

March 8, 2006

Honorable Mayor and Members of
The Hermosa Beach City Council

Regular Meeting of
March 28, 2006

**PROJECT NO. CIP 04-117 MANHATTAN AVENUE STREET IMPROVEMENTS
PROFESSIONAL SERVICES AGREEMENT FIRST AMENDMENT
AND
PROJECT NO. CIP 05-120 STREET IMPROVEMENTS- VARIOUS STREETS
PROFESSIONAL SERVICES AGREEMENT FIRST AMENDMENT**

Recommendation:

It is recommended that the City Council:

1. Approve the attached First Amendment to the Professional Services Agreement between the City of Hermosa Beach and CBM Consulting, Inc. for an increase in scope of services and contract amount of \$10,730 for Project No. CIP 04-117 Manhattan Avenue Street Improvements;
2. Approve the attached First Amendment to the Professional Services Agreement between the City of Hermosa Beach and CBM Consulting, Inc. for an increase in scope of services and contract amount of \$6,265 for Project No. CIP 05-120 Street Improvements- Various Streets;
3. Authorize the Mayor to execute and the City Clerk to attest said amendments, upon approval as to form by the City Attorney; and
4. Authorize the Director of Public Works to make additional changes to the agreements up to \$2,500 for Project No. CIP 04-117 Manhattan Avenue Street Improvements and up to \$2,500 for Project No. CIP 05-120 Street Improvements- Various Streets to address potential unforeseen issues during construction.

Background:

On September 27, 2005, the City Council authorized CBM Consulting, Inc. to provide design and engineering services for Project No. CIP 04-117 Manhattan Avenue Street Improvements and Project CIP 05-120 Street Improvements- Various Streets. CBM Consulting, Inc. had provided cost effective and timely design services for Project No. CIP 00-172 21st Street from Valley Drive to Power Street, Project No. CIP 02-189 Street Improvements – Myrtle Area, and Project No. CIP 04-115 Street Improvements – 20th Street from Valley Drive to Power Street.

The original scope of services for these projects was to provide construction documents that addressed the rehabilitation of pavement surfaces, primarily via grinding and overlay of existing streets with drainage solutions at specific locations. After evaluating the preliminary design submittal, it was determined that several additional drainage and street improvement measures are necessary, as follow:

- The pavement along 1st Street from Pacific Coast Highway to Barney Court is severely broken, such that a complete reconstruction for adequate design life and proper drainage is required.
- New curb and gutter at 1154 and 1211 Cypress Avenue is required due to poor drainage conditions.
- New curb and gutter installation along portions of both sides of the entire length of Manhattan Avenue is required to maintain the life of the flow lines where not already installed at sporadic locations by private developments.
- The driveway at Loma Drive on the west side of Manhattan Avenue needs to be revised to correct storm water flow while maintaining conformance with ADA standards.

As a result of these drainage improvement issues, several changes to the original scope of work and design direction, along with additional topographic survey services for both of the noted projects are required. Staff has negotiated with CBM Consulting, Inc. for additional design and engineering fees totaling \$10,370 for Project No. CIP 04-117 Manhattan Avenue Street Improvements and \$6,265 for Project CIP 05-120 Street Improvements- Various Streets.

Analysis:

The revisions to the original Scope of Services consists of the following:

CBM Consulting, Inc. will amend the plans, specifications, and estimate to incorporate Project No. CIP 04-117 Manhattan Avenue Street Improvements and Project CIP 05-120 Street Improvements- Various Streets into a single set of documents that include engineering design for the drainage improvement issues that were identified. The specifications will include a single bid table for all bid items with a goal of saving City staff time and budget.

Additionally, CBM will combine the Manhattan Avenue and Various Street Improvement Projects along with the Concrete Streets and Crack /Slurry Seal projects into one bid package.

The total increased design fee for the combined project is well within the typical expected design fee percentage of estimated construction costs on similar street projects.

The complete revisions to the Scope of Services can be found in Exhibit A of the attached sample Amendments to the Professional Service Agreements.

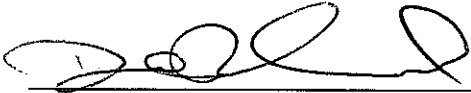
Fiscal Impact:

Funding is available in fund no. 301-8117-4201 for the Manhattan Avenue Street Improvement Project and in 301-8120-4201 for the Street Improvements, Various Locations Project; therefore, there is no fiscal impact at this time.

Attachments: Professional Services Agreements for each contract

Respectfully submitted,

Concur:



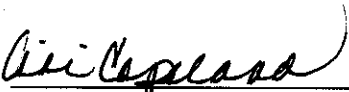
Dino D'Emilia
Interim CIP Manager



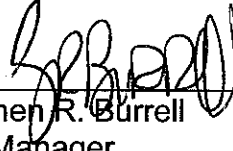
Richard D. Morgan, P.E.
Director of Public Works/City Engineer

Noted for Fiscal Impact:

Concur:



Viki Copeland
Finance Director



Stephen R. Burrell
City Manager

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March 9, 2006

Dino D'Emilia
Engineering Department
City of Hermosa Beach
1315 Valley Drive
Hermosa Beach, CA 90254

RE: Proposed Change Order #1 to the Scope of Work for the Manhattan Avenue Rehabilitation Project for the City of Hermosa Beach

Dear Mr. D'Emilia:

As discussed at our meeting on February 14, 2006, the City has proposed changes to the scope of work for this project and the Street Rehabilitation Project. Please note that additional changes proposed for the Street Rehabilitation project, other than incorporation of both projects into a single set of documents, is not included in this scope of work.

Proposed Change to Scope of Services:

CBM Consulting, Inc. will amend the plans, specifications, and estimate to incorporate both the Manhattan Avenue and the Street Rehabilitation Projects into a single set of documents. The specifications will include a single bid table for all bid items. CBM will also assist the City in incorporating additional City-provided construction requirements, specifications, tables, and bid items for other repairs to concrete streets, crack sealing, and slurry sealing work.

New curb and gutter will be constructed along the entire length of Manhattan Avenue, except for some minor areas meeting current construction standards. The plans will be revised to include 6 profile sheets, with flowline grades shown every 25 feet, and sections every 100 feet.

Revise the driveway at Loma Drive on the west side of Manhattan Avenue to correct storm flow and provide greater height from flowline to back of sidewalk, but maintain ADA conformance.

The required topographic survey will be provided by Denn Engineer's under their current agreement with the City.

Exclusions:

- Geotechnical Survey (available at additional cost)
- Hydrogeological Engineering
- Topographic Survey

Deliverables:

- Incorporate changes into the plans, specifications, and estimate



City of Hermosa Beach Manhattan Avenue Pavement Rehabilitation

Estimated Fee:

The estimated Not-to-exceed fee will be \$10,730.00.

Thank you for this opportunity to offer our services to the City of Hermosa Beach. Should you have questions, please contact me at (310) 525-0678.

Sincerely,
CBM Consulting, Inc.



Chuck Stephan, P.E. (CA RCE #50481)
President



**Manhattan Avenue Rehabilitation Project
Proposed Change Order #1 3/6/06**

TASK	FIRM	Principal-In-Charge				AMOUNT
		Principal-In-Charge	Design Engineer	Drafting/Technical	Clerical	
DESIGN PHASE						
Add 6 sheets profiles, gutter grades, sections	CBM		40	60	4	\$8,920
Revise driveway at Loma Drive west side	CBM		5	4		\$825
Amend plans, specifications, and estimate to include street rehabilitation project	CBM		6	4	1	\$985
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0

TOTAL HOURS:	0	51	68	5	
RATE:	\$150	\$105	\$75	\$55	
SUBTOTALS:	\$0	\$5,355	\$5,100	\$275	\$10,730

OTHER DIRECT COSTS			
Reimbursables	CBM		\$0
SUBTOTAL:			\$0

TOTAL					\$10,730
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Notes:

City to provide additional survey as needed from Denn Engineers

March 9, 2006

Dino D'Emilia
Engineering Department
City of Hermosa Beach
1315 Valley Drive
Hermosa Beach, CA 90254

RE: Proposed Change Order #1 to the Scope of Work for the FY2005-2006 Street Rehabilitation Project for the City of Hermosa Beach

Dear Mr. D'Emilia:

As discussed at our meeting on February 14, 2006, the City has proposed changes to the scope of work for the Street Rehabilitation Project. Please note that additional changes proposed for the Manhattan Avenue project is included in a separate letter. Costs to incorporate both projects into a single project is included in the Manhattan Avenue revised cost estimate.

Proposed Change to Scope of Services:

The original scope of work addressed only the rehabilitation of pavement surfaces, not the installation of new drainage improvements including curb & gutter, cross gutters, or longitudinal gutters. After the February 14 meeting, CBM was asked to review the necessity of new drainage improvements. CBM Consulting, Inc. reviewed the entire project area again to determine if any new drainage improvements are required, with the following results.

The existing PCC pavement on 1st Avenue from Pacific Coast Highway to Barney Court is severely broken, cut by utility trenches, or otherwise damaged, and has large areas of ponding, such that complete reconstruction and regrading for proper drainage is recommended. This will require additional topographic survey and design work, including new plan and profile plan sheets.

All of the remaining streets, while exhibiting a variety and patchwork of existing curbs, gutters, ac berms, ac swales, or simply matching to existing driveways and walkways, do not necessarily require new drainage improvements, even though the existing system may currently be non-conforming and inconsistent. The existing system has a history of performance; the proposed rehabilitation method of milling full-depth and repaving with an equivalent thickness of asphalt pavement will not alter this existing situation, and will be the most cost-effective solution for rehabilitating the pavement. The cost savings could be utilized to rehabilitate other streets instead of constructing new gutters. As a result, the streets would still retain their uniquely varied character. Please note that some asphalt surfaces will eventually exhibit erosion due to runoff, especially those with central swales. However, those streets could then be slurry sealed, or they could be improved with gutters at a later time after the remaining City streets are rehabilitated. The City could rehabilitate pavement surfaces without drainage improvements, and pursue it's current method of requiring construction of improvements with building permits. Two minor exceptions are the construction or replacement of curb & gutter at 1154 and 1211 Cypress Avenue.



For the proposed change order, CBM Consulting recommends the full reconstruction of 1st Avenue from Pacific Coast Highway to Barney Court, from back of curb to back of curb; and construction or replacement of curb & gutter at 1154 and 1211 Cypress Avenue. The remaining streets could be rehabilitated with existing drainage facilities in place.

Topographic surveys will be provided by the City.

Exclusions:

- Geotechnical Survey (available at additional cost)
- Hydrogeological Engineering
- Topographic Survey

Deliverables:

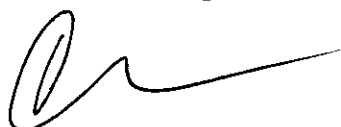
- Incorporate changes into the plans, specifications, and estimate

Estimated Fee:

The estimated Not-to-exceed fee will be \$6,265.00

Thank you for this opportunity to offer our services to the City of Hermosa Beach. Should you have questions, please contact me at (310) 525-0678.

Sincerely,
CBM Consulting, Inc.



Chuck Stephan, P.E. (CA RCE #50481)
President



FY2005-2006 Street Rehabilitation Project
Proposed Change Order #1 2/21/06

TASK	FIRM	HOURS				AMOUNT
		Principal-In-Charge	Design Engineer	Drafting/Technical	Clerical	
DESIGN PHASE						
Add 3 sheets plan, profiles, gutter grades, sections	CBM		29	40	4	\$6,265
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0

TOTAL HOURS: 0 29 40 4
RATE: \$150 \$105 \$75 \$55
SUBTOTALS: \$0 \$3,045 \$3,000 \$220 \$6,265

OTHER DIRECT COSTS			
Reimbursables	CBM		\$0
SUBTOTAL:			\$0

TOTAL \$6,265

Notes:
City to provide topo survey