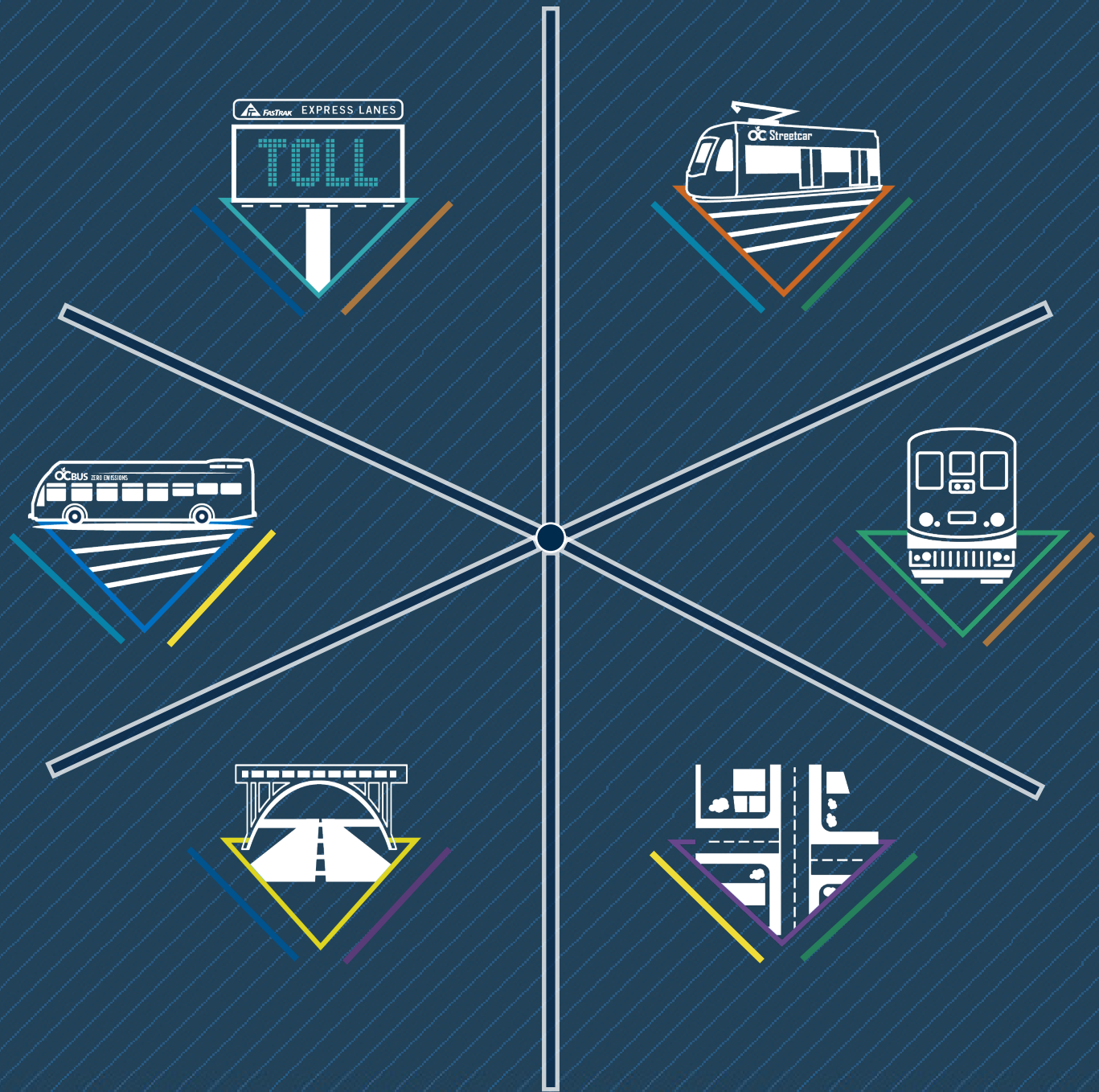


APPROVED CAPITAL JUSTIFICATIONS

FISCAL YEAR 2019-20



**FISCAL YEAR 2019-20
LINE ITEM CONTROLLED CAPITAL
JUSTIFICATIONS**

Darrell E. Johnson
Chief Executive Officer

Prepared by: Finance and Administration Division
Andrew Oftelie
Chief Financial Officer



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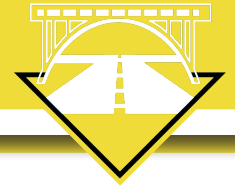
Express Lanes 51

Motorist Services 61

Bus Program 65

Administration 95

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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 - Right-of-Way Capital	50,000,000	3
0017	Local Transport Auth Mea	9081	SR-55, I-405 to I-5 - Property Clearance Services	500,000	3
0017	Local Transport Auth Mea	9082	SR-55, I-405 to I-5 - Right-of-Way Utilities	27,000,000	4
0017	Local Transport Auth Mea	9083	SR-55, I-405 to I-5 - Relocation Assistance Program	3,544,069	4
0017	Local Transport Auth Mea	9084	SR-55, I-405 to I-5 - City Coop Agreements	475,000	5
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 - Right-of-Way Capital	44,816,000	5
0017	Local Transport Auth Mea	9081	I-405, SR-73 to I-605 - Property Clearance Services	200,000	6
0017	Local Transport Auth Mea	9082	I-405, SR-73 to I-605 - Right-of-Way Utilities	29,984,000	6
0017	Local Transport Auth Mea	9084	I-405, SR-55 to I-605 - Project Allotment	19,781,000	7
0017	Local Transport Auth Mea	9084	I-405, SR-73 to I-605 - City Coop Agreements	2,871,000	7
0017	Local Transport Auth Mea	9085	I-405, SR-73 to I-605 - Construction Management Consultant S	5,400,000	8
0017	Local Transport Auth Mea	9085	I-405, SR-73 to I-605 - Caltrans Coop Agreement	3,525,000	8
0017	Local Transport Auth Mea	9085	I-405, SR-73 to I-605 - Project Management Consultant Suppo	14,250,000	9
I-5, Santa Ana Freeway (Project C)					
0017	Local Transport Auth Mea	9081	I-5 Widening, SR-73 to Oso Parkway - Right-of-Way Capital	15,000,000	9
0017	Local Transport Auth Mea	9081	I-5 Widening, Oso Parkway to Alicia Parkway - Right-of-Way C	7,522,000	10
0017	Local Transport Auth Mea	9081	I-5 Widening, Alicia Parkway to El Toro Road - Right-of-Way C	16,087,000	10
0017	Local Transport Auth Mea	9082	I-5 Widening, SR-73 to Oso Parkway - Right-of-Way Utilities	3,624,432	11
0017	Local Transport Auth Mea	9082	I-5 Widening, Oso Parkway to Alicia Parkway - Right-of-Way U	2,172,810	11
0017	Local Transport Auth Mea	9082	I-5 Widening, Oso Parkway to Alicia Parkway - Right-of-Way U	6,375,117	12
0017	Local Transport Auth Mea	9084	I-5, Avenida Pico to Vista Hermosa - Caltrans Coop Agreement	1,500,000	12
0017	Local Transport Auth Mea	9084	I-5, Avenida Pico to Vista Hermosa - Plant Establishment Perio	785,000	13
0017	Local Transport Auth Mea	9084	I-5 Widening, SR-73 to Oso Parkway - Caltrans Coop Agreeme	4,200,000	13
0017	Local Transport Auth Mea	9084	I-5 Widening, SR-73 to Oso Parkway - City Coop Agreements	300,000	14
0017	Local Transport Auth Mea	9084	I-5, Avenida Vista Hermosa to Pacific Coast Highway - Caltrans	2,000,000	14
0017	Local Transport Auth Mea	9084	I-5, Pacific Coast Highway to San Juan Creek Road - Caltrans C	3,000,000	15
0017	Local Transport Auth Mea	9084	I-5 Widening, Oso Parkway to Alicia Parkway - Construction C	20,000,000	15
0017	Local Transport Auth Mea	9084	I-5 Widening, Oso Parkway to Alicia Parkway - City Coop Agre	150,000	16
0017	Local Transport Auth Mea	9084	I-5 Widening, Oso Parkway to Alicia Parkway - City Coop Agre	150,000	16
0017	Local Transport Auth Mea	9085	I-5, Avenida Pico to Vista Hermosa - Construction Support Ser	220,000	17
0017	Local Transport Auth Mea	9085	I-5, Avenida Pico to Vista Hermosa - Design Support	10,465	17
0017	Local Transport Auth Mea	9085	I-5 Widening, SR-73 to Oso Parkway - Construction Managem	1,500,000	18



Measure M2 Program

Measure M2 Program

Line Item Controlled Capital

Org- Key	Department / Fund Name	Obj	Line Item Description	Budget	Page No.
Freeways					
I-5, Santa Ana Freeway (Project C)					
0017	Local Transport Auth Mea	9085	I-5 Widening, Oso Parkway to Alicia Parkway - Construction M	3,500,000	18
0017	Local Transport Auth Mea	9085	I-5 Widening, Oso Parkway to Alicia Parkway - Construction	250,000	19
I-5, SR-55 to SR-57 (Project A)					
0017	Local Transport Auth Mea	9084	I-5, SR-55 to SR-57 - City Cooperative Agreements	60,000	19
0017	Local Transport Auth Mea	9085	I-5, SR-55 and SR-57 - Consultant Construction Management	2,000,000	20
Orange Freeway (SR-57) Improvements (Project G)					
0017	Local Transport Auth Mea	9084	SR-57, Katella to Lincoln - Landscape Construction	50,000	20
0017	Local Transport Auth Mea	9084	SR-57, Orangethorpe to Yorba Linda - Landscape Construction	75,000	21
0017	Local Transport Auth Mea	9084	SR-57, Yorba Linda to Lambert - Landscape Construction	100,000	21
0017	Local Transport Auth Mea	9085	SR-57, Katella to Lincoln - Landscape Construction Manageme	120,000	22
0017	Local Transport Auth Mea	9085	SR-57, Orangethorpe to Yorba Linda - Landscape Construction	50,000	22
0017	Local Transport Auth Mea	9085	SR-57, Yorba Linda to Lambert - Landscape Construction Man	120,000	23
Streets and Roads					
OC Bridges (Project O)					
0017	Local Transport Auth Mea	9085	Lakeview Avenue Grade Sep Project - Construction Project Ma	50,000	24
Subtotal Capital - Measure M2 Program				\$ 293,317,893	



Freeways

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

Description:	SR-55, I-405 to I-5 - Right-of-Way Capital			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9081-FF101-0KU	Quantity:	1
Line Item ID:	FY20-02249	Type:	Cash	Unit Cost:	\$50,000,000.00
Manager:	Ross Lew			Total:	\$50,000,000
Grant Funded?	<input checked="" type="checkbox"/>				

Funding: 0017-6048-FF101-XXD SR-55, I-405 to I-5 - ROW Capital 50,000,000

Total Funded: 50,000,000

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 State Route-55, I-405 to I-5. 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 will add one general-purpose lane and a second High Occupancy Vehicle (HOV) lane in both directions of State Route-55.

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 will support the right-of-way phase of work.

What phase of the project is this line item in, as of January 2, 2019?

Design phase.

Is this line item rebudgeted from a prior fiscal year?

No.

Description:	SR-55, I-405 to I-5 - Property Clearance Services			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9081-FF101-F17	Quantity:	1
Line Item ID:	FY20-02447	Type:	Cash	Unit Cost:	\$500,000.00
Manager:	Bill Mock			Total:	\$500,000
Grant Funded?	<input type="checkbox"/>				

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 State Route-55, I-405 to I-5 project. The budget request is for costs associated with these services. The project will add one general-purpose lane and a second High Occupancy Vehicle (HOV) lane in both directions of State Route-55.

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, 2019?

Design phase.

Is this line item rebudgeted from a prior fiscal year?

Yes.



Measure M2 Program

Freeways

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

Description:	SR-55, I-405 to I-5 - Right-of-Way Utilities			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9082-FF101-0KU	Quantity:	1
Line Item ID:	FY20-02250	Type:	Cash	Unit Cost:	\$27,000,000.00
Manager:	Ross Lew			Total:	\$27,000,000
Grant Funded?	<input checked="" type="checkbox"/>				

Funding: 0017-6013-FF101-YIP SR-55, I-405 to I-5, ROW Utilities 27,000,000

Total Funded: 27,000,000

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 State Route-55, I-405 to I-5 project during the right-of-way (ROW) utility relocation phase of work. The project will add one general purpose and a second High Occupancy Vehicle (HOV) lane in both directions of State Route-55 between Route 55/405 separation in Irvine to the Route 5/55 separation in Tustin in the cities of Santa Ana, Tustin, and Irvine. 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 utility relocation phase of work.

What phase of the project is this line item in, as of January 2, 2019? Design phase.

Is this line item rebudgeted from a prior fiscal year? No.

Description:	SR-55, I-405 to I-5 - Relocation Assistance Program			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9083-FF101-0KU	Quantity:	1
Line Item ID:	FY20-02251	Type:	Cash	Unit Cost:	\$3,544,069.00
Manager:	Ross Lew			Total:	\$3,544,069
Grant Funded?	<input checked="" type="checkbox"/>				

Funding: 0017-6048-FF101-XKD SR-55, I-405 to I-5 - Relocation Assistance Program 3,544,069

Total Funded: 3,544,069

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 the State Route-55, I-405 to I-5 project. The project will add one general purpose and a second High Occupancy Vehicle (HOV) lane in both directions of State Route-55 between Route 55/405 separation in Irvine to the Route 5/55 separation in Tustin in the cities of Santa Ana, Tustin, and Irvine. 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 right-of-way phase of work.

What phase of the project is this line item in, as of January 2, 2019? Design phase.

Is this line item rebudgeted from a prior fiscal year? No.



Freeways

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

Description:	SR-55, I-405 to I-5 - City Coop Agreements			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9084-FF101-0TB	Quantity:	1
Line Item ID:	FY20-02248	Type:	Cash	Unit Cost:	\$475,000.00
Manager:	Ross Lew			Total:	\$475,000
Grant Funded? <input type="checkbox"/>					

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 State Route-55, I-405 to I-5 project corridor, including the cities of Santa Ana, Irvine, and Tustin. The work includes traffic engineering services, police services, and project support services, as well as traffic control services for the project. This 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 design and construction phases of work.

What phase of the project is this line item in, as of January 2, 2019? Design phase.

Is this line item rebudgeted from a prior fiscal year? No.

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

Description:	I-405, SR-73 to I-605 - Right-of-Way Capital			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9081-FK101-0DW	Quantity:	1
Line Item ID:	FY20-02213	Type:	Cash	Unit Cost:	\$44,816,000.00
Manager:	Dennis Mak			Total:	\$44,816,000
Grant Funded? <input type="checkbox"/>					

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, State Route-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 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, 2019? 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)

Description:	I-405, SR-73 to I-605 - Property Clearance Services			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9081-FK101-F17	Quantity:	1
Line Item ID:	FY20-02449	Type:	Cash	Unit Cost:	\$200,000.00
Manager:	Bill Mock			Total:	\$200,000
Grant Funded? <input type="checkbox"/>					

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, State Route-73 to I-605 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, 2019? Construction phase.

Is this line item rebudgeted from a prior fiscal year? Yes.

Description:	I-405, SR-73 to I-605 - Right-of-Way Utilities			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9082-FK101-ODW	Quantity:	1
Line Item ID:	FY20-02218	Type:	Cash	Unit Cost:	\$29,984,000.00
Manager:	Dennis Mak			Total:	\$29,984,000
Grant Funded? <input type="checkbox"/>					

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables. Right-of-way (ROW) work to relocate multiple utilities for the I-405, State Route-73 to I-605 project prior to and during the design and construction phases of work. The project will add new lanes, improve interchanges, and widen local overcrossings to the San Diego Freeway from State Route-73 in Costa Mesa to I-605. More specifically, the project will add one general purpose lane and one express lane in each direction. The budget request is for costs associated with these services 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 total project expenditures for the fiscal year. Allocation by parcel.

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, 2019? Utility relocation phase.

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)

Description:	I-405, SR-55 to I-605 - Project Allotment			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9084-FK101-0GM	Quantity:	1
Line Item ID:	FY20-02199	Type:	Encumbrance	Unit Cost:	\$19,781,000.00
Manager:	Dennis Mak			Total:	\$19,781,000
Grant Funded?	<input type="checkbox"/>				

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 C-5-3843 with OC 405 Partners for the I-405, State Route-73 to I-605 project. The project will add new lanes, improve interchanges, and widen local overcrossings for 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 annual costs 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 projected expenditures at a rate of 78% of Measure M2 (M2) funding to cover costs associated with the M2 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, 2019? Design and construction phases.

Is this line item rebudgeted from a prior fiscal year? Yes.

Description:	I-405, SR-73 to I-605 - City Coop Agreements			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9084-FK101-0I2	Quantity:	1
Line Item ID:	FY20-02219	Type:	Cash	Unit Cost:	\$2,871,000.00
Manager:	Dennis Mak			Total:	\$2,871,000
Grant Funded?	<input type="checkbox"/>				

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, State Route-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 (OCSA), 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 dollars requested is based on the total projected expenditures at a rate of 78% of Measure M2 (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 the design and construction phases of work.

What phase of the project is this line item in, as of January 2, 2019? Design 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)

Description:	I-405, SR-73 to I-605 - Construction Management Consultant Services			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9085-FK101-ODY	Quantity:	1
Line Item ID:	FY20-02206	Type:	Cash	Unit Cost:	\$5,400,000.00
Manager:	Dennis Mak			Total:	\$5,400,000
Grant Funded?	<input type="checkbox"/>				

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 Parsons Transportation Group, Inc. for the I-405, State Route-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 dollars requested is based on the total projected expenditures for the fiscal year at a rate of 75% of the Measure M2 funding to cover costs necessary to implement the general purpose lanes of 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, 2019?

Design and construction phases.

Is this line item rebudgeted from a prior fiscal year?

Yes.

Description:	I-405, SR-73 to I-605 - Caltrans Coop Agreement			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9085-FK101-OKM	Quantity:	1
Line Item ID:	FY20-02211	Type:	Cash	Unit Cost:	\$3,525,000.00
Manager:	Dennis Mak			Total:	\$3,525,000
Grant Funded?	<input type="checkbox"/>				

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 I-405, State Route-73 to I-605 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 general purpose 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-Measure M2 funding necessary to implement the express lanes of the project.

What phase of the project does this line item support?

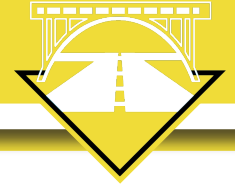
This line item will support the design and construction phases of work.

What phase of the project is this line item in, as of January 2, 2019?

Design and construction phases.

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)

Description:	I-405, SR-73 to I-605 - Project Management Consultant Support Services			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9085-FK101-TZF	Quantity:	1
Line Item ID:	FY20-02201	Type:	Cash	Unit Cost:	\$14,250,000.00
Manager:	Dennis Mak			Total:	\$14,250,000
Grant Funded? <input type="checkbox"/>					

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-2-1513 with Parsons Transportation Group, Inc., for the I-405, State Route-73 to I-605 Improvement Project. The Program Management Consultant (PMC) shall assist OCTA in providing staff assistance and technical expertise to help manage the project. Consultant shall assist OCTA's Highway Programs in planning, managing, and controlling the overall project from environmental phase to construction completion. The budget request is for costs associated with these services for the general purpose lanes of the overall 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 for the fiscal year at a rate of 75% for the non-Measure M2 funding to cover costs necessary to implement the general purpose lanes of the project.

What phase of the project does this line item support? This line item will support the design, right-of-way, construction phases of work.

What phase of the project is this line item in, as of January 2, 2019? Design, right-of-way, and construction phases.

Is this line item rebudgeted from a prior fiscal year? Yes.

I-5, Santa Ana Freeway (Project C)

Description:	I-5 Widening, SR-73 to Oso Parkway - Right-of-Way Capital			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9081-FC102-06W	Quantity:	1
Line Item ID:	FY20-02436	Type:	Cash	Unit Cost:	\$15,000,000.00
Manager:	Hamid Torkamanha			Total:	\$15,000,000
Grant Funded? <input type="checkbox"/>					

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, State Route-73 to Oso Parkway portion of the 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 fiscal year and 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, 2019? Design phase.

Is this line item rebudgeted from a prior fiscal year? Yes.



Measure M2 Program

Freeways

I-5, Santa Ana Freeway (Project C)

Description:	I-5 Widening, Oso Parkway to Alicia Parkway - Right-of-Way Capital			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9081-FC105-06W	Quantity:	1
Line Item ID:	FY20-02512	Type:	Cash	Unit Cost:	\$7,522,000.00
Manager:	Niall Barrett			Total:	\$7,522,000
Grant Funded?	<input type="checkbox"/>				

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables. This is for Segment 2 of the overall I-5 widening project. The project will widen I-5 in each direction between Oso Creek and Alicia Parkway. This line item is for acquisition of Right-of-Way (ROW) needed to construct the project, based on actual payments to property owners for land acquisition, easements (permanent and temporary) and associated fees.

Please explain how you arrived at the budgeted dollars requested. Based on cost estimates and ROW Co-op C-5-3661.

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, 2019? Final Design. Construction bids were opened on January 16, 2019.

Is this line item rebudgeted from a prior fiscal year? Yes

Description:	I-5 Widening, Alicia Parkway to El Toro Road - Right-of-Way Capital			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9081-FC106-N5R	Quantity:	1
Line Item ID:	FY20-02519	Type:	Cash	Unit Cost:	\$16,087,000.00
Manager:	Niall Barrett			Total:	\$16,087,000
Grant Funded?	<input checked="" type="checkbox"/>				

Funding: 0017-6048-FC106-XID I-5 Widening, South of Oso Parkway to South of Alicia Parkway (Seg 11,582,640

Total Funded: 11,582,640

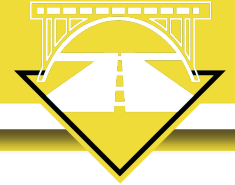
Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables. This is for Segment 3 of the overall I-5 widening project and covers acquisition of Right-of-Way (ROW) needed to construct the project based on actual payments to property owners for land acquisition, easements (permanent and temporary), and associated fees. The project will widen I-5 in each direction between Alicia Parkway and El Toro Road.

Please explain how you arrived at the budgeted dollars requested. Based on cost estimates and ROW Co-op C-5-3661.

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, 2019? Design.

Is this line item rebudgeted from a prior fiscal year? Yes



Freeways

I-5, Santa Ana Freeway (Project C)

Description:	I-5 Widening, SR-73 to Oso Parkway - Right-of-Way Utilities			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9082-FC102-06W	Quantity:	1
Line Item ID:	FY20-02486	Type:	Cash	Unit Cost:	\$3,624,432.00
Manager:	Hamid Torkamanha			Total:	\$3,624,432
Grant Funded? <input type="checkbox"/>					

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables. Right-of-Way (ROW) relocation of multiple utilities for the I-5 Widening, State Route-73 to Oso Parkway project during the ROW utility relocation phase of work. The project will widen I-5 in each direction between State Route-73 and Oso Creek. The budget request is for costs associated with these reserves.

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 right-of-way phase.

What phase of the project is this line item in, as of January 2, 2019? Design phase.

Is this line item rebudgeted from a prior fiscal year? No.

Description:	I-5 Widening, Oso Parkway to Alicia Parkway - Right-of-Way Utilities			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9082-FC105-06W	Quantity:	1
Line Item ID:	FY20-02511	Type:	Cash	Unit Cost:	\$2,172,810.00
Manager:	Niall Barrett			Total:	\$2,172,810
Grant Funded? <input type="checkbox"/>					

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables. This is for Segment 2 of the overall I-5 widening project. This line item is for right-of-way (ROW) relocation and protection of utilities required as part of the construction phase of the project. Deliverables include: design, environmental clearance, advertisement, award, construction and construction support. The project will widen I-5 in each direction between Oso Creek and Alicia Parkway.

Please explain how you arrived at the budgeted dollars requested. Based on Utility Agreements between Caltrans and various utility agencies, per ROW Co-op C-5-3661.

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, 2019? Final Design. Construction bids were opened on January 16, 2019.

Is this line item rebudgeted from a prior fiscal year? No



Measure M2 Program

Freeways

I-5, Santa Ana Freeway (Project C)

Description:	I-5 Widening, Oso Parkway to Alicia Parkway - Right-of-Way Utilities			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9082-FC106-N5R	Quantity:	1
Line Item ID:	FY20-02518	Type:	Cash	Unit Cost:	\$6,375,117.00
Manager:	Niall Barrett			Total:	\$6,375,117
Grant Funded?	<input type="checkbox"/>				

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

This is for Segment 3 of the overall I-5 widening project. This line item is for right-of-way (ROW) relocation and protection of utilities required as part of the construction phase of the project. The project will widen I-5 in each direction between Alicia Parkway and El Toro Road. Deliverables include: design, environmental clearance, advertisement, award, construction and construction support.

Please explain how you arrived at the budgeted dollars requested.

Based on Utility Agreements between Caltrans and various utility agencies, per ROW Co-op C-5-3661.

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, 2019?

Design.

Is this line item rebudgeted from a prior fiscal year?

No

Description:	I-5, Avenida Pico to Vista Hermosa - Caltrans Coop Agreement			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9084-FC101-073	Quantity:	1
Line Item ID:	FY20-02386	Type:	Cash	Unit Cost:	\$1,500,000.00
Manager:	Hamid Torkamanha			Total:	\$1,500,000
Grant Funded?	<input type="checkbox"/>				

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-3-2080 with Caltrans to provide construction and construction support for the I-5, Avenida Pico to Vista Hermosa project. The project will add new High Occupancy Vehicle (HOV) lanes on both directions of I-5 between Avenida Vista Hermosa Overcrossing and Avenida Pico Undercrossing. 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 construction closeout phase.

What phase of the project is this line item in, as of January 2, 2019?

Project closeout phase.

Is this line item rebudgeted from a prior fiscal year?

Yes.



Freeways

I-5, Santa Ana Freeway (Project C)

Description:	I-5, Avenida Pico to Vista Hermosa - Plant Establishment Period			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9084-FC101-0JV	Quantity:	1
Line Item ID:	FY20-02402	Type:	Cash	Unit Cost:	\$785,000.00
Manager:	Hamid Torkamanha			Total:	\$785,000
Grant Funded? <input type="checkbox"/>					

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-7-1561 with Caltrans for the I-5 High Occupancy Vehicle (HOV), 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 for the fiscal year.

What phase of the project does this line item support? This line item will support the plant establishment period phase.

What phase of the project is this line item in, as of January 2, 2019? Plant establishment period.

Is this line item rebudgeted from a prior fiscal year? Yes.

Description:	I-5 Widening, SR-73 to Oso Parkway - Caltrans Coop Agreement			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9084-FC102-06W	Quantity:	1
Line Item ID:	FY20-02394	Type:	Cash	Unit Cost:	\$4,200,000.00
Manager:	Hamid Torkamanha			Total:	\$4,200,000
Grant Funded? <input type="checkbox"/>					

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 establish a Cooperative Agreement with Caltrans to provide construction and construction support costs for the I-5 Widening, State Route-73 to Oso Parkway project. The project will widen I-5 in each direction between State Route-73 and Oso Creek. 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, 2019? Design phase.

Is this line item rebudgeted from a prior fiscal year? No.



Measure M2 Program

Freeways

I-5, Santa Ana Freeway (Project C)

Description:	I-5 Widening, SR-73 to Oso Parkway - City Coop Agreements			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9084-FC102-0U1	Quantity:	1
Line Item ID:	FY20-02396	Type:	Cash	Unit Cost:	\$300,000.00
Manager:	Hamid Torkamanha			Total:	\$300,000
Grant Funded? <input type="checkbox"/>					

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables. Cooperative Agreements with the Cities of Laguna Niguel and Mission Viejo to provide city services including traffic engineering, police, and traffic management plan review services for the I-5 Widening, State Route-73 to Oso Parkway 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 construction phase of work.

What phase of the project is this line item in, as of January 2, 2019? Design phase.

Is this line item rebudgeted from a prior fiscal year? No.

Description:	I-5, Avenida Vista Hermosa to Pacific Coast Highway - Caltrans Coop Agreement			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9084-FC103-073	Quantity:	1
Line Item ID:	FY20-02392	Type:	Cash	Unit Cost:	\$2,000,000.00
Manager:	Hamid Torkamanha			Total:	\$2,000,000
Grant Funded? <input type="checkbox"/>					

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-3-1605 with Caltrans to provide construction capital and construction support costs for the I-5, Avenida Vista Hermosa to Pacific Coast Highway project. The project will add new High Occupancy Vehicle (HOV) lanes on both directions of I-5 between Avenida Vista Hermosa Overcrossing and Pacific Coast Highway Undercrossing. The budget request is for costs associated with these services including pending construction claims 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 fiscal year.

What phase of the project does this line item support? This line item will support the project closeout phase.

What phase of the project is this line item in, as of January 2, 2019? Project closeout phase.

Is this line item rebudgeted from a prior fiscal year? Yes.



Freeways

I-5, Santa Ana Freeway (Project C)

Description:	I-5, Pacific Coast Highway to San Juan Creek Road - Caltrans Coop Agreement			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9084-FC104-073	Quantity:	1
Line Item ID:	FY20-02393	Type:	Cash	Unit Cost:	\$3,000,000.00
Manager:	Hamid Torkamanha			Total:	\$3,000,000
Grant Funded?	<input type="checkbox"/>				

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-3-1504 with Caltrans to provide construction and construction support for the I-5, Pacific Coast Highway to San Juan Creek Road project. The project will add new HOV lanes on both directions of I-5 between Camino Estrella Overcrossing to San Juan Creek Road Undercrossing. The budget request is for costs associated with these services including pending construction claims 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 fiscal year.

What phase of the project does this line item support? This line item will support the project closeout phase.

What phase of the project is this line item in, as of January 2, 2019? Project closeout phase.

Is this line item rebudgeted from a prior fiscal year? Yes.

Description:	I-5 Widening, Oso Parkway to Alicia Parkway - Construction Capital			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9084-FC105-06W	Quantity:	1
Line Item ID:	FY20-02516	Type:	Cash	Unit Cost:	\$20,000,000.00
Manager:	Niall Barrett			Total:	\$20,000,000
Grant Funded?	<input checked="" type="checkbox"/>				

Funding:	0017-6048-FC105-XXD	I-5 Widening, South of Oso Parkway to South of Alicia Parkway (Seg	3,709,632
Funding:	0017-6048-FC105-XKN	I-5 Widening, South of Oso Parkway to South of Alicia Parkway (Seg	922,140
		Total Funded:	4,631,773

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables. This is for Segment 2 of the overall I-5 Widening, Oso Parkway to Alicia Parkway project. Construction capital includes construction of highways: bridges, retaining walls, pavement, electrical, drainage, ITS, earthwork, grading, surveying, falsework, demolition, etc. The project will widen I-5 in each direction between Oso Creek and Alicia Parkway.

Please explain how you arrived at the budgeted dollars requested. Based on upcoming construction contract, per Cooperative Agreement C-8-1426 and expected contractor baseline 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, 2019? Final Design. Construction bids were opened on January 16, 2019.

Is this line item rebudgeted from a prior fiscal year? No.



Measure M2 Program

Freeways

I-5, Santa Ana Freeway (Project C)

Description:	I-5 Widening, Oso Parkway to Alicia Parkway - City Coop Agreements			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9084-FC105-NA3	Quantity:	1
Line Item ID:	FY20-02514	Type:	Cash	Unit Cost:	\$150,000.00
Manager:	Niall Barrett			Total:	\$150,000
Grant Funded? <input type="checkbox"/>					

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables. This is for Segment 2 of the overall I-5 Widening, Oso Parkway to Alicia Parkway project. Procurement of a City Cooperative Agreement between OCTA and the City of Mission Viejo for city services during construction of the project. City work includes city support services including engineering, traffic management support, city police services.

Please explain how you arrived at the budgeted dollars requested. Based on previous OCTA/City Cooperative agreements for similar type of 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, 2019? Final Design. Construction bids were opened on January 16, 2019.

Is this line item rebudgeted from a prior fiscal year? Yes

Description:	I-5 Widening, Oso Parkway to Alicia Parkway - City Coop Agreements			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9084-FC106-N5R	Quantity:	1
Line Item ID:	FY20-02524	Type:	Cash	Unit Cost:	\$150,000.00
Manager:	Niall Barrett			Total:	\$150,000
Grant Funded? <input type="checkbox"/>					

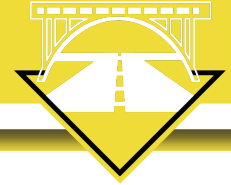
Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables. This is for Segment 3 of the overall I-5 Widening, Oso Parkway to Alicia Parkway project. Procurement of a City Cooperative Agreement between OCTA and the City of Laguna Hills for city services during construction of the project. City work includes city support services including engineering, traffic management support, city police services.

Please explain how you arrived at the budgeted dollars requested. Based on previous OCTA/City Cooperative agreements for similar-type 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, 2019? Design.

Is this line item rebudgeted from a prior fiscal year? Yes



Freeways

I-5, Santa Ana Freeway (Project C)

Description:	I-5, Avenida Pico to Vista Hermosa - Construction Support Services			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9085-FC101-OJV	Quantity:	1
Line Item ID:	FY20-02398	Type:	Cash	Unit Cost:	\$220,000.00
Manager:	Hamid Torkamanha			Total:	\$220,000
Grant Funded? <input type="checkbox"/>					

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 fiscal year.

What phase of the project does this line item support? This line item will support the plant establishment period phase of work.

What phase of the project is this line item in, as of January 2, 2019? Plant establishment period.

Is this line item rebudgeted from a prior fiscal year? Yes.

Description:	I-5, Avenida Pico to Vista Hermosa - Design Support			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9085-FC101-OJV	Quantity:	1
Line Item ID:	FY20-02399	Type:	Cash	Unit Cost:	\$10,465.00
Manager:	Hamid Torkamanha			Total:	\$10,465
Grant Funded? <input type="checkbox"/>					

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. Scope of work includes design support services during construction, including reviewing design (PS&E) requests for information and contractor submittals, preparation of change directives and attending meetings, 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 plant establishment period phase of work.

What phase of the project is this line item in, as of January 2, 2019? Plant establishment period phase.

Is this line item rebudgeted from a prior fiscal year? Yes.



Measure M2 Program

Freeways

I-5, Santa Ana Freeway (Project C)

Description:	I-5 Widening, SR-73 to Oso Parkway - Construction Management Services			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9085-FC102-06W	Quantity:	1
Line Item ID:	FY20-02397	Type:	Cash	Unit Cost:	\$1,500,000.00
Manager:	Hamid Torkamanha			Total:	\$1,500,000
Grant Funded?	<input checked="" type="checkbox"/>				

Funding: 0017-6048-FC102-XLD I-5 Widening, SR-73 to Oso Parkway - CM Services 1,500,000

Total Funded: 1,500,000

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

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 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, 2019?

Design phase.

Is this line item rebudgeted from a prior fiscal year?

No.

Description:	I-5 Widening, Oso Parkway to Alicia Parkway - Construction Management Support			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9085-FC105-06W	Quantity:	1
Line Item ID:	FY20-02515	Type:	Cash	Unit Cost:	\$3,500,000.00
Manager:	Niall Barrett			Total:	\$3,500,000
Grant Funded?	<input type="checkbox"/>				

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

This is for Segment 2 of the overall I-5 Widening, Oso Parkway to Alicia Parkway project for construction management support services. Management of day to day tasks associated with administration of a construction contract, including Requests for Information (RFI), scheduling, claims, inspection, and estimating. The project will widen I-5 in each direction between Oso Creek and Alicia Parkway.

Please explain how you arrived at the budgeted dollars requested.

Based on construction schedule and upcoming contract C-8-1418, with HDR, scheduled to be signed on March 1, 2019.

What phase of the project does this line item support?

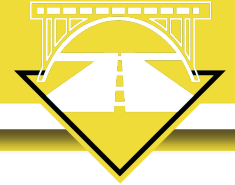
Construction

What phase of the project is this line item in, as of January 2, 2019?

Final Design. Construction bids were opened on January 16, 2019.

Is this line item rebudgeted from a prior fiscal year?

Yes. \$1.5M was budgeted last year.



Freeways

I-5, Santa Ana Freeway (Project C)

Description:	I-5 Widening, Oso Parkway to Alicia Parkway - Construction Management Support			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9085-FC106-06W	Quantity:	1
Line Item ID:	FY20-02525	Type:	Cash	Unit Cost:	\$250,000.00
Manager:	Niall Barrett			Total:	\$250,000
Grant Funded? <input type="checkbox"/>					

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables. This is for Segment 3 of the overall I-5 Widening, Oso Parkway to Alicia Parkway project for construction management support services. Management of day to day tasks associated with administration of a construction contract, including Requests for Information (RFI), scheduling, claims, inspection, estimating.

Please explain how you arrived at the budgeted dollars requested. Based on construction schedule and upcoming Request for Proposal (RFP), scheduled for release by OCTA Board in May 2019.

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, 2019? Design.

Is this line item rebudgeted from a prior fiscal year? No

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

Description:	I-5, SR-55 to SR-57 - City Cooperative Agreements			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9084-FA101-NA3	Quantity:	1
Line Item ID:	FY20-02528	Type:	Cash	Unit Cost:	\$60,000.00
Manager:	Niall Barrett			Total:	\$60,000
Grant Funded? <input type="checkbox"/>					

Please write a scope of work for this line item that could be used for procurement. Include a work plan identifying tasks or deliverables. Procurement of street wayfinding signs and city support services for the I-5, State Route-55 to State Route-57 project. Deliverables include delivery and installation of street signs and city engineering and police support during the construction phase.

What are the qualifications required for this line item? Example: Expert-level JAVA programmer to enhance website. Per upcoming Co-operative Agreement between OCTA and City of Santa Ana.

Please explain how you arrived at the budgeted dollars requested. \$60,000 is the agreed to amount in the Co-op.

What phase of the project does this line item support? Construction

What phase of the project is this line item currently in, as of January 2nd. Construction. Construction contract approved on December 29, 2018.

Is this line item rebudgeted from a prior fiscal year? No



Measure M2 Program

Freeways

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

Description:	I-5, SR-55 and SR-57 - Consultant Construction Management			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9085-FA101-06R	Quantity:	1
Line Item ID:	FY20-02527	Type:	Cash	Unit Cost:	\$2,000,000.00
Manager:	Niall Barrett			Total:	\$2,000,000
Grant Funded?	<input type="checkbox"/>				

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 support services for the I-5, State Route-55 and State Route-57 project. Management of day to day tasks associated with administration of a construction contract, including Requests for Information (RFI), scheduling, claims, inspection, and estimation. The project will remove the existing barrier between the High Occupancy Vehicle (HOV) lane and general purposes lanes, as well as add a second HOV lane adjacent to the existing HOV lane.

Please explain how you arrived at the budgeted dollars requested. Based on construction schedule and contract C-7-1834, with TRC, executed on October 1, 2018.

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, 2019? Construction

Is this line item rebudgeted from a prior fiscal year? Yes.

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

Description:	SR-57, Katella to Lincoln - Landscape Construction			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9084-FG101-0DN	Quantity:	1
Line Item ID:	FY20-02529	Type:	Cash	Unit Cost:	\$50,000.00
Manager:	Niall Barrett			Total:	\$50,000
Grant Funded?	<input type="checkbox"/>				

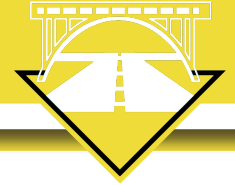
Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables. Construction of replacement planting for the State Route-57, Katella to Lincoln project. Includes irrigation, trees, and storm water control.

Please explain how you arrived at the budgeted dollars requested. Based on construction contract with Caltrans, Cooperative Agreement C-3-1964.

What phase of the project does this line item support? Replacement Planting

What phase of the project is this line item in, as of January 2, 2019? Replacement Planting

Is this line item rebudgeted from a prior fiscal year? No.



Freeways

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

Description:	SR-57, Orangethorpe to Yorba Linda - Landscape Construction			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9084-FG102-T3V	Quantity:	1
Line Item ID:	FY20-02533	Type:	Cash	Unit Cost:	\$75,000.00
Manager:	Niall Barrett			Total:	\$75,000
Grant Funded? <input type="checkbox"/>					

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 replacement planting for the State Route-57, Orangethorpe to Yorba Linda project. Includes irrigation, trees, and storm water control.

Please explain how you arrived at the budgeted dollars requested. Based on construction contract with Caltrans, Cooperative Agreement C-1-2843.

What phase of the project does this line item support? Replacement Planting

What phase of the project is this line item in, as of January 2, 2019? Replacement Planting

Is this line item rebudgeted from a prior fiscal year? No.

Description:	SR-57, Yorba Linda to Lambert - Landscape Construction			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9084-FG103-T3V	Quantity:	1
Line Item ID:	FY20-02531	Type:	Cash	Unit Cost:	\$100,000.00
Manager:	Niall Barrett			Total:	\$100,000
Grant Funded? <input type="checkbox"/>					

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 replacement planting for the State Route-57, Yorba Linda to Lambert project. Includes irrigation, trees, and storm water control.

Please explain how you arrived at the budgeted dollars requested. Based on construction contract with Caltrans, Cooperative Agreement C-1-2843.

What phase of the project does this line item support? Replacement Planting

What phase of the project is this line item in, as of January 2, 2019? Replacement Planting

Is this line item rebudgeted from a prior fiscal year? No.



Measure M2 Program

Freeways

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

Description:	SR-57, Katella to Lincoln - Landscape Construction Management			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9085-FG101-ODN	Quantity:	1
Line Item ID:	FY20-02530	Type:	Cash	Unit Cost:	\$120,000.00
Manager:	Niall Barrett			Total:	\$120,000
Grant Funded? <input type="checkbox"/>					

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables. Landscape Construction Management for the State Route-57, Katella to Lincoln project. Inspection, schedule review, responses to contractor's requests for information.

Please explain how you arrived at the budgeted dollars requested. Based on construction contract with Caltrans, Co-op C-3-1964.

What phase of the project does this line item support? Replacement Planting

What phase of the project is this line item in, as of January 2, 2019? Replacement Planting

Is this line item rebudgeted from a prior fiscal year? No.

Description:	SR-57, Orangethorpe to Yorba Linda - Landscape Construction Management			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9085-FG102-HGU	Quantity:	1
Line Item ID:	FY20-02534	Type:	Cash	Unit Cost:	\$50,000.00
Manager:	Niall Barrett			Total:	\$50,000
Grant Funded? <input type="checkbox"/>					

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables. Landscape construction management for the State Route-57, Orangethorpe to Yorba Linda project. Inspection, schedule review, responses to contractor's requests for information.

Please explain how you arrived at the budgeted dollars requested. Based on construction contract with Caltrans, Co-op C-1-2843.

What phase of the project does this line item support? Replacement Planting

What phase of the project is this line item in, as of January 2, 2019? Replacement Planting

Is this line item rebudgeted from a prior fiscal year? No.



Freeways

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

Description:	SR-57, Yorba Linda to Lambert - Landscape Construction Management			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9085-FG103-HGU	Quantity:	1
Line Item ID:	FY20-02532	Type:	Cash	Unit Cost:	\$120,000.00
Manager:	Niall Barrett			Total:	\$120,000
Grant Funded? <input type="checkbox"/>					

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables. Landscape construction management for the State Route-57, Yorba Linda to Lambert project. Inspection, schedule review, responses to contractor's requests for information.

Please explain how you arrived at the budgeted dollars requested. Based on construction contract with Caltrans, Co-op C-1-2843.

What phase of the project does this line item support? Replacement Planting

What phase of the project is this line item in, as of January 2, 2019? Replacement Planting

Is this line item rebudgeted from a prior fiscal year? No.



Measure M2 Program

Streets and Roads

OC Bridges (Project O)

Description:	Lakeview Avenue Grade Sep Project - Construction Project Management Consultant			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9085-SO205-PPJ	Quantity:	1
Line Item ID:	FY20-02243	Type:	Cash	Unit Cost:	\$50,000.00
Manager:	Ross Lew			Total:	\$50,000
Grant Funded?	<input type="checkbox"/>				

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 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, 2019?

Project closeout phase.

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.
Anaheim Canyon Metrolink Station					
0018	Commuter Rail	9081	Anaheim Canyon Metrolink Station - Right-of-Way Acquisition	100,000	28
0018	Commuter Rail	9084	Anaheim Canyon Metrolink Station - Construction	13,000,000	28
0018	Commuter Rail	9085	Anaheim Canyon Metrolink Station - Construction Manageme	800,000	29
Double Track Addition in San Clemente					
0018	Commuter Rail	9082	Double Track Serra - Utility Relocation	100,000	29
Irvine Station Improvements					
0018	Commuter Rail	9082	Irvine Station and 4th Main - Utility Relocation	100,000	30
Laguna Niguel to San Juan Capistrano Passing Siding					
0018	Commuter Rail	9082	Laguna Niguel to San Juan Capistrano Passing Siding - Utility R	500,000	30
0018	Commuter Rail	9084	Laguna Niguel to San Juan Capistrano Passing Siding - Constru	1,700,000	31
0018	Commuter Rail	9084	Laguna Niguel to San Juan Capistrano Passing Siding - Signal C	550,000	31
0018	Commuter Rail	9085	Laguna Niguel to San Juan Capistrano Passing Siding - CM Serv	1,700,000	32
Miscellaneous Metrolink Rail Station Improvements					
0018	Commuter Rail	9084	Orange County Stations Rehab Project - Construction	782,000	32
Orange Transportation Center Parking Expansion					
0018	Commuter Rail	9084	Orange Transportation Center - Construction	50,000	33
Placentia Metrolink Rail Station					
0018	Commuter Rail	9084	Placentia Metrolink Station - Construction	17,575,000	33
0018	Commuter Rail	9084	Placentia Metrolink Station - Railway Construction and Manag	4,500,000	34
0018	Commuter Rail	9085	Placentia Metrolink Station - Construction Management	1,772,000	34
Rail Support Vehicles					
0018	Commuter Rail	9025	F-250 Truck 4 x 4 – Regular Cab for Metrolink Right-of-Way	55,000	35
San Juan Creek Bridge Replacement					
0017	Local Transport Auth Mea	9081	San Juan Creek Bridge Replacement - Right-of-Way Acquisitio	500,000	35
0017	Local Transport Auth Mea	9082	San Juan Creek Bridge Replacement - Right-of-Way Utilities	500,000	36
Signal Respacing and Control Point					
0018	Commuter Rail	9082	Signal Respacing Control Point Atwood - Utility Relocation	100,000	36
0018	Commuter Rail	9082	Signal Respacing Control Point Avery - Utility Relocation	100,000	37
Slope Stabilization					
0018	Commuter Rail	9082	Right-of-Way Slope Stabilization - Utility Relocation	100,000	37
Subtotal Capital - Rail				\$ 44,584,000	



Rail Program

Anaheim Canyon Metrolink Station

Description:	Anaheim Canyon Metrolink Station - Right-of-Way Acquisition			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0018-9081-C5061-TXD	Quantity:	1
Line Item ID:	FY20-02328	Type:	Cash	Unit Cost:	\$100,000.00
Manager:	Lora Cross			Total:	\$100,000
Grant Funded?	<input type="checkbox"/>				

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

Temporary construction easement related to improvements for the Anaheim Canyon station improvement project. It is assumed that access to the construction site will be through the adjacent PacifiCenter Plaza area. 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 Department.

What phase of the project does this line item support?

Construction/Right-of-Way

What phase of the project is this line item in, as of January 2, 2019?

Design

Is this line item rebudgeted from a prior fiscal year?

Yes

Description:	Anaheim Canyon Metrolink Station - Construction			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0018-9084-C5061-TXD	Quantity:	1
Line Item ID:	FY20-02322	Type:	Encumbrance	Unit Cost:	\$13,000,000.00
Manager:	Lora Cross			Total:	\$13,000,000
Grant Funded?	<input checked="" type="checkbox"/>				

Funding:	0018-6037-C5061-LJ3	Anaheim Canyon - Construction	13,000,000
			Total Funded: 13,000,000

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 Anaheim Canyon Metrolink station project. Improvements include 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.

The station will be a multi-modal transit center that will accommodate expanded Metrolink commuter rail service, OCTA local and community bus service, Stationlink rail feeder service and Anaheim resort transit. Engineer's estimate for the cost of 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, 2019?

Design

Is this line item rebudgeted from a prior fiscal year?

Yes



Anaheim Canyon Metrolink Station

Description:	Anaheim Canyon Metrolink Station - Construction Management			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0018-9085-C5061-TXD	Quantity:	1
Line Item ID:	FY20-02321	Type:	Cash	Unit Cost:	\$800,000.00
Manager:	Lora Cross			Total:	\$800,000
Grant Funded?	<input checked="" type="checkbox"/>				

Funding: 0018-6037-C5061-LJ3 Anaheim Construction Management 800,000
Total Funded: 800,000

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 project. The 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.

The Station will be a multi-modal transit center that will accommodate expanded Metrolink commuter rail service, OCTA local and community bus service, Stationlink rail feeder service, and Anaheim resort transit. Engineer's estimate.

Please explain how you arrived at the budgeted dollars requested.

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, 2019? Design

Is this line item rebudgeted from a prior fiscal year? Yes

Double Track Addition in San Clemente

Description:	Double Track Serra - Utility Relocation			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0018-9082-TR218-OSZ	Quantity:	1
Line Item ID:	FY20-02094	Type:	Cash	Unit Cost:	\$100,000.00
Manager:	Jason Lee			Total:	\$100,000
Grant Funded?	<input type="checkbox"/>				

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 wet and dry utility relocation work to be designed and relocated for the Double Track Serra project. The project will create a second track next to the existing track in the region.

Please explain how you arrived at the budgeted dollars requested. Estimate based on prior projects.

What phase of the project does this line item support? Design

What phase of the project is this line item in, as of January 2, 2019? Planning

Is this line item rebudgeted from a prior fiscal year? No



Rail Program

Irvine Station Improvements

Description:	Irvine Station and 4th Main - Utility Relocation			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0018-9082-TR215-0SV	Quantity:	1
Line Item ID:	FY20-02074	Type:	Cash	Unit Cost:	\$100,000.00
Manager:	Jason Lee			Total:	\$100,000
Grant Funded? <input type="checkbox"/>					

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 wet and dry utility relocation work to be designed and relocated for the Irvine Station and 4th Main project. This project will add a 4th track at the Irvine Metrolink station.

Please explain how you arrived at the budgeted dollars requested. Estimate based on prior projects.

What phase of the project does this line item support? Design

What phase of the project is this line item in, as of January 2, 2019? Planning

Is this line item rebudgeted from a prior fiscal year? No

Laguna Niguel to San Juan Capistrano Passing Siding

Description:	Laguna Niguel to San Juan Capistrano Passing Siding - Utility Relocation			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0018-9082-C5051-TZ2	Quantity:	1
Line Item ID:	FY20-01953	Type:	Cash	Unit Cost:	\$500,000.00
Manager:	Jason Lee			Total:	\$500,000
Grant Funded? <input type="checkbox"/>					

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 wet and dry utility relocation work to be designed and relocated for the Laguna Niguel - San Juan Capistrano passing siding project. The 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 reduced congestion and improved 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

What phase of the project is this line item in, as of January 2, 2019? Construction

Is this line item rebudgeted from a prior fiscal year? Yes



Laguna Niguel to San Juan Capistrano Passing Siding

Description:	Laguna Niguel to San Juan Capistrano Passing Siding - Construction			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0018-9084-C5051-TZ2	Quantity:	1
Line Item ID:	FY20-01954	Type:	Encumbrance	Unit Cost:	\$1,700,000.00
Manager:	Jason Lee			Total:	\$1,700,000
Grant Funded?	<input checked="" type="checkbox"/>				

Funding:	0018-6037-C5051-XKS	Laguna Niguel / San Juan Capistrano Passing Siding - Construction C	149,736
Funding:	0018-6037-C5051-XKM	Laguna Niguel / San Juan Capistrano Passing Siding - Construction C	99,824
Funding:	0018-6037-C5051-XI2	Laguna Niguel / San Juan Capistrano Passing Siding - Construction C	236,283
Funding:	0018-6037-C5051-LG3	Laguna Niguel / San Juan Capistrano Passing Siding - Construction C	1,135,796
Funding:	0018-6037-C5051-XFB	Laguna Niguel / San Juan Capistrano Passing Siding - Construction C	50,661
Total Funded:			1,672,299

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 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 existing spur track, construction of new retaining walls, relocation of utilities, extension of culverts, drainage improvements, replacement of a rail bridge, and reprofiling streets to improve grades.

Please explain how you arrived at the budgeted dollars requested. Estimated potential change order costs based on 10% of construction bid.

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, 2019? Construction

Is this line item rebudgeted from a prior fiscal year? No

Description:	Laguna Niguel to San Juan Capistrano Passing Siding - Signal Construction and Su			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0018-9084-C5051-TZ2	Quantity:	1
Line Item ID:	FY20-01964	Type:	Cash	Unit Cost:	\$550,000.00
Manager:	Jason Lee			Total:	\$550,000
Grant Funded?	<input checked="" type="checkbox"/>				

Funding:	0018-6037-C5051-LG3	Laguna Niguel / San Juan Capistrano Passing Siding - SCRRRA COOP Si	550,000
Total Funded:			550,000

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 passing siding project. The project will include adding and removing railroad control points, signal houses, positive train control, and communication systems. The 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 reduced congestion and improved reliability.

Please explain how you arrived at the budgeted dollars requested. Estimate based on 10% of the contract value for potential construction changes.

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, 2019? Construction

Is this line item rebudgeted from a prior fiscal year? Yes



Rail Program

Laguna Niguel to San Juan Capistrano Passing Siding

Description:	Laguna Niguel to San Juan Capistrano Passing Siding - CM Services			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0018-9085-C5051-TZ2	Quantity:	1
Line Item ID:	FY20-01957	Type:	Cash	Unit Cost:	\$1,700,000.00
Manager:	Jason Lee			Total:	\$1,700,000
Grant Funded?	<input checked="" type="checkbox"/>				

Funding:	0018-6037-C5051-LG3	Laguna Niguel to San Juan Capistrano Passing Siding - CM Services	1,700,000
			Total Funded: 1,700,000

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 passing siding project. The 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 reduced congestion and improved 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

What phase of the project is this line item in, as of January 2, 2019? Construction

Is this line item rebudgeted from a prior fiscal year? Yes

Miscellaneous Metrolink Rail Station Improvements

Description:	Orange County Stations Rehab Project - Construction			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0018-9084-C5063-TZR	Quantity:	1
Line Item ID:	FY20-01977	Type:	Cash	Unit Cost:	\$782,000.00
Manager:	Jason Lee			Total:	\$782,000
Grant Funded?	<input checked="" type="checkbox"/>				

Funding:	0018-6031-C5063-M8P	OC Stations Rehab Project - Construction	625,600
			Total Funded: 625,600

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 Orange County Metrolink stations. Locations include Fullerton, Santa Ana, San Clemente, Buena Park, and Laguna Niguel/Mission Viejo.

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, 2019? Planning

Is this line item rebudgeted from a prior fiscal year? Yes



Orange Transportation Center Parking Expansion

Description:	Orange Transportation Center - Construction			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0018-9084-T5422-P3F	Quantity:	1
Line Item ID:	FY20-02559	Type:	Encumbrance	Unit Cost:	\$50,000.00
Manager:	Lora Cross			Total:	\$50,000
Grant Funded? <input type="checkbox"/>					

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 parking structure project. The parking structure is 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, 2019? Construction

Is this line item rebudgeted from a prior fiscal year? No

Placentia Metrolink Rail Station

Description:	Placentia Metrolink Station - Construction			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0018-9084-A4472-HH1	Quantity:	1
Line Item ID:	FY20-02069	Type:	Encumbrance	Unit Cost:	\$17,575,000.00
Manager:	Lora Cross			Total:	\$17,575,000
Grant Funded? <input type="checkbox"/>					

Funding:	0018-6521-A4472-HH1	Interfund Transfer	14,300,000
Funding:	0018-6524-A4472-HH1	Interfund Transfer	3,275,000
Total Funded:			17,575,000

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, a parking structure, a kiss and ride area, and all amenities needed for an operational station. The Placentia Metrolink station will be located on the Burlington Northern Santa Fe (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, 2019? Final Design

Is this line item rebudgeted from a prior fiscal year? Yes



Rail Program

Placentia Metrolink Rail Station

Description:	Placentia Metrolink Station - Railway Construction and Management Agreement			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0018-9084-A4472-HH1	Quantity:	1
Line Item ID:	FY20-02070	Type:	Encumbrance	Unit Cost:	\$4,500,000.00
Manager:	Lora Cross			Total:	\$4,500,000
Grant Funded?	<input type="checkbox"/>				
Funding:	0018-6524-A4472-HH1 Interfund Transfer				4,500,000
				Total Funded:	4,500,000

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 Burlington Northern Santa Fe (BNSF) for the track and signal portion of the Placentia Metrolink station. The project will also include a third track. This should assist with the on-time performance of train operations and provide operational flexibility for both freight and passenger trains. 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.

Budget is based on the engineer's estimate of design.

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, 2019?

Final Design

Is this line item rebudgeted from a prior fiscal year?

Yes

Description:	Placentia Metrolink Station - Construction Management			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0018-9085-A4472-HH1	Quantity:	1
Line Item ID:	FY20-02320	Type:	Cash	Unit Cost:	\$1,772,000.00
Manager:	Lora Cross			Total:	\$1,772,000
Grant Funded?	<input type="checkbox"/>				
Funding:	0018-6524-A4472-HH1 Interfund Transfer				1,772,000
				Total Funded:	1,772,000

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 Burlington Northern Santa Fe 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, 2019?

Final Design

Is this line item rebudgeted from a prior fiscal year?

Yes



Rail Support Vehicles

Description:	F-250 Truck 4 x 4 – Regular Cab for Metrolink Right-of-Way			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0018-9025-D2113-03I	Quantity:	1
Line Item ID:	FY20-02759	Type:	Encumbrance	Unit Cost:	\$55,000.00
Manager:	Gerald Smith			Total:	\$55,000
Grant Funded? <input type="checkbox"/>					

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 currently in progress. According to the new non-revenue fleet policy, the useful life of a special purpose vehicle is 10 years or 100,000 mileage. Unit 9887 has a current mileage of 95,682 with projected mileage of 110,811 at the end of Fiscal Year 2020, and has met the useful life per the policy. This request is to support the replacement of unit 9887.

Please explain how you arrived at the budgeted dollars requested. Web research on F-250 4 x 4 model which is currently utilized on Right-of-Way for Metrolink.

What phase of the project does this line item support? Purchase based on Authority’s Transit Asset Management Plan.

What phase of the project is this line item in, as of January 2, 2019? Purchase based on Authority’s Transit Asset Management Plan.

Is this line item rebudgeted from a prior fiscal year? No.

San Juan Creek Bridge Replacement

Description:	San Juan Creek Bridge Replacement - Right-of-Way Acquisition Services			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9081-TR022-ODM	Quantity:	1
Line Item ID:	FY20-01948	Type:	Cash	Unit Cost:	\$500,000.00
Manager:	Jason Lee			Total:	\$500,000
Grant Funded? <input type="checkbox"/>					

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 acquisition services from private and public property owners for the San Juan Creek Bridge Replacement Project. Property rights will include Temporary Construction Easements (TCEs), permanent easements, and in-fee rights. Metrolink in cooperation with OCTA proposes to replace a 100-year old railroad bridge. The bridge carries a single mainline track for passenger and freight rail traffic over San Juan Creek in San Juan Capistrano. The project will replace the bridge to increase safety and reduce maintenance.

Please explain how you arrived at the budgeted dollars requested. The budgeted amount is based on real property department estimates.

What phase of the project does this line item support? Right of Way (ROW)

What phase of the project is this line item in, as of January 2, 2019? Design

Is this line item rebudgeted from a prior fiscal year? Yes



Rail Program

San Juan Creek Bridge Replacement

Description:	San Juan Creek Bridge Replacement - Right-of-Way Utilities			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0017-9082-TR022-ODM	Quantity:	1
Line Item ID:	FY20-01950	Type:	Cash	Unit Cost:	\$500,000.00
Manager:	Jason Lee			Total:	\$500,000
Grant Funded? <input type="checkbox"/>					

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. Metrolink, in cooperation with OCTA, proposes to replace a 100-year old railroad bridge. The bridge carries a single mainline track for passenger and freight rail traffic over San Juan Creek in San Juan Capistrano. The project will replace the bridge to increase safety and reduce maintenance.

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 and construction.

What phase of the project is this line item in, as of January 2, 2019? Design phase.

Is this line item rebudgeted from a prior fiscal year? Yes.

Signal Respacing and Control Point

Description:	Signal Respacing Control Point Atwood - Utility Relocation			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0018-9082-TR216-OSX	Quantity:	1
Line Item ID:	FY20-02075	Type:	Cash	Unit Cost:	\$100,000.00
Manager:	Jason Lee			Total:	\$100,000
Grant Funded? <input type="checkbox"/>					

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 wet and dry utility relocation work to be designed and relocated for the signal respacing Control Point Atwood project.

Please explain how you arrived at the budgeted dollars requested. Estimate based on prior projects.

What phase of the project does this line item support? Design

What phase of the project is this line item in, as of January 2, 2019? Planning

Is this line item rebudgeted from a prior fiscal year? No



Signal Respacing and Control Point

Description:	Signal Respacing Control Point Avery - Utility Relocation			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0018-9082-TR221-0T0	Quantity:	1
Line Item ID:	FY20-02109	Type:	Cash	Unit Cost:	\$100,000.00
Manager:	Jason Lee			Total:	\$100,000
Grant Funded? <input type="checkbox"/>					

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 wet and dry utility relocation work to be designed and relocated for the signal respacing Control Point Avery project.

Please explain how you arrived at the budgeted dollars requested. Estimate based on prior projects.

What phase of the project does this line item support? Design

What phase of the project is this line item in, as of January 2, 2019? Planning

Is this line item rebudgeted from a prior fiscal year? No

Slope Stabilization

Description:	Right-of-Way Slope Stabilization - Utility Relocation			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0018-9082-C5052-0N9	Quantity:	1
Line Item ID:	FY20-01970	Type:	Cash	Unit Cost:	\$100,000.00
Manager:	Jason Lee			Total:	\$100,000
Grant Funded? <input type="checkbox"/>					

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 right of way (ROW) of the slope stabilization project. If unknown utilities are encountered during construction of the slope stabilization, these utilities may require relocation. The slope stabilization project will provide improvements to the slopes and reduce risks of future damage to the rail corridor.

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

What phase of the project is this line item in, as of January 2, 2019? Construction

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	OC Streetcar - Right-of-Way Acquisition and Relocation	1,000,000	40
0051	Transit Development Cap	9015	OC Streetcar - Right-of-Way Acquisition	650,000	40
0051	Transit Development Cap	9016	OC Streetcar - Right-of-Way Utilities	13,120,129	41
0051	Transit Development Cap	9017	OC Streetcar - Construction Services - P10	2,190,000	41
0051	Transit Development Cap	9017	OC Streetcar - Construction Services - P20	420,000	42
0051	Transit Development Cap	9017	OC Streetcar - Construction Services - P30	1,900,000	42
0051	Transit Development Cap	9017	OC Streetcar - Construction Services - P40	3,800,000	43
0051	Transit Development Cap	9017	OC Streetcar - Construction Services - P50	2,830,000	43
0051	Transit Development Cap	9017	OC Streetcar - Ticket Vending Machines	1,280,258	44
0051	Transit Development Cap	9017	OC Streetcar - Sewer Line Utility Inspections	400,000	44
0051	Transit Development Cap	9018	OC Streetcar - Construction Management Services	5,100,000	45
0051	Transit Development Cap	9025	Buck Truck	162,064	45
0051	Transit Development Cap	9025	Pallet Stacker	28,160	46
0051	Transit Development Cap	9025	Rail Sweeper	162,064	46
0051	Transit Development Cap	9025	Tow Vehicle	540,212	47
0051	Transit Development Cap	9026	OC Streetcar - Owner Supplied Vehicle Equipment	969,571	47
0051	Transit Development Cap	9026	OC Streetcar - Vehicle Spare Parts and Special Tools	1,000,000	48
Subtotal Capital - OC Streetcar				\$ 35,552,458	



OC Streetcar

OC Streetcar

Description:	OC Streetcar - Right-of-Way Acquisition and Relocation			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0051-9015-TS010-999	Quantity:	1
Line Item ID:	FY20-02388	Type:	Cash	Unit Cost:	\$1,000,000.00
Manager:	Mary Shavaliar			Total:	\$1,000,000
Grant Funded? <input type="checkbox"/>					

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. 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, 2019? Construction.

Is this line item rebudgeted from a prior fiscal year? Yes.

Description:	OC Streetcar - Right-of-Way Acquisition			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0051-9015-TS010-Z61	Quantity:	1
Line Item ID:	FY20-02387	Type:	Cash	Unit Cost:	\$650,000.00
Manager:	Mary Shavaliar			Total:	\$650,000
Grant Funded? <input type="checkbox"/>					

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 related to the acquisition of the MSF (Maintenance Storage Facility) property required for the OC Streetcar project. Cost is expected to be negotiated with the owner of the residential property.

Please explain how you arrived at the budgeted dollars requested. The budget is based on projected costs for acquisitions.

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, 2019? Construction.

Is this line item rebudgeted from a prior fiscal year? Yes.



OC Streetcar

Description:	OC Streetcar - Right-of-Way Utilities			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0051-9016-TS010-Z42	Quantity:	1
Line Item ID:	FY20-02744	Type:	Cash	Unit Cost:	\$13,120,129.00
Manager:	Mary Shavaliar			Total:	\$13,120,129
Grant Funded?	<input type="checkbox"/>				

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 represents the costs associated with utility relocations for the right-of-way phase of the overall project.

Please explain how you arrived at the budgeted dollars requested. Budget was based on cost estimates provided by the utility companies.

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, 2019? Construction.

Is this line item rebudgeted from a prior fiscal year? No.

Description:	OC Streetcar - Construction Services - P10			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0051-9017-TS010-Z10	Quantity:	1
Line Item ID:	FY20-02389	Type:	Encumbrance	Unit Cost:	\$2,190,000.00
Manager:	Mary Shavaliar			Total:	\$2,190,000
Grant Funded?	<input checked="" type="checkbox"/>				

Funding:	0051-6041-TS010-Z10	OC Streetcar Construction Services- P10	1,127,479
Funding:	0051-6043-TS010-Z10	OC Streetcar Construction Services- P10	64,842
Funding:	0051-6061-TS010-Z10	OC Streetcar Construction Services- P10	407,786
Total Funded:			1,600,107

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables. Additional services for the streetcar construction contract for the track and guideway element. This line item includes 4.15 miles of guideway for the Project and direct fixation, embedded, ballasted and special track work

Please explain how you arrived at the budgeted dollars requested. Assumes 5% of construction contract for additional services.

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, 2019? Construction.

Is this line item rebudgeted from a prior fiscal year? Yes.



OC Streetcar

OC Streetcar

Description:	OC Streetcar - Construction Services - P20			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0051-9017-TS010-Z20	Quantity:	1
Line Item ID:	FY20-02390	Type:	Encumbrance	Unit Cost:	\$420,000.00
Manager:	Mary Shavaliar			Total:	\$420,000
Grant Funded?	<input checked="" type="checkbox"/>				

Funding:	0051-6041-TS010-Z20	OC Streetcar Construction Services - P20	142,128
			Total Funded: 142,128

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables. Additional services for the streetcar construction contract for the station elements. This line item includes 10 new streetcar stations, three of which are station pairs. These stations and facilities are designed to meet current Americans with Disabilities Act (ADA) requirements for transit facilities.

Please explain how you arrived at the budgeted dollars requested. Assumes 5% of construction contract for additional services.

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, 2019? Construction.

Is this line item rebudgeted from a prior fiscal year? Yes.

Description:	OC Streetcar - Construction Services - P30			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0051-9017-TS010-Z30	Quantity:	1
Line Item ID:	FY20-02391	Type:	Encumbrance	Unit Cost:	\$1,900,000.00
Manager:	Mary Shavaliar			Total:	\$1,900,000
Grant Funded?	<input checked="" type="checkbox"/>				

Funding:	0051-6041-TS010-Z30	OC Streetcar Construction Services- P30	426,138
Funding:	0051-6061-TS010-Z30	OC Streetcar Construction Services- P30	727,737
			Total Funded: 1,153,875

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables. Additional services for the streetcar construction contract for the maintenance and storage facility element. This line item includes costs associated with support facilities, including costs for rough grading, excavation, support structures, enclosures, finishes, equipment; mechanical and electrical components including heating, ventilation, air conditioning shafts and equipment, facility power, lighting, public address system, safety systems such as fire detection and prevention, security surveillance, access control, life safety systems, etc.

Please explain how you arrived at the budgeted dollars requested. Assumes 5% of the construction contract for additional services.

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, 2019? Construction.

Is this line item rebudgeted from a prior fiscal year? Yes.



OC Streetcar

Description:	OC Streetcar - Construction Services - P40			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0051-9017-TS010-Z40	Quantity:	1
Line Item ID:	FY20-02395	Type:	Encumbrance	Unit Cost:	\$3,800,000.00
Manager:	Mary Shavalier			Total:	\$3,800,000
Grant Funded?	<input checked="" type="checkbox"/>				

Funding:	0051-6041-TS010-Z40	OC Streetcar Construction -P40	1,769,444
			Total Funded: 1,769,444

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables. Additional services for the streetcar construction contract for the site work and special conditions elements, including city utility relocations. This line item includes all necessary site work and special work associated with utilities, hazardous materials, environmental mitigations, landscaping, street modifications, station amenities, and temporary facilities needed for the construction of the Project.

Please explain how you arrived at the budgeted dollars requested. Assumes 5% of the construction contract for additional services.

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, 2019? Construction.

Is this line item rebudgeted from a prior fiscal year? Yes.

Description:	OC Streetcar - Construction Services - P50			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0051-9017-TS010-Z50	Quantity:	1
Line Item ID:	FY20-02400	Type:	Encumbrance	Unit Cost:	\$2,830,000.00
Manager:	Mary Shavalier			Total:	\$2,830,000
Grant Funded?	<input checked="" type="checkbox"/>				

Funding:	0051-6041-TS010-Z50	OC Streetcar Construction Services - P50	1,441,615
			Total Funded: 1,441,615

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables. Additional services for the streetcar construction contract for the systems elements, including traction power supply, signals, and communications. This line item includes train control, traction power supply, traction power distribution, communications, fare collection, and modification of the central control facilities.

Please explain how you arrived at the budgeted dollars requested. Assumes 5% of the construction contract for additional services.

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, 2019? Construction.

Is this line item rebudgeted from a prior fiscal year? Yes.



OC Streetcar

OC Streetcar

Description:	OC Streetcar - Ticket Vending Machines			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0051-9017-TS010-Z55	Quantity:	1
Line Item ID:	FY20-02419	Type:	Encumbrance	Unit Cost:	\$1,280,258.00
Manager:	Cleve Cleveland			Total:	\$1,280,258
Grant Funded?	<input checked="" type="checkbox"/>				

Funding:	0051-6041-TS010-Z55	OC Streetcar TVM	652,169
			Total Funded: 652,169

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables. The 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. Estimate includes the manufacturing, installation and integration of 18 machines plus 2 spares. Estimate also includes inspection devices.

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, 2019? Construction.

Is this line item rebudgeted from a prior fiscal year? Yes.

Description:	OC Streetcar - Sewer Line Utility Inspections			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0051-9017-TS010-Z86	Quantity:	1
Line Item ID:	FY20-02456	Type:	Cash	Unit Cost:	\$400,000.00
Manager:	Mary Shavalier			Total:	\$400,000
Grant Funded?	<input checked="" type="checkbox"/>				

Funding:	0051-6041-TS010-Z86	OC Streetcar OCSD	53,014
Funding:	0051-6043-TS010-Z86	OC Streetcar OCSD	180,001
			Total Funded: 233,016

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 activities to be undertaken by Orange County Sanitation District (OCSD) staff and consultants in performing inspections of the construction work for the relocation and protection of OCSD sewer lines that will be performed by the OC Streetcar Construction contractor.

Please explain how you arrived at the budgeted dollars requested. The costs were included in Utility Agreement No.001 UA-OCSD between OCTA and OCSD (executed May 23, 2018). This estimate is the cost that is anticipated to be incurred in the fiscal year.

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, 2019? Construction

Is this line item rebudgeted from a prior fiscal year? Yes



OC Streetcar

Description:	OC Streetcar - Construction Management Services			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0051-9018-TS010-Z84	Quantity:	1
Line Item ID:	FY20-02430	Type:	Cash	Unit Cost:	\$5,100,000.00
Manager:	Mary Shavalier			Total:	\$5,100,000
Grant Funded?	<input checked="" type="checkbox"/>				
Funding:	0051-6041-TS010-Z84	OC Streetcar-PGH Wong Construction Management Services		675,932	
Funding:	0051-6043-TS010-Z84	OC Streetcar-PGH Wong Construction Management Services		2,295,017	
				Total Funded:	2,970,949

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 with contract terms. Contract Terms Including administration, inspection services, quality assurance verification, surveying and coordination of third party utilities. The contractor will oversee the construction of beginning of milestone 1, which includes the completion of the MSF (Maintenance Service Facility) and the 1.5 mile test track.

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 2020.

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, 2019? Construction.

Is this line item rebudgeted from a prior fiscal year? Yes.

Description:	Buck Truck			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0051-9025-TS010-Z76	Quantity:	1
Line Item ID:	FY20-02750	Type:	Encumbrance	Unit Cost:	\$162,064.00
Manager:	Cleve Cleveland			Total:	\$162,064
Grant Funded?	<input checked="" type="checkbox"/>				
Funding:	0051-6043-TS010-Z76	OC Streetcar Non Revenue Vehicles		26,915	
				Total Funded:	26,915

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 buck truck required for maintenance of the streetcar.

Please explain how you arrived at the budgeted dollars requested. Cost estimates 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, 2019? Construction

Is this line item rebudgeted from a prior fiscal year? Yes



OC Streetcar

OC Streetcar

Description:	Pallet Stacker			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0051-9025-TS010-Z76	Quantity:	1
Line Item ID:	FY20-02752	Type:	Encumbrance	Unit Cost:	\$28,160.00
Manager:	Cleve Cleveland			Total:	\$28,160
Grant Funded? <input checked="" type="checkbox"/>					

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 vehicle, a pallet stacker, required for maintenance of the streetcar.

Please explain how you arrived at the budgeted dollars requested. Cost estimates 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, 2019? Construction.

Is this line item rebudgeted from a prior fiscal year? Yes.

Description:	Rail Sweeper			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0051-9025-TS010-Z76	Quantity:	1
Line Item ID:	FY20-02751	Type:	Encumbrance	Unit Cost:	\$162,064.00
Manager:	Cleve Cleveland			Total:	\$162,064
Grant Funded? <input checked="" type="checkbox"/>					

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 vehicle required for maintenance of the OC Streetcar. The rail sweeper is used to clean the areas around rails.

Please explain how you arrived at the budgeted dollars requested. Cost estimates 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, 2019? Construction

Is this line item rebudgeted from a prior fiscal year? Yes



OC Streetcar

Description:	Tow Vehicle			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0051-9025-TS010-Z76	Quantity:	1
Line Item ID:	FY20-02435	Type:	Encumbrance	Unit Cost:	\$540,212.00
Manager:	Cleve Cleveland			Total:	\$540,212
Grant Funded?	<input checked="" type="checkbox"/>				
Funding:	0051-6041-TS010-Z76	OC Streetcar Non Revenue Vehicles		264,823	
Funding:	0051-6043-TS010-Z76	OC Streetcar Non Revenue Vehicles		275,389	
				Total Funded:	540,212

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 maintenance of the streetcar. This primarily includes a specialized vehicle that is designed to tow streetcars.

Please explain how you arrived at the budgeted dollars requested. Cost estimates 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, 2019? Construction.

Is this line item rebudgeted from a prior fiscal year? Yes.

Description:	OC Streetcar - Owner Supplied Vehicle Equipment			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0051-9026-TS010-Z71	Quantity:	1
Line Item ID:	FY20-02462	Type:	Encumbrance	Unit Cost:	\$969,571.00
Manager:	Cleve Cleveland			Total:	\$969,571
Grant Funded?	<input checked="" type="checkbox"/>				
Funding:	0051-6041-TS010-Z71	OC Streetcar Owner Supplied Vehicle Equipment		287,691	
Funding:	0051-6043-TS010-Z71	OC Streetcar Owner Supplied Vehicle Equipment		328,409	
				Total Funded:	616,100

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 owner supplied equipment required for the streetcar owner supplied vehicle equipment that includes a radio system, a passenger fare validator, transit signal priority equipment, and the automated vehicle locator and passenger counter. This equipment is being bought to interface with the CAD/AVL technology on OCTA buses.

Please explain how you arrived at the budgeted dollars requested. Costs were obtained from equipment purchases for the OC Bus Projects and other streetcar 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, 2019? Construction.

Is this line item rebudgeted from a prior fiscal year? Yes.



OC Streetcar

OC Streetcar

Description:	OC Streetcar - Vehicle Spare Parts and Special Tools			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0051-9026-TS010-Z71	Quantity:	1
Line Item ID:	FY20-02459	Type:	Encumbrance	Unit Cost:	\$1,000,000.00
Manager:	Cleve Cleveland			Total:	\$1,000,000
Grant Funded?	<input checked="" type="checkbox"/>				

Funding:	0051-6041-TS010-Z71	OC Streetcar Vehicle Spare Parts and Special Tools	296,720
Funding:	0051-6043-TS010-Z71	OC Streetcar Vehicle Spare Parts and Special Tools	338,716
Total Funded:			635,436

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables. Additional amount requested for the acquisition of spare parts, specialized tools, and equipment required for OC Streetcar vehicle maintenance. Spare parts include the purchase of a complete power truck assembly, bumper and emergency battery drive. Special tools include wheel lathe tie downs, articulation, gas strut tool, bellows repair kit and a dynamic envelope template.

Please explain how you arrived at the budgeted dollars requested. The estimate is based on discussions with the vehicle manufacturer.

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, 2019? Construction.

Is this line item rebudgeted from a prior fiscal year? Yes.

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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	862,000	52
0036	91 Express Lanes	9028	91 Express Lanes Back Office System	8,500,000	52
0036	91 Express Lanes	9028	Personal Computer Components	55,000	53
0036	91 Express Lanes	9030	Title 21 Transponders (Switchables)	465,000	53
I-405 Express Lanes					
405 Express Lanes					
0037	I-405 Express Lane	9015	I-405, SR-73 to I-605 - Right-of-Way Capital	12,640,000	54
0037	I-405 Express Lane	9016	I-405, SR-73 to I-605 - Right-of-Way Utilities	5,125,000	54
0037	I-405 Express Lane	9017	I-405, SR-73 to I-605 - Project Allotment (405 Express Lanes)	5,579,000	55
0037	I-405 Express Lane	9017	I-405, SR-73 to I-605 - City Coop Agreements	810,000	55
0037	I-405 Express Lane	9018	I-405, SR-73 to I-605 - Construction Management Consultant S	1,800,000	56
0037	I-405 Express Lane	9018	I-405, SR-73 to I-605 - Caltrans Coop Agreement	1,175,000	56
0037	I-405 Express Lane	9018	I-405, SR-73 to I-605 - Project Management Consultant Suppo	4,750,000	57
0037	I-405 Express Lane	9028	405 Express Lanes Back Office System	13,000,000	57
0037	I-405 Express Lane	9028	I-405, SR-73 to I-605 - Toll Management System Funding	150,000	58
Subtotal Capital - Express Lanes				\$ 54,911,000	



Express Lanes

91 Express Lanes

91 Express Lanes Capital Expense

Description:	Leasehold Improvements to the Customer Service Center			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0036-9023-B0001-0GZ	Quantity:	1
Line Item ID:	FY20-02562	Type:	Cash	Unit Cost:	\$862,000.00
Manager:	Ellen Lee			Total:	\$862,000
Grant Funded? <input type="checkbox"/>					

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 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. This is an 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, 2019? Planning

Is this line item rebudgeted from a prior fiscal year? Yes

Description:	91 Express Lanes Back Office System			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0036-9028-B0001-1GO	Quantity:	1
Line Item ID:	FY20-02197	Type:	Encumbrance	Unit Cost:	\$8,500,000.00
Manager:	Ellen Lee			Total:	\$8,500,000
Grant Funded? <input type="checkbox"/>					

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 will include 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. This is to be fully expensed by OCTA without reimbursements or offsetting revenues.

Please explain how you arrived at the budgeted dollars requested. The amount is based on consultants' estimates.

What phase of the project does this line item support? Design, development, and implementation.

What phase of the project is this line item in, as of January 2, 2019? Pre-planning

Is this line item rebudgeted from a prior fiscal year? Yes



91 Express Lanes

91 Express Lanes Capital Expense

Description:	Personal Computer Components			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0036-9028-B0001-H3F	Quantity:	1
Line Item ID:	FY20-02184	Type:	Cash	Unit Cost:	\$55,000.00
Manager:	Ellen Lee			Total:	\$55,000
Grant Funded? <input type="checkbox"/>					

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, switches, printers, and firewall equipment.

Please explain how you arrived at the budgeted dollars requested. The estimate based upon historical amounts.

What phase of the project does this line item support? Ongoing

What phase of the project is this line item in, as of January 2, 2019? Ongoing

Is this line item rebudgeted from a prior fiscal year? Yes

Description:	Title 21 Transponders (Switchables)			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0036-9030-B0001-AD4	Quantity:	1
Line Item ID:	FY20-02185	Type:	Cash	Unit Cost:	\$465,000.00
Manager:	Ellen Lee			Total:	\$465,000
Grant Funded? <input type="checkbox"/>					

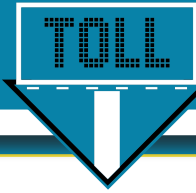
Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables. The procurement of switchable Title 21 transponders for the 91 Express Lanes.

Please explain how you arrived at the budgeted dollars requested. The requested amount is based on estimates

What phase of the project does this line item support? Ongoing

What phase of the project is this line item in, as of January 2, 2019? Ongoing

Is this line item rebudgeted from a prior fiscal year? Yes



Express Lanes

I-405 Express Lanes

405 Express Lanes

Description:	I-405, SR-73 to I-605 - Right-of-Way Capital			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0037-9015-A9510-0DW	Quantity:	1
Line Item ID:	FY20-02214	Type:	Cash	Unit Cost:	\$12,640,000.00
Manager:	Dennis Mak			Total:	\$12,640,000
Grant Funded?	<input type="checkbox"/>				

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 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 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, 2019? Right-of-way phase.

Is this line item rebudgeted from a prior fiscal year? Yes.

Description:	I-405, SR-73 to I-605 - Right-of-Way Utilities			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0037-9016-A9510-0DW	Quantity:	1
Line Item ID:	FY20-02217	Type:	Cash	Unit Cost:	\$5,125,000.00
Manager:	Dennis Mak			Total:	\$5,125,000
Grant Funded?	<input type="checkbox"/>				

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables. This represents the relocation of multiple utilities for the project prior to and during the design and construction phases 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 parcel.

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, 2019? Utility relocation phase.

Is this line item rebudgeted from a prior fiscal year? Yes.



I-405 Express Lanes

405 Express Lanes

Description:	I-405, SR-73 to I-605 - Project Allotment (405 Express Lanes)			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0037-9017-A9510-0GM	Quantity:	1
Line Item ID:	FY20-02200	Type:	Encumbrance	Unit Cost:	\$5,579,000.00
Manager:	Dennis Mak			Total:	\$5,579,000
Grant Funded? <input type="checkbox"/>					

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables. This is to support existing agreement C-5-3843 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 annual project expenditures for the design and construction of the overall 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 22% of M2 funding to cover costs associated to the M2 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, 2019? Design and construction phases.

Is this line item rebudgeted from a prior fiscal year? Yes

Description:	I-405, SR-73 to I-605 - City Coop Agreements			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0037-9017-A9510-0I2	Quantity:	1
Line Item ID:	FY20-02220	Type:	Cash	Unit Cost:	\$810,000.00
Manager:	Dennis Mak			Total:	\$810,000
Grant Funded? <input type="checkbox"/>					

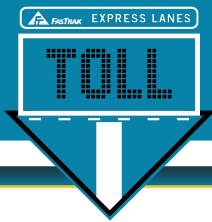
Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables. This is for an existing agreement with OC 405 Partners for the I-405, SR-73 to I-605 project. The project will add new lanes, improve interchanges, and widen local 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 express 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 22% of non-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 the design and construction phases of work.

What phase of the project is this line item in, as of January 2, 2019? Design and construction phases.

Is this line item rebudgeted from a prior fiscal year? Yes.



Express Lanes

I-405 Express Lanes

405 Express Lanes

Description:	I-405, SR-73 to I-605 - Construction Management Consultant Services			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0037-9018-A9510-0DY	Quantity:	1
Line Item ID:	FY20-02208	Type:	Cash	Unit Cost:	\$1,800,000.00
Manager:	Dennis Mak			Total:	\$1,800,000
Grant Funded? <input type="checkbox"/>					

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

This is an 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, management of independent quality assurance testing, preparation of daily construction activity reports, performance of control point 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, and processing claims. The budget request is for costs associated with these services related to the express 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 for the fiscal year at a rate of 25% of the non-M2 funding to cover costs necessary to implement the express lanes of 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, 2019?

Design and construction phases.

Is this line item rebudgeted from a prior fiscal year?

Yes.

Description:	I-405, SR-73 to I-605 - Caltrans Coop Agreement			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0037-9018-A9510-0KM	Quantity:	1
Line Item ID:	FY20-02210	Type:	Cash	Unit Cost:	\$1,175,000.00
Manager:	Dennis Mak			Total:	\$1,175,000
Grant Funded? <input type="checkbox"/>					

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

This supports the Existing Cooperative Agreement C-4-1847 with Caltrans. The 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 of the project.

What phase of the project does this line item support?

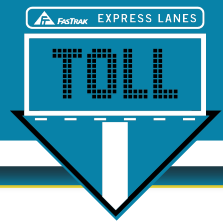
This line item will support the design and construction phases of work.

What phase of the project is this line item in, as of January 2, 2019?

Design and construction phases.

Is this line item rebudgeted from a prior fiscal year?

Yes.



I-405 Express Lanes

405 Express Lanes

Description:	I-405, SR-73 to I-605 - Project Management Consultant Support Services			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0037-9018-A9510-TZF	Quantity:	1
Line Item ID:	FY20-02202	Type:	Cash	Unit Cost:	\$4,750,000.00
Manager:	Dennis Mak			Total:	\$4,750,000
Grant Funded? <input type="checkbox"/>					

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables. This is for existing agreement C-2-1513 with Parsons Transportation Group, Inc., for the I-405 Improvement Project. The Program Management Consultant (PMC) shall assist OCTA in providing staff assistance and technical expertise to help manage the project. The consultant shall assist OCTA's Highway Programs in planning, managing, and controlling the overall project from environmental phase to construction completion. The budget request is for costs associated with these services for the express lanes of the overall 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 for the fiscal year at a rate of 25% for the non-M2 funding to cover costs necessary to implement the express lanes of the project.

What phase of the project does this line item support? This line item will support the design, right-of-way, and construction phases.

What phase of the project is this line item in, as of January 2, 2019? Design, right-of-way, and construction phases.

Is this line item rebudgeted from a prior fiscal year? Yes.

Description:	405 Express Lanes Back Office System			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0037-9028-A9510-1GO	Quantity:	1
Line Item ID:	FY20-02198	Type:	Encumbrance	Unit Cost:	\$13,000,000.00
Manager:	Ellen Lee			Total:	\$13,000,000
Grant Funded? <input type="checkbox"/>					

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 the 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? Design, development and implementation.

What phase of the project is this line item in, as of January 2, 2019? Pre-planning

Is this line item rebudgeted from a prior fiscal year? Yes



Express Lanes

I-405 Express Lanes

405 Express Lanes

Description:	I-405, SR-73 to I-605 - Toll Management System Funding			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0037-9028-A9510-GXM	Quantity:	1
Line Item ID:	FY20-02224	Type:	Encumbrance	Unit Cost:	\$150,000.00
Manager:	Steven King			Total:	\$150,000
Grant Funded? <input type="checkbox"/>					

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 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 approved funding 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 total 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, 2019?

Design and construction phases.

Is this line item rebudgeted from a prior fiscal year?

Yes.

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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 Emergen	9027	Call Box Radio Upgrade	393,125	62
0013	Svc Auth For Fwy Emergen	9028	Freeway Service Patrol Application Development	50,000	62
Subtotal Capital - Motorist Services				\$ 443,125	



Motorist Services

SAFE

Freeway Service Patrol (SAFE)

Description:	Call Box Radio Upgrade			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0013-9027-S1001-ASM	Quantity:	425
Line Item ID:	FY20-01792	Type:	Cash	Unit Cost:	\$925.00
Manager:	Patrick Sampson			Total:	\$393,125
Grant Funded? <input type="checkbox"/>					

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables. This request is for a Call Box Radio Upgrade to 4th Generation (4G) or better cellular radios, required as the result of an AT&T platform migration to more advanced cellular networks. This will include a new callbox cellular radio and the reprogramming of the existing call box circuit board.

Please explain how you arrived at the budgeted dollars requested. Vendor research of available equipment.

What phase of the project does this line item support? Ongoing Maintenance and Support

What phase of the project is this line item in, as of January 2, 2019? Ongoing Maintenance and Support

Is this line item rebudgeted from a prior fiscal year? No

Description:	Freeway Service Patrol Application Development			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0013-9028-S1002-TC2	Quantity:	1
Line Item ID:	FY20-01693	Type:	Cash	Unit Cost:	\$50,000.00
Manager:	Patrick Sampson			Total:	\$50,000
Grant Funded? <input type="checkbox"/>					

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 C-7-1557.

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.

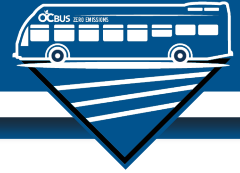
What phase of the project does this line item support? Ongoing development and improvement of application functionality.

What phase of the project is this line item in, as of January 2, 2019? The system was originally deployed in January 2012. Staff is now working on ongoing development and improvements to application functionality.

Is this line item rebudgeted from a prior fiscal year? No, this will be budgeted for additional ongoing development projects each year.

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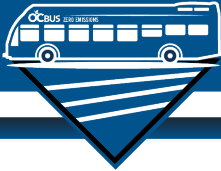


Bus					
Line Item Controlled Capital					
Org- Key	Department / Fund Name	Obj	Line Item Description	Budget	Page No.
Bus Base and Transit Center Projects					
1722	Facilities Engineering	9022	Bus Wash Building Repairs at Irvine Construction Circle Base	44,000	67
1722	Facilities Engineering	9022	Steam Clean Rack Hoist Replacement at Irvine Construction Ci	150,000	67
1722	Facilities Engineering	9022	Restroom Walls and Plumbing Replacement Irvine Constructio	24,000	68
1722	Facilities Engineering	9022	Electrical Room Ventilation at Irvine Construction Circle Bus B	50,000	68
1722	Facilities Engineering	9022	Depot Construction and Charger Installation	809,999	69
1722	Facilities Engineering	9022	Electrical Service for Liquid Hydrogen Fueling Station at Santa	311,000	69
1722	Facilities Engineering	9022	Hydrogen Gas Detection and Ventilation for 10 Hydrogen Bus	150,000	70
1722	Facilities Engineering	9022	Heating and Ventilation Unit Replacements at Anaheim Base	660,000	70
1722	Facilities Engineering	9022	Standby Backup Power Generator Replacements at Anaheim	600,000	71
1722	Facilities Engineering	9022	Luminaire Replacement In Bus Yard at Anaheim Base	250,000	71
1722	Facilities Engineering	9022	Light Pole and Luminaire Replacement at Golden West Transp	250,000	72
1722	Facilities Engineering	9022	Removal of Liquified Natural Gas Underground Storage Tanks	180,000	72
1722	Facilities Engineering	9022	Revitalization of Bus Platform and Canopies at Fullerton Trans	70,000	73
1722	Facilities Engineering	9022	Fire Protection Coating Structural Steel for Maintenance Build	250,000	73
1722	Facilities Engineering	9022	Heating, Ventilation, and Air Conditioning Unit Replacements	210,000	74
1722	Facilities Engineering	9022	Roofing Replacement at Garden Grove Annex Lower Building	15,000	74
1722	Facilities Engineering	9022	Pedestrian Access to Santa Ana Base Operations Building	33,000	75
1722	Facilities Engineering	9022	Facility Modifications Maintenance Building Locker Room at S	250,000	75
1722	Facilities Engineering	9022	Bus Bay Side Manlifts in Maintenance Shop at Santa Ana Base	400,000	76
1722	Facilities Engineering	9022	Steam Clean Hoist	300,000	76
1722	Facilities Engineering	9022	Fullerton Park and Ride - Rehabilitation Bus Dock Platform an	85,000	77
1722	Facilities Engineering	9022	Reconstruction of Asphalt Pavement at Fullerton Park and Rid	225,000	77
1722	Facilities Engineering	9022	Design/Installation of Video Surveillance Systems	75,000	78
1722	Facilities Engineering	9026	Security System Camera Upgrades at Santa Ana and Garden G	64,000	78
2114	Transit Technical Services	9022	Depot Charges	387,900	79
2128	Ops Planning & Schedulin	9022	Improve Customer Amenities	600,000	79
2147	Paratransit Support	9028	Trapeze Eligibility Management Software	53,288	80
2159	Maintenance Resource M	9026	Portable Hoist and Wheel Alignment Machine	315,000	80
2159	Maintenance Resource M	9026	Electric Vehicles Charging Equipment	45,000	81
2166	Facilities Maintenance Ad	9022	Lighting Upgrade for Bus Bases - Bus Wash and Detail Areas	100,000	81
2166	Facilities Maintenance Ad	9022	Park-n-Ride and Transportation Center Modernization	277,000	82
2166	Facilities Maintenance Ad	9026	Parts Washers for Maintenance at Bus Bases	28,000	82
2166	Facilities Maintenance Ad	9026	Water and Ice Dispensers	12,000	83
2169	Maintenance Training	9028	80 Inch Touch Screen Display	10,000	83



Bus Program

Bus					
Line Item Controlled Capital					
Org- Key	Department / Fund Name	Obj	Line Item Description	Budget	Page No.
Bus Base and Transit Center Projects					
2194	Maint-Specialty Shops Ad	9026	Cold Saw with Multiple Cutting Speeds	9,500	84
2194	Maint-Specialty Shops Ad	9026	Semi-Automatic Surface Grinder	17,500	84
Bus Operations Support Vehicles					
2159	Maintenance Resource M	9025	Full Size Truck for Stops and Zones	35,000	85
2159	Maintenance Resource M	9025	Special Service Vehicles for Field Supervisors	405,000	85
2159	Maintenance Resource M	9025	Transit Police Special Service Vehicles	135,000	86
2159	Maintenance Resource M	9025	Crew Cab Special Service 4x4 Trucks	390,000	86
2159	Maintenance Resource M	9025	Full Size Van	45,000	87
2159	Maintenance Resource M	9025	Company Equipment Assigned Vehicles	1,540,000	87
2159	Maintenance Resource M	9025	4x4 Sport Utility Vehicle for Planning	40,000	88
Bus Procurement / Engine Upgrades					
2114	Transit Technical Services	9024	Near Zero Engine Campaign for 19 Buses	1,493,000	88
2114	Transit Technical Services	9024	Cutaway Buses - 22 Foot	14,711,932	89
2114	Transit Technical Services	9024	Buses - 40 Foot	193,004,500	89
2114	Transit Technical Services	9024	Heavy Duty Battery Electric Buses	5,360,565	90
2149	OC Flex Service	9024	Vans for OC Flex Service - Huntington Beach	130,000	90
2149	OC Flex Service	9024	Vans for OC Flex Service - South County	130,000	91
iShuttle Buses					
2148	iShuttle Service	9024	iShuttle Buses - 32 Foot	6,693,468	91
Transit Security & Operations Center					
0051	Transit Development Cap	9017	Transit Security and Operations Center - Design Services	3,500,000	92
Transit Technology and Communications Capital					
1288	IS Transit Radio Support &	9028	Hastus Upgrade	1,500,000	92
2159	Maintenance Resource M	9028	Ellipse and Work Force Management Process Improvements	200,000	93
Subtotal Capital - Bus				\$ 236,624,652	



Bus Base and Transit Center Projects

Description:	Bus Wash Building Repairs at Irvine Construction Circle Base			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	1722-9022-D1401-0GV	Quantity:	1
Line Item ID:	FY20-01724	Type:	Encumbrance	Unit Cost:	\$44,000.00
Manager:	George Olivo			Total:	\$44,000
Grant Funded? <input type="checkbox"/>					

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 the replacement of metal siding and framing members at the bus wash building at Irvine Construction Circle base. The metal siding and steel structural framing members have exhibited significant rusting and corrosion. This compromises the integrity of the materials, particularly due to exposure to moisture and cleaning materials. The work includes replacing corroded metal siding and repairing and replacing steel framing members. This work will require a phasing of work and traffic control as 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, 2019? The bid phase.

Is this line item rebudgeted from a prior fiscal year? Yes, but under the existing contract.

Description:	Steam Clean Rack Hoist Replacement at Irvine Construction Circle Base			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	1722-9022-D1401-0MD	Quantity:	1
Line Item ID:	FY20-01744	Type:	Encumbrance	Unit Cost:	\$150,000.00
Manager:	George Olivo			Total:	\$150,000
Grant Funded? <input checked="" type="checkbox"/>					

Funding: 0030-6049-D1401-MJK Steam Clean Rack Hoist Replacement at IRCC Base. 150,000
Total Funded: 150,000

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 the replacement of the bus hoist, which is used to safely clean bus chassis and engine bays, in the steam clean rack area of the Irvine Construction Circle Base. The existing hoist has deteriorated, is beyond its useful life, and needs to be replaced. The work includes replacing the old hoist with a new unit and related work. It will require phasing of work and traffic control as 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, 2019? The design phase.

Is this line item rebudgeted from a prior fiscal year? Yes.



Bus Program

Bus Base and Transit Center Projects

Description:	Restroom Walls and Plumbing Replacement Irvine Construction Circle Base Operati			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	1722-9022-D1401-0ME	Quantity:	1
Line Item ID:	FY20-01726	Type:	Encumbrance	Unit Cost:	\$24,000.00
Manager:	George Olivo			Total:	\$24,000
Grant Funded? <input type="checkbox"/>					

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 the replacement of walls and plumbing between the men's and women's restrooms in the operations building at the 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. In addition, the existing T-bar ceiling is deteriorated and needs to be replaced. The work includes repairing the wall, repairing the plumbing between the restrooms, and associated work as needed. This will require phasing of work and traffic control as 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, 2019?

The bid phase.

Is this line item rebudgeted from a prior fiscal year?

Yes, but under the existing contract.

Description:	Electrical Room Ventilation at Irvine Construction Circle Bus Base			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	1722-9022-D1401-0OF	Quantity:	1
Line Item ID:	FY20-01760	Type:	Encumbrance	Unit Cost:	\$50,000.00
Manager:	George Olivo			Total:	\$50,000
Grant Funded? <input type="checkbox"/>					

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 adding ventilation to the main electrical room at Irvine Construction Circle base. The existing main electrical room lacks ventilation, and during hot summer months the electrical room heat conditions exceed circuit breaker requirements. The work includes adding a ventilation unit and related duct work. This work will require phasing of work and traffic control as 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?

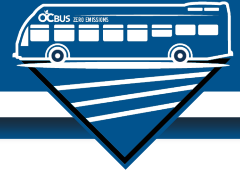
The construction phase.

What phase of the project is this line item in, as of January 2, 2019?

The scope of work for the design phase.

Is this line item rebudgeted from a prior fiscal year?

No.



Bus Base and Transit Center Projects

Description:	Depot Construction and Charger Installation			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	1722-9022-D2108-0UV	Quantity:	1
Line Item ID:	FY20-02796	Type:	Encumbrance	Unit Cost:	\$809,999.00
Manager:	George Olivo			Total:	\$809,999
Grant Funded?	<input checked="" type="checkbox"/>				

Funding: 0030-6080-D2108-0UV Depot Construction and Charger Installation 809,999

Total Funded: 809,999

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables. Five battery electric buses be procured as part of the Solutions for Congested Corridors Program (SCCP) grant awarded to OCTA to operate in BRAVO! service on Main street. These five battery electric buses will be procured through one of the following sources; OCTA's own Technical RFP which has well defined attributes, operating parameters and requirements for buses intended for service by the Authority or, through the State of California, Department of General Services solicitation for battery electric buses, Request for Proposal (RFP) #2310-4399 released on Feb-28-2019, which has a planned award timeline during the FY-2019/2020. This line item will support the depot construction and charger installation for the infrastructure of the electric buses.

Please explain how you arrived at the budgeted dollars requested. The estimated budgetary funding request is based on most recently submitted pricing by a battery electric bus builder.

What phase of the project does this line item support? The procurement of five battery electric buses.

What phase of the project is this line item in, as of January 2, 2019? Bid Proposal review/Final award.

Is this line item rebudgeted from a prior fiscal year? No.

Description:	Electrical Service for Liquid Hydrogen Fueling Station at Santa Ana Base			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	1722-9022-D2157-0MO	Quantity:	1
Line Item ID:	FY20-01736	Type:	Encumbrance	Unit Cost:	\$311,000.00
Manager:	George Olivo			Total:	\$311,000
Grant Funded?	<input checked="" type="checkbox"/>				

Funding: 0030-6053-D2157-YKS Electrical Service for Liquid Hydrogen Fueling Station at Santa Ana B 311,000

Total Funded: 311,000

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 to provide electrical service for a new liquid hydrogen fueling station at the Santa Ana base as part of a 10 bus pilot program funded by the California Air Resources Board. The work includes the 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. This will require phasing of work and traffic control as 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 the 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, 2019? The construction phase.

Is this line item rebudgeted from a prior fiscal year? Yes, but under the existing contract.



Bus Program

Bus Base and Transit Center Projects

Description:	Hydrogen Gas Detection and Ventilation for 10 Hydrogen Buses at Santa Ana Base			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	1722-9022-D2157-OMP	Quantity:	1
Line Item ID:	FY20-01737	Type:	Encumbrance	Unit Cost:	\$150,000.00
Manager:	George Olivo			Total:	\$150,000
Grant Funded?	<input checked="" type="checkbox"/>				
Funding:	0030-6053-D2157-XJZ	Hydrogen Gas Detection and Ventilation for 10 H2 Buses at Santa An		150,000	
				Total Funded:	150,000

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 the modification of maintenance facilities so as to ensure compatibility with the maintenance of hydrogen fuel cell buses as part of a 10 bus pilot program funded by the California Air Resources Board. The existing gas detection system utilizes infrared technology which is not compatible with the use of hydrogen gas. 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. This will require phasing of work and traffic control as detailed in the plans and 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, 2019?

The construction phase.

Is this line item rebudgeted from a prior fiscal year?

Yes, but under the existing contract.

Description:	Heating and Ventilation Unit Replacements at Anaheim Base Maintenance Building			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	1722-9022-D3103-0AL	Quantity:	1
Line Item ID:	FY20-01734	Type:	Encumbrance	Unit Cost:	\$660,000.00
Manager:	George Olivo			Total:	\$660,000
Grant Funded?	<input checked="" type="checkbox"/>				
Funding:	0030-6049-D3103-MJK	HV Unit Replacements at Anaheim Base Maintenance Building		660,000	
				Total Funded:	660,000

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 the 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. This will require phasing of work and traffic control as shown in the plans and 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 the scope of work.

What phase of the project does this line item support?

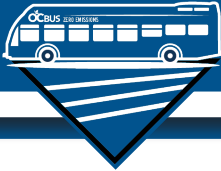
The construction phase.

What phase of the project is this line item in, as of January 2, 2019?

The design phase.

Is this line item rebudgeted from a prior fiscal year?

Yes, this is for phase 2 spread over 2 budget years.



Bus Base and Transit Center Projects

Description:	Standby Backup Power Generator Replacements at Anaheim and IRCC Bus Bases			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	1722-9022-D3103-0M4	Quantity:	1
Line Item ID:	FY20-01759	Type:	Encumbrance	Unit Cost:	\$600,000.00
Manager:	George Olivo			Total:	\$600,000
Grant Funded? <input checked="" type="checkbox"/>					
Funding:	0030-6049-D3103-MJK		Standby Backup Power Generator Replacements at Anaheim and IRC	600,000	
				Total Funded:	600,000

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 the replacement of the existing emergency power standby generators at the Anaheim and Irvine Construction Circle (IRCC) bus bases. The existing 300KW generator unit at Anaheim base is 30 plus years old, beyond its useful life, broken, and in need of replacement. The existing 150KW generator at IRCC base is old and undersized. The work includes installation of new, energy efficient standby back-up power generators and switchgear and related work in compliance with Southern California Air Quality Management District (SCAQMD). This will require phasing of work and traffic control as shown in the plans and 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, 2019? The design phase.

Is this line item rebudgeted from a prior fiscal year? Yes.

Description:	Luminaire Replacement In Bus Yard at Anaheim Base			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	1722-9022-D3103-0M6	Quantity:	1
Line Item ID:	FY20-01763	Type:	Encumbrance	Unit Cost:	\$250,000.00
Manager:	George Olivo			Total:	\$250,000
Grant Funded? <input checked="" type="checkbox"/>					
Funding:	0030-6049-D3103-MJK		Luminaire Replacement In Bus Yard at Anaheim Base	250,000	
				Total Funded:	250,000

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 the replacement of safety lighting luminaires with new, energy efficient light emitting diode (LED) units at the Anaheim bus base. The existing light pole mounted luminaires are energy inefficient, 30 years old, and have deteriorated beyond their useful life signaling a need for replacement. The work includes replacing the light pole mounted luminaires with new, energy efficient LED luminaires and related work. This will also include phasing of work and traffic control as 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 the 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, 2019? 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

Description:	Light Pole and Luminaire Replacement at Golden West Transportation Center			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	1722-9022-D3118-0M6	Quantity:	1
Line Item ID:	FY20-01756	Type:	Encumbrance	Unit Cost:	\$250,000.00
Manager:	George Olivo			Total:	\$250,000
Grant Funded? <input type="checkbox"/>					

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 the replacement of safety lighting poles and luminaires with new units at Goldenwest Transportation Center. The existing light poles are deteriorated, and exhibit significant rusting and corrosion, which has compromised 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. The work would also include a required phasing of work and traffic control as 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, 2019? The design phase.

Is this line item rebudgeted from a prior fiscal year? Yes.

Description:	Removal of Liquefied Natural Gas Underground Storage Tanks			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	1722-9022-D3120-0LF	Quantity:	1
Line Item ID:	FY20-01733	Type:	Encumbrance	Unit Cost:	\$180,000.00
Manager:	George Olivo			Total:	\$180,000
Grant Funded? <input checked="" type="checkbox"/>					

Funding:	0030-6049-D3120-MJK	Removal of Liquefied Natural Gas Underground Storage Tanks	180,000
			Total Funded: 180,000

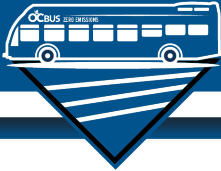
Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables. The scope of work is for the removal of liquefied natural gas (LNG) underground storage tanks and related appurtenances servicing the fuel buildings at the Anaheim and Garden Grove bases. The work includes the removal of two underground LNG storage tanks and related equipment at each base. This will include concrete removal, excavation, concrete replacement, and compliance with regulatory agencies of jurisdiction like the Orange County Fire Authority (OCFA), Orange County Health Care Agency (OCHCA), and Anaheim Fire Department for sampling and testing. This will also include phasing of work and traffic control as 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 the 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, 2019? The construction phase.

Is this line item rebudgeted from a prior fiscal year? Yes, but under the existing contract.



Bus Base and Transit Center Projects

Description:	Revitalization of Bus Platform and Canopies at Fullerton Transportation Center			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	1722-9022-D3120-0M1	Quantity:	1
Line Item ID:	FY20-01730	Type:	Encumbrance	Unit Cost:	\$70,000.00
Manager:	George Olivo			Total:	\$70,000
Grant Funded? <input type="checkbox"/>					

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 the removal and replacement of concrete flatwork on the bus dock platform, sandblasting, priming, painting the metal canopies, new lighting, signage, and bird screens. This also includes associated work, required phasing of work, and traffic control as shown in both the plans and 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, 2019? The bid phase.

Is this line item rebudgeted from a prior fiscal year? Yes, but under the existing contract.

Description:	Fire Protection Coating Structural Steel for Maintenance Building			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	1722-9022-D3121-0MB	Quantity:	1
Line Item ID:	FY20-01729	Type:	Encumbrance	Unit Cost:	\$250,000.00
Manager:	George Olivo			Total:	\$250,000
Grant Funded? <input type="checkbox"/>					

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 the replacement of the fire protection coating on structural steel in the maintenance building at the Irvine Sand Canyon base. The existing fire protective coating has deteriorated and has lost its bonding with the structural steel framing members. The work includes both the application of a new fire protective coating and additional associated work as needed. This also includes a required phasing of work and traffic control as 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, 2019? The bid phase.

Is this line item rebudgeted from a prior fiscal year? Yes, but under the existing contract.



Bus Program

Bus Base and Transit Center Projects

Description:	Heating, Ventilation, and Air Conditioning Unit Replacements - Garden Grove Base			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	1722-9022-D3122-058	Quantity:	1
Line Item ID:	FY20-01742	Type:	Encumbrance	Unit Cost:	\$210,000.00
Manager:	George Olivo			Total:	\$210,000
Grant Funded?	<input checked="" type="checkbox"/>				
Funding:	0030-6049-D3122-MJK HVAC Unit Replacements at GG Base Maintenance Building.				210,000
				Total Funded:	210,000

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 the 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 the installation of new energy efficient Title 24 compliant heating units. This would also include a required phasing of work and traffic control as 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, 2019? The design phase.

Is this line item rebudgeted from a prior fiscal year? Yes

Description:	Roofing Replacement at Garden Grove Annex Lower Building			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	1722-9022-D3122-0MF	Quantity:	1
Line Item ID:	FY20-01727	Type:	Encumbrance	Unit Cost:	\$15,000.00
Manager:	George Olivo			Total:	\$15,000
Grant Funded?	<input type="checkbox"/>				

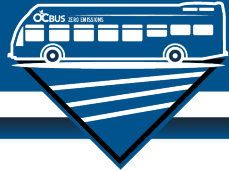
Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables. This line item is for the replacement of roofing on the lower building at the Garden Grove Annex. The existing built-up roofing is deteriorated and beyond useful service life. The work includes installation of a new built-up roofing on the lower building, a required phasing of work, and traffic control as 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, 2019? The bid phase.

Is this line item rebudgeted from a prior fiscal year? Yes, but under the existing contract.



Bus Base and Transit Center Projects

Description:	Pedestrian Access to Santa Ana Base Operations Building			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	1722-9022-D3126-0KZ	Quantity:	1
Line Item ID:	FY20-01728	Type:	Encumbrance	Unit Cost:	\$33,000.00
Manager:	George Olivo			Total:	\$33,000
Grant Funded? <input type="checkbox"/>					

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 the 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 the installation of a new access-controlled pedestrian entrance gate to the existing concrete block wall and a related walking pathway. This will also include phasing of work and traffic control as 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, 2019? The bid phase.

Is this line item rebudgeted from a prior fiscal year? Yes, but under the existing contract.

Description:	Facility Modifications Maintenance Building Locker Room at Santa Ana Base			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	1722-9022-D3126-0OG	Quantity:	1
Line Item ID:	FY20-01761	Type:	Encumbrance	Unit Cost:	\$250,000.00
Manager:	George Olivo			Total:	\$250,000
Grant Funded? <input checked="" type="checkbox"/>					

Funding:	0030-6041-D3126-MJR	Facility Modifications Maintenance Building Locker Room at Santa A	240,000
Funding:	0030-6049-D3126-MJK	Facility Modifications Maintenance Building Locker Room at Santa A	10,000
Total Funded:			250,000

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 facility modification in the maintenance building at the Santa Ana base. Space programming for the men's locker room is undersized for normal maintenance employees resulting in inadequate space and locker size/quantity. The work includes a facility modification to expand the size of the locker room footprint using adjacent, underutilized space. This will require phasing of work and traffic control as 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 the 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, 2019? 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

Description:	Bus Bay Side Manlifts in Maintenance Shop at Santa Ana Base			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	1722-9022-D3126-00J	Quantity:	1
Line Item ID:	FY20-01764	Type:	Encumbrance	Unit Cost:	\$400,000.00
Manager:	George Olivo			Total:	\$400,000
Grant Funded?	<input checked="" type="checkbox"/>				
Funding:	0030-6049-D3126-MJK	Bus Bay Side Manlifts in Maintenance Shop at Santa Ana Base			400,000
		Total Funded:			400,000

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 the manlifts at the bus maintenance bays at the Santa Ana bus base. The maintenance shop currently has a track guided manlift system installed; this line item is for an additional system that will improve the safety of maintenance operations. The work includes the modification of an additional track guided manlift system similar to the existing system, providing coverage for unprotected maintenance bays, and related work. This will also require phasing of work and traffic control as 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 the 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, 2019?

The scope of work for design phase.

Is this line item rebudgeted from a prior fiscal year?

No.

Description:	Steam Clean Hoist			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	1722-9022-D3126-KWH	Quantity:	1
Line Item ID:	FY20-02787	Type:	Encumbrance	Unit Cost:	\$300,000.00
Manager:	George Olivo			Total:	\$300,000
Grant Funded?	<input type="checkbox"/>				

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 the replacement of the bus hoist, which is used to safely clean bus chassis and engine bays, in the maintenance building steam clean work space at Santa Ana bus base. The existing bus hoist has significant rusting and corrosion and is deteriorated due to continuous exposure to moisture, this compromises the integrity of hoist materials. Currently, the hoist cannot be certified for use due to the condition, therefore it is beyond its useful life and needs to be replaced. The work includes replacing the existing bus hoist with a new drive-on platform flush mount parallelogram 8 leg 75,000 pound capacity hoist unit capable of lifting both 40 foot and 60 foot long buses and all related work including labor, equipment, materials, safety, staging, traffic control as shown in the project specifications.

Please explain how you arrived at the budgeted dollars requested.

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

What phase of the project does this line item support?

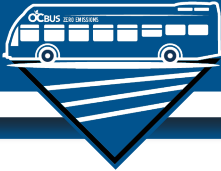
The construction phase.

What phase of the project is this line item in, as of January 2, 2019?

Review and scope of work development phase.

Is this line item rebudgeted from a prior fiscal year?

No.



Bus Base and Transit Center Projects

Description:	Fullerton Park and Ride - Rehabilitation Bus Dock Platform and Warning Tiles			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	1722-9022-D3139-08P	Quantity:	1
Line Item ID:	FY20-01725	Type:	Encumbrance	Unit Cost:	\$85,000.00
Manager:	George Olivo			Total:	\$85,000
Grant Funded? <input type="checkbox"/>					

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 tiles at the bus docks at Fullerton Park and Ride facility. The tiles on the restroom walls are deteriorated and are 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 which is creating tripping hazards. This is a public safety hazard and signifies a need for replacement. The work includes removing and replacing restroom wall tiles, bus dock canopy signage, and ADA tactile warning tiles. This would also include a required phasing of work and traffic control as 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, 2019? The construction phase.

Is this line item rebudgeted from a prior fiscal year? Yes, but under the existing contract.

Description:	Reconstruction of Asphalt Pavement at Fullerton Park and Ride			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	1722-9022-D3139-TX3	Quantity:	1
Line Item ID:	FY20-01747	Type:	Encumbrance	Unit Cost:	\$225,000.00
Manager:	George Olivo			Total:	\$225,000
Grant Funded? <input checked="" type="checkbox"/>					

Funding: 0030-6041-D3139-MJR Reconstruction of Asphalt Pavement at FPNR 225,000
Total Funded: 225,000

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. This also would include a required phasing of work and traffic control as 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, 2019? The design phase.

Is this line item rebudgeted from a prior fiscal year? Yes.



Bus Program

Bus Base and Transit Center Projects

Description:	Design/Installation of Video Surveillance Systems			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	1722-9022-D3144-1FP	Quantity:	1
Line Item ID:	FY20-01732	Type:	Encumbrance	Unit Cost:	\$75,000.00
Manager:	George Olivo			Total:	\$75,000
Grant Funded? <input type="checkbox"/>					

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 Request for Proposals (RFP) for design and installation services of a new video surveillance system (VSS) at OCTA's Anaheim, Irvine Sand Canyon, Irvine Construction Circle bus bases, and Orange Administration building elevator lobbies and stairwells. OCTA is requesting a cost proposal from the Consultant to provide RFP design/installation services for 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? RFP design/installation phase.

What phase of the project is this line item in, as of January 2, 2019? RFP procurement phase.

Is this line item rebudgeted from a prior fiscal year? Yes, but under the existing contract.

Description:	Security System Camera Upgrades at Santa Ana and Garden Grove Bases			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	1722-9026-D3126-05S	Quantity:	1
Line Item ID:	FY20-01731	Type:	Encumbrance	Unit Cost:	\$64,000.00
Manager:	George Olivo			Total:	\$64,000
Grant Funded? <input type="checkbox"/>					

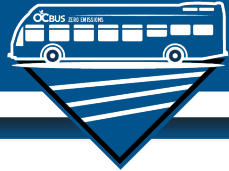
Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables. This line item will support upgrading the Video Surveillance System (VSS) at the Santa Ana and Garden Grove bus bases. Currently, the camera system at the Santa Ana and Garden Grove 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 a safer working environment, and increase 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 a first layer of detection for both base entrance points and building access points. The work includes the installation of new IP cameras for security, servers for 30 days storage, and required site modifications to accommodate the VSS camera placement. This would also require phasing of work and traffic control as 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? Request for Proposal (RFP) installation phase.

What phase of the project is this line item in, as of January 2, 2019? RFP installation phase.

Is this line item rebudgeted from a prior fiscal year? Yes, but under the existing contract.



Bus Base and Transit Center Projects

Description:	Depot Charges			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	2114-9022-D2108-0UV	Quantity:	6
Line Item ID:	FY20-02795	Type:	Encumbrance	Unit Cost:	\$64,650.00
Manager:	Cliff Thorne			Total:	\$387,900
Grant Funded?	<input checked="" type="checkbox"/>				

Funding: 0030-6080-D2108-0UV Depot Charges 387,900
Total Funded: 387,900

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables. Five battery electric buses be procured as part of the Solutions for Congested Corridors Program (SCCP) grant awarded to OCTA to operate in BRAVO! service on Main street. These five battery electric buses will be procured through one of the following sources; OCTA’s own Technical RFP which has well defined attributes, operating parameters and requirements for buses intended for service by the Authority or, through the State of California, Department of General Services solicitation for battery electric buses, Request for Proposal (RFP) #2310-4399 released on Feb-28-2019, which has a planned award timeline during the FY-2019/2020. This line item will support the depot charges for the infrastructure for the electric buses.

Please explain how you arrived at the budgeted dollars requested. The estimated budgetary funding request is based on most recently submitted pricing by a battery electric bus builder.

What phase of the project does this line item support? The procurement of five battery electric buses.

What phase of the project is this line item in, as of January 2, 2019? Bid Proposal review/Final award.

Is this line item rebudgeted from a prior fiscal year? No.

Description:	Improve Customer Amenities			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	2128-9022-D4901-N5A	Quantity:	1
Line Item ID:	FY20-01817	Type:	Cash	Unit Cost:	\$600,000.00
Manager:	Stella Lin			Total:	\$600,000
Grant Funded?	<input checked="" type="checkbox"/>				

Funding: 0030-6032-D4901-LEJ Improve Customer Amenities 480,000
Total Funded: 480,000

Please write a scope of work for this line item that could be used for procurement. Include a workplan 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). These funds will be used to fund the balance of the OC Bus Sign Program, the Transit Tubes and Schedule Holders contract, and the Transit Facility and Monument Signage program. These projects are either in contract or in the process of procurement.

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 in, as of January 2, 2019? Phase II Design.

Is this line item rebudgeted from a prior fiscal year? Yes.



Bus Program

Bus Base and Transit Center Projects

Description:	Trapeze Eligibility Management Software			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	2147-9028-D4302-0PV	Quantity:	1
Line Item ID:	FY20-01831	Type:	Cash	Unit Cost:	\$53,288.00
Manager:	Gracie Davis			Total:	\$53,288
Grant Funded? <input type="checkbox"/>					

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

The Trapeze Eligibility Management software is designed to manage paratransit eligibility by integrating existing databases and modules such as Application Management, Client Web Portal, Client Assessment, Trip-by-Trip, Service Infractions, and Recognition and Pathway Assessment.

The Application Management module enhances the Certification Functionality for managing processes, supports reviews/appeals associated with the process, statistics and analysis, and incorporates reporting into standard Trapeze reports. The Client Communications Management handles communication with the customer via letters, emails, and interactive voice response notifications. The Client Web Portal can allow pre-registration, self-registration, and auto-intakes. It would prevent submission of incomplete applications, and it can integrate electronic communication with third-party health professionals. The Service Infractions and Recognition module would enhance the suspensions module and recognize good behavior.

In addition, the current Trapeze enhanced client certification application is based on an older operating system that is past the end of its life cycle and has no further security updates or support. Since this system is no longer supported by Microsoft's security and support or OCTA's Information Systems department, continuing with the current product opens up concerns with security risks. As such, this application requires an update to be compliant with current server operating systems.

Please explain how you arrived at the budgeted dollars requested.

Requested amount provided by Trapeze per their budgetary pricing summary.

What phase of the project does this line item support?

Initial purchase and installation of new software licenses.

What phase of the project is this line item in, as of January 2, 2019?

Request for quote.

Is this line item rebudgeted from a prior fiscal year?

No.

Description:	Portable Hoist and Wheel Alignment Machine			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	2159-9026-D2108-0NB	Quantity:	1
Line Item ID:	FY20-01718	Type:	Encumbrance	Unit Cost:	\$315,000.00
Manager:	Dayle Withers			Total:	\$315,000
Grant Funded? <input type="checkbox"/>					

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

The New Flyer Excelsior fleet requires an alignment check/adjustment every 48,000 miles. Currently, the Maintenance department is only able to check for one alignment specification and cannot check the other specifications. The alignment rack will allow Maintenance to check and properly align the buses to specifications.

Please explain how you arrived at the budgeted dollars requested.

The budget is based on a manufacturer's quote for a four-post lift.

What phase of the project does this line item support?

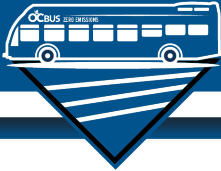
Procurement phase.

What phase of the project is this line item in, as of January 2, 2019?

Planning phase.

Is this line item rebudgeted from a prior fiscal year?

No.



Bus Base and Transit Center Projects

Description:	Electric Vehicles Charging Equipment			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	2159-9026-D2113-0DC	Quantity:	30
Line Item ID:	FY20-01811	Type:	Encumbrance	Unit Cost:	\$1,500.00
Manager:	Dayle Withers			Total:	\$45,000
Grant Funded? <input type="checkbox"/>					

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables. This represents funds to be used towards Dual Plug-In Electric Vehicles Charging equipment. The equipment will accommodate Electric Plug-In Vehicles. The equipment will be installed at the Santa Ana Base and Garden Grove bases.

Please explain how you arrived at the budgeted dollars requested. The budget is based on internet research.

What phase of the project does this line item support? Procurement phase.

What phase of the project is this line item in, as of January 2, 2019? Planning phase.

Is this line item rebudgeted from a prior fiscal year? No.

Description:	Lighting Upgrade for Bus Bases - Bus Wash and Detail Areas			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	2166-9022-D3107-0LZ	Quantity:	1
Line Item ID:	FY20-01712	Type:	Encumbrance	Unit Cost:	\$100,000.00
Manager:	Christopher Damyen			Total:	\$100,000
Grant Funded? <input type="checkbox"/>					

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 a Light Emitting Diode (LED) lighting upgrade for the bus wash and detail areas from metal halide to cost effective and brighter LED lighting.

Please explain how you arrived at the budgeted dollars requested. Budget amount is based on lighting counts and past procurements.

What phase of the project does this line item support? The procurement of LED lighting supports the execution phase of the project.

What phase of the project is this line item in, as of January 2, 2019? As of January 2, 2019, 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

Description:	Park-n-Ride and Transportation Center Modernization			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	2166-9022-D3107-004	Quantity:	1
Line Item ID:	FY20-01722	Type:	Encumbrance	Unit Cost:	\$277,000.00
Manager:	Christopher Damyen			Total:	\$277,000
Grant Funded? <input type="checkbox"/>					

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 repairs required by Federal Transit Administration Transit Asset Plan. Many repairs will be guided by the Transit Center Modernization and Parking Study that was recently completed. Facilities is working with other departments to implement recommended solutions and 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 cost for 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, 2019? 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.

Description:	Parts Washers for Maintenance at Bus Bases			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	2166-9026-D3107-0GO	Quantity:	2
Line Item ID:	FY20-01689	Type:	Cash	Unit Cost:	\$14,000.00
Manager:	Christopher Damyen			Total:	\$28,000
Grant Funded? <input type="checkbox"/>					

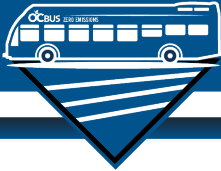
Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables. The scope of work is ready for the procurement. Two heavy duty parts washers are needed to replace parts washers which are beyond economical repair at the Garden Grove and Anaheim bases. These parts washers are required for the disassembly of major components removed from buses that are then reassembled after parts have been installed, prolong the life of major components.

Please explain how you arrived at the budgeted dollars requested. The price is based on internet pricing for the specified equipment.

What phase of the project does this line item support? The procurement of the two parts washers supports the execution phase of the project.

What phase of the project is this line item in, as of January 2, 2019? As of January 2, 2019 the project is in the planning phase.

Is this line item rebudgeted from a prior fiscal year? No.



Bus Base and Transit Center Projects

Description:	Water and Ice Dispensers			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	2166-9026-D3107-0P5	Quantity:	2
Line Item ID:	FY20-01688	Type:	Cash	Unit Cost:	\$6,000.00
Manager:	Frank Holland			Total:	\$12,000
Grant Funded? <input type="checkbox"/>					

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 ready for the procurement. The ice machine will be utilized to dispense ice and water that shall reduce or eliminate the need for bottled water service at the Garden Grove and Santa Ana Bases.

Please explain how you arrived at the budgeted dollars requested. The amount is based on internet research for commercial ice machines that will be installed at the Garden Grove and Santa Ana bases.

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, 2019? N/A

Is this line item rebudgeted from a prior fiscal year? No.

Description:	80 Inch Touch Screen Display			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	2169-9028-D2108-0MZ	Quantity:	1
Line Item ID:	FY20-01808	Type:	Encumbrance	Unit Cost:	\$10,000.00
Manager:	Frank J. Scholl			Total:	\$10,000
Grant Funded? <input type="checkbox"/>					

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables. The wall mounted 80 inch monitor will be used to provide visual classroom examples and scenarios that enable the students to review videos and data without the need for providing costly handout materials. The projector currently utilized is old technology that is not meeting the needs of the training team. The new projector will be built onto a mobile stand to allow the monitor to be moved to multiple locations.

Please explain how you arrived at the budgeted dollars requested. The information was taking off a previous purchase for similar item done under Purchase Order A37572.

What phase of the project does this line item support? Procurement phase.

What phase of the project is this line item in, as of January 2, 2019? Planning phase.

Is this line item rebudgeted from a prior fiscal year? No.



Bus Program

Bus Base and Transit Center Projects

Description:	Cold Saw with Multiple Cutting Speeds			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	2194-9026-D2108-0P1	Quantity:	1
Line Item ID:	FY20-01698	Type:	Cash	Unit Cost:	\$9,500.00
Manager:	Troy Wilkins			Total:	\$9,500
Grant Funded? <input type="checkbox"/>					

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

Funds are being requested to purchase a Cold Saw. The Cold Saw will have two cutting speeds and a blade with a 14 inch diameter. The Cold saw is needed in the Maintenance Specialty Shop, Machine Shop. The machine shop repairs, designs, and creates brackets, parts, and fixtures for many special projects to support the OCTA bus fleet, Facilities Department, and other sections of the Authority. Some items fabricated by the machinist shop require multiple angle cuts on the same piece of material. The current tool requires the machinist to remove the material and re-configure the tool for the next cut needed. The process of re-configuring the tool can take up to 30 minutes. With the various items the machine shop fabricates over the course of a year, many of which require multiple angle cuts, we could save an approximate 50 to 75 man hours per year.

Please explain how you arrived at the budgeted dollars requested.

The pricing is based on internet research for the model specified.

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, 2019?

N/A

Is this line item rebudgeted from a prior fiscal year?

No.

Description:	Semi-Automatic Surface Grinder			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	2194-9026-D2108-0P2	Quantity:	1
Line Item ID:	FY20-01697	Type:	Cash	Unit Cost:	\$17,500.00
Manager:	Troy Wilkins			Total:	\$17,500
Grant Funded? <input type="checkbox"/>					

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

Funds are being requested to purchase a semi-automatic surface grinder. A Surface grinder is needed in the Maintenance Specialty Shop, Machine Shop. The machine shop repairs, designs, and creates brackets, parts, and fixtures for many of the special projects to support the OCTA bus fleet, Facilities Department, and other sections of the Authority. Some items fabricated or modified by the machinist shop require precision tolerances, such as differential shims. With the current grinding tool, the machine shop must grind the material by hand, measure to ensure the tolerance is correct, then re-grind and re-measure if the first grind didn't reach the required tolerance. This procedure could take up to one hour to complete the grinding of one item, if the tolerance is correct or the material is not damaged by the non-procession grinding. The Semi-Automatic Surface Grinder will allow the machinist to program the tool to make a procession grind the first time. This tool could save the machine shop well over 100 labor hours per year.

Please explain how you arrived at the budgeted dollars requested.

The pricing is based on internet research for the model specified.

What phase of the project does this line item support?

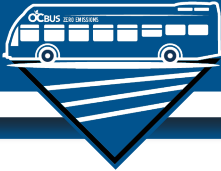
N/A

What phase of the project is this line item in, as of January 2, 2019?

N/A

Is this line item rebudgeted from a prior fiscal year?

No



Bus Operations Support Vehicles

Description:	Full Size Truck for Stops and Zones			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	2159-9025-D2113-0PO	Quantity:	1
Line Item ID:	FY20-01684	Type:	Encumbrance	Unit Cost:	\$35,000.00
Manager:	Dayle Withers			Total:	\$35,000
Grant Funded? <input type="checkbox"/>					

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 ready for the procurement of new units. A truck is necessary to replace a vehicle that has met its useful life of 10 years or 100,000 miles. The vehicle being replaced is #9848 with current mileage of 97,655 projected to be 103,849 at the time of replacement. The vehicle is 17 years old and parts are difficult to obtain.

Please explain how you arrived at the budgeted dollars requested. The amount budgeted is based on previous purchases for the same regular cabin type of vehicle.

What phase of the project does this line item support? The vehicle supports the daily operations of the Stops and Zones Department.

What phase of the project is this line item in, as of January 2, 2019? N/A

Is this line item rebudgeted from a prior fiscal year? No.

Description:	Special Service Vehicles for Field Supervisors			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	2159-9025-D2113-0PP	Quantity:	9
Line Item ID:	FY20-01682	Type:	Encumbrance	Unit Cost:	\$45,000.00
Manager:	Dayle Withers			Total:	\$405,000
Grant Funded? <input type="checkbox"/>					

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 ready for the procurement of nine Special Service Vehicles (SSV) for Field Supervisor Police Interceptors. According to the new non-revenue fleet policy, 9 vehicles will be meeting their useful life of 10 years or 100,000 miles at the time of replacement. The vehicles being replaced are numbers 9647, 9648, 9649, 9650, 9651, 9653, 9654, 9655, and 9927.

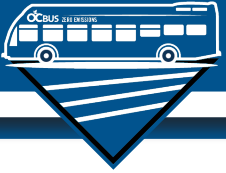
The current mileage of Unit 9647 is 98,573, and it is projected to be 127,743.
 The current mileage of Unit 9648 is 97,311, and it is projected to be 126,107.
 The current mileage of Unit 9649 is 93,371, and it is projected to be 121,001.
 The current mileage of Unit 9650 is 100,344, and it is projected to be 130,038.
 The current mileage of Unit 9651 is 107,456, and it is projected to be 139,254.
 The current mileage of Unit 9653 is 78,030, and it is projected to be 116,994 at the end of FY20.
 The current mileage of Unit 9654 is 61,215, and it is projected to reach useful life at the time of replacement.
 The current mileage of Unit 9655 is 60,263, but it is projected to be 104,994 at the end of FY20.
 The current mileage of Unit 9927 is 88,384, but it is projected to be 115,856 at the time of replacement.

Please explain how you arrived at the budgeted dollars requested. The budgeted amount is based on previous purchases for the same type of equipped vehicles.

What phase of the project does this line item support? The vehicles support the daily operations for Field Operations.

What phase of the project is this line item in, as of January 2, 2019? N/A

Is this line item rebudgeted from a prior fiscal year? No.



Bus Program

Bus Operations Support Vehicles

Description:	Transit Police Special Service Vehicles			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	2159-9025-D2113-0PQ	Quantity:	3
Line Item ID:	FY20-01680	Type:	Encumbrance	Unit Cost:	\$45,000.00
Manager:	Dayle Withers			Total:	\$135,000
Grant Funded? <input type="checkbox"/>					

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 for the (3) Special Service Vehicles (SSV) for Transit Police Services is ready for procurement. The units to be replaced are numbers 9639, 9656, and 9643. The current mileage for unit 9639 is 74,370, and it is projected to be 81,437 at the time of replacement. The current mileage for unit 9656 is 62,854, and it is projected to be 98,058 at the time of replacement. The current mileage for unit 9643 is 90,755, and it is projected to be 123,212 at the end of fiscal year 2020.

Please explain how you arrived at the budgeted dollars requested. The budgeted amount is based on the previous purchase for the same type of vehicle. The current replacement cycle for these Transit Police Services vehicles is 5 years or 80,000 miles.

What phase of the project does this line item support? The vehicle supports the daily operations of Transit Police Services.

What phase of the project is this line item in, as of January 2, 2019? N/A

Is this line item rebudgeted from a prior fiscal year? No.

Description:	Crew Cab Special Service 4x4 Trucks			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	2159-9025-D2113-0PS	Quantity:	6
Line Item ID:	FY20-01681	Type:	Encumbrance	Unit Cost:	\$65,000.00
Manager:	Dayle Withers			Total:	\$390,000
Grant Funded? <input type="checkbox"/>					

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables. According to the new non-revenue fleet policy, special purpose vehicles that are assigned to Transit Police Services have a useful life of 5 years or 80,000 miles. For special purpose vehicles that are assigned to the Sergeant and the Lieutenant, the useful life is 10 years or 100,000 mileage.

These special purpose vehicles have met their useful life per the new non-revenue fleet policy. The vehicles being replaced are:

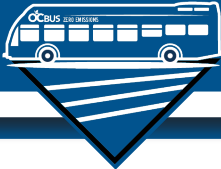
- Unit 9888, which is currently assigned to the Sergeant, with a current mileage of 83,573, and projected mileage of 99,582 in the new fiscal year, will likely exceed 100,000 at the time of replacement
- Unit 9889 with current mileage of 84,028, and projected to be 93,333,
- Unit 9890 with current mileage of 74,934, and projected to be 87,646,
- Unit 9892 with current mileage of 76,668, and projected to be 93,969,
- Unit 9895 with current mileage of 82,106, and projected to be 100,634 in the new fiscal year
- Unit 9899 with current mileage of 44,550, and projected to be 106,443 at the time of replacement.

Please explain how you arrived at the budgeted dollars requested. The budgeted amount is based on previous purchases for the same type of vehicle equipped as specified in the scope of work.

What phase of the project does this line item support? The vehicle supports the daily operations of Transit Police Services/K-9 Equipped.

What phase of the project is this line item in, as of January 2, 2019? N/A

Is this line item rebudgeted from a prior fiscal year? No.



Bus Operations Support Vehicles

Description:	Full Size Van			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	2159-9025-D2113-0PT	Quantity:	1
Line Item ID:	FY20-01751	Type:	Encumbrance	Unit Cost:	\$45,000.00
Manager:	Dayle Withers			Total:	\$45,000
Grant Funded? <input type="checkbox"/>					

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 ready for the procurement of new units. Unit number 9917 is currently 17 years old with 81,082 miles on it, and a projected 89,019 miles on it at the time of replacement. Parts are difficult to obtain from original equipment manufacturers due to the age of the vehicle.

Please explain how you arrived at the budgeted dollars requested. The amount budgeted is based on previous purchases for the same type of vehicle.

What phase of the project does this line item support? Vehicle 9917 has met it's useful life of 10 years or 100,000 miles.

What phase of the project is this line item in, as of January 2, 2019? N/A

Is this line item rebudgeted from a prior fiscal year? No.

Description:	Company Equipment Assigned Vehicles			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	2159-9025-D2113-0PU	Quantity:	55
Line Item ID:	FY20-01679	Type:	Encumbrance	Unit Cost:	\$28,000.00
Manager:	Frank Holland			Total:	\$1,540,000
Grant Funded? <input type="checkbox"/>					

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 for 55 Company Equipment Assigned (CEA) replacement vehicles is ready for procurement. These vehicles are also known as Coach Operator Relief Vehicles, and are used for operator relief, transportation for random drug and alcohol testing, and other operations purposes as authorized by Base Management. According to the non-revenue feet policy, these CEA vehicles have a minimum useful life of 100,000 miles or seven years.

Please explain how you arrived at the budgeted dollars requested. The budgeted amount is based on market rates, and an expected numbers of CEA vehicles that will reach their minimum useful life in fiscal year 20.

What phase of the project does this line item support? Planning phase.

What phase of the project is this line item in, as of January 2, 2019? N/A

Is this line item rebudgeted from a prior fiscal year? No.



Bus Program

Bus Operations Support Vehicles

Description:	4x4 Sport Utility Vehicle for Planning			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	2159-9025-D2113-0UK	Quantity:	1
Line Item ID:	FY20-02758	Type:	Encumbrance	Unit Cost:	\$40,000.00
Manager:	Frank Holland			Total:	\$40,000
Grant Funded? <input type="checkbox"/>					

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 currently in progress. According to the new, non-revenue vehicle fleet policy, special purpose non-revenue vehicles have a useful life of 10 years or 100,000 miles. Unit #9872 is currently 14.8 years old, and has a current mileage of 118,178 with a projected mileage of 120,040 at the end of fiscal year 2020. This line item supports the replacement of Unit #9872 which has reached the end of its useful life per the non-revenue vehicle policy.

Please explain how you arrived at the budgeted dollars requested.

The budgeted dollar is based on web research on a sport utility vehicle 4 x 4 model to replace a full size Chevrolet Tahoe 4 x 4 (unit 9872).

What phase of the project does this line item support?

Purchase based on Authority's Transit Asset Management (TAM) Plan.

What phase of the project is this line item in, as of January 2, 2019?

Purchase based on Authority's TAM Plan.

Is this line item rebudgeted from a prior fiscal year?

No.

Bus Procurement / Engine Upgrades

Description:	Near Zero Engine Campaign for 19 Buses			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	2114-9024-D2108-02A	Quantity:	1
Line Item ID:	FY20-01803	Type:	Encumbrance	Unit Cost:	\$1,493,000.00
Manager:	Bill Habibe			Total:	\$1,493,000
Grant Funded? <input type="checkbox"/>					

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 60 foot 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 that is nine times cleaner than existing engines. For all engine replacement, it does require a Cummins Installation Quality Audit (IQA) to verify the compatibility of all components and verification of its installation.

The timeline for the engine acquisition, the prototyping, and the securing of the Cummins Engineering Approval via the IQA usually takes a calendar year, and as such, this will be the blueprint for a potential future engine replacement program in that segment of the OCTA Fleet for subsequent Fiscal Years.

Please explain how you arrived at the budgeted dollars requested.

The cost is taken off the recent purchase of a prototype engine purchased under Purchase Order C-8-1892.

What phase of the project does this line item support?

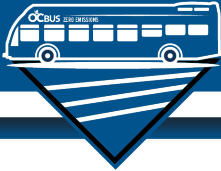
A prototype unit has been procured during the previous fiscal year, and we are moving forward with the engine replacement campaign by retrofitting 19 units during the current fiscal year.

What phase of the project is this line item in, as of January 2, 2019?

Planning phase.

Is this line item rebudgeted from a prior fiscal year?

No.



Bus Procurement / Engine Upgrades

Description:	Cutaway Buses - 22 Foot			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	2114-9024-D2108-000	Quantity:	116
Line Item ID:	FY20-01766	Type:	Encumbrance	Unit Cost:	\$126,827.00
Manager:	Bill Habibe			Total:	\$14,711,932
Grant Funded?	<input checked="" type="checkbox"/>				

Funding: 0030-6042-D2108-LKA 22' Gasoline Powered Cutaway Buses 14,711,932
Total Funded: 14,711,932

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables. These funds are intended to fund the procurement of 116, 22 foot cutaway buses with an option for 10 additional units, which will be meeting or exceeding their useful life of 7 years or 200,000 miles of operation at the time of their planned replacement year, 2022.

Please explain how you arrived at the budgeted dollars requested. The budgetary request is based on OCTA's last procurement of gasoline powered cutaways, under Agreement C-4-1894, in Oct-2015. The last bus price was \$114,000.

What phase of the project does this line item support? The procurement process.

What phase of the project is this line item in, as of January 2, 2019? Planning phase.

Is this line item rebudgeted from a prior fiscal year? No.

Description:	Buses - 40 Foot			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	2114-9024-D2108-00Q	Quantity:	299
Line Item ID:	FY20-01768	Type:	Encumbrance	Unit Cost:	\$645,500.00
Manager:	Bill Habibe			Total:	\$193,004,500
Grant Funded?	<input checked="" type="checkbox"/>				

Funding: 0030-6042-D2108-LKA 40' CNG Powered Buses 129,745,500
Total Funded: 129,745,500

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 sub fleet replacement of 299, 2007/08 vintage year, Compressed Natural Gas (CNG) powered New Flyer buses that have exceeded the Federal Transit Administration (FTA) useful life of 12 years or 500,000 miles of operation. The prospective contract award plans to have 2 buses delivered per week beginning in September 2021. All deliveries are expected to be completed by September 2023. Currently, there are more than 100 buses that have exceeded the 500,000 miles, and some of them are on their way to reach 700,000 miles of operation shortly.

Please explain how you arrived at the budgeted dollars requested. The budgetary request is based on the last OCTA procurement of CNG powered buses, awarded via OCTA Agreement C-4-1280, on December 2014. The last bus price was \$589,500.

What phase of the project does this line item support? Procurement phase.

What phase of the project is this line item in, as of January 2, 2019? Planning phase.

Is this line item rebudgeted from a prior fiscal year? No.



Bus Program

Bus Procurement / Engine Upgrades

Description:	Heavy Duty Battery Electric Buses			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	2114-9024-D2108-0UU	Quantity:	5
Line Item ID:	FY20-02792	Type:	Encumbrance	Unit Cost:	\$1,072,113.00
Manager:	Cliff Thorne			Total:	\$5,360,565
Grant Funded?	<input checked="" type="checkbox"/>				
Funding:	0030-6110-D2108-0UU	Heavy Duty Battery Electric Buses		4,459,424	
Funding:	0030-6080-D2108-0UU	Heavy Duty Battery Electric Buses		901,141	
				Total Funded:	5,360,565

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

Five battery electric buses be procured as part of the Solutions for Congested Corridors Program (SCCP) grant awarded to OCTA to operate in BRAVO! service on Main street. These five battery electric buses will be procured through one of the following sources; OCTA's own Technical Request for Proposal (RFP) which has well defined attributes, operating parameters and requirements for buses intended for service by the Authority or, through the State of California, Department of General Services solicitation for battery electric buses, RFP #2310-4399 released on Feb-28-2019, which has a planned award timeline during the FY-2019/2020.

Please explain how you arrived at the budgeted dollars requested.

Estimated budgetary funding request is based on most recently submitted pricing by a battery electric bus builder

What phase of the project does this line item support?

The procurement of five battery electric buses.

What phase of the project is this line item in, as of January 2, 2019?

Bid Proposal review/Final award.

Is this line item rebudgeted from a prior fiscal year?

No.

Description:	Vans for OC Flex Service - Huntington Beach			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	2149-9024-D2160-N96	Quantity:	2
Line Item ID:	FY20-01822	Type:	Encumbrance	Unit Cost:	\$65,000.00
Manager:	Bill Habibe			Total:	\$130,000
Grant Funded?	<input type="checkbox"/>				

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

These funds are intended to fund the procurement of two (2) vans for the expansion of OC Flex's services in the city of Huntington Beach.

Please explain how you arrived at the budgeted dollars requested.

The budgetary request is based on OCTA's last procurement of vans, via OCTA Purchase Order # C-7-2151, dated January 11, 2018; \$60,500 each. These procurements were funded by account 2149.

What phase of the project does this line item support?

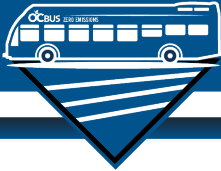
Procurement phase.

What phase of the project is this line item in, as of January 2, 2019?

Planning phase.

Is this line item rebudgeted from a prior fiscal year?

No.



Bus Procurement / Engine Upgrades

Description:	Vans for OC Flex Service - South County			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	2149-9024-D2161-N97	Quantity:	2
Line Item ID:	FY20-01823	Type:	Encumbrance	Unit Cost:	\$65,000.00
Manager:	Bill Habibe			Total:	\$130,000
Grant Funded? <input type="checkbox"/>					

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables. These funds are intended to fund the procurement of two (2) vans intended for the expansion of OC Flex's services in Aliso Viejo and Laguna Niguel.

Please explain how you arrived at the budgeted dollars requested. The budgetary request is based on OCTA's last procurement of vans, via OCTA Purchase Order # C-7-2151, dated January 11, 2018; \$60,500 each. These procurements were funded by account 2149.

What phase of the project does this line item support? Procurement phase.

What phase of the project is this line item in, as of January 2, 2019? Planning phase.

Is this line item rebudgeted from a prior fiscal year? No.

iShuttle Buses

Description:	iShuttle Buses - 32 Foot			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	2148-9024-D2140-F30	Quantity:	12
Line Item ID:	FY20-01821	Type:	Encumbrance	Unit Cost:	\$557,789.00
Manager:	Bill Habibe			Total:	\$6,693,468
Grant Funded? <input type="checkbox"/>					

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables. These funds are being requested in preparation for the release of a Request for Proposal for the procurement of iShuttle buses for OCTA. Twelve buses currently operating as iShuttle service vehicles in the City of Irvine (City) have reached, and exceeded, their useful service life and are in need of replacement.

Please explain how you arrived at the budgeted dollars requested. Previous purchase done under account 2148-9024-D2140-F30

What phase of the project does this line item support? Procurement phase.

What phase of the project is this line item in, as of January 2, 2019? Planning phase.

Is this line item rebudgeted from a prior fiscal year? Yes.



Bus Program

Transit Security & Operations Center

Description:	Transit Security and Operations Center - Design Services			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	0051-9017-D3143-0LG	Quantity:	1
Line Item ID:	FY20-01735	Type:	Encumbrance	Unit Cost:	\$3,500,000.00
Manager:	George Olivo			Total:	\$3,500,000
Grant Funded? <input type="checkbox"/>					
Funding:	0051-6517-D3143-F30 Interfund Transfer				3,500,000
				Total Funded:	3,500,000

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 capabilities so that essential emergency response 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 100% design phase.

What phase of the project is this line item in, as of January 2, 2019?

Preliminary engineering and environmental clearance phase.

Is this line item rebudgeted from a prior fiscal year?

Yes.

Transit Technology and Communications Capital

Description:	Hastus Upgrade			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	1288-9028-D0001-9RS	Quantity:	1
Line Item ID:	FY20-01984	Type:	Cash	Unit Cost:	\$1,500,000.00
Manager:	Catherine Whitmore			Total:	\$1,500,000
Grant Funded? <input type="checkbox"/>					

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

In an effort to move to commercial software, the Authority moved away from its use of an internally developed Coach Operator timekeeping system and went live on Hastus v2013 in August of 2017. Due to the nature of the implementation, v2013 was chosen as the OCTA platform since it was the most current Hastus product at contract signature.

New Hastus versions are released every year which puts the Authority about 5 years behind at this time. Therefore, the Authority is seeking to upgrade their Hastus version to v2019 so as to remain up-to-date on software and environmental support. This also allows for the possible implementation of new functionalities in the future.

The primary employee group that is being serviced by the application is the Bus Operations.

Please explain how you arrived at the budgeted dollars requested.

This is calculated based on the previous years' history, averages, and patterns of expenditures

What phase of the project does this line item support?

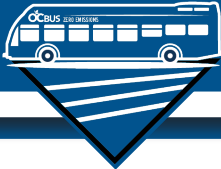
This item will support the project through all phases starting with planning and going through project completion including release to operations.

What phase of the project is this line item in, as of January 2, 2019?

Planning.

Is this line item rebudgeted from a prior fiscal year?

No



Transit Technology and Communications Capital

Description:	Ellipse and Work Force Management Process Improvements			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	2159-9028-D2108-05H	Quantity:	1
Line Item ID:	FY20-01665	Type:	Encumbrance	Unit Cost:	\$200,000.00
Manager:	Marie Latino			Total:	\$200,000
Grant Funded? <input type="checkbox"/>					

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 Work Force Management (WFM) upgrade from the current Ellipse software program, additional funds are going to be needed to implement new process improvements. Two of the needs that are not present in the Work Force Management Program are Parts requisitioning for WFM to interface with Ellipse and the capturing of parts spending through the Orange County Batch Work Order Closure (OCBWOC) costing analyst. In addition, there would be warranty tracking with Ellipse to electronically capture all warranty parts recovered and interface abilities to capture service and material costs that do not go through the parts system.

Please explain how you arrived at the budgeted dollars requested.

This is an estimate from the Information Systems Department and past History

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, 2019?

Software upgrade completion

Is this line item rebudgeted from a prior fiscal year?

Yes

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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					
1141	Safety & Environmental	9025	Vehicle - Construction Safety Support	45,000	96
1240	Accounting & Financial Rp	9028	SunGard Upgrade - Capital Portion	7,670	96
1240	Accounting & Financial Rp	9028	Software Enhancement for Document Viewing	18,000	97
1260	Revenue Administration	9028	Color Printer	10,000	97
1285	E'prise Comp Solut'n & Su	9028	Safety and Compliance Application Implementation	100,000	97
1291	Printing & Reprographics	9026	Nuvera Black and White Printer/Copier Press	165,000	98
Technical Infrastructure and Business Systems Support					
1283	IS Technology & User Sup	9028	Unified Communications Upgrades/Replacements	90,555	99
1284	IS Technical Services	9028	Replacement of Video Servers for Administration Buildings	150,000	100
1284	IS Technical Services	9028	Kemp Load Balancers	16,000	100
1285	E'prise Comp Solut'n & Su	9028	Lawson Upgrade to Version 11	1,500,000	101
1289	Cyber Security	9028	Cyber Security Hardware	40,000	102
Subtotal Capital - Non-Program Specific				\$ 2,142,225	



Administration

General Fund Administrative Expenses

Description:	Vehicle - Construction Safety Support			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	1141-9025-A2024-000	Quantity:	1
Line Item ID:	FY20-01924	Type:	Cash	Unit Cost:	\$45,000.00
Manager:	Matthew DesRosier			Total:	\$45,000
Grant Funded? <input type="checkbox"/>					

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables. Safety staff is currently using a vehicle from the OCTA loaner pool. The vehicle unit is 9868, and it is currently 15 years old. According to the non-revenue vehicle policy, the useful life of a special purpose vehicle is 10 years or 100,000 mileage. This line item supports the replacement of unit 9868.

Please explain how you arrived at the budgeted dollars requested. This estimate is based on current market manufacturer's suggested retail price.

What phase of the project does this line item support? Construction Safety.

What phase of the project is this line item in, as of January 2, 2019? Construction Safety.

Is this line item rebudgeted from a prior fiscal year? No.

Description:	SunGard Upgrade - Capital Portion			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	1240-9028-A0001-0BG	Quantity:	1
Line Item ID:	FY20-02165	Type:	Cash	Unit Cost:	\$7,670.00
Manager:	Vicki Austin			Total:	\$7,670
Grant Funded? <input type="checkbox"/>					

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables. For the capital portion of the SunGard upgrade to HTML5 protocol.

Please explain how you arrived at the budgeted dollars requested. Based on the current accounting system.

What phase of the project does this line item support? Include project management and installation for testing and production.

What phase of the project is this line item in, as of January 2, 2019? N/A

Is this line item rebudgeted from a prior fiscal year? No



General Fund Administrative Expenses

Description:	Software Enhancement for Document Viewing			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	1240-9028-A5102-000	Quantity:	1
Line Item ID:	FY20-02324	Type:	Encumbrance	Unit Cost:	\$18,000.00
Manager:	Vicki Austin			Total:	\$18,000
Grant Funded? <input type="checkbox"/>					

Please write a scope of work for this line item that could be used for procurement. Include a workplan identifying tasks or deliverables. MHC Software Inc. document enhancement will allow employees to access documents on Lawson Employee Self Service portal. Employees will be able to view check stubs and W-2s.

Please explain how you arrived at the budgeted dollars requested. Quote from vendor.

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, 2019? N/A

Is this line item rebudgeted from a prior fiscal year? No.

Description:	Color Printer			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	1260-9028-A0001-06J	Quantity:	2
Line Item ID:	FY20-00499	Type:	Hardware-Other	Unit Cost:	\$5,000.00
Manager:	Sam Kaur			Total:	\$10,000
Grant Funded? <input type="checkbox"/>					

Please provide a complete description of this request. This line item is to request funds for a new color printer. Currently, the 4th floor does not have a color printer, and staff must go to other floors to print documents in color.

Description:	Safety and Compliance Application Implementation			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	1285-9028-A5351-0R6	Quantity:	1
Line Item ID:	FY20-01985	Type:	Cash	Unit Cost:	\$100,000.00
Manager:	Catherine Whitmore			Total:	\$100,000
Grant Funded? <input type="checkbox"/>					

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 will reach the end of its 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 second-hand per occurrence from wherever it is happening. If there is 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. It will support planning through project completion, including release to operations.

What phase of the project is this line item in, as of January 2, 2019? Planning

Is this line item rebudgeted from a prior fiscal year? No



Administration

General Fund Administrative Expenses

Description:	Nuvera Black and White Printer/Copier Press			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	1291-9026-A5300-000	Quantity:	1
Line Item ID:	FY20-01875	Type:	Cash	Unit Cost:	\$165,000.00
Manager:	Luis Perez			Total:	\$165,000
Grant Funded?	<input type="checkbox"/>				

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

OCTA is looking to buy a Xerox Nuvera 144 EA Production Press. The offer shall include the price for training, installation, maintenance, and an extended warranty as an option. The equipment should be able to, but not be limited to, doing the following:

- An output of 144 pages per minute
- Can rip at a 1200X 1200 dpi
- Have the ability to staple
- Must have a booklet maker
- Be capable of in-line tape binder and be able to fold jobs
- At least two large paper trays (Maximum sheet size: 12.6"x18.5" & minimum sheet size: 5.5"x8.3")

Machine Capabilities:

- The ability to program tabs, pads, and slip-sheets
- The ability to create one-sided to two-sided copies
- The ability to copy sets double-sided or single-sided while on interrupt feature
- The ability to take jobs that come within the network and from the internet
- The ability to handle multiple jobs at the same time. For example: scan, rip, and print
- Be able to print from Adobe PostScript TIFF, PCL5c, PCL6XL, EPS, JPEG, PEDF/VT
- The ability to view materials before printing
- Be compatible with the Xerox Free Flow Print Server

Paper Stock:

The copier should be able to copy the following types of paper: 20 lbs., bond to 130 lbs. cover/ transparencies/coated and uncoated paper, bright papers, labels, business cards, glossy brochures, durable/synthetic papers, greeting cards, tabs, embossed, polyesters, and custom solutions

Please explain how you arrived at the budgeted dollars requested.

Amount quoted by Xerox - sole source vendor

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, 2019?

N/A

Is this line item rebudgeted from a prior fiscal year?

No



Technical Infrastructure and Business Systems Support

Description:	Unified Communications Upgrades/Replacements			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	1283-9028-A5352-04Y	Quantity:	1
Line Item ID:	FY20-02007	Type:	Encumbrance	Unit Cost:	\$90,555.00
Manager:	Ron Wolf			Total:	\$90,555
Grant Funded? <input type="checkbox"/>					

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

Most of the hardware (servers, public switched telephone network gateways, analog gateways) used for OCTA's current Unified Communications, which provides dial-tone for inbound and outbound calls, was purchased in 2014 and is long past the manufacturers' 'End of Life' date. Replacements to accommodate the move of the main data center at the Orange Administration office to the Switch Colocation site in Nevada will require replacements or upgrades to all gateways and additional purchases for the Nevada site. Due to the age of the equipment, and the changes in technology since the time of the purchase, nearly all of the original hardware can no longer be upgraded and must be replaced. A \$77,136 quote for this was obtained from the manufacturer in FY 19. Including taxes, the total cost for this item is expected to be \$82,555.

This line item includes \$8,000 for two physical servers for the hybrid or on-premise upgrade from Lync 2013 Server to Skype for Business 2019 Server. At the time this budget was developed, OCTA had a Microsoft Phone System (Cloud Voice) Pilot scheduled in the third quarter of FY 19. However, two business critical systems have not yet matured to use Cloud Voice yet. These include a Call Recording solution for Central Communications, Bus Operations Window Dispatch, OC Access Radio Dispatch, and a Call Center solution needed for the three OCTA Call Centers which provide scheduling service for OC ACCESS/Paratransit, ACCESS Eligibility, and the Information Systems Help Desk. As a result, until cloud solutions meeting these needs are available, budget funds to ensure we can implement the necessary on-premise and/or hybrid systems. In the event OCTA determines a 'fully' Cloud Voice environment is possible due to the maturation of cloud-enabled call recording and call center solutions, these budgeted funds will be used for the implementation of those systems instead.

Please explain how you arrived at the budgeted dollars requested.

A quote for existing hardware replacements, and where possible, upgrades, was obtained from the manufacturer in FY 19 in an amount of \$77,136. Adding in taxes, the total for this is \$82,555.

This line item also includes \$8,000 for two physical servers.

What phase of the project does this line item support?

Purchase, installation, configuration, and implementation.

What phase of the project is this line item in, as of January 2, 2019?

Pilot project to determine what level of Cloud Voice (full, hybrid, or Skype for Business 2019 Server on-premise) will best meet OCTA's needs.

Is this line item rebudgeted from a prior fiscal year?

No.



Administration

Technical Infrastructure and Business Systems Support

Description:	Replacement of Video Servers for Administration Buildings			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	1284-9028-A5352-0S1	Quantity:	1
Line Item ID:	FY20-02020	Type:	Cash	Unit Cost:	\$150,000.00
Manager:	Michael Beerer			Total:	\$150,000
Grant Funded? <input type="checkbox"/>					

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

Replace existing administration 550 and 600 Building Video Servers, which are at their end of life, with high availability cluster servers that will be located at new data center in Las Vegas. This is also to replace the Lenel Access control servers. Security has determined that these servers are mission critical and the RTO recovery objective of these servers is less than 24 hours. This necessitates new clustered designs to eliminate any single point of failure and minimize downtime for normal service work. Video cameras will send videos directly to the servers located in Las Vegas to better protect the integrity of the system and to get video storage away from the site incase of an event. OCTA is required by law to provide 1 full year of video storage. As proposed, this would require at least 180TB of storage per Video server and 12TB or storage per Lenel Access control server.

Please explain how you arrived at the budgeted dollars requested.

This is for the server hardware and was taken from Security configuration from the incumbent video and access control support contract holder. Incumbent provided quote.

What phase of the project does this line item support?

Initiation through completion

What phase of the project is this line item in, as of January 2, 2019?

Proposed

Is this line item rebudgeted from a prior fiscal year?

No

Description:	Kemp Load Balancers			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	1284-9028-A5352-18I	Quantity:	1
Line Item ID:	FY20-02041	Type:	Cash	Unit Cost:	\$16,000.00
Manager:	Michael Beerer			Total:	\$16,000
Grant Funded? <input type="checkbox"/>					

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

Current Kemp Load Balancers are at their End of Life and End of Support. Kemp will no longer support our current devices. The plan is to replace existing kemp load balancers with new virtual appliances. Kemp load balancers support octa.net, OCTA intranet, Citrix, and several other web enabled applications.

Please explain how you arrived at the budgeted dollars requested.

Quote from vendor.

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, 2019?

Production

Is this line item rebudgeted from a prior fiscal year?

No



Technical Infrastructure and Business Systems Support

Description:	Lawson Upgrade to Version 11			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	1285-9028-A5359-9RS	Quantity:	1
Line Item ID:	FY20-02743	Type:	Cash	Unit Cost:	\$1,500,000.00
Manager:	Bill Mao			Total:	\$1,500,000
Grant Funded? <input type="checkbox"/>					

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

In an effort to consolidate our disparate HRIS applications that feed information into and out of our Lawson Human Resources Information solution, the Authority is looking to pull these functions into one application. This would reduce the number of required interfaces, and the amount of human oversight, needed to ensure all applications are succinct and up to date.

An upgrade from Lawson v10 to Global HR (GHR) v11/Payroll v10 would address the movement of our disparate systems, Halogen, ICIMs, TalentWise, and OrgPublisher, into one hosted application. This upgrade would combine the functions of the online recruiting, applicant management, learning management, performance management, position control, and visual organization hierarchies with an online time entry system. As a result, there would be one current, user friendly application.

This upgrade would minimize the impact on our current payroll v10 version requiring some rework of the interfaces between the two systems.

The Authority is seeking the services from Infor, the manufacturer of the GHR and Lawson application suite, to design, configure, and implement the HRIS for the administrative employees. Lawson shall provide setup (setup to be optimized for the Authority's operating and contractual parameters), data migration, testing, and training services.

Proposed Work Plan:

Vendor shall provide project oversight as well as consulting services appropriate to each phase of the scope stated below.

The phases included in this project are as follows:

- Phase 1 – Project Planning and Management
- Phase 2 – Assessment and Design
- Phase 3 - Construction and Testing
- Phase 4 – Go-live Phase

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. The support will begin with planning and continue through project completion, including release to operations.

What phase of the project is this line item in, as of January 2, 2019?

Planning

Is this line item rebudgeted from a prior fiscal year?

No



Administration

Technical Infrastructure and Business Systems Support

Description:	Cyber Security Hardware			Recurring?	<input type="checkbox"/>
FY:	2020	Account:	1289-9028-A5352-0EX	Quantity:	1
Line Item ID:	FY20-01943	Type:	Cash	Unit Cost:	\$40,000.00
Manager:	Michael Cardoza			Total:	\$40,000
Grant Funded? <input type="checkbox"/>					

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

OCTA is looking to purchase a network monitoring appliance that can be used to monitor, protect, and alert on network traffic that would be missed by endpoint and edge security appliances and tools. The end solution should be an Artificial Intelligence or Behavior/Learning based solution.

Please explain how you arrived at the budgeted dollars requested.

Price estimates from vendors that were averaged to cover expected expenses

What phase of the project does this line item support?

Execution phase

What phase of the project is this line item in, as of January 2, 2019?

Planning

Is this line item rebudgeted from a prior fiscal year?

Yes, for the solution. This product will be used to replace the current network monitoring tool (iSensor IDS)

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