
REVITALIZATION OF PACIFIC GROVE
HIGH SCHOOL BIKE RACK CAGE
EAGLE SCOUT PROJECT

Fall 2015

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Troop 90

SPECIFICS OF PROJECT (IN ORDER OF EXECUTION)

- A. Clean, stabilize and refurbish iron bike racks
 - B. Place refurbished bike racks behind the Multi Building at PGHS for temporary bike racks - while bike cage is under construction
 - C. Tear down current chainlink cage & replace with wooden fencing
 - D. Remove aged concrete and dirt & replace with paving blocks
 - E. Secure bike racks by mounting them into ground
 - F. Removal of 5 tree stumps in surrounding area
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CURRENT PGHS BIKE RACK AREA:



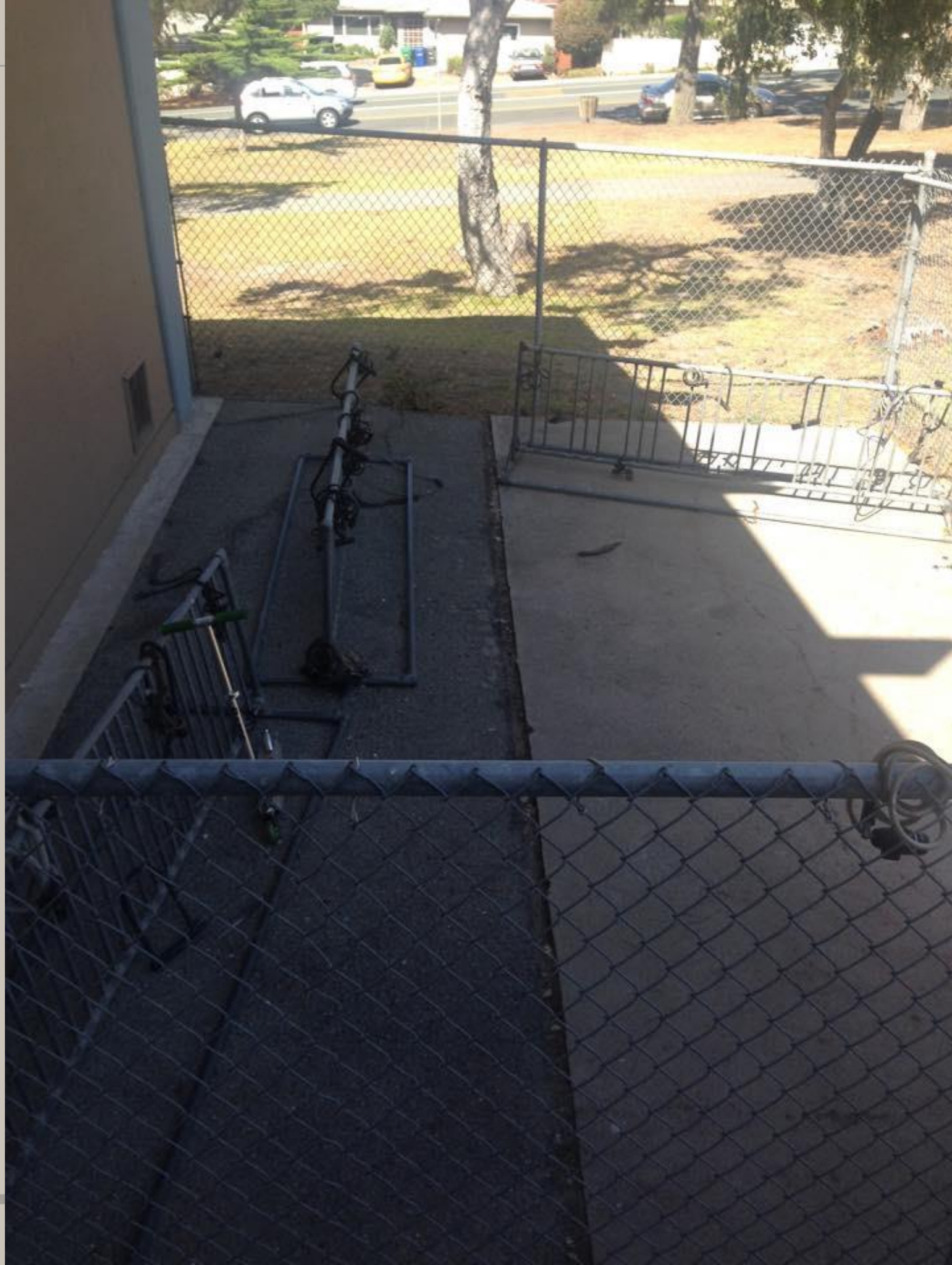


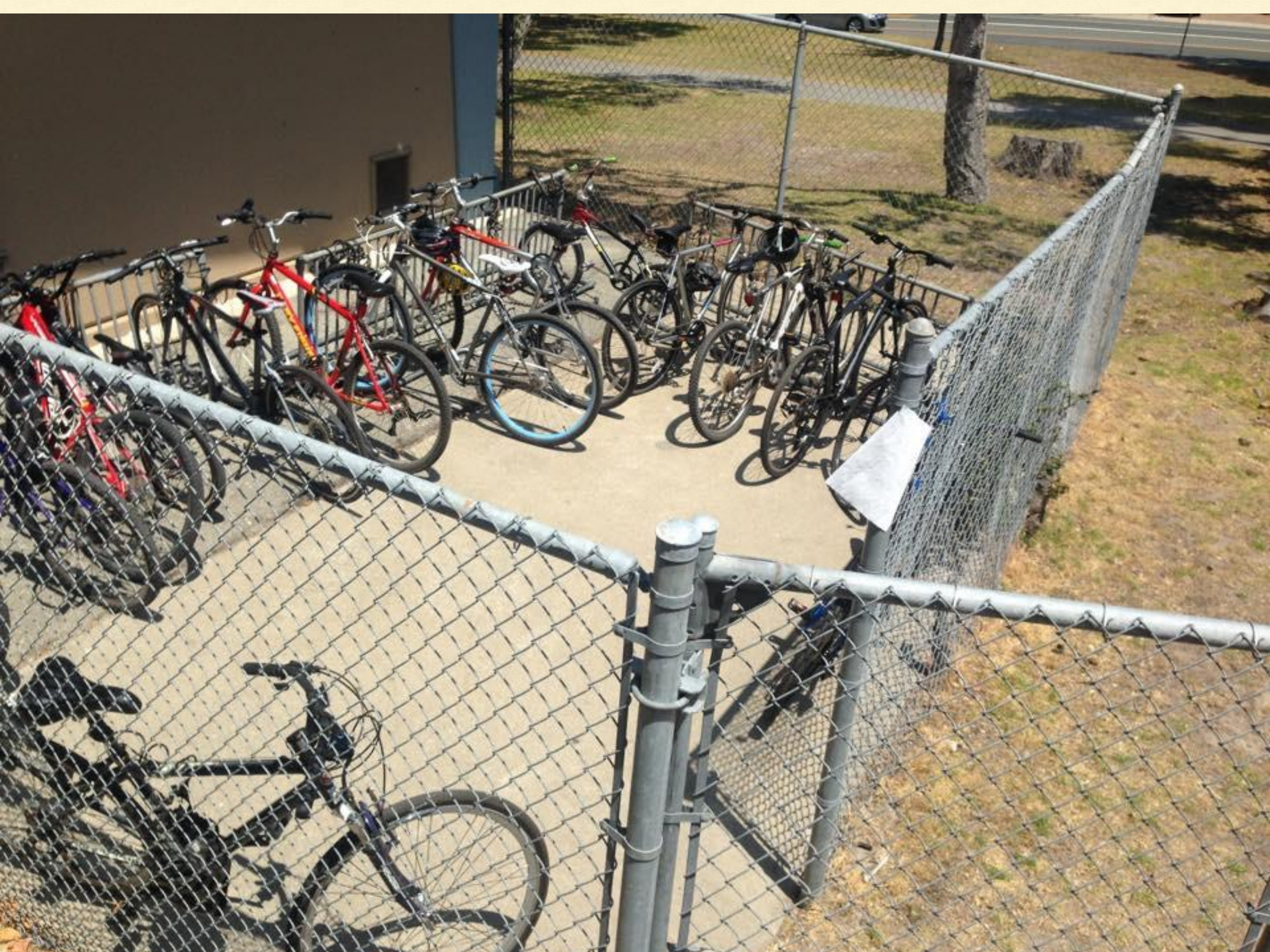




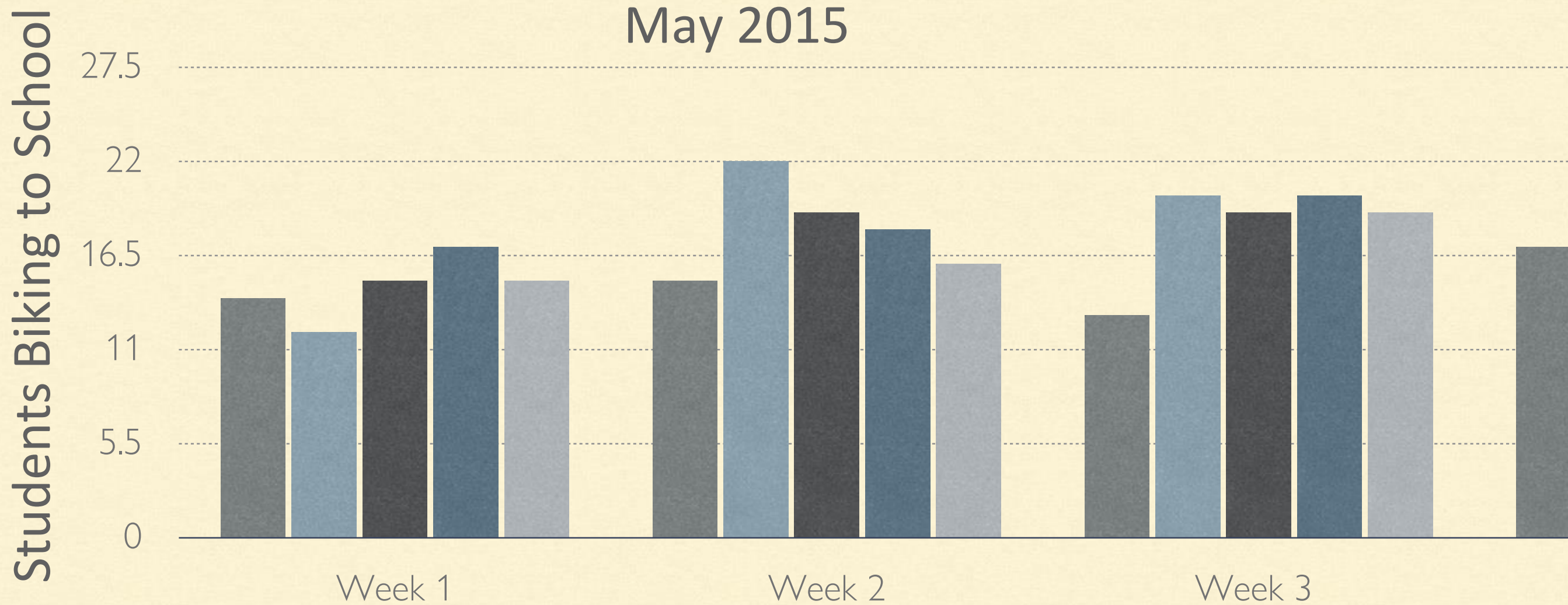








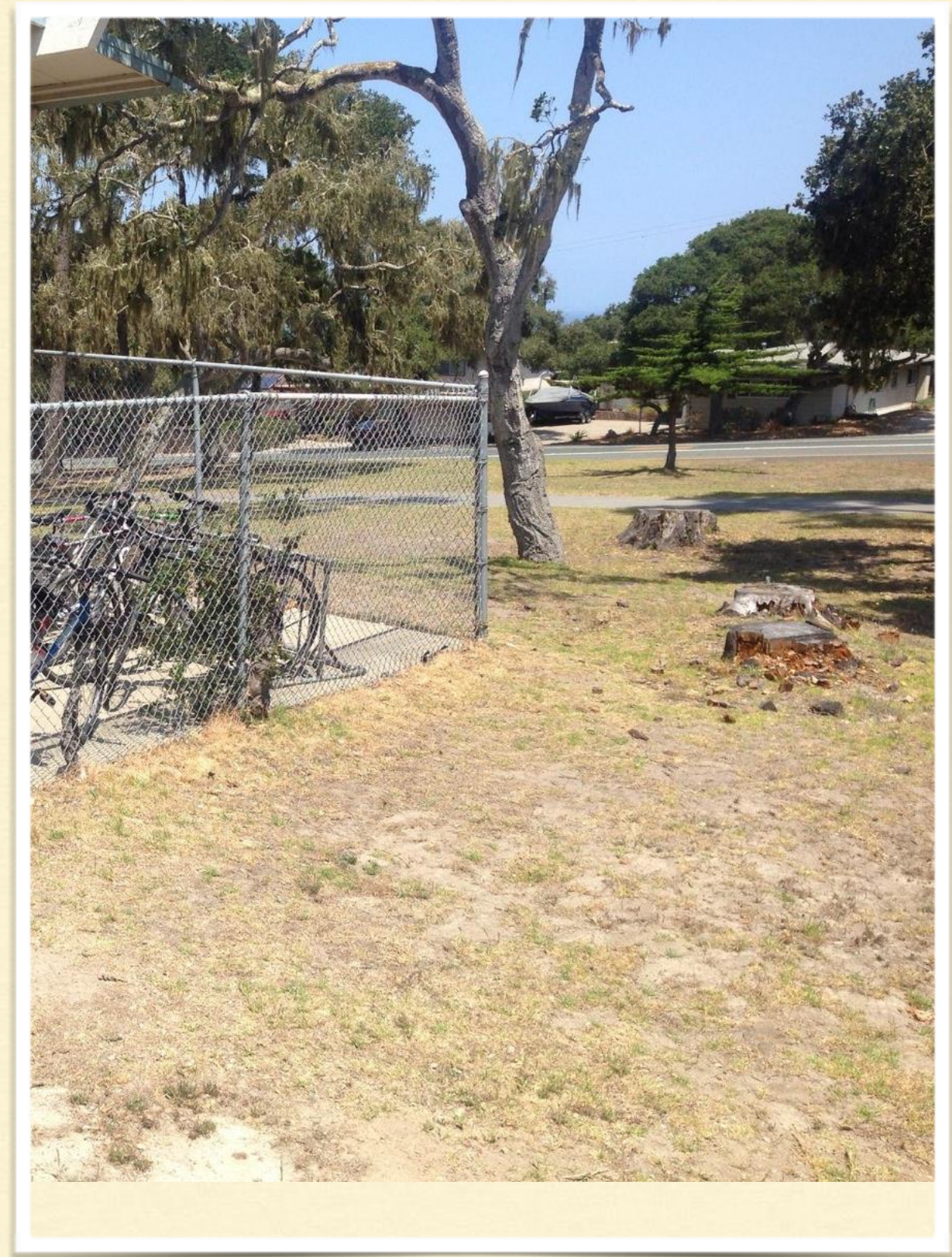
BENEFITS OF PROJECT



- Pacific Grove is a bike-friendly town. As shown by the graph above, there is substantial usage of the bike racks at PG High School

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- The PGHS bike racks have high visibility, due to their close proximity to Sunset Avenue, thus the project will improve exterior aesthetics
- The added ≈ 206 sq. ft. of the renovated bike rack cage will increase the bike storage capacity
- The revitalization of the bike racks and surrounding area will promote more students to ride their bike to school
- Added space will minimize damage to student's bikes



SCHEDULE

- Planning to start physical construction in Mid-September, 2015
 - The entirety of the project should take two weekends. The weekend of September 19-20 will be specifically dedicated to refurbishing the iron bike racks themselves. After the individual bike racks are refurbished, they will be placed behind the multi-purpose room for temporary bike use during the school week
 - The following week and weekend, September 21-27, will be dedicated to the majority of the physical labor. During the week, project preparations will be made to the site. During this weekend, work will be done to tear down the chainlink fence and replace with wooden enclosure, remove aged concrete and replace with paving blocks, mount bike racks into the ground, and remove the surrounding 5 tree stumps
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MATERIALS NEEDED

- ≈105ft lineal Wooden Fencing (3 sets of 35ft bars) - for finished bike cage
 - ≈206sq. ft Pavers - for replacement to the old asphalt
 - L Brackets - to help permanently secure bike racks to ground
 - Concrete Screws - to attach to L Brackets and concrete to fully secure the racks
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TOOLS/ SUPPLIES NEEDED

- Concrete demolition tools - Jackhammer, shovel, leveler, concrete drill bit, epoxy glue (supplied by Habitat Gardens and Miller Construction INC.)
 - Dirt excavation tools - Shovel, leveler (Supplied by above)
 - Stump removal tools - Axe, Pickaxe (Supplied by above)
 - Chainlink Fence removal tools - Wrench, fence pliers (wire grippers), lubricant (if needed) (Supplied by above)
 - Post installation tools - Post hole digger, shovel, wheelbarrow, concrete, saw (Supplied by above)
 - Safety supplies - Gloves, eye safety glasses, first aid kit
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THANK YOU FOR YOUR TIME.
