

CITY OF DANA POINT
AGENDA REPORT

Reviewed By:	
DH	X
CM	X
CA	

DATE: MAY 25, 2005

TO: CITY MANAGER/CITY COUNCIL

FROM: BRAD FOWLER, DIRECTOR OF PUBLIC WORK & ENGINEERING
MATTHEW SINACORI, DEPUTY CITY ENGINEER

SUBJECT: AUTHORIZE TOPOGRAPHIC SURVEY AND GEOTECHNICAL ENGINEERING SERVICES IN PREPARATION FOR ANNUAL ROADWAY RESURFACING PROJECTS FY 05/06 AND FY 06/07

RECOMMENDED ACTION:

That the City Council (1) authorize an expenditure in a not-to-exceed amount of \$140,000 for topographic survey services for FY 05/06 and FY 06/07 Annual Residential Roadway Resurfacing Projects; (2) authorize a purchase order to Goffman McCormick and Urban (GMU) for a not-to-exceed amount of \$20,000 for geotechnical/pavement evaluation services for FY 05/06 and FY 06/07 Annual Roadway Resurfacing Projects; (3) approve transfer of CIP funds in the amount of \$60,000 from CIP Account #1179 and \$20,000 from CIP Account #1137 to CIP Account #1184 to help cover this expenditure; and (4) acknowledge that staff will return at the start of Fiscal Year 05/06 to ask the Council to consider authorization of design services for future Annual Roadway Resurfacing Projects.

ISSUES:

To expedite the completion of next year's Annual Residential Roadway Resurfacing Project, staff has identified the need to obtain topographic survey and pavement evaluation for several streets that are scheduled for rehabilitation that require extensive drainage work coincident with repaving. In an effort to complete the project more expeditiously within the fiscal year, staff proposes to start that work in advance of the design phase.

BACKGROUND:

Annual Roadway Resurfacing Projects include pavement rehabilitation/maintenance on streets that warrant the most immediate attention, as well as bringing those streets into compliance with the Americans with Disabilities Act

(ADA) relative to respective adjacent paths of travel with appropriate pedestrian ramps.

Relative priorities and appropriate resurfacing methods are generally guided by the City's Pavement Management System recommendations. County of Orange and City staff evaluates street pavements annually and the results from the evaluation become the basis for generating rehabilitation projects for the following years. The typical roadway renovation technique employed in this program includes minor dig-outs of failed pavement sections followed by an asphalt overlay.

Over the course of the next two years, however, several streets will require complete reconstruction and drainage changes. In past years, even as far back as pre-incorporation, asphalt concrete pavement on some of these streets was placed without grinding the street edges along the curb. As a result, the curb exposure (height) was reduced when the street was paved last. This creates issues with drainage, driveways, and long term maintenance.

Further, the City plans to correct drainage issues at 26 intersections citywide as part of this project. The reason that this is necessary is that repetitive maintenance at increased cost with water scouring the asphalt as it travels across these intersections. The City proposes to construct concrete cross gutters and minor storm drain improvements to address the issues.

Since reconstruction is required for several streets and drainage issues will be corrected at several intersections citywide, the City must secure topographic survey for the subject streets and intersections. Further, the City needs to evaluate the pavement thickness in the subject streets to allow the design to be completed properly. Once the survey and pavement investigation are complete, the design phase can commence.

DISCUSSION:

The County of Orange Public Facilities and Resources Department (County), through its Operations and Maintenance Division, has provided a list of streets to be considered for maintenance/resurfacing projects within the City of Dana Point this year. The County, on behalf of the City, rates all of the public streets in Dana Point each year. Those streets with a rating of 80 or less were considered for an overlay.

Key staff from the Public Works Department drove all streets listed for rehabilitation and selected the streets for the next two years. The list of streets is included as Supporting Document A. Supporting Document B is provided to indicate the streets on the list for rehabilitation where survey is necessary. Supporting Document C is provided to indicate the intersections where the City

will work to improve drainage citywide utilizing cross gutters and minor storm improvements.

It is important to note that the City is obligated to bring all streets into compliance with current ADA requirements. This will be done as part of the design and construction of this project.

Staff recommends securing topographic survey and the pavement evaluation in advance of authorizing the design phase. This will allow staff to more efficiently complete the project as we can start in advance of the new fiscal year.

NOTIFICATION/FOLLOW-UP:

Bush and Associates
Goffman McCormick and Urban

STRATEGIC PLAN IMPLEMENTATION

In compliance with the Strategic Plan Initiative to maintain, modernize and beautify the City's infrastructure and neighborhoods, this project implements the tactical element of upgrading and maintaining roads and bridges.

FISCAL IMPACT:

Staff proposed to fund the cost of the survey services and geotechnical/pavement investigation from the current Annual Roadway Resurfacing Project (#1184) (current funds remaining in the amount of \$80,000). In order to fully fund the work, however, staff recommends the following transfer from other projects currently in progress where funds are available:

Project	CIP Account Number	Recommended Transfer Amount
Arterial Roadway Resurfacing – Del Obispo Street	1179	\$60,000
Arterial Highway Sidewalk System	1137	\$20,000

With the above recommended funding transfers, there is sufficient budget in this fiscal year to fund the recommended action.

ALTERNATIVE ACTIONS:

1. Other alternatives as determined by the City Council.

ACTION DOCUMENTS:

PAGE

None

SUPPORTING DOCUMENTS:

A. List of Streets to be rehabilitated in FY 05/06 and FY 06/07	5
B. List of Streets where survey is needed	6
C. List of Intersections where drainage improvements are planned.....	7
D. Proposals (available in the Public Works Department).....	8

SUPPORTING DOCUMENT A: List of streets to be rehabilitated in FY 05/06 and FY 06/07

RESIDENTIAL/COLLECTOR STREETS TO BE PAVED IN FY 05/06 WITH NEW CURB AND GUTTER		
STREET	BEGIN	END
CAMINO CAPISTRANO	CAMINO DE ESTRELLA	PALISADES DR
CAMINO CAPISTRANO	200' E/O VIA CALIFORNIA	CAMINO CAPISTRANO
CALLE JUANITA	CALLE REAL	CALLE NARANJA
GRANADA DRIVE	LA CRESTA DR	SELVA RD
RESIDENTIAL/COLLECTOR STREETS TO BE PAVED IN FY 05/06 (PAVING ONLY)		
STREET	BEGIN	END
JEREMIAH DRIVE	JOSIAH DR	BENJAMIN CIR
JEREMIAH DRIVE	BENJAMIN CIR	STREET/GOLDEN LANTERN
PRISCILLA DRIVE	SIMEON DR NW/	CUL DE SAC
EL CAMINO CAPISTRANO	STREET/VIOLET LANTERN	STREET/GOLDEN LANTERN
RESIDENTIAL/COLLECTOR STREETS TO BE PAVED IN FY 06/07 WITH NEW CURB AND GUTTER		
STREET	BEGIN	END
VIA SACRAMENTO	CAMINO CAPISTRANO	VIA SAN JUAN
ALTA VISTA	CAMINO EL MOLINO NE	SAN CLEMENTE CITY LIMITS
VISTA DEL MAR	CALLE FORTUNA	CAMINO DE ESTRELLA
RESIDENTIAL/COLLECTOR STREETS TO BE PAVED IN FY 06/07 (PAVING ONLY)		
STREET	BEGIN	END
EASTWIND DRIVE	IRONSIDES DR	CORAL REACH ST
GOLDENSPRING DRIVE	DEL OBISPO ST	SUNRIDGE DR
NANCY JANE COURT	EASTWIND DR NE/	CUL DE SAC
SUNRIDGE COURT	EASTWIND DRIVE	CUL DE SAC
CALLITA DRIVE	VIA ELEVADO	LA CRESTA DR
AURELIO DRIVE	VIA ELEVADO	LA CRESTA DR
EL CONTENTO DRIVE	MANZANITA DR	LA CRESTA DR
FORMOSA DRIVE	VIA ELEVADO	LA CRESTA DR
ZARZITO DRIVE	VIA ELEVADO	LA CRESTA DR
VIA ELEVADO	CALLITA DR E/	CUL DE SAC
ALLEY-NE/CAMINO CAPISTRANO	VIA SERRA	CUL DE SAC
ALLEY-SE/DOHENY PARK ROAD	VICTORIA BLVD	DOMINGO AVE
VICTORIA BOULEVARD	CAMINO CAPISTRANO	SEPULVEDA
MAZO DR	LA CRESTA DR	CALLE LA PRIMAVERA
MARIANA DRIVE	LA CRESTA DR	CALLE LA PRIMAVERA

SUPPORTING DOCUMENT B: List of streets where survey is needed

RESIDENTIAL/COLLECTOR STREETS TO BE PAVED IN FY 05/06 WITH NEW CURB AND GUTTER		
STREET	BEGIN	END
CAMINO CAPISTRANO	CAMINO DE ESTRELLA	PALISADES DR
CAMINO CAPISTRANO	200' E/O VIA CALIFORNIA	CAMINO CAPISTRANO
CALLE JUANITA	CALLE REAL	CALLE NARANJA
GRANADA DRIVE	LA CRESTA DR	SELVA RD
RESIDENTIAL/COLLECTOR STREETS TO BE PAVED IN FY 06/07 WITH NEW CURB AND GUTTER		
STREET	BEGIN	END
VIA SACRAMENTO	CAMINO CAPISTRANO	VIA SAN JUAN
ALTA VISTA	CAMINO EL MOLINO NE	SAN CLEMENTE CITY LIMITS
VISTA DEL MAR	CALLE FORTUNA	CAMINO DE ESTRELLA

SUPPORTING DOCUMENT C: List of intersection where drainage improvements are planned

CROSS GUTTER INSTALLATION EVALUATION			
Reference No.	Priority	Location	Proposed Cross Gutter Locations
1	1	Via Canon at Camino Capistrano	T-intersection: NE corner to SE curb
2	3a	Doheny Place at Camino Capistrano	T-intersection: SW to SE corner
3	5	Via California at Camino Capistrano	NE corner to SE corner
4	11	Camino Capistrano south of Doheny Park Road (Frontage Road)	behind Aamco
5	4	Calle Carmelita at Calle Portola	SW to SE corner
6	--	Calle Velez at Calle Los Alamos	NW to NE corner
7	--	Via Velez at Via Sacramento	NW to NE corner
8	2	Las Palmas at Calle Rosita	2 locations: (1) SW to SE corner, (2) SE to NE corner
9	--	Calle Loma at Calle Fortuna	NE to SE corner
10	6	Via Sacramento at Camino Capistrano	2 locations (to be constructed with Phase II Storm Drain Project)
11	--	Calle Maria at Vista Del Mar	NW to NE corner
12	7	34976 Calle Fortuna	catch basin evaluation
13	--	Calle Real at Calle Del Sol	NW to SW corner
14	--	Calle Loma at Calle Del Sol	NE to SE corner
15	13	Calle Las Flores at Calle Del Sol	NW to NE corner
16	--	Calle Ramona at Calle Del Sol	NW to NE corner
17	--	Via Verde at Via California	NE to SE corner
18	--	Via Gomez at Via California	NE to SE corner
19	10	Santa Rosa at Camino Capistrano	SW to SE corner
20	--	Silver Lantern at La Cresta	2 locations (1) NW to SW corner, (2) NE to SE corner
21	--	La Cresta at La Serana	NW to NE corner
22	9	La Cresta at Barcelona	NW to NE corner
23	14	Castano at Violet Lantern	NW to SW corner
24	8	Santa Clara at Amber Lantern	SW to SE corner
25	--	Santa Clara at Violet Lantern	NW to NE corner
26	--	Del Obispo at Westbourne	existing cross gutter (NW to SW corner)

SUPPORTING DOCUMENT D:

Hard copies available in Public Works Department