I-580 Express Lanes
New O&M Contract

TOLL-PAYING VEHICLES

TRANSIT

A Presentation for the
I-580 Express Lane Policy Committee
May 8, 2017

ALAMEDA
County Transportation Commission

Request

Approve and authorize the Executive Director to execute a Professional Services Agreement with Electronic Transaction Consultants Corporation for a not-to-exceed amount of $7,500,000 to provide Operations and Maintenance services for the I-580 Express Lanes for three years.

Need

- Toll system field equipment requires daily maintenance
- Toll system field equipment requires regular performance monitoring and as-needed tuning
- Toll system software requires ongoing monitoring and regular upgrades
- Toll system modifications will be needed for upgrade to 6C technology and future changes in tolling policy such as partial tolling of clean-air vehicles
- Current O&M contract expires 6/30/2017

Status

- ETCC is Toll System Integrator and designer of record
  - *ETCC currently providing O&M services and manual image review; monthly average cost $180,000*
- Industry practice is retention of TSI during early years
  - *ETCC designed system software used on I-580 EL*
  - *ETCC has intimate knowledge of system infrastructure*
  - *System code is proprietary: only ETCC can modify*
    - No changes to upgrade for 6C technology or modify tolling policies, such as partial tolling of clean-air vehicles, can be implemented without engaging ETCC while this system is in place

Recommendation

- Prudent to retain ETCC for next three years (July 2017 – June 2020)
- Current technology has shelf-life of 5-10 years
- Next few years will introduce other system integrator products to Bay Area
- Advanced technology can be implemented in future years after open procurement

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3-year Contract Budget: $7,500,000

Task Item	Estimated Budget
Field Maintenance (24/7 service), including equipment monitoring and replacement	$1,332,000
Back office and remote support for the software applications and database (24/7 service), including performance monitoring and engineering support	$1,156,000
Third party software licenses and subscription-based support services	$264,000
Leased communication services for data transfer between the field equipment and the toll data center in San Francisco	$562,000
Ad-Hoc Performance and Data Reporting Services	$353,000
Manual Image Review to support express lane trip building[1]	$1,000,000
On-Call Services for major field repairs due to accidental damage, system modifications requested to improve system performance, or system changes in response to modifications in tolling policies (such as 6C or partial tolling of clean air vehicles)[2]	$843,000
Total:	$7,500,000

[1] Manual image review is paid per image reviewed.
[2] On-call services would be issued on a task-order basis.

Questions & Answers

I-580 Express Lane Policy Committee Meeting

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