

**Council Meeting: February 28, 2012****SUBJECT: Award of Bid No. F1112-37 for Pavement Slurry Seal - 2012****BACKGROUND**

Approval is requested to award a construction contract in the amount of \$313,873 (Base Bid plus Additive Alternate) to Graham Contractors, Inc. of San Jose for the Pavement Slurry Seal – 2012 Project. Approval is also requested for a 10% construction contingency in the amount of \$31,387.

**DISCUSSION**

The annual Slurry Seal Project provides for the resurfacing of a portion of the City's streets each year. Slurry seal involves the application of a mixture of oil, water and selected petrochemical additives to the surface of a street to provide a wearing surface and to seal the underlying roadway materials. It is economical, easy to apply and has the lowest life cycle cost for the benefits received in extending the life of a roadway.

The FY 2011/2012 project includes 2,933,392 square feet of slurry seal, structured as a Base Bid of approximately 1,634,527 square feet and an Additive Alternate of approximately 1,298,865 square feet, to be awarded if the City received favorable bid pricing. The Base Bid portion of the project will provide for the slurry sealing of 43 City streets and three (3) parking lots; the Additive Alternate consists of 39 City streets and two (2) parking lots. The various locations proposed are listed in Attachment C.

The project was bid as follows:

Bid Notice:           Advertised in The Sun on January 6, 2012;  
19 bay area Builder's Exchanges;  
Onvia Demandstar public procurement network; and  
Published on the City's website.

Bid Response:       10 contractors requested bid documents.

Bid Results:           Sealed bids publicly opened on January 25, 2012;  
Five (5) responsive bids received.

The lowest responsive and responsible bid was from Graham Contractors, Inc., of San Jose with a base bid in the amount of \$174,894, which is approximately 16 % above the engineer's estimate of \$150,377. The Bid Summary is attached. In addition, Graham Contractors bid \$138,979 on the Additive Alternate.

Staff recommends accepting the Base Bid and Additive Alternate from Graham Contractors, Inc., the lowest responsive and responsible bidder. Staff also recommends the award of a 10% construction contingency for this project.

This project is categorically exempt under CEQA Article 19 Section 15301 Class 1.c

**FISCAL IMPACT**

Project costs are as follows:

Construction (Base Bid)	\$174,894
Construction (Additive Alternate)	\$138,979
Construction contingency (10%)	<u>\$31,387</u>
Total cost	\$345,260

The total project cost utilizes all available FY 2011/2012 funding in Capital Project 828030 (Annual Slurry Seal of City Streets), a portion of Capital Project 820130 (Routine Resurfacing of City Owned Parking Lots) for the parking lots included in the project, and a portion of Capital Project 829230 (Infrastructure Investment). All of these projects are funded by the General Fund.

**PUBLIC CONTACT**

Public contact was made by posting the Council agenda on the City's official-notice bulletin board outside City Hall, at the Sunnyvale Senior Center, Community Center and Department of Public Safety; and by making the agenda and report available at the Sunnyvale Public Library, the Office of the City Clerk and on the City's Web site.

**RECOMMENDATION**

It is recommended that Council:

1. Award a contract, in substantially the same format as the attached draft and in the amount of \$313,873 (Base Bid plus Additive Alternate), to Graham Contractors, Inc., for the subject project, and authorize the City Manager to execute the contract when all necessary conditions have been Met; and
  
2. Approve a 10% construction contingency in the amount of \$31,387.

Reviewed by:

Grace K. Leung, Director of Finance  
Prepared by: Pete Gonda, Purchasing Officer

Reviewed by:

Kent Steffens  
Director of Public Works

Approved by:

Gary M. Luebbers  
City Manager

**Attachments**

- A. Bid Summary
- B. Draft General Construction Contract
- C. List of Locations



**ATTACHMENT B  
DRAFT**

**GENERAL CONSTRUCTION CONTRACT**

THIS CONTRACT dated \_\_\_\_\_ is by and between the CITY OF SUNNYVALE, a municipal corporation of the State of California ("Owner") and GRAHAM CONTRACTORS, INC., a California corporation ("Contractor").

RECITALS:

The parties to this Contract have mutually covenanted and agreed, as follows:

1. **The Contract Documents.** The complete Contract consists of the following documents: Notice Inviting Bids; Instructions to Bidders; Performance Bond and Payment Bond; Guaranty; City of Sunnyvale Standard Specifications for Public Works Construction, 2006 Edition; City of Sunnyvale Standard Details for Public Works Construction, 2006 Edition; Plans and Specifications, "Pavement Slurry Seal - 2012, Project No. ST-12/02-12, Invitation for Bids No. F1112-37", including OSHA, and other standards and codes as outlined in the Specifications. These documents are all incorporated by reference. The documents comprising the complete contract are collectively referred to as the Contract Documents.

Any and all obligations of the Owner and the Contractor are fully set forth and described therein.

All of the above documents are intended to work together so that any work called for in one and not mentioned in the other or vice versa is to be executed the same as if mentioned in all documents.

2. **The Work.** Contractor agrees to furnish all tools, equipment, apparatus, facilities, labor, transportation, and material necessary to perform and complete the project in a good and workmanlike manner. The work consist(s) of furnishing all labor, materials, equipment, tools and services necessary to apply slurry seal on various street surfaces and parking lots as called for, and in the manner designated in, and in strict conformity with, the Plans and Specifications prepared by the City and adopted by the Owner. These Plans and Specifications are entitled respectively, Pavement Slurry Seal - 2012, Project No. ST-12/02-12.

It is understood and agreed that the work will be performed and completed as required in the Plans and Specifications under the sole direction and control of the Contractor, and subject to inspection and approval of the Owner, or its representatives. The Owner hereby designates as its representative for the purpose of this contract the Senior Civil Engineer for Construction or an employee of the Owner who will be designated in writing by the Director of Public Works.

**3. Contract Price.** The Owner agrees to pay and the Contractor agrees to accept, in full payment for the work above agreed to be done, an amount not to exceed Three Hundred Thirteen Thousand Eight Hundred Seventy Two and 95/100 Dollars (\$313,872.95) in the manner provided in the Contract Documents, and subject to final determination of the work, including additions and deductions in accordance with Contract Documents. The sum includes base bid and accepted Additive Alternate No. AA1. All other Additive Alternate(s) are rejected by Owner, and are not included in this contract.

**4. Permits; Compliance with Law.** Contractor shall, at its expense, obtain all necessary permits and licenses, easements, etc., for the construction of the project, give all necessary notices, pay all fees required by law, and comply with all laws, ordinances, rules and regulations relating to the work and to the preservation of the public health and safety.

**5. Inspection by Owner.** Contractor shall at all times maintain proper facilities and provide safe access for inspection by the Owner to all parts of the work, and to the shops wherein the work is in preparation. Where the Specifications require work to be specially tested or approved, it shall not be tested or covered up without timely notice to the Owner of its readiness for inspection and without the approval thereof or consent thereto by the latter. Should any such work be covered up without such notice, approval, or consent, it must, if required by Owner, be uncovered for examination at the Contractor's expense.

**6. Extra or Additional Work and Changes.** Should Owner at any time during the progress of the work request any alterations, deviations, additions or omissions from the Specifications or Plans or other Contract Documents it shall be at liberty to do so, and the same shall in no way affect or make void the contract, but will be added to or deducted from the amount of the contract price, as the case may be, by a fair and reasonable valuation, agreed to in writing between the parties hereto. No extra work shall be performed or change be made unless in pursuance of a written order from the Director of Public Works or authorized representative, stating that the extra work or change is authorized and no claim for an addition to the contract sum shall be valid unless so ordered.

**7. Time for Completion.** All work under this contract shall be completed before the expiration of June 30, 2012 as specified in the Notice to Proceed.

If Contractor shall be delayed in the work by the acts or neglect of Owner, or its employees or those under it by contract or otherwise, or by changes ordered in the work, or by strikes, lockouts by others, fire, unusual delay in transportation, unavoidable casualties or any causes beyond the Contractor's control, or by delay authorized by the Owner, or by any cause which the Owner shall decide to justify the delay, then the time of completion shall be extended for such reasonable time as the Owner may decide.

This provision does not exclude the recovery of damages for delay by either party under other provisions.

**8. Inspection and Testing of Materials.** Contractor shall notify Owner a sufficient time in advance of the manufacture or production of materials, to be supplied under this contract, in order that the Owner may arrange for mill or factory inspection and testing of same, if Owner requests such notice from Contractor.

**9. Termination for Breach, etc.** If Contractor should file a bankruptcy petition and/or be judged bankrupt, or if Contractor should make a general assignment for the benefit of creditors, or if a receiver should be appointed on account of insolvency, or if Contractor or any subcontractors should violate any of the provisions of the Contract, Owner may serve written notice upon Contractor and its surety of Owner's intention to terminate the Contract. The notice shall contain the reasons for such intention to terminate the Contract, and, unless within ten days after serving such notice, such violation shall cease and satisfactory arrangements for correction thereof be made, upon the expiration of the ten days, the Contract shall cease and terminate. In the event of any such termination, Owner shall immediately serve written notice thereof upon the surety and the Contractor, and the surety shall have the right to take over and perform the Contract; provided, however that, if the surety within fifteen days after the serving upon it of notice of termination does not give Owner written notice of its intention to take over and perform the Contract or does not commence performance thereof within thirty days from the date of the serving of such notice, Owner may take over the work and prosecute the same to completion by contract or by any other method it may deem advisable, for the account and at the expense of Contractor, and Contractor and its surety shall be liable to Owner for any excess cost occasioned Owner thereby, and in such event Owner may without liability for so doing take possession of and utilize in completing the work, such materials, appliances, plant and other property belonging to Contractor as may be on the site of the work and necessary therefor.

**10. Owner's Right to Withhold Certain Amounts and Make Application Thereof.** In addition to the amount which Owner may retain under Paragraph 21 until the final completion and acceptance of all work covered by the Contract, Owner may withhold from payment to Contractor such amount or amounts as in its judgment may be necessary to pay just claims against Contractor or any subcontractors for labor and services rendered and materials furnished in and about the work. Owner may apply such withheld amount or amounts to the payment of such claims in its discretion. In so doing Owner shall be deemed the agent of Contractor and any payment so made by Owner shall be considered as a payment made under the Contract by Owner to the Contractor and Owner shall not be liable to Contractor for any such payment made in good faith. Such payment may be made without prior judicial determination of the claim or claims.

**11. Notice and Service Thereof.** All notices required pursuant to this Contract shall be communicated in writing, and shall be delivered in person, by commercial courier or by first class or priority mail delivered by the United States Postal Service. Transmission of notice by facsimile or by telephone may be deemed sufficient if the requirement for written notice is waived, in writing, by the receiving party. Notices delivered in person shall be deemed communicated as of actual receipt. Notices sent

by mail or courier service shall be deemed communicated as of three days after mailing or dispatch, unless that date is a date on which there is no mail or delivery service, in which case communication shall be deemed to occur the next mail service or delivery day. The burden of proof of compliance with this requirement for written notice shall be on the sending party. All notices sent pursuant to this Contract shall be addressed as follows:

Owner: City of Sunnyvale  
Department of Public Works  
Construction Contract Administrator  
P. O. Box 3707  
Sunnyvale, CA 94088-3707

Contractor: Graham Contractors, Inc.  
Attn: David Graham  
860 Lonus Street  
San Jose, CA 95126

**12. Assignment of Contract.** Neither the Contract, nor any part thereof, nor moneys due or to become due thereunder may be assigned by Contractor without the prior written approval of Owner.

**13. Compliance with Specifications of Materials.** Whenever in the Specifications, any material or process is indicated or specified by patent or proprietary name, or by name of manufacturer, such Specifications must be met by Contractor, unless Owner agrees in writing to some other material, process or article offered by Contractor which is equal in all respects to the one specified.

**14. Contract Security.** Contractor shall furnish a surety bond in an amount at least equal to 100 percent of the contract price as security for the faithful performance of this Contract. Contractor shall also furnish a separate surety bond in an amount at least equal to 100 percent of the contract price as security for the payment of all persons for furnishing materials, provisions, provender, or other supplies, or teams, used in, upon, for or about the performance of the work contracted to be done, or for performing any work or labor thereon of any kind, and for the payment of amounts due under the Unemployment Insurance Code with respect to such work or labor in connection with this Contract, and for the payment of a reasonable attorney's fee to be fixed by the court in case suit is brought upon the bond. Bonds shall be issued by an admitted surety insurer authorized to operate in the state of California.

**15. Insurance.** Contractor shall not commence work under this Contract until all insurance required under this paragraph has been obtained and such insurance has been approved by the Owner, nor shall Contractor allow any subcontractor to commence work on a subcontract until all similar insurance required of the subcontractor has been so obtained and approved. Contractor shall furnish the Owner with satisfactory proof of the carriage of insurance required, and there shall be a specific contractual liability endorsement extending the Contractor's coverage to include the contractual liability assumed by the Contractor pursuant to this Contract and particularly

Paragraph 16 hereof. Any policy of insurance required of the Contractor under this Contract shall also contain an endorsement providing that thirty (30) days' notice must be given in writing to the Owner of any pending change in the limits of liability or of any cancellation or modification of the policy. Insurance carrier shall be California-admitted.

(a) Compensation Insurance and Employer's Liability Insurance. Contractor shall take out and maintain during the life of this Contract Workers' Compensation Insurance and Employer's Liability Insurance for all of employees employed at the site of the project and, in case any work is sublet, Contractor shall require the subcontractor similarly to provide Workers' Compensation Insurance and Employer's Liability Insurance for all of the latter's employees unless such employees are covered by the protection afforded by Contractor.

In signing this Contract, Contractor makes the following certification, required by Section 1861 of the Labor Code:

"I am aware of the provision of Section 3700 of the Labor Code which requires every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this contract."

(b) General and Automobile Liability Insurance. Contractor, at its own cost and expense, shall maintain personal injury liability and property damage insurance for the period covered by the Contract in the amount of Five Million Dollars (\$5,000,000.00) per occurrence and \$10,000,000 annual aggregate combined single limit coverage. Such coverage shall include, but shall not be limited to, protection against claims arising therefrom, and damage to property resulting from activities contemplated under this Contract, use of owned automobiles, products and completed operations, including U, C and X. Such insurance shall be with insurers and under forms of policies satisfactory in all respects to the Owner and shall provide that notice must be given to Owner at least thirty (30) days prior to cancellation or material change. The following endorsements shall be attached to the policy:

Policy shall cover on an "occurrence" basis. Policy must cover personal injuries as well as bodily injuries. Exclusion of contractual liability must be eliminated from personal injury endorsement. Broad form property damage endorsement must be attached. Owner is to be named as an additional insured on any contracts of insurance under this paragraph (b). Coverage shall not extend to any indemnity coverage for the active negligence of the additional insured in any case where an agreement to indemnify the additional insured would be invalid under Subdivision (b) of Section 2782 of the Civil Code. The policies of insurance shall be considered primary insurance before any policies of insurance maintained by Owner.

**16. Hold Harmless.** Contractor agrees to defend, save, indemnify and hold harmless Owner and all its officers, employees, and agents, against any and all liability, claims, judgments, or demands, including demands arising from injuries or death of persons (Contractor's employees included) and damage to property, arising directly or indirectly out of the obligations herein undertaken or out of the operations conducted by Contractor, save and except claims or litigation arising through the active negligence or willful misconduct of Owner, or of Owner's officials, agents, employees, servants, or independent contractors who are directly responsible to Owner. Contractor shall make good and reimburse Owner for any expenditures, including reasonable attorneys' fees, Owner may make by reason of such claim or litigation, and, if requested by Owner, Contractor shall defend any such suits at the sole cost and expense of Contractor.

**17. Hours of Work.** Eight hours of labor during any one calendar day and forty hours of labor during any one calendar week shall constitute the maximum hours of service upon all work done hereunder, and it is expressly stipulated that no laborer, worker, or mechanic employed at any time by the Contractor or by any subcontractor or subcontractors under this Contract, upon the work or upon any part of the work contemplated by this Contract, shall be required or permitted to work thereon more than eight hours during any one calendar day and forty hours during any one calendar week, except, as provided by Section 1815 of the Labor Code of the State of California, work performed by employees of contractors in excess of eight hours per day and forty hours during any one week shall be permitted upon public work upon compensation for all hours worked in excess of eight hours per day at not less than one and one-half times the basic rate of pay. It is further expressly stipulated that for each and every violation of Sections 1811-1815, inclusive, of the Labor Code of the State of California, all the provisions whereof are deemed to be incorporated herein, Contractor shall forfeit, as a penalty to Owner, fifty dollars (\$50.00) for each laborer, worker, or mechanic employed in the execution of this Contract by Contractor, or by any subcontractor under this Contract, for each calendar day during which the laborer, worker, or mechanic is required or permitted to work more than eight hours in any one calendar day and forty hours in any one calendar week in violation of the provisions of the Sections of the Labor Code.

Contractor, and each subcontractor, shall, in accordance with California Labor Code Section 1776 or as the same may be later amended, keep accurate payroll records showing the name, address, social security number, work classification, straight time and overtime hours worked each day and week, and the actual per diem wages paid to each journeyman, apprentice, worker, or other employee employed by him or her in connection with work under this agreement. Each payroll record shall contain or be verified by a written declaration under penalty of perjury, in accordance with Labor Code Section 1776(a). Such payroll records shall be made available at all reasonable times at the Contractor's principal office to the persons authorized to inspect such records pursuant to Labor Code Section 1776. A certified copy of all payroll records shall be made available for inspection or furnished upon request to a representative of the Division of Labor Standards Enforcement, and the Division of Apprenticeship Standards of the Department

of Industrial Relations, as well as to the Owner's representative. In the event the Contractor or a Subcontractor fails to comply in a timely manner within ten days to a written notice requesting the records, such contractor or subcontractor shall forfeit twenty-five dollars (\$25.00) for each calendar day, or portion thereof, for each worker, until strict compliance is effectuated, in accordance with Labor Code Section 1776(g).

**18. Wage Rates.** Pursuant to the Labor Code of the State of California, or any applicable local law, Owner has ascertained the general prevailing rate per diem wages and rates for holidays, and overtime work in the city, for each craft, classification or type of laborer, worker, or mechanic needed to execute this Contract. Owner has adopted, by reference, the general prevailing rate of wages applicable to the work to be done under the Contract, as adopted and published by the Division of Labor Standards Enforcement and Labor Statistics and Research of the State of California, Department of Industrial Relations, to which reference is hereby made for a full and detailed description. A copy of the prevailing wage rates may be reviewed in the office of the Director of Public Works, City of Sunnyvale, 456 West Olive Avenue, Sunnyvale, California. Wage rates can also be obtained through the City's Website at <http://sunnyvale.ca.gov/Departments/Finance/Purchasing/prevailingwage.htm>. Neither the notice inviting bids nor this Contract shall constitute a representation of fact as to the prevailing wage rates upon which the Contractor or any subcontractor may base any claim against Owner.

It shall be mandatory upon Contractor and upon any subcontractor to pay not less than the specified rates to all laborers, workers, and mechanics employed in the execution of the Contract. It is further expressly stipulated that Contractor shall, as a penalty to Owner, forfeit fifty dollars (\$50.00) for each calendar day, or portion thereof, for each laborer, worker, or mechanic paid less than the stipulated prevailing rates for any work done under this Contract by Contractor or by any subcontractor; and Contractor agrees to comply with all provisions of Section 1775 of the Labor Code.

In case it becomes necessary for Contractor or any subcontractor to employ on the project under this Contract any person in a trade or occupation (except executives, supervisory, administrative, clerical, or other non-manual workers as such) for which no minimum wage rate is herein specified, Contractor shall immediately notify Owner who will promptly thereafter determine the prevailing rate for such additional trade or occupation and shall furnish Contractor with the minimum rate based thereon. The minimum rate thus furnished shall be applicable as a minimum for such trade or occupation from the time of the initial employment of the person affected and during the continuance of such employment.

**19. Accident Prevention.** Precaution shall be exercised at all times for the protection of persons (including employees) and property. The safety provisions of applicable laws, building and construction codes shall be observed. Machinery, equipment, and other hazards shall be guarded or eliminated in accordance with the safety provisions of the Construction Safety Orders issued by the Industrial Accident Commission of the State of California.

**20. Contractor's Guarantee.** Owner shall not, in any way or manner, be answerable or suffer loss, damage, expense or liability for any loss or damage that may happen to the building, work, or equipment or any part thereof, or in, on, or about the same during its construction and before acceptance. Contractor unqualifiedly guarantees the first-class quality of all workmanship and of all materials, apparatus, and equipment used or installed by Contractor or by any subcontractor or supplier in the project which is the subject of this Contract, unless a lesser quality is expressly authorized in the Plans and Specifications, in which event Contractor unqualifiedly guarantees such lesser quality; and that the work as performed by Contractor will conform with the Plans and Specifications or any written authorized deviations therefrom. In case of any defect in work, materials, apparatus or equipment, whether latent or patent, revealed to Owner within one year of the date of acceptance of completion of this Contract by Owner, Contractor will forthwith remedy such defect or defects without cost to Owner.

**21. Liquidated Damages.** Time shall be the essence of this Contract. If Contractor fails to complete, within the time fixed for such completion, the entire work mentioned and described and contracted to be done and performed, Contractor shall become liable to Owner for liquidated damages in the sum of Two Hundred Fifty and No/100 (\$250.00) for each and every calendar day during which work shall remain uncompleted beyond such time fixed for completion or any lawful extension thereof. The amount specified as liquidated damages is presumed to be the amount of damage sustained by Owner since it would be impracticable or extremely difficult to fix the actual damage; and the amount of liquidated damages may be deducted by Owner from moneys due Contractor hereunder, or its assigns and successors at the time of completion, and Contractor, or its assigns and successors at the time of completion, and its sureties shall be liable to Owner for any excess.

**22. Additional Provisions.**

None.

IN WITNESS WHEREOF, two identical counterparts of this contract, each of which shall for all purposes be deemed an original thereof, have been duly executed by the parties.

CITY OF SUNNYVALE  
a Municipal Corporation, Owner

Graham Contractors, Inc.  
Contractor

License No. 315789

By \_\_\_\_\_ / /  
City Manager

By \_\_\_\_\_  
\_\_\_\_\_/ /  
Title Date

Attest:  
City Clerk

By \_\_\_\_\_  
\_\_\_\_\_/ /  
Title Date

By \_\_\_\_\_ / /  
City Clerk Date

(SEAL)

APPROVED AS TO FORM:

\_\_\_\_\_/ /  
City Attorney Date

(Notice: The signatures of the Contractor's officers on this contract must be acknowledged before a notary.)

ACKNOWLEDGMENT

State of California )  
County of )

On \_\_\_\_\_ before me, \_\_\_\_\_  
personally appeared \_\_\_\_\_

\_\_\_\_\_

personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature \_\_\_\_\_

(SEAL)

**EXHIBIT "A"**

**SCHEDULE OF UNIT PRICES**

<u>Item No.</u>	<u>Item Description</u> <u>Total Price</u>	<u>Unit of Measure</u>	<u>Estimated Quantity</u>	<u>Unit Price</u>
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**BASE BID**

1.	Install Slurry Seal (Type II) Per Specifications	S.F.	1,634,527	\$0.107
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(price in words)

**ADDITIVE ALTERNATE**

A.	Install Slurry Seal (Type II) Per Specification. (This price shall not exceed 1.09 times the quoted price In item 1)	S.F.	1,298,865	\$0.107
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(price in words)

## ATTACHMENT C

### Slurry Seal 2012 Base Bid

TOTAL SQ FT

**1,634,527**

Street Name	From	To	Lgth	Wide	Ret	#	Bub	return/	Sq Ft
								extra	
ELKO	Lawrence Sta Rd ctr	Anvilwood ctr	589	60.6	0	0	0	0.0	35,693
ELKO	Anvilwood ctr	Hammerwood ctr	976	40.2	0	0	0	2,255.3	41,490
ELKO	Hammerwood ctr	East end	1,040	40.3	0	0	0	0.0	41,912
LAWRENCE ST RD	Elko s/s	South end	376	59.0	2	0.5	328	0.0	23,112
SOCORRO	Havenwood s/s	Wildwood	1,295	30.1	4	0	0	0.0	40,180
DEL REY	Palomar elec 26C38	Pastoria w/s	436	40.0	2	0	0	0.0	18,040
CALIFORNIA ST	East end	Commercial e/s	589	36.4	2	1	656	0.0	22,696
SAN JUSTO CT	San Luisito	West end	235	36.5	1	1	656	0.0	9,534
SAN LUISITO	Carmel s/s	Duane	495	36.0	4	0	0	0.0	19,020
FRANCES	California	Hendy	954	36.2	0	0	0	0.0	34,535
CASSIA	Starbush e/s	Shasta Fir w/s	1,245	36.3	0	0	0	0.0	45,194
LARKSPUR	Mangrove	Pagoda Tree Ct ctr	484	36.1	2	0	0	0.0	18,072
LARKSPUR	Pagoda Tree Ct ctr	Ponderosa	537	36.1	2	0	0	0.0	19,986
PAGODA TREE CT	Larkspur	South end	226	32.0	2	1	910	0.0	8,742
POPLAR	Lupine s/s	Nettle ctr	381	36.2	2	0	0	0.0	14,392
SILVER PINE CT	Cassia	South end	374	32.0	2	1	910	0.0	13,478
THISTLE CT	Redwood	West end	366	32.4	1	1	910	0.0	13,068
TIMBERPINE	Columbine ctr	fence	718	36.0	0	0	0	0.0	25,848
TIMBERPINE	fence	Lily	801	18.0	1	0	0	0.0	14,718
TIMBERPINE CT	Timberpine	South end	217	32.0	2	0.5	455	0.0	7,999
TIMBERPINE CT	Timberpine	South end	280	32.0	1	1	910	0.0	10,170
FOXTAIL	Iris	Golden Oak Ct w/s	378	28.0	2	0	0	0.0	11,184
FOXTAIL	Iris	Golden Oak Ct w/s	190	35.0	0	0	0	0.0	6,650
WASHINGTON	Bayview e/s	East end	542	30.3	1	1	1040	0.0	17,763
CAYMUS CT	Bodega	South end	173	32.2	2	1	910	0.0	7,081
DONA	Blair	Lynn	1,103	36.0	3	0	0	0.0	40,608
HAZLENU T CT	Hudson	South end	384	30.3	1	1	1040	0.0	12,975
MANGO	Lynn s/s	Heatherstone n/s	484	35.4	4	0	0	0.0	18,334
PARKINGTON	Bernardo e/s	Grape	748	30.3	2	0	0	0.0	23,264
BLAIR CT	Blair	South end	122	36.0	2	1	656	0.0	5,648
HILLSBORO	Pippin	Norfolk Pine w/s	584	36.0	2	0.5	328	0.0	21,952

PEAR	Brookline elec 10B63	Elmira n/s	1,133	36.4	2	0	0	0.0	41,841
PINEAPPLE	Hanover	Harvard	227	36.1	4	0	0	0.0	9,395
RENOIR	Chopin	North end	261	31.6	2	1	910	0.0	9,758
EDALE	Pome	East end	284	36.0	2	0	0	0.0	10,824
POME	Ticonderoga ctr	Fremont	100	36.3	2	0	0	0.0	4,230
POME	Ticonderoga ctr	Fremont	419	29.0	0	0	0	0.0	12,151
POME	Ticonderoga ctr	Fremont	398	36.5	0	0	0	0.0	14,527
CLOVERDALE CT	Enderby	South end	254	30.4	1	1	1,040	0.0	9,062
COEUR D'ALENE	Chelan	Samedra	221	30.4	3	0	0	3,795.0	11,413
COEUR D'ALENE	Chelan	Samedra	915	30.3	2	0	0	0.0	28,325
COEUR D'ALENE bubble	Chelan	Samedra	46	37.0	0	1	656	0.0	2,358
ENDERBY	Cascade s/s	Cloverdale Ct ctr	571	30.4	4	0	0	0.0	18,558
ENDERBY	Cascade s/s	Cloverdale Ct ctr	482	30.4	0	0.5	520	0.0	15,173
ENDERBY	Cloverdale Ct ctr	The Dalles	308	30.4	0	0.5	520	0.0	9,883
ENDERBY	Cloverdale Ct ctr	The Dalles	492	30.4	4	0	0	0.0	16,157
THE DALLES	Mary e/s	Lewiston ctr	1,386	36.1	2	0	0	0.0	50,635
OXBOW CT	Fremont	South end	170	36.3	2	1	656	0.0	7,427
BOBOLINK	Bobwhite s/end	Berwick ctr	478	32.3	2	0.5	455	0.0	16,494
BOBOLINK	Bobwhite s/end	Berwick ctr	234	36.5	2	0.0	0	0.0	9,141
BOBOLINK	Berwick ctr	Bobwhite n/end	668	36.5	2	.75	492	0.0	25,474
CANARY	Inverness	Loch Lomand center	841	36.4	2	0	0	0.0	31,212
CANARY	Loch Lomand center	67' s/o Homestead	353	36.4	2	0	0	0.0	13,449
FLOYD	Fremont	Carlisle s/s	1,040	37.3	4	0	0	0.0	39,992
PAULINE	Fremont	Carlisle	1,216	38.3	4	0	0	0.0	47,773
HAMPTON	Eleanor	Elizabeth n/s	715	26.6	4	0	0	0.0	20,219
HAMPTON	Elizabeth s/s	Marion	986	26.6	4	0	0	0.0	27,428
HENDERSON	ECR s/s	Bryant	487	36.0	4	0	0	0.0	18,732
LEIGHTON	Nightingale	Peacock	1,478	30.4	4	0	0	0.0	46,131
REED inside lanes	Evelyn ctr	Timberpine ctr	52	83.0	0	0	0	0.0	4,316
REED inside lanes	Evelyn ctr	Timberpine ctr	1,107	53.0	0	0	0	0.0	58,671
REED outside lanes	Evelyn ctr	Timberpine ctr	1,107	44.0	0	0	0	1,132.8	49,841
REED inside lanes	Timberpine ctr	140' w/o e/end island nose	804	41.3	0	0	0	-306.0	32,899
REED outside lanes	Timberpine ctr	140' w/o e/end island nose	804	56.0	0	0	0	0.0	45,024

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Community Center - Sr Center parking lot & road around it	92,647
Community Center - Theater parking lot	85,961
Community Center - Museum parking lot	54,068

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**Add Alternate**  
**AA1**

**TOTAL SQ FT 1,298,865**

Street Name	From	To	Lgth	Wide	Ret	#	Bub	return/	Sq Ft
								extra	
FAIRWOOD	Sandia s/s	Tucson ctr	760	36.3	2	0	0	0.0	28,188
FAIRWOOD	Tucson ctr	Wildwood	907	36.3	2	0	0	0.0	33,524
EUREKA CT	San Diego	West end	319	29.8	1	1	1040	0.0	10,846
SAN DIEGO	Hemlock ctr of park d/w	Eaglewood	1,669	36.5	1	0	0	0.0	61,219
REDWOOD	Rosa	Tulip n/s	875	36.0	4	0	0	0.0	32,700
ROCKROSE	Poplar	Henderson	988	36.1	4	0	0	0.0	36,867
BELLADONNA CT	Grand Fir	East end	252	36.2	2	1	656	0.0	10,378
BRYAN	Fair Oaks e/s	Britton	933	30.4	3	0	0	0.0	29,263
HAWTHORN	Arbutus 426n/pl	Begonia s/s	856	36.2	0	0	0	0.0	30,987
LIQUIDAMBAR	Ajax s/s	Blue Sage n/s	561	36.3	4	0	0	0.0	21,564
LOIS	Blair	Lynn n/s	1,102	36.0	3	0	0	0.0	40,572
LOIS	Lynn s/s	Heatherstone n/s	516	36.3	4	0	0	0.0	19,931
PEACH	Blair	Hanover	1,758	36.0	2	0	0	0.0	63,888
PEEKSKILL	Prune Ct ctr	Persimmon	706	36.5	2	0	0	0.0	26,370
PILINUT CT	Peekskill	South end	368	32.5	2	1	910	0.0	13,470
PINENUT CT	Peekskill	South end	325	32.1	2	1	910	0.0	11,943
REVERE	Plum	Somerset n/s	1,415	32.0	4	0	0	0.0	46,480
SPINOSA	Remington s/s	Snowberry ctr	784	36.2	2	0	0	0.0	28,981
FRASER	Edmonds	Helena	762	36.2	4	0	0	0.0	28,784
GERBER CT	Fraser	East end	206	30.5	1	1	1,040	0.0	7,623
LAURENTIAN	MacKenzie s/s	Pocatello n/s	1,002	36.5	2	0	0	0.0	37,173
PENDLETON	Wright e/s	Laurentian	1,047	36.4	4	0	0	0.0	39,311
SAMEDRA	Chelan 1462 n/pl	The Dalles n/s	472	30.4	4	0	0	0.0	15,549
THE DALLES	Bernardo	Wright w/s	1,281	36.3	4	0	0	0.0	47,700
CASCADE	Lewiston ctr	Hollenbeck w/s	844	36.2	2	0	0	0.0	31,153
CASCADE bubble	Lewiston ctr	Hollenbeck w/s	96	36.0	1	1	656	0.0	4,412
KYLE CT	Cathedral	South end	403	32.3	2	1	910	0.0	14,527
BOISE CT	Pointe Claire	West end	243	32.2	2	1	910	0.0	9,335
BONANZA CT	Pointe Claire	West end	246	32.2	2	1	910	0.0	9,431
ONTARIO	Kirkland ctr	Homestead	1,155	36.3	2	0	0	0.0	42,527
POINTE CLAIRE	Bend s/s	Cascade n/s	771	32.2	4	0	0	0.0	26,026
DARTSHIRE	Flicker ctr	Wolfe	1,893	36.4	2	0	0	0.0	69,505
DOVE	Cheshire	Dorset n/s	802	32.8	4	0	0	0.0	27,506

HARWICK	S'vale/S'toga	Bittern	386	48.6	2	0	0	0.0	19,360
HARWICK	S'vale/S'toga	Bittern	148	36.4	2	0	0	0.0	5,987
HERON	Inverness s/s	Homestead n/s	1,271	36.3	4	0	0	0.0	47,337
LINNET	Homestead	South end	1,625	30.2	2	0	0	0.0	49,675
ELIZABETH	Wolfe	Norman e/s	1,172	27.7	2	0	0	0.0	33,064
KENT	Waxwing w/s	Wren	332	30.4	2	0.5	520	0.0	11,213
LERWICK CT	Wren	West end	140	30.0	2	1	1,040	0.0	5,840
LOCHINVAR	Swallow ctr	creek w/s	744	36.3	0	0	0	0.0	27,007
NORMAN	Elizabeth s/s	Marion	929	26.1	3	0	0	0.0	25,147
RAMON	Alice s/s	Elizabeth n/s	545	27.8	2	0	0	0.0	15,751
WAXWING	Kent s/s	Lochinvar n/s	431	30.3	4	0	0	0.0	14,259
WREN	Lochinvar	North City Limit	639	28.0	2	0	0	0.0	18,492
Public Safety lot G Back									36,500
Public Safety lot H - front									31,500