CITY OF HUNTINGTON BEACH
PUBLIC WORKS COMMISSION
REQUEST FOR ACTION

Item No. PWC 09-25

SUBMITTED TO: Chairman McGovern and Members of the Commission

SUBMITTED BY: Travis K. Hopkins, PE, Director of Public Works

DATE: July 15, 2009

SUBJECT: Downtown Bollard Project, CC-1358

Statement of Issue: Plans and specifications for the Downtown Bollard Project, CC-1358 are in final preparation. Staff is seeking support for the project and the initiation of the competitive bid process.

Funding Source: Project funding is subject to Council action on July 20, 2009. The engineer's cost estimate for this project is $170,000.

Recommended Action: Motion to recommend to the City Council, the Downtown Bollard Project, CC-1358

Alternative Action(s): Deny approval and recommend an alternative action.

Analysis: In 2006, City Council formed a committee to review temporary closures of Main Street. The appointed committee consisting of residents, business owners and staff reviewed and discussed issues such as maintenance, traffic and safety, and marketing. Initially, the committee considered manual retractable bollards as potential barricades. However, due to funding constraints, water-filled barricades were recommended. In an effort to further reduce costs, the City transitioned into using vehicles as barricades.

In November 2008 the Huntington Beach Downtown Business Improvement District requested that bollards be installed to serve as barricades. Input from staff in the Fire, Public Works and Economic Development Departments were utilized to develop a recommended list of design alternatives (attached). In May 2009, the EDC reviewed bollard alternatives and recommended that staff develop a proposal, for City Council approval, with removable bollards as the preferred alternative. Upon Council approval of funding, the project will be advertised for bids.

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Attachments:

1. Project Location Map
2. Bollard Protection System Alternatives

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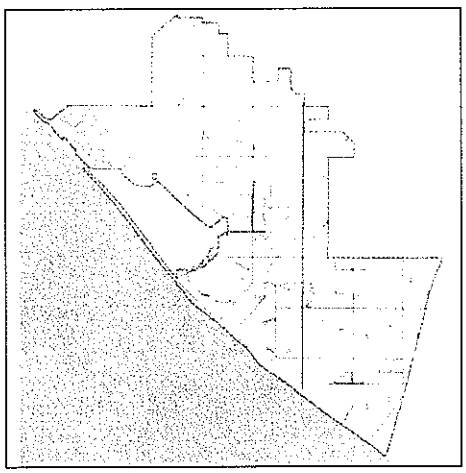
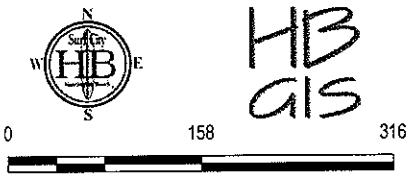
ATTACHMENT #1

LOCATION MAP

Map produced by information contained in the City of Huntington Beach Information Services Department Geographic Information System. Information warranted for City use only. Huntington Beach does not guarantee its completeness or accuracy.
Map Produced on 6/30/2009





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ATTACHMENT #2

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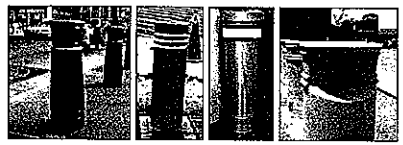
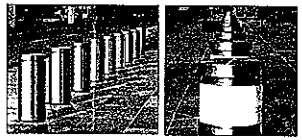
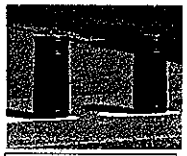
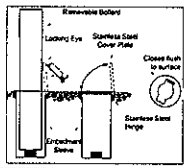
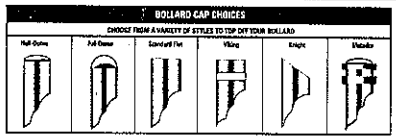
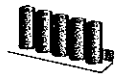
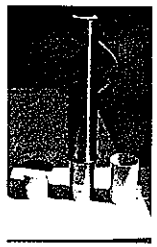
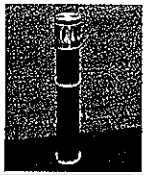
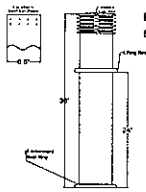
Bollard Protection System Alternatives

No.	VENDORS	TYPES	SELECTIONS	PSS Level	WT (in Lbs)	Approx. Set-Up/Tear Down Time	Available Accessories	Estimated Costs: Option 1 (Removable & Manual Combination) Based on 5' to 5.5' o.c spacing	Estimated Costs: Option 2 (All Removable) Based on 5' to 5.5' o.c spacing	Other Remarks
1	SecureUSA Cumming, GA 30041 T: 770-205-0789 Ext. 102 F: 770-889-7939 Rep: Bill Paul E: bill.paul@secureusa.net www.secureusa.net	Fire-Bollard Removable	 8-in Fire Bollards (SU-BX310)	4	66 Lbs (Bollard) 27 Lbs (Rod) 60 Lbs (Aluminum Sleeve)	1-2 Minutes	**Cast Aluminum Sleeves**  **Stainless Steel Sleeves**  Aluminum and Stainless Steel Sleeves can be placed on both removable and manual retractable bollards	Material: $ 3800 Ea. x 8 Fire Bollards = $ 34,200 (Including cast alluminum sleeves) $ 5500 Ea. X 46 Retractable = $ 253,300 (Including "lightweight" stainless steel sleeves) Stainless Steel Sleeve is available for an additional $ 1450/Ea for the Fire Bollards Installation: $ 1500 x 55 Ea = $ 82,500 Total Est. Costs = **$ 370,000**	Material: $ 3400 x 55 Ea = $ 187,000 (Including Cast Alluminum Sleeves) Stainless Steel Sleeve is available for an additional $ 1450/Ea for the Fire Bollards Installation: $ 1500 x 55 Ea = $ 82,500 Total Est. Costs = **$ 269,500**	Requires Bollard system to be removed/set-up in three (3) steps: 1. Lift Rod Out 2. Lift Sleeve Out 3. Lift Bollard
		Manual Retractable	 6-in Manual Retractable Bollards (Rambloc)	4	Not Applicable	20-30 Secs				Requires battery-powered drills to lower or raise
2	Cal Pipe Company Downey, CA T: 877-283-8518 F: 562-803-0246 Rep: Joe Pederson E: joe@calpipebollards.com www.calpipebollards.com	Removable	 6" in External Locking Removable Bollards (IBP 6040)	4	76 Lbs	20-30 Secs	 **Lifting Handle** **Bollard Storage Sleeves**  Storage sleeves for 1 to 6 Retractable Bollards Removable Bollards can have different cap shapes as shown above. Additionally, lifting handles and storage sleeves are available as options	Not Applicable	Material: Externally Locked (Carbon Steel) $ 800 x 55 Ea = $ 44,000 Handles; $ 40/Ea = $ 2,200 Internally Locked (Stainless Steel) $ 1500 x 55 Ea = $ 82,500 Handles; $ 70/Ea = $ 3,850 Installation: $ 300 x 55 Ea = $ 16,500 (Need to double this figure for sidewalk installation as well) Total Est. Costs = **$ 62,700** (Externally Locked) Total Est. Costs = **$ 102,900** (Internally Locked)	Requires keys to the locks secured by fire department personnel. See picture below for internally-locked Stainless Steel Bollards: 
3	Parking Sentry and Security Bollard Co. Hawaiian Gardens, CA 90716 T: 562-468-1126 F: 562-468-0700 Rep: Chris Korelvo C: 562-706-1560 E: chris.parkingsentries@verizon.net www.parkingsentries.com	Removable	 6" in Stainless-Steel Removable Bollards (BobCat)	4	75 Lbs	1-2 Minutes	 Two different light caps available	Not Applicable	Material: $ 2,800 x 55 Ea = $ 154,000 Installation: $ 700 x 55 Ea = $ 38,500 Total Est. Costs = **$ 192,500**	Two options are available for the lights on-top, as shown below: Option 1 Option 2