rebudgeted from a prior fiscal year?

Yes.



I-405 Express Lanes

405 Express Lanes

Division: 15 Capital Programs
 OrgKey: 0037 I-405 Express Lane
 Object: 9017 Construction Design/Build WIP

Description: I-405, SR-55 to I-605 - CCO Contingency
 Quantity/Cost: 1 @ \$3,300,000 FY19-02255
 Budget Request: \$ 3,300,000 IFAS#: 0037-9017-A9510-0GM

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Scope of work is under existing Agreement C-5-3843 with OC 405 Partners. The project will add new lanes, improve interchanges and widen local overcrossings to the Interstate 405 freeway. More specifically, the project will add one general purpose lane and one express lane in each direction.

Please explain how you arrived at the budgeted dollars requested.

The budgeted dollars requested is based on the total expenditures for the fiscal year at a rate of 22% of the non-M2 funding to cover costs necessary to implement the express lanes for the project.

What phase of the project does this line item support?

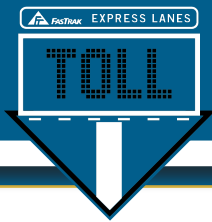
This line item will support the design and construction phases of work.

What phase of the project is this line item in, as of January 2, 2018?

Design and construction phases (design-build contract).

Is this line item rebudgeted from a prior fiscal year?

Yes.



Express Lanes

I-405 Express Lanes

405 Express Lanes

Division: 15 Capital Programs
OrgKey: 0037 I-405 Express Lane
Object: 9017 Construction Design/Build WIP

Description: I-405, SR-55 to I-605 - City Coop Agreements
Quantity/Cost: 1 @ \$943,800 FY19-02273
Budget Request: \$ 943,800 IFAS#: 0037-9017-A9510-012

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

This work is being provided by various cooperative agreements with local agencies along the project corridor, including the cities of Costa Mesa, Fountain Valley, Huntington Beach, Seal Beach, and Westminster, the Orange County Flood Control District (OCFCD), the Orange County Sanitation District (OCSD), and the California Highway Patrol (CHP). The work includes traffic engineering services, police services, and project support services, as well as traffic control services and pavement rehabilitation work for various city streets for the project. The budget request is for costs associated with these services related to the express lanes of the project.

Please explain how you arrived at the budgeted dollars requested.

The budgeted dollars requested is based on the total projected expenditures for the fiscal year at a rate of 22% of the non-M2 funding necessary to implement the express lanes for the project.

What phase of the project does this line item support?

This line item will support the design and construction phases of work.

What phase of the project is this line item in, as of January 2, 2018?

Design and construction phases (design-build contract)

Is this line item rebudgeted from a prior fiscal year?

Yes.



I-405 Express Lanes

405 Express Lanes

Division: 15 Capital Programs
 OrgKey: 0037 I-405 Express Lane
 Object: 9018 Const Manage Design/Build WIP

Description: I-405, SR-55 to I-605 - CMC Services
 Quantity/Cost: 1 @ \$1,350,000 FY19-02260
 Budget Request: \$ 1,350,000 IFAS#: 0037-9018-A9510-0DY

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Existing Agreement C-4-1447 with Jacobs Project Management Co. Consultant shall assist OCTA by providing staff assistance and technical expertise to manage the construction phase of the project and to administer the contract. Consultant management services include, but not limited to, administration of the construction contract, coordination of the activities of the contractor with the services of the project design engineer, performance of quality assurance inspections and management of independent quality assurance testing, preparation of daily construction activity reports, performance of control point and benchmark surveying, and communication between contractor and all other project participants. The Consultant shall also assist OCTA by processing, collecting, and maintaining of project communications and records, reviewing and recommending of contractor progress payments, processing of contract change order requests, implementing and processing contract change orders, and processing claims. The budget is for costs associated with these services for the express lanes of the project.

Please explain how you arrived at the budgeted dollars requested.

The budgeted dollars requested is based on the total projected expenditures for the fiscal year at a rate of 25% of the non-M2 funding to cover costs necessary to implement the express lanes for the project.

What phase of the project does this line item support?

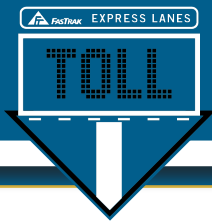
This line item will support the design and construction phases of work.

What phase of the project is this line item in, as of January 2, 2018?

Design and construction phases.

Is this line item rebudgeted from a prior fiscal year?

Yes.



Express Lanes

I-405 Express Lanes

405 Express Lanes

Division: 15 Capital Programs
OrgKey: 0037 I-405 Express Lane
Object: 9018 Const Manage Design/Build WIP

Description: I-405, SR-55 to I-605 - Caltrans Coop Agreement
Quantity/Cost: 1 @ \$750,000 FY19-02262
Budget Request: \$ 750,000 IFAS#: 0037-9018-A9510-0KM

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Existing Cooperative Agreement C-4-1847 with Caltrans. Work includes construction inspections services and enhanced oversight for the project, including right-of-way support services and right-of-way certification. The budget request is for costs associated with these services related to the express lanes of the project.

Please explain how you arrived at the budgeted dollars requested.

The budgeted dollars requested is based on the total projected expenditures for the fiscal year at a rate of 25% of the non-M2 funding necessary to implement the express lanes for the project.

What phase of the project does this line item support?

This line item will support the design and construction phases of work.

What phase of the project is this line item in, as of January 2, 2018?

Design and construction phases.

Is this line item rebudgeted from a prior fiscal year?

Yes.



I-405 Express Lanes

405 Express Lanes

Division: 01 Executive Office
 OrgKey: 0037 I-405 Express Lane
 Object: 9028 Cap Exp-Computer Hard/Software

Description: 405 Express Lanes Back Office System
 Quantity/Cost: 1 @ \$13,500,000 FY19-02853
 Budget Request: \$ 13,500,000 IFAS#: 0037-9028-A9510-1GO

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Development and implementation of a new back office/account management system for the 405 Express Lanes. Functionalities include operational processing of data for toll and trip calculation, automated replenishment of customer accounts, violation processing, and financial processes and reporting.

Please explain how you arrived at the budgeted dollars requested.

Based upon consultant's estimate.

What phase of the project does this line item support?

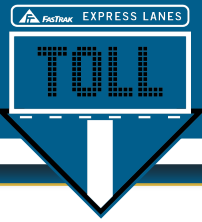
Development and implementation.

What phase of the project is this line item in, as of January 2, 2018?

Planning.

Is this line item rebudgeted from a prior fiscal year?

No.



Express Lanes

I-405 Express Lanes

405 Express Lanes

Division: 15 Capital Programs
OrgKey: 0037 I-405 Express Lane
Object: 9028 Cap Exp-Computer Hard/Software

Description: I-405, SR-55 to I-605 - TISI Contingency

Quantity/Cost: 1 @ \$250,000

FY19-02275

Budget Request: \$ 250,000

IFAS#: 0037-9028-A9510-GXM

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Scope of work includes the completion of the electronic toll and traffic management system design, installation, operation, and maintenance for the project. The budget request is for costs associated with changes during the completion of the electronic toll and traffic management systems related to the express lanes of the project.

Please explain how you arrived at the budgeted dollars requested.

The budgeted dollars requested is based on the projected expenditures for the fiscal year.

What phase of the project does this line item support?

This line item will support the design and construction phases of work.

What phase of the project is this line item in, as of January 2, 2018?

Design and construction phases.

Is this line item rebudgeted from a prior fiscal year?

No.



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Motorist Services					
Line Item Controlled Capital					
Org- Key	Department / Fund Name	Obj	Line Item Description	Budget	Page No.
SAFE					
Freeway Service Patrol (SAFE)					
0013	Svc Auth For Fwy Emerge	9028	Freeway Service Patrol Application Development	50,000	112
Subtotal Capital - Operations				\$ 50,000	



Express Lanes

SAFE

Freeway Service Patrol (SAFE)

Division: 11 Operations
 OrgKey: 0013 Svc Auth For Fwy Emergencies
 Object: 9028 Cap Exp-Computer Hard/Software

Description: Freeway Service Patrol Application Development
 Quantity/Cost: 1 @ \$50,000 FY19-01646
 Budget Request: \$ 50,000 IFAS#: 0013-9028-S1002-TC2

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

This item supports ongoing as-needed development of the Freeway Service Patrol LATATrax application. Potential projects include additional tablet functionality improvements, additional reports, and other technological improvement projects. Projects would be approved by the Project Manager as-needed and developed, based on a fixed-cost estimate for each project. This line item supports Xenatech Agreement C7-1557.

Please explain how you arrived at the budgeted dollars requested.

The budgeted amount is based on Xenatech Intelligent Transportation Solutions Programmer published rates and estimated programming hours required for sample projects. Funds would be utilized as needed and specifically approved by the Project Manager.

What phase of the project does this line item support?

Ongoing development and improvement of application functionality.

What phase of the project is this line item in, as of January 2, 2018?

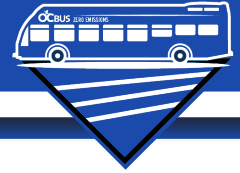
The current application is functional and in use for five years.

Is this line item rebudgeted from a prior fiscal year?

No, will be budgeted for additional ongoing development projects each year.



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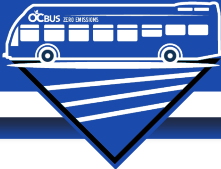


Bus					
Line Item Controlled Capital					
Org- Key	Department / Fund Name	Obj	Line Item Description	Budget	Page No.
Bus Base and Transit Center Projects					
0030	Orange County Transit Dis	9021	Land Acquisition - PE ROW in Garden Grove	1,520,000	117
1722	Facilities Engineering	9022	Replace Metal Siding and Framing at Bus Wash Building at Irvi	307,000	118
1722	Facilities Engineering	9022	Steam Clean Rack Hoist Replacement at Irvine Bus Base	150,000	119
1722	Facilities Engineering	9022	Restroom Walls and Plumbing Repairs at Irvine Base Bus Ops	150,000	120
1722	Facilities Engineering	9022	Electrical Service for Liquid Hydrogen Fueling Station at Santa	711,000	121
1722	Facilities Engineering	9022	Hydrogen Gas Detection and Ventilation for Buses at Santa A	415,000	122
1722	Facilities Engineering	9022	HVAC Unit Replacement at Anaheim Base Operations Buildin	450,000	123
1722	Facilities Engineering	9022	HV Unit Replacement at Anaheim Base Maintenance Building	480,000	124
1722	Facilities Engineering	9022	Emergency Back-Up Generator Replacement at Anaheim Bus	300,000	125
1722	Facilities Engineering	9022	Fullerton Park and Ride Restroom Door Security Enhancemen	50,000	126
1722	Facilities Engineering	9022	Light Pole and Luminaire Replacement at Goldenwest Transp	250,000	127
1722	Facilities Engineering	9022	Removal of Liquefied Natural Gas Underground Storage Tank	180,000	128
1722	Facilities Engineering	9022	Revitalization of Bus Platform & Canopies at Fullerton Transp	500,000	129
1722	Facilities Engineering	9022	Bus Wash Building Interior Finish Restoration	330,000	130
1722	Facilities Engineering	9022	Fire Protection Coating at Irvine Base Maintenance Building	250,000	131
1722	Facilities Engineering	9022	HVAC Unit Replacements at Garden Grove Base Maintenance	210,000	132
1722	Facilities Engineering	9022	Heating Unit Replacements at Garden Grove Base Maintenanc	29,000	133
1722	Facilities Engineering	9022	Roofing Replacement at Garden Grove Annex Lower Building	100,000	134
1722	Facilities Engineering	9022	Pedestrian Access to Santa Ana Base Operations Building	325,000	135
1722	Facilities Engineering	9022	Minor Rehabilitation and Repairs at Fullerton Park and Ride	70,000	136
1722	Facilities Engineering	9022	Reconstruction of Asphalt Pavement at Fullerton Park and Rid	50,000	137
1722	Facilities Engineering	9022	Design of VSS System at Anaheim and Irvine Bus Bases	250,000	138
1722	Facilities Engineering	9026	Security System Camera Upgrades at Santa Ana and Garden G	120,000	139
2128	Ops Planning & Schedulin	9022	Improve Customer Amenities	600,000	140
2147	Paratransit Support	9028	Trapeze DriverMate	178,645	141
2166	Facilities Maintenance Ad	9022	Park n Ride and Transportation Center Modernization	277,000	142
2166	Facilities Maintenance Ad	9022	LED Lighting for Anaheim and Sand Canyon Maintenance Bay	100,000	143
2166	Facilities Maintenance Ad	9022	Park n Ride and Transportation Center LED Lighting	100,000	144
2166	Facilities Maintenance Ad	9026	Bar Code Printing and Scanning Equipment	35,000	145
2194	Maint-Specialty Shops Ad	9026	Automated Wheel Repair and Polishing Machine	118,000	146
Bus Procurement / Engine Upgrades					
2114	Transit Technical Services	9024	Near Zero Engine Prototype for Articulated Buses	85,000	147
Transit Security & Operations Center					
0051	Transit Development Cap	9017	Transit Security & Operations Center Design.	1,701,074	148



Bus Program

Bus					
Line Item Controlled Capital					
Org- Key	Department / Fund Name	Obj	Line Item Description	Budget	Page No.
Transit Technology and Communications Capital					
1288	IS Transit Radio Support &	9028	On-Board Video Display Demonstration	79,000	149
1288	IS Transit Radio Support &	9028	ITMS Computing Hardware Refresh	600,000	150
1288	IS Transit Radio Support &	9028	ITMS Dispatch Call Recorder Computing Refresh	56,493	151
2159	Maintenance Resource M	9028	Ellipse Business Process Improvements	200,000	152
Subtotal Capital - Capital Programs				\$ 11,327,212	



Bus Base and Transit Center Projects

Division: 15 Capital Programs
OrgKey: 0030 Orange County Transit District
Object: 9021 Cap Exp-Land-Loc Funded

Description: Land Acquisition - PE ROW in Garden Grove
Quantity/Cost: 1 @ \$1,520,000 FY19-02400
Budget Request: \$ 1,520,000 IFAS#: 0030-9021-D2601-F30

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

The Orange County Transit District (OCTD) shall acquire three (3) parcels of vacant land. The parcels are located within OCTD/OCTA's Pacific Electric right-of-way, in the City of Garden Grove. The budget request is for costs associated with these services.

Please explain how you arrived at the budgeted dollars requested.

The budgeted dollars requested is based on appraised fair market value.

What phase of the project does this line item support?

None. Parcels are to be held as transit reserve for future use.

What phase of the project is this line item in, as of January 2, 2018?

N/A

Is this line item rebudgeted from a prior fiscal year?

Yes.



Bus Program

Bus Base and Transit Center Projects

Division: 15 Capital Programs
OrgKey: 1722 Facilities Engineering
Object: 9022 Cap Exp-Buildings/Imprvments

Description: Replace Metal Siding and Framing at Bus Wash Building at Irvine Base
Quantity/Cost: 1 @ \$307,000 FY19-01761
Budget Request: \$ 307,000 IFAS#: 1722-9022-D1401-0GV

Grant Funded: FTA 5337 Fixed Guideway/Bus Capital Assistance \$307,000
 Account: 0030-6049-D1401-LIK

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

This project is for replacement of metal siding and framing members at the bus wash building at Irvine Construction Circle base. The metal siding and steel structural framing member exhibit significant rusting and corrosion compromising the integrity of the materials due to exposure to moisture and cleaning materials. The work includes replacing corroded metal siding and repairing and replacing steel framing members. Also includes a required phasing of work and traffic control shown on the plans and in the specifications.

Please explain how you arrived at the budgeted dollars requested.

The cost was arrived at using cost history from similar past projects based on scope of work.

What phase of the project does this line item support?

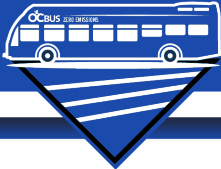
The construction phase.

What phase of the project is this line item in, as of January 2, 2018?

The bid phase.

Is this line item rebudgeted from a prior fiscal year?

Yes, but under existing contract.



Bus Base and Transit Center Projects

Division: 15 Capital Programs
OrgKey: 1722 Facilities Engineering
Object: 9022 Cap Exp-Buildings/Imprvments

Description: Steam Clean Rack Hoist Replacement at Irvine Bus Base
Quantity/Cost: 1 @ \$150,000 FY19-01885
Budget Request: \$ 150,000 IFAS#: 1722-9022-D1401-OMD

Grant Funded: FTA 5337 Fixed Guideway/Bus Capital Assistance \$150,000
Account: 0030-6049-D1401-LIK

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

This project is for replacement of the bus hoist at the steam clean rack area at Irvine Construction Circle Base used to safely clean bus chassis and engine bays. The existing hoist has deteriorated and is beyond its useful life and needs to be replaced. The work includes replacing the old hoist with a new unit and related work. Also includes a required phasing of work and traffic control shown on the plans and in the specifications.

Please explain how you arrived at the budgeted dollars requested.

The cost was arrived at using cost history from similar past projects based on scope of work.

What phase of the project does this line item support?

The construction phase.

What phase of the project is this line item in, as of January 2, 2018?

The scope of work for design phase.

Is this line item rebudgeted from a prior fiscal year?

No.



Bus Program

Bus Base and Transit Center Projects

Division: 15 Capital Programs
OrgKey: 1722 Facilities Engineering
Object: 9022 Cap Exp-Buildings/Imprvments

Description: Restroom Walls and Plumbing Repairs at Irvine Base Bus Ops Building
Quantity/Cost: 1 @ \$150,000 FY19-01832
Budget Request: \$ 150,000 IFAS#: 1722-9022-D1401-0ME

Grant Funded: FTA 5337 Fixed Guideway/Bus Capital Assistance \$150,000
 Account: 0030-6049-D1401-LIK

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

The scope of work is for repairing walls and plumbing between the men's and women's restrooms in the operations building at Irvine Construction Circle bus base. The existing wall between the restrooms is deteriorating causing the wall mounted toilets to leak and further weaken the wall, and the existing T-bar ceiling is deteriorated and needs to be replaced. The work includes repairing the wall and plumbing between the restrooms and associated work. Also includes a required phasing of work and traffic control shown on the plans and in the specifications.

Please explain how you arrived at the budgeted dollars requested.

The cost was arrived at using cost history from similar past projects based on scope of work.

What phase of the project does this line item support?

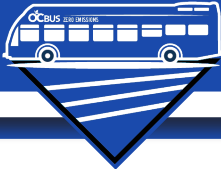
The construction phase.

What phase of the project is this line item in, as of January 2, 2018?

The design phase.

Is this line item rebudgeted from a prior fiscal year?

Yes.



Bus Base and Transit Center Projects

Division: 15 Capital Programs
OrgKey: 1722 Facilities Engineering
Object: 9022 Cap Exp-Buildings/Imprvments

Description: Electrical Service for Liquid Hydrogen Fueling Station at Santa Ana Base
Quantity/Cost: 1 @ \$711,000 FY19-01818
Budget Request: \$ 711,000 IFAS#: 1722-9022-D2157-0MO

Grant Funded: FTA 5337 Fixed Guideway/Bus Capital Assistance \$711,000
Account: 0030-6049-D2157-MIK

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

This project is for electrical service for a new liquid hydrogen fueling station at the Santa Ana base as part of a 10 bus pilot program funded by California Air Resources Board. The work includes installation of a new 277, 480V, 3-phase 600 amp electrical service panel and related conduit, primary and secondary wiring and transformer, South Coast Edison fees, and associated work. Also includes a required phasing of work and traffic control shown on the plans and in the specifications.

Please explain how you arrived at the budgeted dollars requested.

The cost was arrived at using cost history from similar past projects based on scope of work.

What phase of the project does this line item support?

The construction phase.

What phase of the project is this line item in, as of January 2, 2018?

The design phase.

Is this line item rebudgeted from a prior fiscal year?

Yes.



Bus Program

Bus Base and Transit Center Projects

Division: 15 Capital Programs
 OrgKey: 1722 Facilities Engineering
 Object: 9022 Cap Exp-Buildings/Imprvments

Description: Hydrogen Gas Detection and Ventilation for Buses at Santa Ana Base
 Quantity/Cost: 1 @ \$415,000 FY19-01819
 Budget Request: \$ 415,000 IFAS#: 1722-9022-D2157-OMP

Grant Funded: FTA 5337 Fixed Guideway/Bus Capital Assistance \$415,000
 Account: 0030-6049-D2157-MIK

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

This project is for modification of several maintenance shop service bays for compatibility with hydrogen fuel cell buses as part of a 10 bus pilot program funded by California Air Resources Board. The existing gas detection system utilizes infrared technology which is not compatible with the use of hydrogen gas, and the ventilation system needs to be assessed and modified to accommodate hydrogen buses. The work includes installation of catalytic bead type detectors, calibration, related control panel modifications and programming, and required assessment and modification of the ventilation system. Also includes a required phasing of work and traffic control shown on the plans and in the specifications.

Please explain how you arrived at the budgeted dollars requested.

The cost was arrived at using cost history from similar past projects based on scope of work.

What phase of the project does this line item support?

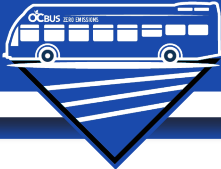
The construction phase.

What phase of the project is this line item in, as of January 2, 2018?

The design phase.

Is this line item rebudgeted from a prior fiscal year?

Yes.



Bus Base and Transit Center Projects

Division: 15 Capital Programs
OrgKey: 1722 Facilities Engineering
Object: 9022 Cap Exp-Buildings/Imprvments

Description: HVAC Unit Replacement at Anaheim Base Operations Building
Quantity/Cost: 1 @ \$450,000 FY19-01883
Budget Request: \$ 450,000 IFAS#: 1722-9022-D3103-058

Grant Funded: FTA 5337 Fixed Guideway/Bus Capital Assistance \$450,000
 Account: 0030-6049-D3103-MIK

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

This line item is for replacement of existing Heating, Ventilation, and Air Conditioning (HVAC) multizone packaged unit at Anaheim Base Operations Building. The existing unit is deteriorated and beyond its useful life. The work includes installation of a new energy efficient title 24 compliant HVAC heating unit and related work. Also includes a required phasing of work and traffic control shown on the plans and in the specifications.

Please explain how you arrived at the budgeted dollars requested.

The cost was arrived at using cost history from similar past projects based on scope of work.

What phase of the project does this line item support?

The construction phase.

What phase of the project is this line item in, as of January 2, 2018?

The scope of work for design phase.

Is this line item rebudgeted from a prior fiscal year?

No.



Bus Program

Bus Base and Transit Center Projects

Division: 15 Capital Programs
OrgKey: 1722 Facilities Engineering
Object: 9022 Cap Exp-Buildings/Imprvments

Description: HV Unit Replacement at Anaheim Base Maintenance Building
Quantity/Cost: 1 @ \$480,000 FY19-01872
Budget Request: \$ 480,000 IFAS#: 1722-9022-D3103-OAL

Grant Funded: FTA 5337 Fixed Guideway/Bus Capital Assistance \$480,000
 Account: 0030-6049-D3103-MIK

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

The project work includes replacement of six existing roof-mounted heating/ventilation units at the Anaheim base maintenance building. The existing heating units are 30 years old and beyond their useful service life. The work includes installation of new energy efficient Title 24 compliant heating units and related work. Also includes a required phasing of work and traffic control shown on the plans and in the specifications.

Please explain how you arrived at the budgeted dollars requested.

The cost was arrived at using cost history from similar past projects based on scope of work.

What phase of the project does this line item support?

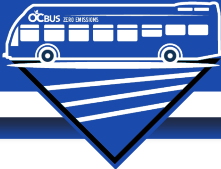
The construction phase.

What phase of the project is this line item in, as of January 2, 2018?

The design phase.

Is this line item rebudgeted from a prior fiscal year?

Yes.



Bus Base and Transit Center Projects

Division: 15 Capital Programs
OrgKey: 1722 Facilities Engineering
Object: 9022 Cap Exp-Buildings/Imprvments

Description: Emergency Back-Up Generator Replacement at Anaheim Bus Base
Quantity/Cost: 1 @ \$300,000 FY19-01981
Budget Request: \$ 300,000 IFAS#: 1722-9022-D3103-0M4

Grant Funded: FTA 5337 Fixed Guideway/Bus Capital Assistance \$300,000
Account: 0030-6049-D3103-MIK

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

This project is for replacement of existing emergency power standby generator at Anaheim Base Bus. The existing 300KW generator unit is 30 plus years old and in need of replacement. The work includes installation of a new energy efficient emergency power standby generator and related work in compliance with Southern California Air Quality Management District (SCAQMD). Also includes a required phasing of work and traffic control shown on the plans and in the specifications.

Please explain how you arrived at the budgeted dollars requested.

The cost was arrived at using cost history from similar past projects based on scope of work.

What phase of the project does this line item support?

The construction phase.

What phase of the project is this line item in, as of January 2, 2018?

The scope of work for design phase.

Is this line item rebudgeted from a prior fiscal year?

No.



Bus Program

Bus Base and Transit Center Projects

Division: 15 Capital Programs
OrgKey: 1722 Facilities Engineering
Object: 9022 Cap Exp-Buildings/Imprvments

Description: Fullerton Park and Ride Restroom Door Security Enhancements
Quantity/Cost: 1 @ \$50,000 FY19-02076
Budget Request: \$ 50,000 IFAS#: 1722-9022-D3107-19H

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Funds will be used to remove existing damaged restroom doors and replace them with heavy duty vandal proof gate and magnetic locking system.

Please explain how you arrived at the budgeted dollars requested.

Internet pricing and past estimates from contractors.

What phase of the project does this line item support?

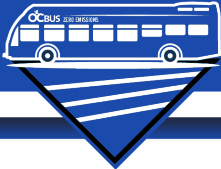
Funds will support all phases of the project.

What phase of the project is this line item in, as of January 2, 2018?

Project is in planning phase.

Is this line item rebudgeted from a prior fiscal year?

No.



Bus Base and Transit Center Projects

Division: 15 Capital Programs
OrgKey: 1722 Facilities Engineering
Object: 9022 Cap Exp-Buildings/Imprvments

Description: Light Pole and Luminaire Replacement at Goldenwest Transportation Center
Quantity/Cost: 1 @ \$250,000 FY19-01888
Budget Request: \$ 250,000 IFAS#: 1722-9022-D3118-0M6

Grant Funded: FTA 5337 Fixed Guideway/Bus Capital Assistance \$250,000
Account: 0030-6049-D3118-MJK

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

This project is for replacement of safety lighting poles and luminaires with new units at Goldenwest Transportation Center. The existing light poles are deteriorated, exhibit significant rusting and corrosion compromising the integrity of the materials. They are beyond their useful life and need to be replaced. The work includes replacing the light poles and installing new energy efficient light emitting diode (LED) luminaires and related work. Also includes a required phasing of work and traffic control shown on the plans and in the specifications.

Please explain how you arrived at the budgeted dollars requested.

The cost was arrived at using cost history from similar past projects based on scope of work.

What phase of the project does this line item support?

The construction phase.

What phase of the project is this line item in, as of January 2, 2018?

The scope of work for design phase.

Is this line item rebudgeted from a prior fiscal year?

No.



Bus Program

Bus Base and Transit Center Projects

Division: 15 Capital Programs
OrgKey: 1722 Facilities Engineering
Object: 9022 Cap Exp-Buildings/Imprvments

Description: Removal of Liquefied Natural Gas Underground Storage Tanks
Quantity/Cost: 1 @ \$180,000 FY19-01755
Budget Request: \$ 180,000 IFAS#: 1722-9022-D3120-OLF

Grant Funded: FTA 5337 Fixed Guideway/Bus Capital Assistance \$180,000
 Account: 0030-6049-D3120-MKK

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

The scope of work is for removal of liquefied natural gas (LNG) underground storage tanks and related appurtenances servicing the fuel buildings at Anaheim and Garden Grove bases. The work includes removal of two underground LNG storage tanks and related equipment at each base, which include concrete removal, excavation, concrete replacement and compliance with regulatory agencies of jurisdiction including Orange County Fire Authority (OCFA) and Orange County Health Care Agency (OCHCA), Anaheim Fire Department, and sampling and testing. Also includes a required phasing of work and traffic control shown on the plans and in the specifications.

Please explain how you arrived at the budgeted dollars requested.

The cost was arrived at using cost history from similar past projects based on scope of work.

What phase of the project does this line item support?

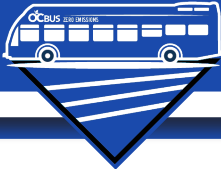
The construction phase.

What phase of the project is this line item in, as of January 2, 2018?

The Agreement processing phase (bid phase).

Is this line item rebudgeted from a prior fiscal year?

Yes, but under existing contract.



Bus Base and Transit Center Projects

Division: 15 Capital Programs
OrgKey: 1722 Facilities Engineering
Object: 9022 Cap Exp-Buildings/Imprvments

Description: Revitalization of Bus Platform & Canopies at Fullerton Transportation Center
Quantity/Cost: 1 @ \$500,000 FY19-01850
Budget Request: \$ 500,000 IFAS#: 1722-9022-D3120-0M1

Grant Funded: FTA 5337 Fixed Guideway/Bus Capital Assistance \$500,000
Account: 0030-6049-D3120-MKK

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

The scope of work is for revitalizing the bus dock platform and canopies at Fullerton Transportation Center. The existing amenities are deteriorated and in need of attention. The work includes removal and replacement of concrete flatwork on the bus dock platform, sandblasting, priming, and painting the metal canopies, new lighting, signage, bird screens. Also includes associated work as well as a required phasing of work and traffic control shown on the plans and in the specifications.

Please explain how you arrived at the budgeted dollars requested.

The cost was arrived at using cost history from similar past projects based on scope of work.

What phase of the project does this line item support?

The construction phase.

What phase of the project is this line item in, as of January 2, 2018?

The design phase.

Is this line item rebudgeted from a prior fiscal year?

Yes.



Bus Program

Bus Base and Transit Center Projects

Division: 15 Capital Programs
OrgKey: 1722 Facilities Engineering
Object: 9022 Cap Exp-Buildings/Imprvments

Description: Bus Wash Building Interior Finish Restoration
Quantity/Cost: 1 @ \$330,000 FY19-01976
Budget Request: \$ 330,000 IFAS#: 1722-9022-D3120-17K

Grant Funded: FTA 5337 Fixed Guideway/Bus Capital Assistance \$330,000
 Account: 0030-6049-D3120-MKK

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

The scope of work is for restoration of interior finish of bus washes at bus bases. The finish on existing interiors of bus washes are deteriorated and in need of attention. The work includes sandblasting, priming, and epoxy painting the metal decking and structural steel framing members to protect from further deterioration. Also includes associated work as well as a required phasing of work and traffic control shown on the plans and in the specifications.

Please explain how you arrived at the budgeted dollars requested.

The cost was arrived at using cost history from similar past projects based on scope of work.

What phase of the project does this line item support?

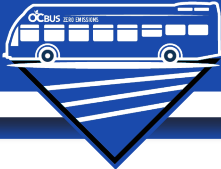
The construction phase.

What phase of the project is this line item in, as of January 2, 2018?

The scope of work for design phase.

Is this line item rebudgeted from a prior fiscal year?

No.



Bus Base and Transit Center Projects

Division: 15 Capital Programs
OrgKey: 1722 Facilities Engineering
Object: 9022 Cap Exp-Buildings/Imprvments

Description: Fire Protection Coating at Irvine Base Maintenance Building
Quantity/Cost: 1 @ \$250,000 FY19-01847
Budget Request: \$ 250,000 IFAS#: 1722-9022-D3121-OMB

Grant Funded: FTA 5337 Fixed Guideway/Bus Capital Assistance \$250,000
Account: 0030-6049-D3121-MKK

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

The scope of work is for replacement of fire protection coating on structural steel in the maintenance building at Irvine Sand Canyon base. The existing fire protective coating is deteriorated and lost bond with the structural steel framing members. The work includes application of new fire protective coating and associated work. Also includes a required phasing of work and traffic control shown on the plans and in the specifications.

Please explain how you arrived at the budgeted dollars requested.

The cost was arrived at using cost history from similar past projects based on scope of work.

What phase of the project does this line item support?

The construction phase.

What phase of the project is this line item in, as of January 2, 2018?

The design phase.

Is this line item rebudgeted from a prior fiscal year?

Yes.



Bus Program

Bus Base and Transit Center Projects

Division: 15 Capital Programs
 OrgKey: 1722 Facilities Engineering
 Object: 9022 Cap Exp-Buildings/Imprvments

Description: HVAC Unit Replacements at Garden Grove Base Maintenance Building
 Quantity/Cost: 1 @ \$210,000 FY19-01880
 Budget Request: \$ 210,000 IFAS#: 1722-9022-D3122-058

Grant Funded: FTA 5337 Fixed Guideway/Bus Capital Assistance \$210,000
 Account: 0030-6049-D3122-MKK

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

This project is for replacement of existing heating, ventilation, and air conditioning units at Garden Grove Base Bus Maintenance building, existing units are deteriorated and beyond their useful life. The work includes installation of new energy efficient Title 24 compliant heating units. Also includes a required phasing of work and traffic control shown on the plans and in the specifications.

Please explain how you arrived at the budgeted dollars requested.

The cost was arrived at using cost history from similar past projects based on scope of work.

What phase of the project does this line item support?

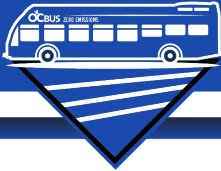
The construction phase.

What phase of the project is this line item in, as of January 2, 2018?

The design phase.

Is this line item rebudgeted from a prior fiscal year?

No.



Bus Base and Transit Center Projects

Division: 15 Capital Programs
OrgKey: 1722 Facilities Engineering
Object: 9022 Cap Exp-Buildings/Imprvments

Description: Heating Unit Replacements at Garden Grove Base Maintenance Building
Quantity/Cost: 1 @ \$29,000 FY19-01756
Budget Request: \$ 29,000 IFAS#: 1722-9022-D3122-0AL

Grant Funded: FTA 5337 Fixed Guideway/Bus Capital Assistance \$29,000
 Account: 0030-6049-D3122-MKK

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

The project work includes replacement of seven existing roof mounted heating units at the Garden Grove base maintenance building. The existing heating units are all broken and beyond their useful service life, currently there is no heating in the maintenance shop during the night shift. The work includes installation of new energy efficient Title 24 compliant heating units. Also includes a required phasing of work and traffic control shown on the plans and in the specifications.

Please explain how you arrived at the budgeted dollars requested.

The cost was arrived at using cost history from similar past projects based on scope of work.

What phase of the project does this line item support?

The construction phase.

What phase of the project is this line item in, as of January 2, 2018?

The construction phase.

Is this line item rebudgeted from a prior fiscal year?

Yes, but under existing contract.



Bus Program

Bus Base and Transit Center Projects

Division: 15 Capital Programs
OrgKey: 1722 Facilities Engineering
Object: 9022 Cap Exp-Buildings/Imprvments

Description: Roofing Replacement at Garden Grove Annex Lower Building
Quantity/Cost: 1 @ \$100,000 FY19-01837
Budget Request: \$ 100,000 IFAS#: 1722-9022-D3122-0MF

Grant Funded: FTA 5337 Fixed Guideway/Bus Capital Assistance \$100,000
 Account: 0030-6049-D3122-MKK

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

This line item is for replacement of roofing on the lower building at the Garden Grove Annex. The existing built-up roofing is deteriorated and beyond useful service life. The work includes installation of a new built-up roofing on the lower building, a required phasing of work, and traffic control shown on the plans and in the specifications.

Please explain how you arrived at the budgeted dollars requested.

The cost was arrived at using cost history from similar past projects based on scope of work.

What phase of the project does this line item support?

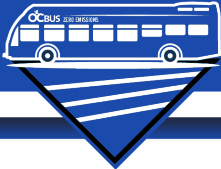
The construction phase.

What phase of the project is this line item in, as of January 2, 2018?

The design phase.

Is this line item rebudgeted from a prior fiscal year?

Yes.



Bus Base and Transit Center Projects

Division: 15 Capital Programs
OrgKey: 1722 Facilities Engineering
Object: 9022 Cap Exp-Buildings/Imprvments

Description: Pedestrian Access to Santa Ana Base Operations Building
Quantity/Cost: 1 @ \$325,000 FY19-01839
Budget Request: \$ 325,000 IFAS#: 1722-9022-D3126-OKZ

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

This project is for pedestrian access to the operations building at Santa Ana base. Pedestrian access is needed from MacArthur Blvd. to the operations building so employees who ride the bus to work can safely walk to the operations building. The work includes installing a new access-controlled pedestrian entrance gate in the existing concrete block wall and related walking pathway. Also includes a required phasing of work and traffic control shown on the plans and in the specifications.

Please explain how you arrived at the budgeted dollars requested.

The cost was arrived at using cost history from similar past projects based on scope of work.

What phase of the project does this line item support?

The construction phase.

What phase of the project is this line item in, as of January 2, 2018?

The design phase.

Is this line item rebudgeted from a prior fiscal year?

Yes.



Bus Program

Bus Base and Transit Center Projects

Division: 15 Capital Programs
OrgKey: 1722 Facilities Engineering
Object: 9022 Cap Exp-Buildings/Imprvments

Description: Minor Rehabilitation and Repairs at Fullerton Park and Ride
Quantity/Cost: 1 @ \$70,000 FY19-01762
Budget Request: \$ 70,000 IFAS#: 1722-9022-D3139-08P

Grant Funded:	<input checked="" type="checkbox"/> FTA Sec 5307 Capital Assistanc	\$61,223
Account:	0030-6042-D3139-LKK	
Grant Funded:	<input checked="" type="checkbox"/> FTA Sec 5307 Capital Assistanc	\$8,777
Account:	0030-6042-D3139-LKK	

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

This project is for a minor rehabilitation: replacing tiles at the restrooms, replacing signs and Americans with Disabilities Act (ADA) tactile warning tile at the bus docks at Fullerton Park and Ride facility. The tile at the restroom walls is deteriorated and is falling off the walls which is a public safety hazard, the signage at the bus dock canopy is old, deteriorated, and needs to be replaced in a higher mounted location to help mitigate graffiti, the ADA tactile warning tile is old, deteriorated and is lifting creating tripping hazards which is a public safety hazard and needs to be replaced. The work includes removing and replacing restroom wall tiles, bus dock canopy signage, and ADA tactile warning tile. Also includes a required phasing of work and traffic control shown on the plans and in the specifications.

Please explain how you arrived at the budgeted dollars requested.

The cost was arrived at using cost history from similar past projects based on scope of work.

What phase of the project does this line item support?

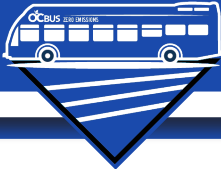
The construction phase.

What phase of the project is this line item in, as of January 2, 2018?

The bid phase.

Is this line item rebudgeted from a prior fiscal year?

Yes, but under existing contract.



Bus Base and Transit Center Projects

Division: 15 Capital Programs
OrgKey: 1722 Facilities Engineering
Object: 9022 Cap Exp-Buildings/Imprvments

Description: Reconstruction of Asphalt Pavement at Fullerton Park and Ride
Quantity/Cost: 1 @ \$50,000 FY19-01887
Budget Request: \$ 50,000 IFAS#: 1722-9022-D3139-TX3

Grant Funded: FTA Sec 5307 Capital Assistanc \$50,000
Account: 0030-6042-D3139-LKK

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

The scope of work includes reconstruction of asphalt pavement in two user parking bays at the Fullerton Park and Ride facility. The pavement area in the parking lot is deteriorated and needs to be replaced. The work includes removing existing pavement, processing the subgrade, placing aggregate base and asphalt pavement, and new striping. Also includes a required phasing of work and traffic control shown on the plans and in the specifications.

Please explain how you arrived at the budgeted dollars requested.

The cost was arrived at using cost history from similar past projects based on scope of work.

What phase of the project does this line item support?

The construction phase.

What phase of the project is this line item in, as of January 2, 2018?

The design phase.

Is this line item rebudgeted from a prior fiscal year?

Yes.



Bus Program

Bus Base and Transit Center Projects

Division: 15 Capital Programs
OrgKey: 1722 Facilities Engineering
Object: 9022 Cap Exp-Buildings/Imprvments

Description: Design of VSS System at Anaheim and Irvine Bus Bases
Quantity/Cost: 1 @ \$250,000 FY19-02816
Budget Request: \$ 250,000 IFAS#: 1722-9022-D3144-1FP

Grant Funded: Prop 1B Capital \$250,000
 Account: 0030-6020-D3144-XHR

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

This budget line item is for design services for installation of a new video surveillance system (VSS) at OCTA's Anaheim, Irvine Sand Canyon, and Irvine Construction Circle bus bases. OCTA is requesting a cost proposal from the Consultant to provide design, request for proposal (RFP) support, and installation monitoring services for installation of a new VSS at OCTA's Anaheim, Irvine Sand Canyon, and Irvine Construction Circle bus base.

Please explain how you arrived at the budgeted dollars requested.

The cost was arrived at using cost history from similar past projects based on scope of work.

What phase of the project does this line item support?

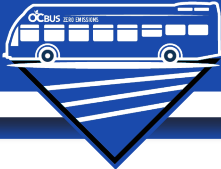
This line item mainly supports the design and RFP scope of work/specification document phase, there is also some minor support during the RFP proposal phase with respect to proposer technical questions, and the installation phase with respect to monitoring and final acceptance of the installation.

What phase of the project is this line item in, as of January 2, 2018?

Scope of work development

Is this line item rebudgeted from a prior fiscal year?

No



Bus Base and Transit Center Projects

Division: 15 Capital Programs
OrgKey: 1722 Facilities Engineering
Object: 9026 Cap Exp-Tools/Equipment

Description: Security System Camera Upgrades at Santa Ana and Garden Grove Bases
Quantity/Cost: 1 @ \$120,000 FY19-01769
Budget Request: \$ 120,000 IFAS#: 1722-9026-D3126-05S

Grant Funded: FTA Sec 5309/5339 Cap Assist \$96,000
Account: 0030-6041-D3126-MAP
Grant Funded: Prop 1B Capital \$24,000
Account: 0030-6020-D3126-XHR

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

This line item will support upgrading the Video Surveillance System (VSS) at Santa Ana and Garden Grove bus bases. Currently, the camera system at Santa Ana and Garden Gove bases are outdated and in need of replacement. The Santa Ana base cameras need to be upgraded to current Internet Protocol (IP) camera technology. The Garden Grove base cameras are a mix of old analog cameras and outdated IP cameras, many of which are functional and in need of replacement. The system would provide an increased deterrent to crime, support having a safe working environment and increased detection and/or evidence for the prosecution of crimes committed on property. Remote monitoring is a built-in feature for possible future needs as the system would provide first layer of detection for base entrance points and building access points. The work includes installation of new IP cameras for security, servers for 30 days storage, and required site modifications to accommodate the VSS camera placement. Also includes a required phasing of work and traffic control shown on the plans and in the specifications.

Please explain how you arrived at the budgeted dollars requested.

The cost was arrived at using design consultant cost estimate.

What phase of the project does this line item support?

RFP installation phase.

What phase of the project is this line item in, as of January 2, 2018?

RFP release phase.

Is this line item rebudgeted from a prior fiscal year?

Yes, but under existing contract.



Bus Program

Bus Base and Transit Center Projects

Division: 11 Operations
OrgKey: 2128 Ops Planning & Scheduling
Object: 9022 Cap Exp-Buildings/Imprvments

Description: Improve Customer Amenities
Quantity/Cost: 1 @ \$600,000 FY19-01696
Budget Request: \$ 600,000 IFAS#: 2128-9022-D4901-N5A

Grant Funded: FTA Sec 5307 Operating Assist \$480,000
 Account: 0030-6032-D4901-LEJ

Please write a scope of work for this line item that could be used for procurement. Include a work plan identifying tasks or deliverables.

The Improved Customer Amenities Program is designed to enhance public transportation service or use and includes projects that are related to public transportation facilities. The Associated Transit Enhancement Project is grant funded through a Federal Transit Administration (FTA) Section 5307 grant (FTA Section 5307 Associated Transit Enhancement Funds). These funds are a mandatory 1 percent setback for transit projects, and are included in the Program of Projects (POP).

What are the qualifications required for this line item? Example: Expert-level JAVA programmer to enhance website.

Professional and technical development and design of bus stop signs, testing and usability testing, production of signage, and installation of bus and ACCESS signage.

Please explain how you arrived at the budgeted dollars requested.

Budget is based on approximately 5,500 bus stops and 500 ACCESS stops.

What phase of the project does this line item support?

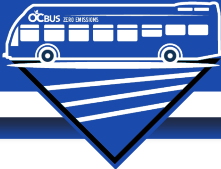
Phase II, Design, Production and Implementation

What phase of the project is this line item currently in, as of January 2, 2018?

Phase I Design.

Is this line item rebudgeted from a prior fiscal year?

Yes



Bus Base and Transit Center Projects

Division: 11 Operations
OrgKey: 2147 Paratransit Support
Object: 9028 Cap Exp-Computer Hard/Software

Description: Trapeze DriverMate
Quantity/Cost: 1 @ \$178,645 FY19-01778
Budget Request: \$ 178,645 IFAS#: 2147-9028-D4102-11M

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Trapeze DriverMate is an affordable, easy to deploy alternative to demand response mobile computing. It uses handheld devices such as tablets to connect vehicles, the dispatch center and the 'back office' in real-time. DriverMate integrates mobile, communication and enterprise technologies to enable instant, on-the-fly decision making, as well as long-range planning.

Please explain how you arrived at the budgeted dollars requested.

Budget estimate based on draft Trapeze quote:

\$163,436 for the products and services for 100 units
\$15,209 for the annual software maintenance & support

What phase of the project does this line item support?

Initial purchase

What phase of the project is this line item in, as of January 2, 2018?

Request for proposal

Is this line item rebudgeted from a prior fiscal year?

No



Bus Program

Bus Base and Transit Center Projects

Division: 11 Operations
OrgKey: 2166 Facilities Maintenance Admin
Object: 9022 Cap Exp-Buildings/Imprvments

Description: Park n Ride and Transportation Center Modernization
Quantity/Cost: 1 @ \$277,000 FY19-02079
Budget Request: \$ 277,000 IFAS#: 2166-9022-D3107-02W

Grant Funded: FTA 5337 Fixed Guideway/Bus Capital Assistance \$200,000
 Account: 0030-6049-D3107-MJK

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Funds will be used to return OCTA's seven Park n Rides and Transit Centers to a state of good repair as required by Federal Transit Administration Transit Asset Management Plan. Many repairs will be guided by the Transit Center Modernization and parking study that was recently completed. Facilities are working with other departments to implement recommended solutions/improvements.

Please explain how you arrived at the budgeted dollars requested.

The budgeted amount was based on an estimate. Now that the Transit Center Modernization and Parking Study has been completed, OCTA will be able to develop costs for the individual projects.

What phase of the project does this line item support?

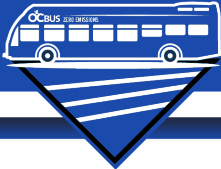
Project implementation.

What phase of the project is this line item in, as of January 2, 2018?

The project is in the conception and initiation stage of the project.

Is this line item rebudgeted from a prior fiscal year?

No. This item is for a different phase of the project.



Bus Base and Transit Center Projects

Division: 11 Operations
OrgKey: 2166 Facilities Maintenance Admin
Object: 9022 Cap Exp-Buildings/Imprvments

Description: LED Lighting for Anaheim and Sand Canyon Maintenance Bays
Quantity/Cost: 1 @ \$100,000 FY19-01672
Budget Request: \$ 100,000 IFAS#: 2166-9022-D3107-106

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Facilities Maintenance is requesting an Light Emitting Diode (LED) lighting upgrade to the high bay lighting for Anaheim and Irvine Sand Canyon Bases from metal halite to cost effective and brighter LED lighting.

Please explain how you arrived at the budgeted dollars requested.

Budgeted amount is based on past procurement from purchase order A37739.

What phase of the project does this line item support?

The procurement of the LED lighting supports the execution phase of the project for Anaheim and Irvine Sand Canyon Bases

What phase of the project is this line item in, as of January 2, 2018?

As of January 2, 2018 the project is in the planning phase.

Is this line item rebudgeted from a prior fiscal year?

No



Bus Program

Bus Base and Transit Center Projects

Division: 11 Operations
 OrgKey: 2166 Facilities Maintenance Admin
 Object: 9022 Cap Exp-Buildings/Imprvments

Description: Park n Ride and Transportation Center LED Lighting
 Quantity/Cost: 1 @ \$100,000 FY19-02077
 Budget Request: \$ 100,000 IFAS#: 2166-9022-D3107-19I

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Funds will be used to upgrade lighting at Fullerton Park and Ride, Goldenwest Transportation Center and Laguna Hill Transportation center to Light Emitting Diode (LED) lighting.

Please explain how you arrived at the budgeted dollars requested.

Budget was developed based on past projects, estimated from current lighting contracted vender.

What phase of the project does this line item support?

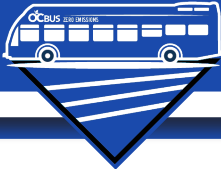
Funds will support planning and execution phases of the project.

What phase of the project is this line item in, as of January 2, 2018?

Project is in the planning phase as of January 2, 2018.

Is this line item rebudgeted from a prior fiscal year?

No.



Bus Base and Transit Center Projects

Division: 11 Operations
OrgKey: 2166 Facilities Maintenance Admin
Object: 9026 Cap Exp-Tools/Equipment

Description: Bar Code Printing and Scanning Equipment
Quantity/Cost: 1 @ \$35,000 FY19-01658
Budget Request: \$ 35,000 IFAS#: 2166-9026-D3107-10G

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Facilities Maintenance and the Maintenance Department are moving toward a mobility maintenance system where a employee can scan into a work order or access equipment data. To accomplish this, we are seeking bar code printing equipment capable of producing a durable bar code tag and that can withstand extremes in temperature, chemicals, solvents and ultraviolet fading. This equipment may be used by other departments.

Please explain how you arrived at the budgeted dollars requested.

Equipment was researched on internet and company web sites.

What phase of the project does this line item support?

This procurement supports the execution phase of the project.

What phase of the project is this line item in, as of January 2, 2018?

As of January 2, 2018 this project is in the planning and execution phase.

Is this line item rebudgeted from a prior fiscal year?

No



Bus Program

Bus Base and Transit Center Projects

Division: 11 Operations
OrgKey: 2194 Maint-Specialty Shops Admin
Object: 9026 Cap Exp-Tools/Equipment

Description: Automated Wheel Repair and Polishing Machine
Quantity/Cost: 1 @ \$118,000 FY19-01607
Budget Request: \$ 118,000 IFAS#: 2194-9026-D2108-101

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

The funds are requested to purchase an Automated Wheel Repair and Polishing machine. Wheel polishing is necessary to maintain OCTA quality standards for appearance. Repairs are made to wheel edges, so that tires can be mounted without damaging the new tires. The Automated Wheel Repair and Polishing will save the Authority in turnaround time and money over the course of the machines' life.

The Authority has spent approximately \$30,000 per year on a contracted wheel polishing/refurbishing vendor.

No additional maintenance staff is required to operate the Automated Wheel Repair and Polishing machine. Current maintenance staff who operate the computer numerical control drum-cutting machine will also operate the new machine.

Please explain how you arrived at the budgeted dollars requested.

The amount is based on the average unit cost of \$100,000, plus a full maintenance contract, and installation.

What phase of the project does this line item support?

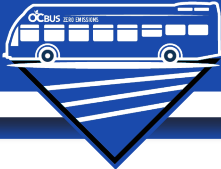
N/A

What phase of the project is this line item in, as of January 2, 2018?

N/A

Is this line item rebudgeted from a prior fiscal year?

No



Bus Procurement / Engine Upgrades

Division: 11 Operations
OrgKey: 2114 Transit Technical Services
Object: 9024 Cap Exp-Revenue Vehicles

Description: Near Zero Engine Prototype for Articulated Buses
Quantity/Cost: 1 @ \$85,000 FY19-01660
Budget Request: \$ 85,000 IFAS#: 2114-9024-D2108-TZZ

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

The oldest fleet of articulated buses, 2013 vintage year, are experiencing premature engine failures, and as such, it is recommended to develop and evaluate the introduction of the Near Zero (NZ) Cummins engine in that segment of the fleet. The NZ is a low Nitrogen Oxides (Nox) Cummins engine (nine times cleaner than existing engines.)

The timeline for the engine acquisition, the prototyping and securing Cummins Engineering Approval, via the Installation Quality Audits (IQA), usually takes almost a calendar year. As such, this will be the blueprint for a potential future engine replacement program in that segment of the OCTA Fleet on subsequent fiscal years.

Additionally, due to the underpowered nature of the existing 8.9 Liter (Ltr) engine, when coupled on an articulated bus, this project also considers a potential partnership with Cummins and New Flyer to evaluate the introduction of the ISX12N Cummins engine which, will be more suited for the demanding duty cycle of the articulated buses. Cummins is scheduling the release of the 12 Ltr engine during the 2018 calendar year.

Please explain how you arrived at the budgeted dollars requested.

Price was quoted from current engine manufacturer.

What phase of the project does this line item support?

Engine Prototype.

What phase of the project is this line item in, as of January 2, 2018?

N/A.

Is this line item rebudgeted from a prior fiscal year?

No.



Bus Program

Transit Security & Operations Center

Division: 15 Capital Programs
OrgKey: 0051 Transit Development Cap Proj
Object: 9017 Construction Design/Build WIP

Description: Transit Security & Operations Center Design.
Quantity/Cost: 1 @ \$1,701,074 FY19-01816
Budget Request: \$ 1,701,074 IFAS#: 0051-9017-D3143-OLG

Grant Funded: Prop 1B Capital \$1,701,074
 Account: 0051-6020-D3143-XGR

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

This project supports the development activities needed to replace the Garden Grove Annex, which houses OCTA's Transit Police Services, Operations Support, and Central Communications Center. Engineering studies have determined that the structure is not seismically safe and cannot be retrofitted to achieve the continuous operation standard required of essential facilities in California. Once completed, this multi-phased project will ensure the survivability of OCTA's interoperable communications capability so that essential emergency responses services can be provided to the community.

Please explain how you arrived at the budgeted dollars requested.

The cost was estimated using a percentage of project cost methodology using cost history from similar past projects based on scope of work.

What phase of the project does this line item support?

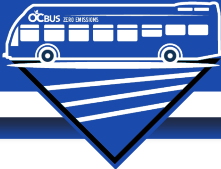
The design phase.

What phase of the project is this line item in, as of January 2, 2018?

Preliminary engineering and environmental clearance phase.

Is this line item rebudgeted from a prior fiscal year?

Yes.



Transit Technology and Communications Capital

Division: 02 Finance and Administration
OrgKey: 1288 IS Transit Radio Support & Maintenance
Object: 9028 Cap Exp-Computer Hard/Software

Description: On-Board Video Display Demonstration

Quantity/Cost: 1 @ \$79,000

FY19-02015

Budget Request: \$ 79,000

IFAS#: 1288-9028-D0001-0E6

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

All OCTA buses are equipped with an On-Board Video Surveillance System which uses cameras and microphones in conjunction with a digital recorder to document activities in and around the buses. Bus riders are made aware of the system through signage and the cameras throughout the bus, however; they become used to the sight of the cameras and doubt that any recording is actually being done. This budget will allow for a demonstration of 10 to 20 buses to be equipped with video monitors placed in strategic locations in the bus which will show what the cameras are recording. This way the passengers will be reminded that their actions and identities are being recorded. We will place the buses, mingled with non-equipped buses on one of our routes that has high incidents of passenger problems. At the end of a six month trial, data will be compared between equipped vs. non-equipped buses to see if a fleet-wide implementation makes sense in the future.

Please explain how you arrived at the budgeted dollars requested.

Research and discussions with other transit agencies.

What phase of the project does this line item support?

Design and implementation.

What phase of the project is this line item in, as of January 2, 2018?

Not yet started.

Is this line item rebudgeted from a prior fiscal year?

No



Bus Program

Transit Technology and Communications Capital

Division: 02 Finance and Administration
OrgKey: 1288 IS Transit Radio Support & Maintenance
Object: 9028 Cap Exp-Computer Hard/Software

Description: ITMS Computing Hardware Refresh

Quantity/Cost: 1 @ \$600,000

FY19-01994

Budget Request: \$ 600,000

IFAS#: 1288-9028-D1111-17X

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

OC Street Car is dependent upon the Intelligent Transportation Management System (ITMS) core upgrade. The ITMS computing hardware platform was purchased in 2010 and is now outdated on the server/storage hardware components. The storage for the ITMS is no longer supported. Due to timing this needs to be completed to allow enough time for the ITMS core upgrade.

Please explain how you arrived at the budgeted dollars requested.

Quotes from Conduent and outside vendors

What phase of the project does this line item support?

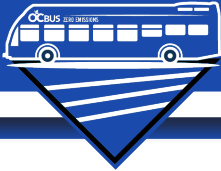
Production Intelligent Transportation Management System

What phase of the project is this line item in, as of January 2, 2018?

Planning

Is this line item rebudgeted from a prior fiscal year?

No



Transit Technology and Communications Capital

Division: 02 Finance and Administration
OrgKey: 1288 IS Transit Radio Support & Maintenance
Object: 9028 Cap Exp-Computer Hard/Software

Description: ITMS Dispatch Call Recorder Computing Refresh
Quantity/Cost: 1 @ \$56,493 FY19-02002
Budget Request: \$ 56,493 IFAS#: 1288-9028-D1111-180

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Intelligent Transportation Management System (ITMS) Dispatch Radio Call Recorder. The current Radio Call Recorder is outdated and is no longer receiving support on this critical piece of infrastructure. OCTA can no longer access archived calls from 3-4 years ago. This has already caused several problems involving risk management unable to get call detail from archives older than 3-4 years. This equipment needs replacement.

Please explain how you arrived at the budgeted dollars requested.

Sole Source Quote from Conduent.

What phase of the project does this line item support?

Production

What phase of the project is this line item in, as of January 2, 2018?

Planning

Is this line item rebudgeted from a prior fiscal year?

No



Bus Program

Transit Technology and Communications Capital

Division: 11 Operations
 OrgKey: 2159 Maintenance Resource Managemnt
 Object: 9028 Cap Exp-Computer Hard/Software

Description: Ellipse Business Process Improvements

Quantity/Cost: 1 @ \$200,000

FY19-01661

Budget Request: \$ 200,000

IFAS#: 2159-9028-D2108-05H

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

As the Maintenance Department tests and uses the new features of the software upgrade, changes become necessary. In order to make changes to the software, additional funds are needed to implement the process improvements. There are several issues found at go-live. Many of these issues were not in the current software version and will be in future enhancements.

Maintenance has found the following issues and requested enhancements:

Display work orders in date order, use of work requests, automatic date entry in fields, develop a process for asset condition assessment, review and develop work assignment process, work progress monitoring, auto requisitioning for project managers and rebuilds, improve work order planning detail, update completion codes, etc.

Please explain how you arrived at the budgeted dollars requested.

This is an estimate from the Information Systems Department.

What phase of the project does this line item support?

Continuous process improvements.

What phase of the project is this line item in, as of January 2, 2018?

Software Upgrade Complete.

Is this line item rebudgeted from a prior fiscal year?

No.



OCTA

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Non-Program Specific Line Item Controlled Capital					
Org- Key	Department / Fund Name	Obj	Line Item Description	Budget	Page No.
General Fund Administrative Expenses					
0001	General Fund	9021	Property Clearance Services - Lincoln Avenue in Anaheim	1,150,000	156
1285	E'prise Comp Solut'n & Su	9028	Electronic Timesheet Implementation	150,000	157
Technical Infrastructure and Business Systems Support					
1281	IS Administration	9028	Firewalls for Colocation Data Center	81,000	158
1283	IS Technology & User Sup	9028	Unified Communications Colocation Equipment	22,000	159
1283	IS Technology & User Sup	9028	Copier Replacement	41,300	160
1284	IS Technical Services	9028	Data Center Co-Location Hardware & Software	1,530,447	161
1284	IS Technical Services	9028	Rubrik Backup, Archive, and Disaster Recovery Infrastructure	175,000	162
1285	E'prise Comp Solut'n & Su	9028	OTS Replacement	200,000	163
Subtotal Capital - Capital Programs				\$ 3,349,747	



Administration

General Fund Administrative Expenses

Division: 15 Capital Programs
OrgKey: 0001 General Fund
Object: 9021 Cap Exp-Land-Loc Funded

Description: Property Clearance Services - Lincoln Avenue in Anaheim

Quantity/Cost: 1 @ \$1,150,000

FY19-02583

Budget Request: \$ 1,150,000

IFAS#: 0001-9021-F1110-F01

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Demolish and clear above ground structures from the OCTA-owned property located at 1510 - 1520 W. Lincoln Avenue, Anaheim and relocate building tenants on said property. The budget request is for costs associated with these services.

Please explain how you arrived at the budgeted dollars requested.

The budgeted dollars requested is based on industry standards for size and types of structures to be demolished and cleared from the parcel.

What phase of the project does this line item support?

This line item will support the project close-out phase.

What phase of the project is this line item in, as of January 2, 2018?

Project close-out phase.

Is this line item rebudgeted from a prior fiscal year?

Yes.



General Fund Administrative Expenses

Division: 02 Finance and Administration
 OrgKey: 1285 E'prise Comp Solut'n & Suprt
 Object: 9028 Cap Exp-Computer Hard/Software

Description: Electronic Timesheet Implementation
 Quantity/Cost: 1 @ \$150,000 FY19-01748
 Budget Request: \$ 150,000 IFAS#: 1285-9028-A5351-7F3

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Currently, OCTA is using paper timesheets to track time and cost center for bi-weekly payroll processing. OCTA is seeking to move to online or electronic timesheet entry in an effort to reduce the double entry of employee time and cost centers. OCTA has conducted an electronic timesheet study and has found there are several vendors who should be able to address these requirements with their software.

The new electronic timekeeping software will allow for online time and cost center entry along with an approvals workflow. Additionally, it will interface with our Lawson payroll application to eliminate the bi-weekly paper employee timesheet entry.

This was a finding in the Planning For Your Future survey and the primary users of this new software will be all OCTA Administrative staff.

Please explain how you arrived at the budgeted dollars requested.

This is calculated based on the previous years' history, average, and patterns of expenditures for similar application replacements and implementations and the estimates received from the timesheet study that was conducted.

What phase of the project does this line item support?

This item will support the project through all phases: starting with planning, and going through project completion and release to operation.

What phase of the project is this line item in, as of January 2, 2018?

Planning

Is this line item rebudgeted from a prior fiscal year?

No



Administration

Technical Infrastructure and Business Systems Support

Division: 02 Finance and Administration

OrgKey: 1281 IS Administration

Object: 9028 Cap Exp-Computer Hard/Software

Description: Firewalls for Colocation Data Center

Quantity/Cost: 2 @ \$40,500

FY19-01869

Budget Request: \$ 81,000

IFAS#: 1281-9028-IX061-150

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

This hardware is required to protect the network in the co-located data center and includes the three year warranty and expansion packs.

Please explain how you arrived at the budgeted dollars requested.

Budget is based on estimates from resellers.

What phase of the project does this line item support?

Implementation.

What phase of the project is this line item in, as of January 2, 2018?

Project is not started.

Is this line item rebudgeted from a prior fiscal year?

No.



Technical Infrastructure and Business Systems Support

Division: 02 Finance and Administration
 OrgKey: 1283 IS Technology & User Support
 Object: 9028 Cap Exp-Computer Hard/Software

Description: Unified Communications Colocation Equipment
 Quantity/Cost: 1 @ \$22,000 FY19-01958
 Budget Request: \$ 22,000 IFAS#: 1283-9028-A5352-17F

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

For purchase of two session border controllers with survivable branch appliances which will be needed when the Orange Data Center is moved to a colocation site.

Please explain how you arrived at the budgeted dollars requested.

Based on the previous purchases of similar equipment for OCTA and the 91 Express Lanes.

What phase of the project does this line item support?

Installation, user acceptance testing, and implementation. It is important to note that this must be completed before the data center moves to the colocation site.

What phase of the project is this line item in, as of January 2, 2018?

The specifications will be standard for these items; but the specifics and model numbers will change due to changes in the industry before we are ready to purchase these. Once the colocation project schedule is established, this procurement will move forward using the industry specifications available at that time.

Is this line item rebudgeted from a prior fiscal year?

No



Administration

Technical Infrastructure and Business Systems Support

Division: 02 Finance and Administration
OrgKey: 1283 IS Technology & User Support
Object: 9028 Cap Exp-Computer Hard/Software

Description: Copier Replacement

Quantity/Cost: 1 @ \$41,300

FY19-01865

Budget Request: \$ 41,300

IFAS#: 1283-9028-A5352-GEY

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

To replace five black and white copiers. The black and white copiers are eight years old and the maintenance vendor can no longer get parts to repair the copiers.

Please explain how you arrived at the budgeted dollars requested.

Obtained a quote from an authorized vendor currently providing maintenance on the copiers.

What phase of the project does this line item support?

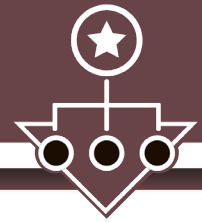
This line item represents the first phase of the copier replacement project. Phase 2 will be pushed out one or two years.

What phase of the project is this line item in, as of January 2, 2018?

We are in the planning stages of this project.

Is this line item rebudgeted from a prior fiscal year?

No.



Technical Infrastructure and Business Systems Support

Division: 02 Finance and Administration
 OrgKey: 1284 IS Technical Services
 Object: 9028 Cap Exp-Computer Hard/Software

Description: Data Center Co-Location Hardware & Software

Quantity/Cost: 1 @ \$1,530,447

FY19-02038

Budget Request: \$ 1,530,447

IFAS#: 1284-9028-A5352-18I

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Our existing Data Center Computing Hardware (compute, memory, and storage) is aged and in need of being replaced irrespective of plans to relocate the data center. Most of our compute capacity is at or near end of life (EOL). The existing equipment compute & memory capacity is at, or over, capacity, and the technology being used is out-of-date. These factors cause increased costs in maintenance and support.

The storage, while still having two years of useful life remaining cannot be in two physical locations at once. Reuse of storage would require a complete shutdown of the existing data center, which would dramatically increase the risk to operations and greatly increase the costs to move beyond the purchase price of replacement storage. IS would need to contract external help in moving the entire data center. Operations would need to operate mostly manually during this time period. If replacement storage is procured, as recommended by this line item, then applications can be migrated individually in a more orderly fashion. Disruption to operations would be minimized and most applications could be moved in real time with little to no downtime.

Moving the existing equipment to the co-location facility would also increase costs as co-location data center costs are charged based upon the amount of physical equipment, the electricity used and the cooling costs. The older equipment, 5-7 years old, is far larger, and requires much more electricity and cooling to operate. The newer equipment would take 1/3 the space and electrical power and cooling would like be at least 1/2 the cost to run the existing equipment.

The equipment proposed as the basis for this line item also has other significant advantages and cost savings associated with it. Among them are: Increased capacity for compute, memory and storage – equipment was sized to meet the existing compute, memory and storage requirements with 3 years normal growth. This equipment comes with ability and licensing to replace the virtualization environment we currently use at no additional cost. Over the 7 years useful life of this equipment, OCTA would save over \$800,000 in license costs. Warranty and support costs for the next 3 years are included and that would save OCTA an additional \$100,000 per year over what we are paying to support the existing equipment. Factoring licensing and support cost savings alone, the equipment pays for itself over the service life of the equipment.

Please explain how you arrived at the budgeted dollars requested.

Quotes from vendors and industry research.

What phase of the project does this line item support?

Planning

What phase of the project is this line item in, as of January 2, 2018?

Planning

Is this line item rebudgeted from a prior fiscal year?

No



Administration

Technical Infrastructure and Business Systems Support

Division: 02 Finance and Administration
OrgKey: 1284 IS Technical Services
Object: 9028 Cap Exp-Computer Hard/Software

Description: Rubrik Backup, Archive, and Disaster Recovery Infrastructure

Quantity/Cost: 1 @ \$175,000

FY19-02042

Budget Request: \$ 175,000

IFAS#: 1284-9028-A5352-18P

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

Replace HP Data Protector and VEEAM software with Rubrik Hyper converged Appliance and cloud archive. Replacing HP Data Protector, Veeam software, Tapes and off site storage with Rubrik would save OCTA \$540,000 over 3 years and \$680,000 over five years when comparing total cost of ownership. HP Data Protector needs to be replaced this year in any event and VEEAM Licensing to replace HP Data Protector is nearly the cost of the Rubrik with disaster recover at a second site with three years support and maintenance. Additionally Rubrik provides disaster recovery compute capability that VEEAM software and HP Data Protector could never do. In a disaster recovery event Rubrik alone can host and run all critical applications on the device itself. Licensing cost are greatly reduced and as increased hosts and applications are added there is no additional cost to OCTA as long as we do not exceed the capacity of the device. This upgrade streamlines our data center move and adds greatly enhanced disaster recovery capability and puts OCTA on one back-up platform.

Please explain how you arrived at the budgeted dollars requested.

Quote from Vendor

What phase of the project does this line item support?

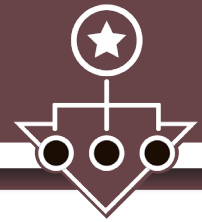
Planning

What phase of the project is this line item in, as of January 2, 2018?

Planning

Is this line item rebudgeted from a prior fiscal year?

No



Technical Infrastructure and Business Systems Support

Division: 02 Finance and Administration
 OrgKey: 1285 E'prise Comp Solut'n & Suprt
 Object: 9028 Cap Exp-Computer Hard/Software

Description: OTS Replacement
 Quantity/Cost: 1 @ \$200,000 FY19-01677
 Budget Request: \$ 200,000 IFAS#: 1285-9028-A5359-7F3

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables.

The Occurrence Tracking System (OTS) application is an internally developed application that is reaching end of life if it is not re-written or replaced by commercial software. The OTS application gathers and analyzes information about any activities which may be related to litigation by or against OCTA. Radio dispatchers, field supervisors, and risk management personnel are the primary users of OTS.

The radio dispatch documents all the initial data for an occurrence, second-hand, from wherever it is happening. If there is a possible involvement with litigation, a field supervisor will go to the occurrence site to verify and augment the data from radio dispatch.

The primary department that is being serviced by the application is Risk Management and the primary purpose of the application is to hold down liability costs for OCTA and recoup damages.

Please explain how you arrived at the budgeted dollars requested.

This is calculated based on the previous years' history, average, and patterns of expenditures for similar application replacements and implementations.

What phase of the project does this line item support?

This item will support the project through all phases: starting with planning, and going through project completion and release to operation.

What phase of the project is this line item in, as of January 2, 2018?

Planning

Is this line item rebudgeted from a prior fiscal year?

No

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