

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)

No.	Description & Location (Drainage Area)	Cost
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
Total		\$3,150,000

*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)

No.	Description & Location (Drainage Area)	Cost
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
	Remaining work identified in 2004 Master Plan Update but not yet completed**	\$10,000,000
4	yet completed**	\$10,000,000
5	Miscellaneous Improvements (i.e. point repairs, etc.)	\$800,000
Total		\$17,350,000

**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.