

MOORPARK CITY COUNCIL AGENDA REPORT

TO: The Honorable City Council

FROM: Yugal K. Lall, City Engineer / Public Works Director
Prepared by: Ken Gilbert, Public Works Consultant *Spel*

DATE: September 5, 2006 (Council Meeting of 9-20-06)

SUBJECT: Consider Approval of Revised Plans and Specifications and Authorize to Re-Advertise for Bids for the 2006 Pavement Rehabilitation Project

BACKGROUND

One of the elements of the City's pavement maintenance program is the periodic application of a protective slurry seal to the pavement surface of all of the streets in the City. The program objective is to maintain a bi-annual program (construct a project every other year) in which each project addresses approximately one-third of the residential streets in the City. In this way, every residential street in the City should be slurry sealed once every six (6) years.

On June 21, 2006 the City Council approved plans for this project. The project was advertised, bids were received on July 20 and bid results were presented to the City Council on August 2. The low bid for the project was considerably higher than the engineer's estimate. Consistent with staff's recommendation, the City Council rejected all bids and directed staff to re-design the project to reduce costs.

DISCUSSION

A. Project Description: Slurry Seal and Asphalt Rubber Aggregate Membrane [ARAM]

As indicated by the project name, the proposed project will include two types of pavement rehabilitation: a) Type II Slurry for some streets, and b) an ARAM surface for others. The streets included in the 2006 Pavement Rehabilitation Project are shown on the maps (Attachment 1), and listed in the charts (Attachment 2).

B. Project Scope: Detail

1. **Slurry Seal:** The slurry seal portion of the project will include the application of Type II Slurry on all designated streets, installation of crack filler material where required and the re-striping of all affected streets subsequent to the application of slurry seal.
2. **ARAM:** An ARAM pavement surface is a type of a cape seal requiring three steps: A) the application of an asphalt (oil-based) rubber binder which is sprayed onto the existing pavement, followed immediately by B) the spreading of a pre-coated rubber/gravel aggregate which is then "rubber-tired" rolled and embedded into the oil binder, followed one or two days later by C) a Type II Slurry Seal. An ARAM pavement surface is typically used to address pavement demonstrating more signs of distress, at a lower cost than an asphalt overlay or reconstruction.

C. Project Re-design

In order to lower costs the following changes were made to the project plans and requirements:

- The pavement rehabilitation method for a number of streets was changed from ARAM to a less costly Slurry Seal;
- Asphalt Overlay in cul-de-sacs and STOP intersection approaches was eliminated;
- Crack filling on ARAM streets was eliminated; and
- The scope and requirements for Pavement Preparation were reduced.

Also, it should be noted that certain streets previously included in the scope of work were deleted (because it was determined that pavement rehabilitation could be deferred) and certain streets not included in the prior scope of work were added (because it was determined that pavement rehabilitation was required at this time).

D. Fiscal Impact

1. **Cost Estimate:** A preliminary estimate of project costs is as follows:

<u>Element</u>	<u>Amount (\$)</u>
Design	14,000
Construction	2,000,000
Constr Contingency (10%)	200,000
Inspection **	90,000
Total	2,304,000

** Note: Inspection services are to be provided by consultant services augmented by in-house inspection efforts.

2. **Budget:** The FY 2005/06 Budget currently provides funds for this project [Project 8002] in the amount of \$320,000, from the TDA Article 8 Fund [Fund 2603] (Local Transportation Fund [LTF]). It is recommended that the Budget amendment required to fully fund this project be deferred until the award of contract.
3. **Anticipated Budget Amendment:** It is anticipated that the budget amendment required to fully fund the project will request additional funding, generally in the following amounts:

Description	Current FY 06/07 Budget (\$)	Anticipated Possible Change (\$)	Anticipated Possible Revised FY 06/07 Budget (\$)
Design	252	0	252
Construction	1,285,000	915,000	2,200,000
Inspection	70,000	20,000	90,000
	1,355,252	935,000	2,290,252
Plus prior year design costs	13,910		13,910
	1,369,162	935,000	2,304,162

The funding source for this project is Fund 2603: TDA Article 8 (Local Transportation Fund [LTF]). There are sufficient unappropriated reserves in that Fund to cover the additional appropriation noted above.

E. Plans and Specifications

A copy of the Plans and Specifications for the subject project has been placed on top of the file cabinets in the City Council Conference Room.

F. Project Inspection

As mentioned above, it is the intent of staff to utilize consultant services, augmented by in-house inspection efforts, to provide the required project oversight. In past years we have found that one inspector at the stockpile site and one inspector in the field, is the best way to assure a quality job with adequate cost control.

G. Project Approval -- Design Immunity

It is recommended that the City Council approve the project plans and specifications in order to document City Council approval of the scope and design of the project. Such approval is also required for the purpose of establishing

design immunity pursuant to Section 830.6 of the Government Code of the State of California.

H. Schedule

It is anticipated that bids for the subject project will be opened in October 2006 and presented to the City Council for award of construction contract in November. Construction should start in December or January. Efforts will be made to avoid pavement rehab efforts near schools during high traffic periods.

STAFF RECOMMENDATION

Approve the plans and specifications for the 2006 Pavement Rehab Project and authorize staff to advertise for the solicitation of construction bids for the project.

Attachments:

- 1 - Pavement Rehab Location Map
- 2 - List of Streets

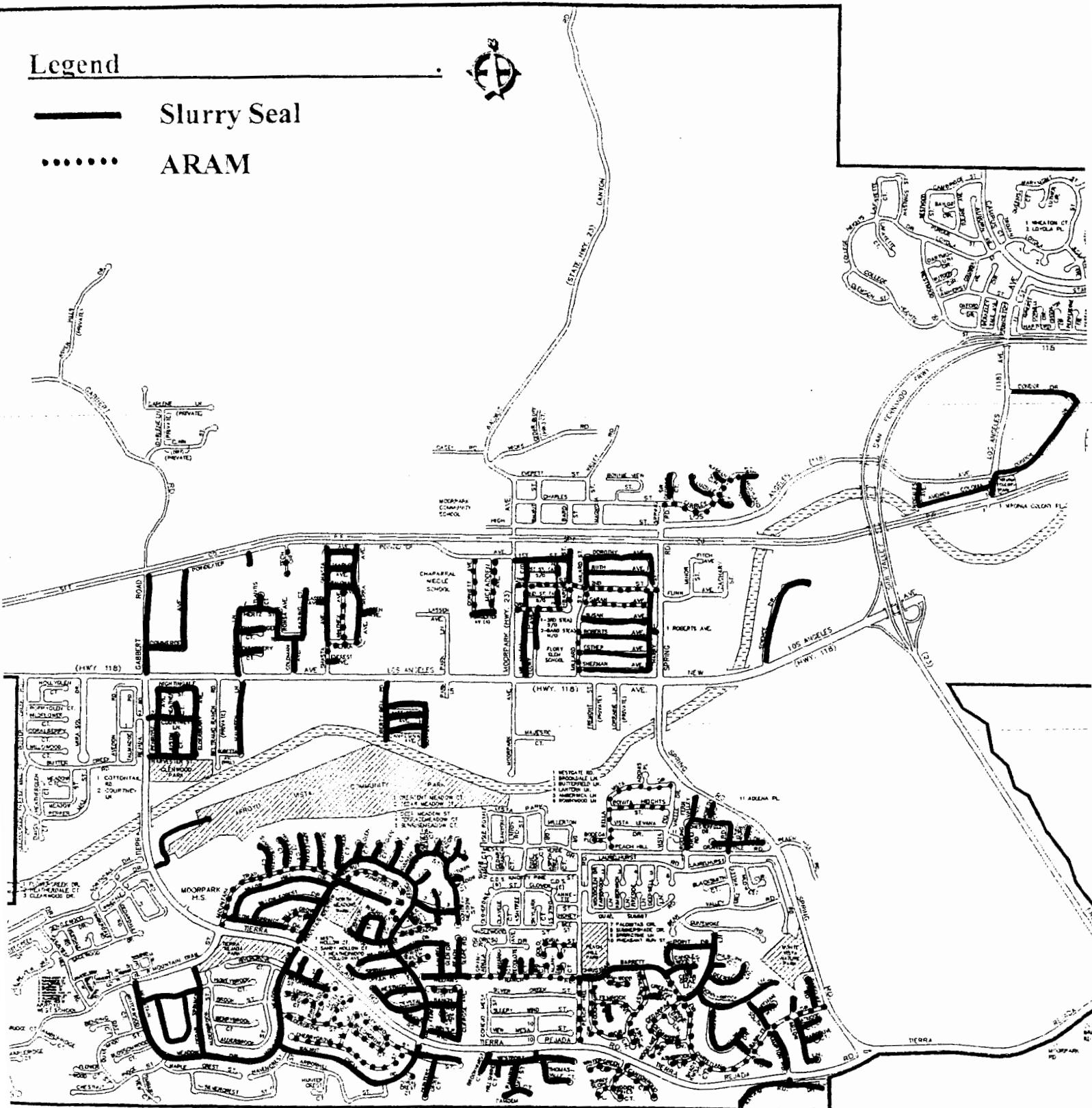
2007 Pavement Rehabilitation Project

Legend



— Slurry Seal

..... ARAM



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0607 Pavement Rehabilitation Project

Attachment 2

List of Streets		Pavement Quantities										Striping Quantities (Reference Only)								
		Method		Dimension:		SF		ELT (Typ 2 Str)		SY (ARM)		Stop / Bar		Bike Lane		Center Line		Crosswalk		Automows
Adena Place	From Vista Del Valle	To End (E)	From 18	To F	From 1	To 1	From 274	To 30	From 8,220	To ---	From 6.3	To ---	From 0	To 0	From 0	To 0	From 0	To 0	From 0	To 0
Adonis Pl.	Bella Vista Dr.	End (N)	From 18	To F	From 1	To 1	From 274	To 30	From 8,220	To ---	From 913	To 0	From 0	To 0	From 0	To 0	From 0	To 0	From 0	To 0
Alandia Ct	Wm Ranch Rd	End (N)	From 15	To F	From 1	To 1	From 200	To 33	From 6,600	To ---	From 733	To 0	From 0	To 0	From 0	To 0	From 0	To 0	From 0	To 0
Alderglen Street	Walnut Creek Rd.	End (W)	From 14	To M	From 1	To 1	From 660	To 33	From 21,780	To ---	From 16.8	To ---	From 1	To 0	From 0	To 0	From 0	To 0	From 0	To 0
Aldergrove St.	Mtn. Meadows Dr.	Heatherwood Hollow	From 13	To T	From 1	To 1	From 635	To 28	From 17,780	To ---	From 4.976	To 4	From 0	To 0	From 80	To 0	From 0	To 0	From 0	To 0
Alleys (E/W)	Cornet	McFadden	From 5	To W	From 1	To 1	From 300	To 15	From 4,500	To 3.5	From ---	To 0	From 0	To 0	From 0	To 0	From 0	To 0	From 0	To 0
Alleys (N/S) - West	First Street	Second St	From 4	To W	From 1	To 1	From 300	To 15	From 4,500	To 3.5	From ---	To 0	From 0	To 0	From 0	To 0	From 0	To 0	From 0	To 0
Alleys (N/S) - East	First Street	Second St.	From 4	To W	From 1	To 1	From 300	To 15	From 4,500	To 3.5	From ---	To 0	From 0	To 0	From 0	To 0	From 0	To 0	From 0	To 0
Alleys (E/W)	Between First	and Second	From 4	To W	From 1	To 1	From 450	To 15	From 6,750	To 5.2	From ---	To 0	From 0	To 0	From 0	To 0	From 0	To 0	From 0	To 0
Alleys (N/S)	Second St.	Third St.	From 4	To W	From 1	To 1	From 300	To 15	From 4,500	To 3.5	From ---	To 0	From 0	To 0	From 0	To 0	From 0	To 0	From 0	To 0
Ambermeadow St	Deermeadow St.	Third St.	From 4	To W	From 1	To 1	From 600	To 33	From 19,800	To 15.2	From ---	To 0	From 0	To 0	From 0	To 0	From 0	To 0	From 0	To 0
Ambermeadow St	Between Second	and Third	From 4	To W	From 1	To 1	From 450	To 15	From 6,750	To 5.2	From ---	To 0	From 0	To 0	From 0	To 0	From 0	To 0	From 0	To 0
Alleys (E/W)	First Street	Los Angeles Ave.	From 4	To W	From 1	To 1	From 1,000	To 15	From 15,000	To 11.5	From ---	To 0	From 0	To 0	From 0	To 0	From 0	To 0	From 0	To 0
Ambermeadow St	Misty Meadow	End (W)	From 14	To F	From 1	To 1	From 240	To 33	From 7,920	To ---	From 880	To 0	From 0	To 0	From 0	To 0	From 0	To 0	From 0	To 0
Applegen Court	Mountain Trail St.	End (N)	From 10	To F	From 1	To 1	From 491	To 33	From 16,203	To 12.5	From ---	To 0	From 0	To 0	From 0	To 0	From 0	To 0	From 0	To 0
Arroyo Vista Pk Road	Tierra Rejada Rd.	W. Parking Lot	From 9	To ---	From 1	To 1	From 1,800	To 40	From 72,000	To 55.4	From ---	To 0	From 0	To 0	From 0	To 0	From 0	To 0	From 0	To 0
Arroyo West School	Drop-Off Lane	Key	From ---	To ---	From 1	To 1	From 300	To 14	From 4,200	To 3.2	From ---	To 0	From 0	To 0	From 0	To 0	From 0	To 0	From 0	To 0
Ashbourne Lane	Blairwood Dr.	End (S)	From 16	To F	From 1	To 1	From 216	To 33	From 7,128	To ---	From 792	To 0	From 0	To 0	From 0	To 0	From 0	To 0	From 0	To 0
Ashbrook Lane	Christian Barrett Dr.	End (W)	From 16	To F	From 1	To 1	From 396	To 33	From 13,068	To ---	From 1,452	To 1	From 0	To 0	From 0	To 0	From 0	To 0	From 0	To 0
Atlantis Ct	Hertz St	End	From 6	To ---	From 1	To 1	From 150	To 40	From 6,000	To 4.6	From ---	To 0	From 0	To 0	From 0	To 0	From 0	To 0	From 0	To 0
Atwood Court	Willow Creek Ln.	End (E)	From 17	To F	From 1	To 1	From 333	To 33	From 10,989	To 8.5	From ---	To 0	From 0	To 0	From 0	To 0	From 0	To 0	From 0	To 0
Autumn Meadow Circle	Country Meadow Rd.	End (E)	From 11	To F	From 1	To 1	From 158	To 30	From 4,740	To 3.7	From ---	To 0	From 0	To 0	From 0	To 0	From 0	To 0	From 0	To 0
Autumnglen Court	Walnut Creek Rd.	End (N)	From 11	To F	From 1	To 1	From 465	To 33	From 15,346	To 11.8	From ---	To 0	From 0	To 0	From 0	To 0	From 0	To 0	From 0	To 0
Avenida Colonia	Virginia Colony Place	End (N)	From 1	To T	From 1	To 1	From 1,082	To 33	From 35,706	To 27.5	From ---	To 1	From 0	To 0	From 0	To 0	From 0	To 0	From 0	To 0
Bard Street	Second St.	S/O 2nd	From 4	To W	From 1	To 1	From 723	To 50	From 36,150	To ---	From 4,017	To 1	From 1	To 0	From 100	To 1	From 0	To Yes	From 0	To 0
Beechgrove	Misty Grove St.	End	From 14	To T	From 1	To 1	From 706	To 33	From 23,298	To ---	From 2,589	To 1	From 0	To 0	From 0	To 0	From 0	To 0	From 0	To 0
Bella Vista Dr.	Vista Del Valle	End (N)	From 18	To F	From 1	To 1	From 1,750	To 37	From 64,750	To ---	From 7,194	To 1	From 0	To 0	From 0	To 0	From 0	To 0	From 0	To 0
Blairwood Drive	Christian Barrett Dr.	End (W)	From 16	To F	From 1	To 1	From 1,331	To 33	From 43,923	To ---	From 4,880	To 1	From 0	To 0	From 0	To 0	From 0	To 0	From 0	To 0
Bodega Pl.	Bella Vista Dr.	End (W)	From 18	To F	From 1	To 1	From 338	To 30	From 10,140	To ---	From 1,127	To 0	From 0	To 0	From 0	To 0	From 0	To 0	From 0	To 0
Bonita Heights	Bella Vista Dr.	Vista Del Valle	From 18	To F	From 1	To 1	From 910	To 37	From 33,670	To ---	From 3,741	To 0	From 0	To 0	From 0	To 0	From 0	To 0	From 0	To 0
Bonsai Ave.	Hertz	Tejeda	From 6	To ---	From 1	To 1	From 400	To 40	From 16,000	To 12.3	From ---	To 0	From 0	To 0	From 0	To 0	From 0	To 0	From 0	To 0
Brookgreen Street	Alderglen St.	Riverglen St.	From 14	To M	From 1	To 1	From 348	To 33	From 11,484	To 8.8	From ---	To 0	From 0	To 0	From 0	To 0	From 0	To 0	From 0	To 0
Brookhurst Ct	Tierra Rejada Rd.	End (S)	From 15	To M	From 1	To 1	From 350	To 33	From 11,550	To 8.9	From ---	To 1	From 0	To 0	From 0	To 0	From 0	To 0	From 0	To 0

000449

06/07 Pavement Rehabilitation Project

Attachment 2

Street	From	To	Pavement Quantities				Striping Quantities (Reference Only)			
			Dimension:	SF	ELT (Typ 2 Slv)	SY (ARM)	Stop / Bar	Bike Lane	Center Line	Crosswalk
Camden Ct	End (E)	End (W)	x 15 M	550	33	18,150	14.0	0	0	0
Candiewood Court	Christian Barrett Dr.	End (E)	x 16 F	486	33	16,038	12.3	1	0	0
Canario Ct.	Wm Ranch Rd	End (N)	x 15 M	250	33	8,250	6.4	0	0	0
Canyonwood Court	Hidden Pines Ct.	End (E)	x 16 W	697	33	23,001	---	2,556	1	0
Cedar Grove Lane	Candlewood Ct.	End (S)	x 16 F	106	45	4,770	3.7	0	0	0
Cedar Springs St.	Mountain Meadow Dr	Mt. Trail St	x 12 T	1,350	37	49,950	38.4	2	2600	0
Cedarglen Court	Walnut Creek Rd.	End (N)	x 11 F	528	33	17,424	13.4	0	0	0
Cedarmeadow Court	Ambermeadow St.	End (N)	x 11 F	259	33	8,547	6.6	0	0	0
Cedarpine Lane	Gunsmoke Rd.	Christian Barrett Dr.	x 17 F	1,236	37	45,732	35.2	1	0	0
Cedarpine Lane	Christian Barrett Dr.	Christian Barrett Dr.	x 16 F	1,278	33	42,174	---	4,686	2	0
Challenger Ct.	Maureen Ln.	End	x 6 --	1	370	37	13,690	10.5	1	0
Charles Street	Spring Road	End (E)	x 2 T	1	1,721	37	63,677	---	7,075	1
Cherrygrove St.	Misty Grove St.	End	x 13-14 T	1	2,059	33	67,947	---	7,550	1
Chesterfield Dr	Rolling Knoll Rd	Mill Valley Rd	x 17 F	1	600	33	19,800	15.2	0	0
Christian Barrett Drive	Candlewood Ct.	Spring Rd.	x 16 F	1	1,500	41	61,500	47.3	5	0
Christian Barrett Drive	Candlewood Ct.	Peach Hill Rd	x 16-17 F	1	3,795	41	155,595	---	17,288	3
Cliffrose Avenue	Summer St.	Winter Ave.	x 14 M	1	702	33	23,166	17.8	0	0
Collini Ct	Wm Ranc Rd	End (N)	x 15 M	1	200	33	6,600	---	733	0
Commerce Avenue	Gabbert Rd.	Poinddexter Ave.	x 7 --	1	1,900	37	70,300	54.1	2	0
Condor Dr	Princeton	Princeton	x 1 --	1	2,950	37	109,150	84.0	1	0
Coral Crest Ct.	Walnut Creek Rd.	End (E)	x 14 T	1	200	33	6,600	---	733	1
Comett Avenue	Poinddexter Ave.	End (S)	x 5 W	1	840	37	31,080	---	3,453	1
Countymeadow Rd	Walnut Creek Rd.	End (S)	x 11 F	1	1,832	37	67,784	52.1	1	0
Courtney Lane	Tierra Rejada Rd.	Elderberry Ave.	x 7 TH	1	692	35	24,220	18.6	---	0
Crescent Meadow Ct	Walnut Creek Rd.	End (E)	x 11 F	1	333	33	10,989	8.5	1	0
Crystal Ranch Road	Walnut Creek Rd.	Cliffrose Ave.	x 14 M	1	450	33	14,850	11.4	1	0
Crystal Ranch Road	Walnut Creek Rd.	End (W)	x 14 M	1	960	33	31,680	24.4	1	0
Deering Lane	Cedarpine Ln.	End (E)	x 17 F	1	781	33	25,773	19.8	0	0
Deermeadow Street	Walnut Creek Rd.	Country Meadow Rd.	x 11 F	1	649	37	24,013	18.5	1	0
Diablo Avenue	Sierra Ave.	Shasta Ave.	x 6 W	1	407	33	13,431	10.3	0	0
Discovery Ct.	Maureen Ln.	End	x 6 --	1	400	37	14,800	11.4	1	0
Doneva Road	Crystal Ranch Rd.	End (S)	x 14 M	1	396	33	13,068	10.1	0	0
Donnybrook Lane	Cedarpine Ln.	End (E)	x 17 F	1	1,288	36	46,368	35.7	0	0
Dorothy Avenue	Millard St.	Harry St.	x 4 W	1	956	36	34,416	26.5	0	0
Elderberry Avenue	Nightingale St.	Hanvestor St.	x 7 TH	1	1,014	33	33,462	25.7	0	0

0607 Pavement Rehabilitation Project

Attachment 2

List of Streets

Street	From	To	Map Pg. No.	Pavement Quantities				Stop / Bar	Bike Lane Legend	Center Line	Crosswalks	Other Legends
				Method	SLURRY	ARM	SY (A/RAM)					
Elmrock Avenue	Blairwood Dr.	Trailcrest Dr.	x 16	F	686	33	22,638	---	2,515	0	0	0
Endeavour Ct.	Poindexter Ave.	End	x 6	--	1	350	37	12,950	10.0	1	0	0
Esther Avenue	Millard St.	Harry St.	x 4	W	1	1,035	40	41,400	31.9	0	0	0
Everest Avenue	Shasta Ave.	End (E)	x 6	W	1	106	33	3,498	2.7	0	0	0
Fern Valley Ct	Chesterfield Dr	End (N)	x 17	F	1	400	33	13,200	10.2	0	0	0
First St	Moorpark Ave.	Bard St.	x 4	W	1	800	40	32,000	24.6	0	0	0
Flory Avenue	Third St.	Los Angeles Ave.	x 4	W	1	1,025	40	41,000	31.5	0	2	0
Forestglen Court	Walnut Creek Rd.	End (N)	x 11	F	1	317	33	10,461	8.1	0	0	0
Gabbert Road	L. A. Ave.	Poindexter	x 7	--	1	1,550	50	77,500	59.6	1	0	0
Goldman Ave	L. A. Ave.	Tejeda	x 6	--	1	550	40	22,000	16.9	1	0	0
Goldondria St	Peach Hill Rd.	End (S)	x 15	M	1	700	33	23,100	---	2,567.	1	0
Granada Dr.	Wm Ranch Rd	Oloroso Cir	x 15	M	1	350	33	11,550	8.9	1	0	0
Grand Isle Dr	End (W)	End (E)	x 18	F	1	900	33	29,700	22.9	2	0	0
Greenbush Lane	Trailcrest Dr.	End (E)	x 16	F	1	225	32	7,200	---	800	0	0
Grovedale Lane	Cedarpine Ln.	End (E)	x 16	F	1	169	33	5,577	4.3	0	0	0
Hargrove Court	Willow Creek Ln.	End (E)	x 17	F	1	227	33	7,491	5.8	0	0	0
Harry Street	Dorothy Ave.	Sherman Ave.	x 4	W	1	1,750	38	66,500	51.2	0	0	0
Harvester Street	Tierra Rejada Rd.	Elderberry Ave.	x 7	TH	1	692	36	24,912	19.2	1	0	0
Hatfield Court	Weeping Willow Dr.	Christian Barrett Dr.	x 17	F	1	230	33	7,590	5.8	1	0	0
Hatfield Court	Christian Barrett Dr.	End (E)	x 17	F	1	370	33	12,210	9.4	1	0	0
Heather Court	Courtney Lane	End (N)	x 7	TH	1	195	33	6,435	5.0	0	0	0
Heatherwood Hollow	Misty Grove St.	Cherrygrove St.	x 13	T	1	525	37	19,425	---	2,158	0	0
Hedland Court	Charles Street	End (S)	x 2	T	1	502	29	14,558	11.2	0	0	0
Hertz St.	Maureen Ln.	Bonsae Ave.	x 6	--	1	650	37	24,050	18.5	0	0	0
Hidden Pines Court	Tierra Rejada Rd.	End (S)	x 16	W	1	760	33	25,080	---	2,787	1	0
Hillburn Court	Cedarpine Ln.	End (E)	x 17	F	1	174	33	5,742	4.4	0	0	0
Hillside Ct.	Westport	Laurel Glen Dr.	x 15	M	1	240	40	9,600	7.4	1	0	0
Hillside Drive	Spring Creek Rd.	Misty Grove St.	x 14	M	1	1,399	35	48,965	37.7	2	0	0
Honeyglen Court	Mountain Trail St.	End (N)	x 10	F	1	512	33	16,896	13.0	0	0	0
Hunters Grove Ct	Misty Grove St.	End (S)	x 14	T	1	650	33	21,450	16.5	0	0	0
James Weak Ave	Leta Yancy	End (E)	x 5	TH	1	500	33	16,500	12.7	1	0	0
Juarez Ave	Unidos	End (S)	x 5	TH	1	600	33	19,800	15.2	0	0	0
Justin Court	Harvester St.	End (N)	x 7	TH	1	327	33	10,791	8.3	0	0	0
Kazuko Ct.	Tejeda	End (N)	x 6	--	1	650	40	26,000	20.0	0	0	0
Kiesha Drive	Southampton Rd.	End (E)	x 17	W	1	570	33	18,810	14.5	0	0	0

100451

06/07 Pavement Rehabilitation Project

Attachment 2

List of Streets		Pavement Quantities										Striping Quantities (Reference Only)			
		Method		Dimension:		SF		ELT (Typ 2 Slv)		SY (ARAM)		Stop / Bar		Bike Lane Legend	
Lassen Avenue	Shasta Ave.	To	From	W	1	95	33	3,135	2.4	---	0	0	0	0	0
Lassen Avenue	Sierra Ave.	End (W)	End (E)	W	1	95	33	3,135	2.4	---	1	0	0	0	0
Laurel Glen Drive	Hillside Dr.	Williams Ranch Rd.	x 14 M	1	486	37	17,982	13.8	---	1	0	0	0	0	0
Leta Yancy Rd	L A Ave	Include Park Parking Lot x End	x 13 T	1	800	33	26,400	20.3	---	0	700	0	1000	1	2
Little Hollow Pl.	Aldergrove St.	Pine Hollow Pl.	x 13 T	1	608	33	20,064	---	2,229	1	0	0	0	0	0
London Grove Ct.	Charles Street	End (N)	x 2 T	1	558	27	15,066	---	1,674	1	0	0	0	0	0
Lucille Court	Charles Street	End (S)	x 2 T	1	560	29	16,240	12.5	---	0	0	0	0	0	0
Lucille Court					253	29	7,337	5.6	---	0	0	0	0	0	0
Maureen Lane (N.)	L A Ave	Hertz Street	x 6 ---	1	1,000	40	40,000	30.8	---	0	0	0	30	1	0
Maureen Lane (S.)	L A Ave	End (S)	x 6 ---	1	900	32	28,800	22.2	---	0	0	0	30	1	0
McBeth Ct	Chesterfield Dr	End (N)	x 18 F	1	300	33	9,900	7.6	---	0	0	0	0	0	0
McFadden Avenue	Poinexter Ave.	End (S)	x 5 W	1	824	37	30,488	---	3,388	1	0	0	0	1	0
Meeham Way	Southampton Rd.	End (E)	x 17 F	1	322	33	10,626	8.2	---	0	0	0	0	0	0
Mill Valley Rd	Peach Hill Rd.	Chesterfield Dr	x 18 F	1	400	33	13,200	10.2	---	1	0	0	0	0	0
Millard Street	Dorothy Ave.	Second St	x 4 W	1	450	33	14,880	11.4	---	0	1	0	0	1	0
Millard Street	Second St.	Sarah Ave	x 4 W	1	200	37	7,400	---	822	0	1	0	0	1	0
Millard Street	N/O Roberts	Los Angeles Ave.	x 4 W	1	700	37	25,900	---	2,878	0	3	0	0	1	0
Misty Grove St.	Walnut Creek Rd.	Heatherwood Hollow	x 14 T	1	921	33	30,393	---	3,377	1	0	0	0	0	0
Misty Grove St.	Walnut Creek Rd.	End (E)	x 14 T	1	770	33	25,410	19.6	---	1	0	0	0	0	0
Misty Hollow Ct.	Rivergrove St.	End	x 13 T	1	350	33	11,560	8.9	---	1	0	0	0	0	0
Misty Meadow Street	Ambermeadow St.	Walnut Creek Rd.	x 11 F	1	201	33	6,633	5.1	---	1	0	0	0	0	0
Mountain Meadow Dr [N]	Tierra Rejada Rd.	Walnut Creek Rd. [N]	x 10 F	1	970	37	35,890	27.6	---	2	2100	8	1050	2	2 Yes
Mountain Meadow Dr [S]	Tierra Rejada Rd.	Mt. Trail [S]	x 12-13 T	1	4,500	37	166,500	128.1	---	1	9000	20	4500	1	0
Mountain Trail St. (N)	Tierra Rejada Rd.	Walnut Creek Ave.	x 10 F	1	2,200	37	81,400	---	9,044	1	4400	10	2100	2	2
Mountain Trail Court	Walnut Creek Rd.	End (E)	x 11 F	1	892	33	29,436	22.6	---	1	0	0	0	1	0
Nightingale Street	Elderberry Ave.	x 7 TH	1	544	33	17,982	13.8	---	0	0	0	0	0	0	0
Nogales Avenue	Los Angeles Ave.	Avenida Colonia	x 1 T	1	333	33	10,989	8.5	---	1	0	0	20	0	0
Oakcliff Drive	Christian Barrett Dr.	End (N)	x 17 F	1	517	33	17,061	13.1	---	1	0	0	0	0	0
Painted Sky St	Crystal Ranch Rd.	Camden Ct	x 14 M	1	169	30	5,070	3.9	---	0	0	0	0	0	0
Palomar Avenue	Sierra Ave.	Shasta Ave.	x 6 W	1	407	33	13,431	10.3	---	0	0	0	0	0	0
Palomitas Ct	Golondria	End (S)	x 15 M	1	200	33	6,600	---	733	0	0	0	0	0	0
Peach Hill Road	Tierra Rejada Rd.	Williams Ranch Rd.	x 15 ---	1	1,030	38	39,140	---	4,349	1	2000	4	1000	3	2
Peach Slope Road	Williams Ranch Rd.	End (N)	x 14 M	1	612	33	20,196	15.5	---	0	0	0	0	0	0
Pentrose Avenue	Nightingale St.	Harvester St.	x 7 TH	1	956	33	31,548	24.3	---	2	0	0	0	0	0

06/07 Pavement Rehabilitation Project

Attachment 2

List of Streets		Pavement Quantities						Striping Quantities (Reference Only)					
		From	To	Dimension:	SF	ELT (Type 2 Slty)	SY (ARM)	From	To	Dimension:	SF	ELT (Type 2 Slty)	SY (ARM)
Pheasant Run	Tierra Rejada Rd.	Westport	15 M	130	33	4,290	3.3	2	0	0	0	0	0
Pine Hollow P.	Aldergrove St.	End	13 T	733	27	19,791	---	1	0	0	0	0	0
Ransom Road	Southhampton Rd.	End (W)	17 W	913	33	30,129	23.2	1	0	0	0	0	0
Revello Street	Tonino	x 12 T	1,450	33	47,850	36.8	---	2	0	0	0	0	0
Riverglen Street	Brookglen St.	x 14 M	517	33	17,061	13.1	---	0	0	0	0	0	0
Rivergrove St.	Pine Hollow Pl.	Mt Meadow Dr	x 13 T	700	33	23,100	17.8	0	0	0	0	0	0
Roberts Avenue	Millard St.	Harry St.	x 4 W	1,035	40	41,400	31.9	0	1	0	0	0	0
Roberts Avenue	Harry St.	Spring Rd.	x 4 W	150	40	6,000	4.6	0	1	0	0	0	0
Rolling Knoll Rd	Peach Hill Rd.	Chesterfield Dr	x 17 F	430	37	15,910	12.2	1	0	0	0	0	0
Ruth Avenue	Millard St.	Harry St.	x 4 W	956	36	34,416	26.5	0	0	0	0	0	0
Sandy Hollow Ct.	Rivergrove St.	End	x 13 T	244	25	6,100	4.7	1	0	0	0	0	0
Sarah Avenue	Millard St.	Harry St.	x 4 W	956	36	34,416	---	3,824	0	0	0	0	0
Science Dr	L A Ave	End (N)	x 3 ---	2,050	37	75,850	58.4	---	0	0	0	100	1
Second Street	Millard St.	Spring Rd.	x 4 W	1,050	40	42,000	---	4,667	0	1	0	500	1
Second Street	Moorpark Ave.	Millard St.	x 4 W	1,473	40	58,920	---	6,547	0	2	0	70	2
Shady Knoll Court	Christian Barrett Dr.	End (S)	x 16 F	132	33	4,356	---	484	0	0	0	0	0
Shady Point Drive	Candlewood Ct.	Cedarpine Ln.	x 16 F	961	33	31,713	24.4	---	1	0	0	0	0
Shasta Avenue	Sierra Ave. [N-S]	Sierra Ave (West End)	x 6 W	1,750	37	64,750	49.8	2	0	0	0	0	0
Shasta Avenue	Sierra Ave. (W. End)	Los Angeles Ave.	x 6 W	550	37	20,350	---	2,261	2	0	0	0	0
Sherman Avenue	Millard St.	Harry St.	x 4 W	1,040	40	41,600	32.0	---	0	0	0	0	0
Sierra Avenue [E-W]	Shasta Ave. [N-S]	Sierra (N-S)	x 6 W	1	450	37	16,650	---	1,850	1	0	0	0
Sierra Avenue [N-S]	Poindexter Ave.	Sierra (E-W)	x 6 W	1	1,450	37	53,650	41.3	---	3	0	0	Yes
Silver Oak Lane	Rolling Knoll Rd	End (E)	x 18 F	200	33	6,600	5.1	---	1	0	0	0	0
Sir George Court	Charles St.	End (N)	x 2 T	454	29	13,166	10.1	---	0	0	0	0	0
Skidmore Ct	Grand Isle Dr	End (N)	x 18 F	300	29	8,700	6.7	---	0	0	0	0	0
Skyglen Court	Mountain Trail St.	End (N)	x 10 F	528	33	17,424	13.4	---	0	0	0	0	0
Southampton Road	Donnybrook Ln.	Tierra Rejada Rd.	x 17 F	1,190	37	44,030	33.9	---	3	0	0	0	0
Spring Creek Court	Walnut Creek Rd.	End (E)	x 14 M	1	338	33	11,154	---	1,239	1	0	0	0
Spring Creek Road	Walnut Creek Rd.	End (W)	x 14 M	1	950	33	31,350	24.1	---	1	0	0	0
Springtime Lane	Blairwood Dr.	End (W)	x 16 F	1	116	33	3,828	---	425	0	0	0	0
Stoneyglen Court	Walnut Creek Rd.	End (N)	x 11 F	312	33	10,296	7.9	---	0	0	0	0	0
Summer Shade Court	Elmrock Ave.	End (S)	x 16 F	264	33	8,712	6.7	---	0	0	0	0	0
Summer Avenue	Cliffrose Ave.	End (W)	x 14 M	502	33	16,566	---	1,841	0	0	0	0	0
Summerglen Court	Mountain Trail St.	End (N)	x 10 F	491	33	16,203	12.5	---	0	0	0	0	0
Sunny Slope Place	Hidden Pines Ct.	End (W)	x 16 W	1	201	33	6,633	---	737	0	0	0	0

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06/07 Pavement Rehabilitation Project

Attachment 2

List of Streets		Pavement Quantities										Striping Quantities (Reference Only)			
		From	To	Dimension:		SF	ELT (Typ 2 Slv)	SY (ARM)	Dimension:		SF	ELT (Typ 2 Slv)	SY (ARM)		
Sunnygen Drive	Mountain Trail St.	Walnut Creek Rd.	x 11	F	1	1,563	33	51,579	---	5,731	1	0	0	0	0
Sunrise Meadow Circle	Terracemeadow Ct.	End (E)	x 11	F	1	158	30	4,740	3.7	---	0	0	0	0	0
Sunset Meadow Ct.	Country Meadow Rd.	End (N)	x 11	F	1	190	30	5,700	4.4	---	0	0	0	0	0
Susan Avenue	Millard St.	Harry St.	x 4	W	1	1,024	36	36,864	28.4	---	0	0	0	0	0
Tech Cir.	Poindexter Ave.	End	x 6	---	1	500	37	18,500	---	2,056	1	0	0	0	0
Tecolote Cir	Wm Ranch Rd	End (N)	x 15	M	1	260	33	8,580	6.6	---	0	0	0	0	0
Tejada St.	Bonsai	Kazuko	x 6	---	1	300	40	12,000	9.2	---	0	0	0	0	0
Terracemeadow Court	Country Meadow Rd.	End (N)	x 11	F	1	486	33	16,038	12.3	---	0	0	0	0	0
Third Street	Moorpark Ave.	Band St.	x 4	W	1	929	60	55,740	---	6,193	0	1	0	100	1 Yes
Thomasville Ct	Westport	End (E)	x 15	M	1	770	33	25,410	19.6	---	1	0	0	0	0
Torino Street	Mt. Meadow	Cedar Springs	x 12	T	1	90	33	2,970	2.3	---	2	0	0	0	0
Trailcrest Drive	Christian Barrett Dr.	Blairwood	x 16	F	1	1,135	33	37,455	---	4,162	1	0	0	0	0
Unidos Ave	Leta Yancy	End (E)	x 5	TH	1	640	20	12,800	9.9	---	1	0	0	0	0
Villa Campesina Ave	Leta Yancy	End (E)	x 5	TH	1	500	33	16,500	12.7	---	1	0	0	0	0
Vinewood	Christian Barrett Dr.	End (E)	x 16	F	1	444	33	14,652	---	1,628	1	0	0	0	0
Virginia Colony Place	Condor	Rail Tracks	x 1	T	1	300	25	7,500	5.8	---	1	0	0	0	0
Vista Del Valle	Peach Hill Rd.	Bella Vista Dr.	x 18	F	1	1,000	30	30,000	23.1	---	1	0	0	0	0
Vista Levana Dr.	Vista Del Valle	Bella Vista Dr.	x 18	F	1	800	30	24,000	18.5	---	1	0	0	0	0
Vista Meadow Court	Country Meadow Rd.	End (N)	x 11	F	1	238	33	7,854	6.0	---	0	0	0	0	0
Walnut Creek Road	Sunnygen Dr.	Tierra Rejada Rd.	x 14	M	1	1,980	37	73,260	56.4	---	3	0	0	0	0
Walnut Creek Road	Mountain Trail St. (N)	Sunnygen Dr.	x 11	---	1	1,975	37	73,075	56.2	---	1	0	0	0	0
Walnut Creek Road	Mountain Meadow [S]	Tierra Rejada Rd.	x 13-14	---	1	2,650	37	98,050	75.4	---	4	27	1	2	0
Warren Circle	Charles Street	End (N)	x 2	T	1	222	29	6,438	5.0	---	0	0	0	0	0
Weeping Willow Drive	Donnybrook Ln.	End (E)	x 17	F	1	1,410	33	46,530	35.8	---	0	0	0	0	0
Westmont Drive	Crystal Ranch Rd.	Walnut Creek Rd.	x 14	M	1	597	33	19,701	15.2	---	1	0	0	0	0
Westport St	Brookhurst Ct.	End (E)	x 15	M	1	1,400	33	46,200	35.5	---	0	0	0	0	0
Whitney Avenue	Sierra Ave.	Palomar Ave.	x 6	W	1	803	33	26,499	---	2,944	0	0	0	0	0
Williams Ranch Road	Landscaped barrier	Landscaped barrier	x 14	M	1	697	35	24,395	18.8	---	0	0	0	0	0
Williams Ranch Road	Peach Hill Rd.	Landscaped barrier	x 15	M	1	1,500	36	52,500	---	5,833	1	0	0	1	0 Yes
Willow Creek Lane	Christian Barrett Dr.	End (E)	x 17	F	1	1,000	33	33,000	25.4	---	1	0	0	0	0
Willow Creek Ln.	Christian Barrett Dr.	End (N)	x 17	F	1	300	33	9,900	7.6	---	1	0	0	0	0
Willow Forest	Willow Springs Dr.	Mountain Meadow	x 10	F	1	1,220	33	40,280	31.0	---	0	0	0	0	0
Willow Grove Court	Willow Springs Dr.	Mountain Meadow	x 10	F	1	454	33	14,982	---	1,665	0	0	0	0	0
Willow Hill Drive	Willow Springs Dr.	Mountain Trail St.	x 10	F	1	1,769	33	58,377	44.9	---	1	0	0	0	0
Willow Springs Drive	Willow Grove	Mountain Trail St.	x 1214	33		40,062	30.8								

06/07 Pavement Rehabilitation Project

Attachment 2

<u>List of Streets</u>		
<u>Street</u>	<u>From</u>	<u>To</u>
Willow Springs Drive	Willow Grove	Mountain Meadow (N)
Winter Avenue	Cliffrose Ave.	End (W)
Wintergreen Lane	Hidden Pines Ct.	End (W)
Woodlake Manor	Cedarpine Ln.	End (S)

<u>Method</u>	<u>Pavement Quantities</u>		<u>Striping Quantities (Reference Only)</u>	
	<u>Dimensions</u>	<u>SF</u>	<u>ELT (Type 2 Slty)</u>	<u>SY (ARAM)</u>
SLURRY	1	1,200	33	39,600
TRASH DAY	F	459	33	15,147
Map Pg. No.	M	1	11.7	4,400
	W	1	---	---
	x 16	539	33	17,787
	x 16	301	33	1,976
Total Number	158	55	7.6	---
Total	2,979.7	176,363	0	0
	ELT	SY	EA	EA
			LF	LF
			EA	EA

For Information Only

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