

TYPICAL COSTS FOR STREET IMPROVEMENTS IN THE ROADWAY

4-WAY STOP SIGN \$4,200 / INTERSECTION

Includes: Poles; stop signs; legislation; roadway markings as needed



4-WAY TRAFFIC SIGNAL \$450 - 600K / INTERSECTION

Variables impacting costs: Incorporating signaling for MUNI light rail; left-hand turn signals; proximity of power taps

Assumes: Excavation; installation of conduits, vaults, pullboxes and control boxes, poles, vehicle and pedestrian signal boxes, and signs.



BULBOUT (IN 1 DIRECTION) \$85,000/ EA

Assumes: 6' wide sidewalk extension in one direction (typical).

Includes: Demolition, new curb, new concrete sidewalk, new curb ramps, regrading, new asphalt to conform with roadway grading, relocated catch basins and water valves where necessary.



BULBOUT ('BI-DIRECTIONAL') \$90,000/ EA

Assumes: 6' wide sidewalk extension in two directions (typical)

Includes: Demolition, new curb, new concrete sidewalk, new curb ramps, regrading, new asphalt to conform with roadway grading, relocated catch basins and water valves where necessary



CONTINENTAL CROSSWALK \$6,000 / EACH OR \$24,000 / INTERSECTION

*Assumes: fresh asphalt surface for application
Includes: City standard thermoplastic striping*



RAISED CROSSWALK \$1,000 / LF

Assumes: 6' wide crosswalk raised to sidewalk height

Includes: Site preparation, raised crosswalk, ramps in roadway approaching crosswalk, re-grading and catchbasin relocation as necessary to ensure proper drainage.



CUSTOM CROSSWALK TREATMENT \$12,000 / EACH OR \$48,000 / INTERSECTION

Assumes: fresh asphalt surface for application. Local steward takes on maintenance and liability of decorative areas.

Includes: City standard thermoplastic striping



STREET REPAVING: \$150 / TON OR \$2 / SQUARE FOOT

Assumes: The existing roadway pavement ranks low on the Pavement Condition Index (PCI) and is therefore due for replacement

Includes: Grinding / Demolition of existing pavement; regrading as needed; new substrate as needed; new pavement.



STAMPED / TEXTURED ASPHALT \$25 / SQUARE FOOT

Includes: site preparation (grinding / Demolition of existing pavement); new asphalt; stamping; application of color as needed.



SHARED STREET: COSTS VARY

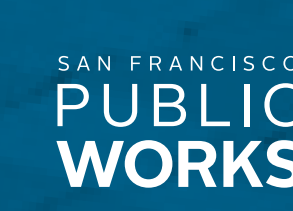
Involves: Demolition, new paving materials, regrading, new truncated domes and other ADA accommodations, relocated catch basins and water valves where necessary



Every streetscape project consists of many different components such as the ones showcased here. All the amounts shown are 'hard costs' for initial capital outlay only, and do not include 'soft costs' associated with design, engineering, and ongoing maintenance. Total "Soft costs" vary depending on the scale and size of project. Some features - such as sidewalk understory plantings, decorative crosswalks, special paving materials, and artwork in bicycle corrals - are not maintained by the City.



INFORMATIONAL BOARDS



WORKSHOP #4
DATE: FEB. 21 2017
LOCATION:
HARMONIC BREWING