

## **City of Rancho Palos Verdes**

### **2013 Infrastructure Report Card**

Engineer's Opinion of Improvement Costs to Improve  
Storm Drain Infrastructure Grade Level by  
One Letter Grade (C to B)

<b>No.</b>	<b>Description &amp; Location (Drainage Area)</b>	<b>Cost</b>
1	Upsize pipe in Avenida Estudiante in NE Corner (Los Angeles)	\$550,000
2	Upsize pipe near Miraleste in SE Corner (Los Angeles)*	\$400,000
3	Upsize pipe north of PVD south in SE Corner (Ocean South)	\$325,000
4	Upsize pipe south of PVD south in SW Corner (Ocean South)	\$750,000
5	Upsize pipe in Monero Drive in NW Corner (PVE West)	\$375,000
6	Install inlet/outlet structures for CMP culverts as needed	\$750,000
<b>Total</b>		<b>\$3,150,000</b>

\*Pipe cannot be upsized without upsizing the pipes downstream in LA. There are also hidden (uncalculated) costs associated with upsizing this pipe

Prepared by: SA Associates

## **City of Rancho Palos Verdes**

### **2013 Infrastructure Report Card**

Engineer's Opinion of Improvement Costs to Improve  
Storm Drain Infrastructure Grade Level to  
An "A" Grade (C to A)

<b>No.</b>	<b>Description &amp; Location (Drainage Area)</b>	<b>Cost</b>
1	Improvements Listed in Table Above	\$3,150,000
2	Minor CIP Improvements (i.e. minor <36" lines, culverts, etc.)	\$1,400,000
3	Video inspection of entire system and repairing defects found	\$2,000,000
4	Remaining work identified in 2004 Master Plan Update but not yet completed**	\$10,000,000
5	Miscellaneous Improvements (i.e. point repairs, etc.)	\$800,000
<b>Total</b>		<b>\$17,350,000</b>

\*\*the next Master Plan of Drainage will identify projects and costs that cannot be precisely included here

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Note: the City's 2004 Master Plan of Drainage Update and 2013 Five-Year Capital Improvement Plan was used to prepare the above estimates. Items may not exactly match the City's 2013-2014 CIP cost estimates as they have been modified based on the engineer's opinion resulting from preparing the Infrastructure Report Card and discussions with City staff.