

Bakersfield City School District

Horace Mann Elementary School Seismic Analysis



Cost Benefit Analysis Calculation Sheet - Summary

Building	Total	Toilet	Other	Toilet Replacement Cost	Other Replacement Cost	Total Replacement Cost	50% Threshold
1930 CR Building	15,550	918	14,632	\$624,240	\$5,516,264	\$6,140,504	\$3,070,252
1940 CR Building	7,300	0	7,300	\$0	\$2,752,100	\$2,752,100	\$1,376,050
MP Room Building	8,600	372	8,228	\$252,960	\$3,101,956	\$3,354,916	\$1,677,458

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Cost Benefit Analysis Calculation Sheet - 1930 CR Building

Category	Square Footage	Current Replacement Cost per Square Foot*	Current Replacement Cost
Toilet	918	\$ 680	\$ 624,240
Other	14,632	\$ 377	\$ 5,516,264
Total Building	15,550		\$ 6,140,504

* Based on 2018 Grant Amount (typically adjusted January of each year)

Cost Benefit Analysis:

50% of Replacement Cost:	\$ 3,070,252
Seismic Mitigation Construction Estimate (min. DSA work):	\$ -

If Mitigation Estimate exceeds 50% of CRC - funded as new construction

If Mitigation Estimate is less than 50% of CRC - funded as rehabilitation

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Cost Benefit Analysis Calculation Sheet - 1940 CR Building

Category	Square Footage	Current Replacement Cost per Square Foot*	Current Replacement Cost
Toilet	0	\$ 680	\$ -
Other	7,300	\$ 377	\$ 2,752,100
Total Building	7,300		\$ 2,752,100

* Based on 2018 Grant Amount (typically adjusted January of each year)

Cost Benefit Analysis:

50% of Replacement Cost:	\$ 1,376,050
Seismic Mitigation Construction Estimate (min. DSA work):	\$ -

If Mitigation Estimate exceeds 50% of CRC - funded as new construction

If Mitigation Estimate is less than 50% of CRC - funded as rehabilitation

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Cost Benefit Analysis Calculation Sheet - MP Room Building

Category	Square Footage	Current Replacement Cost per Square Foot*	Current Replacement Cost
Toilet	372	\$ 680	\$ 252,960
Other	8,228	\$ 377	\$ 3,101,956
Total Building	8,600		\$ 3,354,916

* Based on 2018 Grant Amount (typically adjusted January of each year)

Cost Benefit Analysis:

50% of Replacement Cost:	\$ 1,677,458
Seismic Mitigation Construction Estimate (min. DSA work):	\$ -

If Mitigation Estimate exceeds 50% of CRC - funded as new construction

If Mitigation Estimate is less than 50% of CRC - funded as rehabilitation