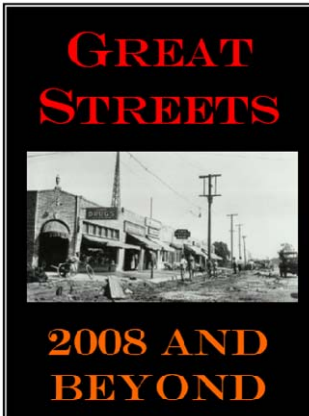


City of San Gabriel

Updated Street Paving Information and Current Project Information

Great Streets Construction Update – October 2011

Construction progresses on the Great Streets Program -- the City's approach to restoring and preserving your streets. Pavement treatments are divided into two categories: *maintenance* and *rehabilitation*.



In August, the City Council awarded the Local Street Maintenance Project contract to Pavement Coatings, Inc. to perform preventive maintenance such as crack sealing, slurry sealing, and minor asphalt overlays. Construction of this project is currently about halfway complete and is expected to be completed in December.

Pavement rehabilitation is necessary for streets that are in poor condition and typically involves patching, grinding down old pavement and installing a thick layer of asphalt concrete. The City Council awarded the Street Rehabilitation Project contract at the October 18 meeting. We expect to start construction in November with substantial completion by early 2012.

Motorists and pedestrians are reminded to stay alert, follow posted signs and “slow for the cone” in the vicinity of all construction activity. Maps showing the Local Street Maintenance Project streets and the Street Rehabilitation Streets are attached to this update. For more information, please contact Algis Marcuska at amarcuska@sgch.org or 626.308.2806, ext. 4632.



Status of Upcoming and Future Street Projects

In the current Capital Improvement Program (CIP), San Gabriel has very limited funding for paving. In conjunction with our Public Works Department, we are monitoring conditions of local and arterial streets. We are designing projects to be shelf ready to go to construction once funding has been identified. Some of these projects include East Roses Road (from Del Mar to County Club), South Charlotte Avenue (south of Mission Road), East Las Tunas Drive (from Burton to Muscatel), and Del Mar Avenue (from Wells to Mission). The current CIP has funding identified for the 2011 Local Street Maintenance Project and the 2011-2012 Street Rehab Project; improvements on Fairview Avenue; and haul route restoration projects for the ACE San Gabriel Trench Project. Any new paving projects will most likely be deferred past this 5-year plan. We are continually seeking additional funding for pavement restoration and preservation.

Pavement Management Background

At the August 17, 2010 Council Study Session, Engineering Division staff presented the results of the 2009-2010 Pavement Management Plan (PM Plan), providing an overview of the roadway network pavement condition and recommendations for funding of the City's street rehabilitation and maintenance programs.

Prior to the Millennium Miles Program in 2000, there had not been a regular program of street maintenance. Streets that were constructed in the early to mid-1900s were neglected, without any preventive maintenance for decades. This has left the City with miles of street segments and public alleys in need of reconstruction and rehabilitation. Following the Millennium Miles Program, which invested over \$4 million in the City's streets, the City initiated annual rehabilitation and maintenance projects, referred to as the Great Streets Program. Since 2008, the Great Streets Program has resurfaced 2.8 miles of local, collector, and arterial streets.

Pavement Management Approach

Through its Great Streets Program, San Gabriel utilizes three approaches to street preservation:

- 1) **Arterial Street Rehabilitation:** for major roadways that are in poor condition; work may include subgrade repair, extensive patching, or complete reconstruction followed by replacement of the top wearing surface with asphalt concrete. A recently completed project of this type is San Gabriel Blvd from Mission Road to Broadway (Figures 1 & 2).



Figs. 1 & 2: Arterial Street Rehabilitation

- 2) **Local Street Rehabilitation:** for residential streets that require significant repairs; work consists of grinding, subgrade repair, thick asphalt overlays, or full reconstruction (Figures 3 & 4).



Figs. 3 & 4: Local Street Rehabilitation

- 3) **Preventive Street Maintenance:** prolongs the life of streets that are in fair condition; work may include filling cracks and potholes, surface "skin" patching of small areas, slurry sealing (Fig. 5), and thin overlays of asphalt.



Fig. 5: Preventive Street Maintenance

Pavement Management Challenges

The City would have to direct over \$4.75 million each year to street projects for the next ten years in order to improve the condition of the City's street network to an average condition score of 80 out of 100. We would have to spend \$2.75 million per year simply to maintain the street system in its current condition of 56. However, annual funding for the Great Streets Program's maintenance and rehabilitation projects is less than half this amount. As a result, Council directed staff to seek innovative ways to stretch the available funds to avoid sliding backward in our effort to restore and preserve San Gabriel's streets.

In an effort to stretch the funding available for street rehabilitation, we recommend a strategy that includes Rubberized Cape Seal or ARAM (Asphalt Rubber and Aggregate Membrane) technology. Both of these methods consist of sealing any large cracks in the street, followed by a thin layer of small rocks coated in rubberized asphalt across the entire road surface, topped with a rubberized asphalt slurry seal. These methods provide a roadway surface with an expected life of at least ten years at a substantially lower cost than traditional rehabilitation methods. Adding this technology to our pavement management "toolbox" will allow us to resurface more street segments with our limited budget. It should be noted that this repair method is appropriate only for streets where the structure of the roadway is still sound. For many of our streets, where cracks have allowed water to penetrate and weaken the underlying subgrade, more expensive patching or reconstruction will be required.

Pothole and Minor Pavement Repairs

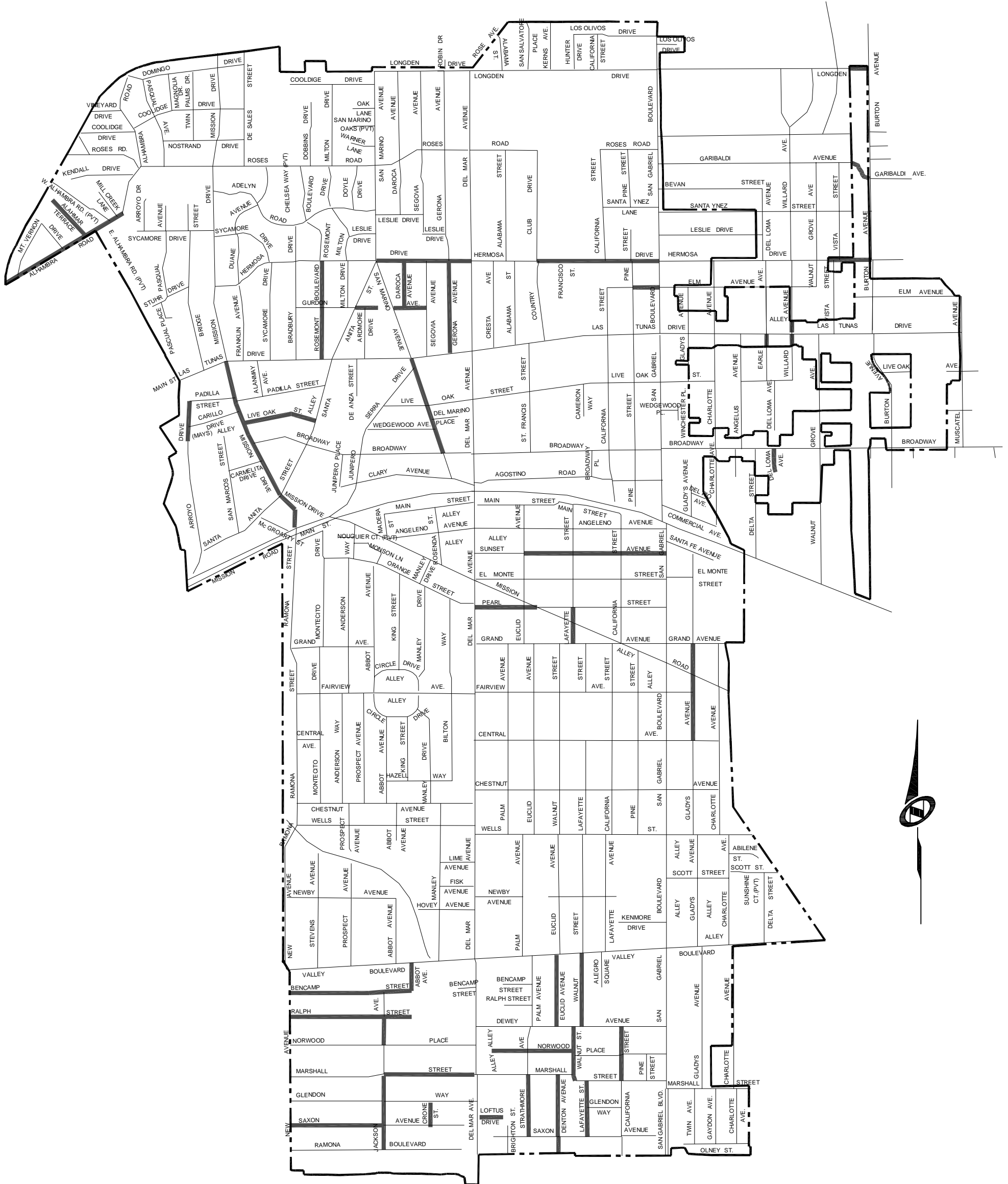
For immediate pothole filling and minor repairs, you can always call our Public Works Department (Patty Pena at 626-308-2825) to request this work for your street.

City of San Gabriel
Local Street Maintenance Project
Cash Contract No. 11-06 - C.I.P. Project No. 1-08-34

| | STREET | FROM | TO |
|----|-----------------------|-----------------------|-------------------------|
| 1 | ABBOT AVE | BENCAMP ST | VALLEY BL |
| 2 | ALAHMAR TR | ALHAMBRA RD | NORTH END |
| 3 | ALHAMBRA RD (4 parts) | ROSES RD | 140' W/O MILL CREEK LN) |
| 4 | ARROYO DR | PADILLA DR | CARILLO DR |
| 5 | ARROYO DR | CARILLO DR | MAYS ALLEY |
| 6 | BENCAMP ST | NEW AVE | JACKSON AVE |
| 7 | BENCAMP ST | JACKSON AVE | ABBOT AVE |
| 8 | CALIFORNIA ST | MARSHALL ST | DEWEY AVE |
| 9 | CRONE ST | GLENDON WY | SAXON AVE |
| 10 | DAROCA AVE | HERMOSA DR | GURDON AVE |
| 11 | DEL LOMA AVE | BROADWAY | SOUTH END |
| 12 | DENTON AVE | SAXON AVE | SOUTH END |
| 13 | DENTON AVE | SAXON AVE | MARSHALL ST |
| 14 | EARLE AVE | 115 S/LAS TUNAS DR | LAS TUNAS DR |
| 15 | ELM AVE | SAN GABRIEL BL | PINE ST |
| 16 | EUCLID AVE | VALLEY BL | DEWEY AVE |
| 17 | GARIBALDI AVE | BURTON AVE | 160 E/VISTA ST |
| 18 | GERONA AVE | 150' N/O LAS TUNAS DR | LAS TUNAS DR |
| 19 | GERONA AVE | HERMOSA DR | 150' N/O LAST TUNAS DR |
| 20 | GLADYS AVE | GRAND AVE | MISSION DR |
| 21 | GLADYS AVE | CENTRAL AVE | MISSION DR |
| 22 | GURDON AVE | SAN MARINO AVE | SEGOVIA AVE |
| 23 | GURDON AVE | EAST END | SANTA ANITA ST |
| 24 | HERMOSA DR | DEL MAR AVE | DAROCA AVE |
| 25 | HERMOSA DR | SAN GABRIEL BL | COUNTRY CLUB DR |
| 26 | HERMOSA DR | 60 W/ VISTA ST | BURTON AVE |
| 27 | HERMOSA DR | DAROCA AVE | SAN MARINO AVE |
| 28 | JACKSON AVE | RALPH ST | NORWOOD PL |
| 29 | JACKSON AVE | MARSHALL ST | RAMONA BL |
| 30 | LAFAYETTE ST | PEARL ST | MISSION DR |
| 31 | LAFAYETTE ST | GRAND AVE | MISSION DR |
| 32 | LAFAYETTE ST | MARSHALL ST | SAXON ST |
| 33 | LIVE OAK ST | SANTA ANITA ST | MISSION DR |
| 34 | LOFTUS DR | DEL MAR AVE | EAST END |
| 35 | LONGDEN DR | 140 E/ VISTA ST | BURTON AVE |
| 36 | MARSHALL ST | JACKSON AVE | DEL MAR AVE |
| 37 | MISSION DR | BROADWAY | LAS TUNAS DR |
| 38 | MISSION DR | JUNIPERO SERRA DR | SANTA ANITA ST |
| 39 | MISSION DR | SANTA ANITA ST | BROADWAY |
| 40 | NORWOOD PL | WALNUT ST | WEST END |
| 41 | PEARL ST | MISSION RD | DEL MAR AVE |
| 42 | RALPH ST | ABBOT AVE | NEW AVE |
| 43 | ROSEMONT BL | GURDON AVE | HERMOSA DR |
| 44 | ROSEMONT BL | LAS TUNAS DR | GURDON AVE |
| 45 | SAN MARINO AVE | LAS TUNAS DR | BROADWAY |
| 46 | SAXON AVE | 10 FWY OFFRAMP | NEW AVE |
| 47 | SAXON AVE | JACKSON AVE | 10 FWY OFFRAMP |
| 48 | STRATHMORE AVE | MARSHALL ST | SAXON AVE |
| 49 | SUNSET AVE | SAN GABRIEL BL | CALIFORNIA ST |
| 50 | SUNSET AVE | CALIFORNIA ST | EUCLID AVE |
| 51 | WALNUT ST | DEWEY AVE | VALLEY BL |
| 52 | WALNUT ST | DEWEY AVE | MARSHALL ST |
| 53 | WILLARD AVE | LAS TUNAS DR | 136 N/LAS TUNAS DR |
| 54 | WILLARD AVE | LAS TUNAS DR | 100 S/LAS TUNAS DR |



City of San Gabriel Local Street Maintenance Project Cash Contract No. 11-06 - C.I.P. Project No. 1-08-34



City of San Gabriel
 Annual Street Rehabilitation Project
 CASH CONTRACT No. 11-07 CIP 1-08-35

BASE BID

TABLE OF STREETS

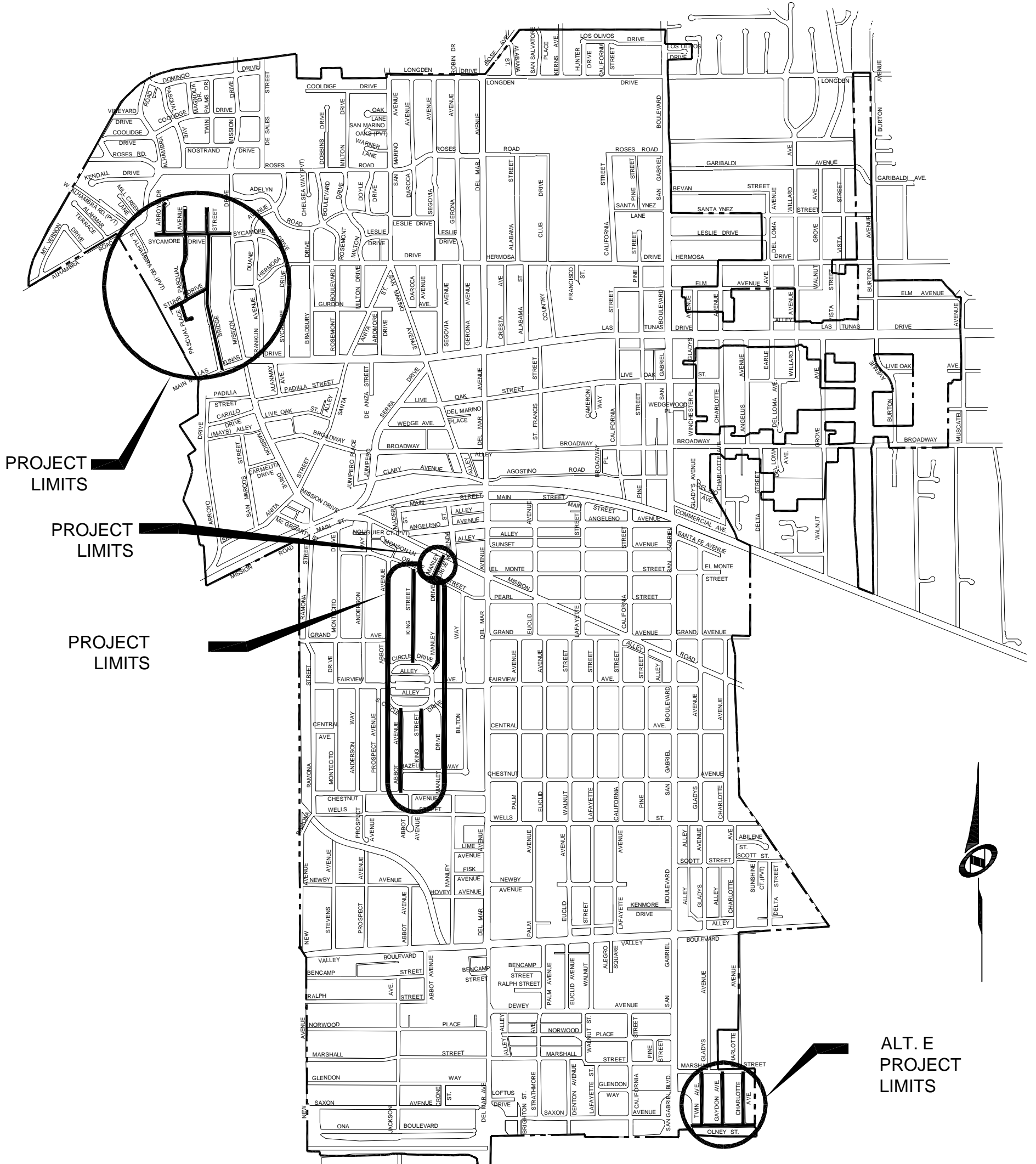
| No. | Street Name | From | To | Recommended Treatment |
|-----|-------------|--------------|--------------|-----------------------|
| 1 | MANLEY DR | ORANGE ST | MISSION DR | Reconstruction |
| 2 | ABBOT AVE | S. CIRCLE DR | CHESTNUT AVE | ARAM |
| 3 | ARROYO DR | SYCAMORE DR | NORTH END | ARAM |
| 4 | BRIDGE ST | SYCAMORE DR | NORTH END | ARAM |
| 5 | BRIDGE ST | LAS TUNAS DR | SYCAMORE DR | ARAM |
| 6 | KING ST | N. CIRCLE DR | ORANGE ST | ARAM |
| 7 | KING ST | HAZELL WY | S. CIRCLE DR | ARAM |
| 8 | MANLEY DR | ORANGE ST | N. CIRCLE DR | ARAM |
| 9 | PASQUAL AVE | SYCAMORE DR | NORTH END | ARAM |
| 10 | PASQUAL AVE | STUHR DR | SYCAMORE DR | ARAM |
| 11 | PASQUAL PL | SOUTH END | STUHR DR | ARAM |
| 12 | STUHR DR | BRIDGE ST | WEST END | ARAM |
| 13 | SYCAMORE DR | MISSION DR | WEST END | ARAM |

ALTERNATE BID E

| No. | Street Name | From | To | Recommended Treatment |
|-----|---------------|-------------|-------------|-----------------------|
| 30 | CHARLOTTE AVE | MARSHALL ST | OLNEY ST | ARAM |
| 31 | GAYDON AVE | OLNEY AVE | MARSHALL ST | ARAM |
| 32 | OLNEY AVE | WEST END | CITY LIMIT | ARAM |
| 33 | TWIN AVE | MARSHALL ST | OLNEY AVE | ARAM |



CITY OF SAN GABRIEL ANNUAL STREET REHABILITATION PROJECT CASH CONTRACT NO. 11-07 C.I.P. PROJECT NO. 1-08-35



ALT. E
PROJECT
LIMITS