

**Metro**Los Angeles County
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metro.net**PLANNING & PROGRAMMING COMMITTEE
MAY 14, 2014**

SUBJECT: I-605 “HOT SPOTS” ARTERIAL PACKAGES - ENVIRONMENTAL CLEARANCE AND PRELIMINARY ENGINEERING SERVICES FOR INTERSECTION IMPROVEMENTS IN THE CITIES OF LA MIRADA, SANTA FE SPRINGS, AND CERRITOS

ACTION: AWARD CONTRACT

RECOMMENDATION

- A. Authorize the Chief Executive Officer (CEO) to award a 12-month, cost-plus-fixed-fee Contract No. PS4720-3251 to PacRim Engineering, Inc., for the Environmental Clearance and Preliminary Engineering Services for Intersection Improvements in the Cities of La Mirada, Santa Fe Springs, and Cerritos, in an amount not-to-exceed \$592,884.

ISSUE

Metro, in collaboration with Caltrans and the Gateway Cities Council of Governments (GCCOG), is leading the development of Measure R I-605 “Hot Spots” highway and arterial improvement projects. This contract award will enable Metro to obtain environmental clearance and preliminary engineering services for intersection improvements in the Cities of La Mirada, Santa Fe Springs, and Cerritos.

DISCUSSION

Measure R designated \$590 million for congestion “Hot Spots” relief improvements along the I-605, SR-91 and I-405 Corridors in the Gateway Cities sub-region. The I-605 Technical Advisory Committee (TAC) and Corridor Cities Committee (CCC) were formed by the GCCOG to provide technical and policy direction, respectively, for the development of future transportation improvements within the SR-91/I-605/I-405 corridors. In March 2013, Metro and the GCCOG completed a feasibility study for the SR-91/I-605/I-405 Corridor. As part of the feasibility study, an Arterial Intersection Congestion Analysis Report was prepared. That report identified intersection congestion “Hot Spots”, intersection ranking methodology, corresponding traffic analysis, and recommendations for arterial intersection improvements.

The “Top 40” intersections selected for further improvements are illustrated graphically in Attachment B and summarized in a table in Attachment C. The I-605 TAC & CCC requested Metro to lead the procurement of the environmental clearance and correlating preliminary engineering services for the 10 intersections listed in Attachment D. The remaining intersections will be addressed by the respective jurisdiction in which the intersections are located.

The award of this contract will allow Metro staff to move forward with the environmental clearance and the correlating preliminary engineering for 4 intersections. Separate procurements will be undertaken for the remaining 6 intersections. The intersections covered under this contract are: (a) Valley View Avenue/Alondra Boulevard, (b) Valley View Avenue/Rosecrans Avenue, (c) Bloomfield Avenue/Artesia Boulevard, and (d) Carmenita Road/South Street.

DETERMINATION OF SAFETY IMPACT

The environmental clearance and preliminary engineering services required for intersection improvements in the Cities of La Mirada, Santa Fe Springs, and Cerritos will have no impact on the safety of Metro’s patrons or employees.

FINANCIAL IMPACT

Funding for this project is included in the FY15 budget-request in Cost Center 4720, under Project 460314, I-605 Hot Spots.

If any amendments occur which cause the contract to extend beyond 12 months, the cost center manager and Executive Director, Engineering & Construction will be responsible for requesting future fiscal year budget.

Impact to Budget

The source of funds for this project is Measure R 20% Highway Funds. No other sources of funds were considered as these are specifically identified for this project. These funds are not eligible for bus and rail operating and capital expenditures.

ALTERNATIVES CONSIDERED

Two alternatives were considered:

1. Utilize Metro staff to perform the environmental clearance and the correlating preliminary engineering. This alternative is not recommended because Metro does not have the staffing available to complete the workload in the specified timeframe.
2. Not authorizing the CEO to negotiate, award and execute the consultant contract. Staff is not recommending this alternative because the Project reflects

consensus amongst local jurisdictions for moving forward with specific intersection improvements. Approval to proceed with the environmental clearance and preliminary engineering for intersection improvements in the Cities of La Mirada, Santa Fe Springs, and Cerritos is consistent with the recommendations of the I-605 TAC and CCC, the GCCOG, and the goals of Measure R: I-605 “Hot Spots” Program.

NEXT STEPS

Upon Board approval, staff will issue the Notice to Proceed.

ATTACHMENTS

- A. Procurement Summary
- B. I-605 “Hot Spots” Arterial Improvements – “Top 40” Intersections Selected for Improvement Evaluation
- C. I-605 “Hot Spots” Arterial Improvements – Initial Projects
- D. Metro Led Procurements: Environmental Clearance for Intersection Improvements

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Chief Executive Officer

**PROCUREMENT SUMMARY
ENVIRONMENTAL CLEARANCE AND PRELIMINARY ENGINEERING SERVICES
FOR INTERSECTION IMPROVEMENTS IN THE CITIES OF LA MIRADA,
SANTA FE SPRINGS, AND CERRITOS**

| | | |
|----|--|-------------------------------------|
| 1. | Contract Number: PS4720-3251 | |
| 2. | Recommended Vendor: PacRim Engineering, Inc. | |
| 3. | Type of Procurement (check one): <input type="checkbox"/> IFB <input type="checkbox"/> RFP <input checked="" type="checkbox"/> RFP-A&E <input type="checkbox"/> Non-Competitive <input type="checkbox"/> Modification <input type="checkbox"/> Task Order | |
| 4. | Procurement Dates: | |
| | A. Issued: February 10, 2014 | |
| | B. Advertised/Publicized: February 10, 2014 | |
| | C. Pre-proposal/Pre-Bid Conference: February 18, 2014 | |
| | D. Proposals/Bids Due: March 10, 2014 | |
| | E. Pre-Qualification Completed: April 4, 2014 | |
| | F. Conflict of Interest Form Submitted to Ethics: March 18, 2014 | |
| | G. Protest Period End Date: May 21, 2014 | |
| 5. | Solicitations Picked up/Downloaded: 93 | Bids/Proposals Received: 7 |
| 6. | Contract Administrator: Aielyn Dumaua | Telephone Number: (213) 922-7320 |
| 7. | Project Manager: Adrian Alvarez | Telephone Number: (213) 922-3001 |

A. Procurement Background

This Board action is for the approval of an Architectural and Engineering (A&E), qualifications-based procurement issued for environmental clearance and preliminary engineering services for intersection improvements in the Cities of La Mirada, Santa Fe Springs, and Cerritos.

On February 10, 2014, Metro released a Request for Proposal (RFP) to solicit professional services for environmental clearance and preliminary engineering services for intersection improvements in the Cities of La Mirada, Santa Fe Springs, and Cerritos. The RFP was issued in accordance with Metro's Acquisition Policy & Procedure and the contract type is cost-plus-fixed-fee. Two amendments were issued during the solicitation phase of this RFP:

- Amendment No. 1, issued on February 21, 2014, provided electronic copies of the Plan-Holder's list, sign-in sheets and business cards, and minutes of the Pre-Proposal Conference.
- Amendment No. 2, issued on February 26, 2014, provided responses to Proposer questions.

A pre-proposal conference was held on February 18, 2014. Twenty-seven questions were asked and responses were released prior to the proposal due date. Seven proposals were received by the due date, March 10, 2014.

B. Evaluation of Proposals

Seven proposers responded to this solicitation. A Proposal Evaluation Team (Team) consisting of staff from Metro's Highway Program, City of La Mirada, and City of Cerritos were convened and conducted a comprehensive technical evaluation of the proposals received.

The technical proposals were evaluated based on the following evaluation criteria and weights:

- | | |
|---|-----|
| • Qualifications of the Firm/Team | 25% |
| • Experience of Project Manager and Key Personnel | 35% |
| • Project Understanding and Approach | 15% |
| • Work Plan | 25% |

The evaluation criteria are appropriate and consistent with criteria developed for similar procurements for environmental clearance and preliminary engineering services. The Team evaluated each proposal according to the pre-established evaluation criteria and reasonableness of the technical proposals.

This is an A&E qualification-based procurement. Price cannot be used as an evaluation factor pursuant to state and federal law.

Seven proposals were deemed responsive. The seven firms are listed below in alphabetical order:

1. Axiom Corporation
2. D R Consultants & Designers, Inc.
3. JM Diaz, Inc.
4. KOA Corporation
5. Minagar & Associates, Inc.
6. PacRim Engineering, Inc.
7. Wilson & Company, Inc.

The Team evaluated the technical proposals from March 11 to March 19, 2014. On March 20, 2014, the Team met to determine the competitive range. Two proposers were determined to be within the competitive range.

On March 31, 2014, oral presentations were held with the two firms in the competitive range. The firms' project manager and key team members presented their team's qualifications, experience with required tasks, and discussed their

approach to successfully meet Metro’s requirements. The final scoring, after the oral presentations, for the top ranked team is as follows:

| | FIRM | Average Score | Factor Weight | Weighted Average Score | Rank |
|-----------|---|----------------------|----------------------|-------------------------------|-------------|
| 1. | Pac Rim Engineering, Inc. | | | | |
| 2. | Qualifications of the Firm/Team | 86.51 | 25.00% | 21.63 | |
| 3. | Experience of Project Manager and Key Personnel | 83.81 | 35.00% | 29.33 | |
| 4. | Project Understanding and Approach | 82.78 | 15.00% | 12.42 | |
| 5. | Work Plan | 89.00 | 25.00% | 22.25 | |
| 6. | Total | | 100.00% | 85.63 | 1 |

The recommended firm, PacRim Engineering, Inc. (PacRim), is a civil and structural engineering consulting firm based in Anaheim, CA. PacRim has completed several similar projects including the intersection improvement of Birch Street between Kraemer Boulevard and Valencia Avenue, the environmental clearance for Firestone Boulevard between Stewart and Gray and Studebaker Roads, and the widening of the Vermont Avenue Bridge. The Team determined that the PacRim team presented strong credentials across the disciplines identified in the statement of work including experience on intersection improvements, handling right-of-way issues, and successful delivery of environmental documents.

The proposed PacRim team is comprised of experienced professionals with extensive expertise and experience in project management, geotechnical engineering, environmental clearance, quality assurance, and client and stakeholder relations. In addition, the proposed Project Manager has over 29 years of experience working on public works, flood control, intersection improvements, and highway projects throughout Southern California. He has managed numerous projects in infrastructure, transportation, and public works including planning, preliminary design, environmental process, and plans, specifications, and estimates.

The strengths of PacRim’s proposal were in their proposed management, work plan, inclusion of strongly qualified and experienced key personnel especially as it relates to handling right-of-way issues, thorough understanding of the scope of work, and their ability to anticipate challenges, and provide solutions, in completing the scope of work.

C. Cost/Price Analysis

The final negotiated amount will comply with all requirements of Metro’s Acquisition Policy and Procedures, including fact-finding, clarifications, negotiations, and cost analysis to determine a fair and reasonable price before the contract is executed.

| | Proposer Name | Proposal Amount | Price NTE |
|----|--------------------------|------------------------|------------------|
| 1. | PacRim Engineering, Inc. | \$592,884 | \$592,884 |

D. Background on Recommended Contractor

The recommended firm, PacRim Engineering, Inc., located in Anaheim, California, has been in business since 1999 and specializes in civil and structural engineering consulting services. This firm and its subcontractors has demonstrated its technical expertise through a number of intersection improvement projects including the Riverside Avenue and Avenue 19 Intersection and Road Replacement Project, the Rice Avenue and Channel Islands Boulevard Intersection Improvement, and Firestone Boulevard Improvements between the intersections of Stewart and Gray and Studebaker Roads.

PacRim has assembled a highly qualified team consisting of PacRim and 6 subcontractors. The proposed team will provide project management and a highly experienced network of technical personnel that will support the completion of the environmental clearance and preliminary engineering for 4 intersection improvements in the cities of La Mirada, Santa Fe Springs, and Cerritos.

E. Small Business Participation

The Diversity and Economic Opportunity Department (DEOD) established a 35% Small Business Enterprise (SBE) goal for this solicitation. PacRim, an SBE Prime, exceeded the SBE goal and made a pre-negotiated SBE commitment of 62.72%. PacRim also made commitments to five SBE subcontractors. Final SBE contract commitments will be determined after negotiations are completed.

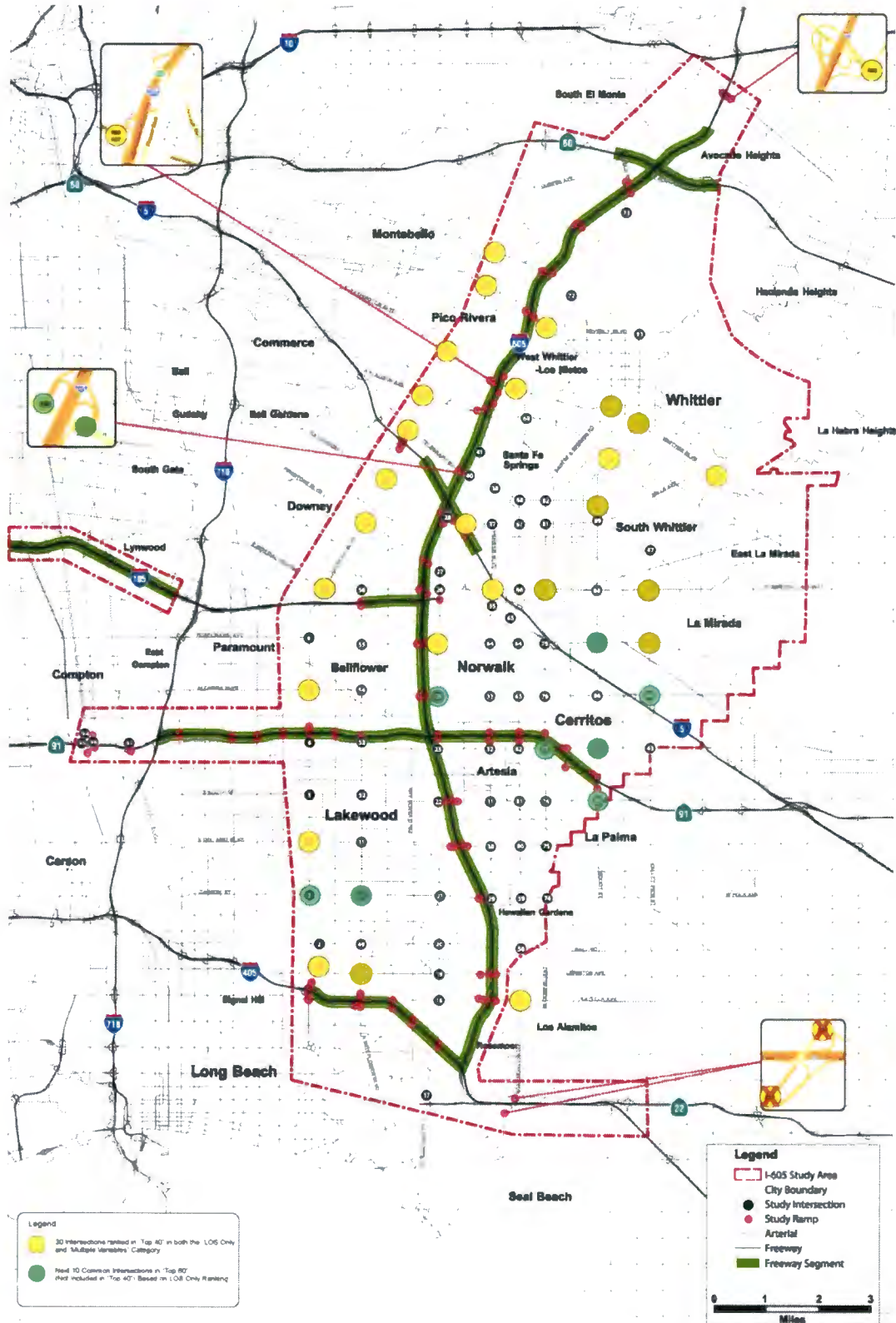
| | | | |
|----------------------------|----------------|----------------------------------|-------------------|
| SMALL BUSINESS GOAL | 35% SBE | SMALL BUSINESS COMMITMENT | 62.72% SBE |
|----------------------------|----------------|----------------------------------|-------------------|

| | SBE Prime and Subcontractors | % Committed |
|----|--|--------------------|
| 1. | PacRim Engineering, Inc. (SBE Prime) | 31.62% |
| 2. | GPA Consulting | 10.76% |
| 3. | System Metrics Group | 4.42% |
| 4. | Epic Land Solutions, Inc. | 3.56% |
| 5. | ArchaeoPaleo Resource Management, Inc. | 2.68% |
| 6. | Wagner Engineering & Survey, Inc. | 9.67% |
| | Total SBE Commitment | 62.72% |

F. All Subcontractors Included with Recommended Contractor's Proposal

| | Subcontractor | Services Provided |
|----|--|--|
| 1. | CH2M HILL, Inc. | Engineering Services and Environmental Consulting Services |
| 2. | GPA Consulting | Environmental Services: Historic Preservation & Biology Studies/ Reports |
| 3. | System Metrics Group | Civil and Traffic Engineering and Planning Consulting Services |
| 4. | Epic Land Solutions, Inc. | Right of Way Services including Cost Estimation |
| 5. | ArchaeoPaleo Resource Management, Inc. | Archaeological &, Paleontological Reports |
| 6. | Wagner Engineering & Survey, Inc. | Land Surveying, Mapping, and Right of Way Engineering |

I-605 "Hot Spots" Arterial Improvements –
 "Top 40" Intersections Selected for Improvement Evaluation



I-605 "Hot Spots" Arterial Improvements – Initial Projects

| Combined Ranking | Study Intersection # | Location | Jurisdiction | Cost Estimate | Additional R/W Required Major/Minor(*) (#) | | Environmental Document | | Consistent with Feasibility Study | Proceed with Project |
|---|----------------------|-----------------------------|--|---------------------|--|-------|------------------------|------------|-----------------------------------|----------------------|
| | | | | | | | URS | COG | | |
| 1 | 83 | Santa Fe Springs - Whittier | Whittier | \$1,740,000 | — | Y (1) | CE or IS/ND | IS/ND | y | y |
| 2 | 12 | Lakewood - Telegraph | Downey/Pico Rivera | \$2,120,000 | Y (1) | — | CE or IS/ND | IS/MND | y | y |
| 3 | 92 | Painter - Whittier | Whittier | \$1,960,000 | Y (1) | — | IS/ND | IS/MND | y | y |
| 4 | R66/R67 | I-605 SB - Washington | LA County | \$9,340,000 | — | Y (2) | Freeway ED | Freeway ED | y | y |
| 5 | 4 | Lakewood - Del Amo | Long Beach/Lakewood | \$3,230,000 | Y (3) | — | IS/ND or IS/MND | IS/MND | y | N |
| 6 | 16 | Rosemead - Beverly | Pico Rivera | \$4,040,000 | Y (1) | — | IS/ND | IS/MND | y | y |
| 7 | 25 | Studebaker - Rosecrans | Norwalk | \$1,670,000 | N | N | CE | CE | y | y |
| 9 | 81 | Painter - Mulberry | Whittier/LA County (South Whittier) (County lead) | \$2,410,000 | Y (1) | — | CE or IS/ND | IS/MND | y | y |
| 10 | 42 | Whittier - Colima | Whittier | \$1,810,000 | Y (1) | — | CE or IS/ND | IS/MND | y | y |
| 11 | 15 | Rosemead - Whittier | Pico Rivera | \$600,000 | N | N | CE | CE | y | y |
| 12 | 80 | Bloomfield - Imperial | Santa Fe Springs/Norwalk | \$920,000 | N | N | CE or IS/ND | CE | y | y |
| 13 | 46 | Valley View - Imperial | LA County (South Whittier)/La Mirada (County lead) | \$1,640,000 | N | N | CE or IS/ND | CE | y | y |
| 14 | 57 | Los Alamitos - Katella | Los Alamitos | \$1,230,000 | N | N | CE | CE | y | y |
| 15 | 39 | Florence - Orr and Day | Santa Fe Springs | \$2,380,000 | Y (2) | — | IS/ND or IS/MND | EIR | y | N |
| 16 | 7 | Lakewood - Alondra | Bellflower/Paramount | \$970,000 | N | N | CE | CE | y | y |
| 17 | 1 | Lakewood - Spring | Long Beach | \$930,000 | — | — | CE | CE | y | y |
| 18 | 9 | Lakewood - Imperial | Downey | \$2,760,000 | N | N | CE | CE | y | y |
| 19 | 71 | Norwalk-Whittier | Whittier/LA County (West Whittier) (County lead) | \$2,830,000 | N | N | IS/MND | IS/MND | y | y |
| 20 | 48 | Bellflower - Spring | Long Beach | \$730,000 | N | N | CE | CE | y | y |
| 21 | 36 | Pioneer - Imperial | Norwalk | \$1,510,000 | Y (1) | — | CE or IS/ND | IS/ND | y | y |
| 22 | 10 | Lakewood - Firestone | Downey | \$800,000 | N | N | CE | CE | y | y |
| 24 | 13 | Rosemead - Slauson | Pico Rivera | \$1,770,000 | N | N | CE | CE | y | y |
| 25 | 45 | Valley View - Rosecrans | La Mirada/Santa Fe Springs | \$350,000 | N | N | CE | CE | y | y |
| 26 | 14 | Rosemead - Washington | Pico Rivera | \$40,000 | N | N | CE | CE | y | y |
| 28 | 70 | Norwalk-Washington | Santa Fe Springs/LA County (County Lead) | \$550,000 | N | N | CE | CE | y | y |
| 29 | 90 | Carmenita - Telegraph | Santa Fe Springs/LA County (S. Whittier) (County lead) | \$800,000 | — | Y (1) | CE or IS/ND | IS/ND | y | y |
| 30 | R61 | I-605 NB Ramps - Telegraph | Santa Fe Springs | \$2,160,000 | Y (2) | — | Freeway ED | Freeway ED | y | N |
| 31 | 44 | Valley View - Alondra | Santa Fe Springs/La Mirada | \$1,500,000 | Y (1) | Y (1) | CE or IS/ND | IS/ND | y | y |
| 32 | 77 | Bloomfield - Artesia | Cerritos | \$1,680,000 | Y (1) | — | CE or IS/ND | IS/MND | y | y |
| 33 | R60 | I-605 SB Ramps - Telegraph | Santa Fe Springs | \$19,250,000 | Y (2) | — | Freeway ED | Freeway ED | y | N |
| 35 | 24 | Studebaker - Alondra | Norwalk/Cerritos | \$480,000 | N | N | CE | CE | y | y |
| 39 | 11 | Lakewood - Florence | Downey | \$2,410,000 | N | N | CE | CE | y | y |
| 40 | 84 | Carmenita - South | La Palma/Cerritos | \$470,000 | N | N | CE | CE | y | y |
| Total for all 33 intersection locations: | | | | \$77,080,000 | | | | | | |

- Notes: 1. Bloomfield/Artesia has higher unit cost for special traffic signal facilities
- 2. I-605 SB Ramp/Washington includes bridge widening cost for arterial widening over the San Gabriel River
- 3. I-605 SB Ramp/Telegraph includes bridge widening cost for arterial widening over the San Gabriel River
- 4. Costs are in 2012 dollars and are not escalated for any particular year of construction
- 5. (#) - Number of legs of intersection that require additional right-of-way

- ✖ Removed # 14 as in Orange County
- Intersections to be addressed by local agency
- ➔ Intersections removed because part of freeway interchange (#4, #30 and #33) or too complex (#39)

Metro Led Procurements: Environmental Clearance for Intersection Improvements

| Categorical Exemption (CE) | | Initial Study (IS)/ Negative Declaration (ND) | | Initial Study (IS)/Mitigated Negative Declaration (MND) | |
|----------------------------|--------------------------------|---|------------------------------|---|-----------------------------|
| Study Intersection # | Location | Study Intersection # | Location | Study intersection # | Location |
| (#7) | Lakewood - Alondra | (#83) | Santa Fe Springs- Whittier | (#92) | Painter - Whittier |
| (#1) | Lakewood - Spring | (#44) | Valley View - Alondra | (#42) | Whittier – Colima |
| (#48) | Bellflower - Spring | | | (#77) | Bloomfield - Artesia |
| (#45) | Valley View - Rosecrans | | | | |
| (#84) | Carmenita - South | | | | |