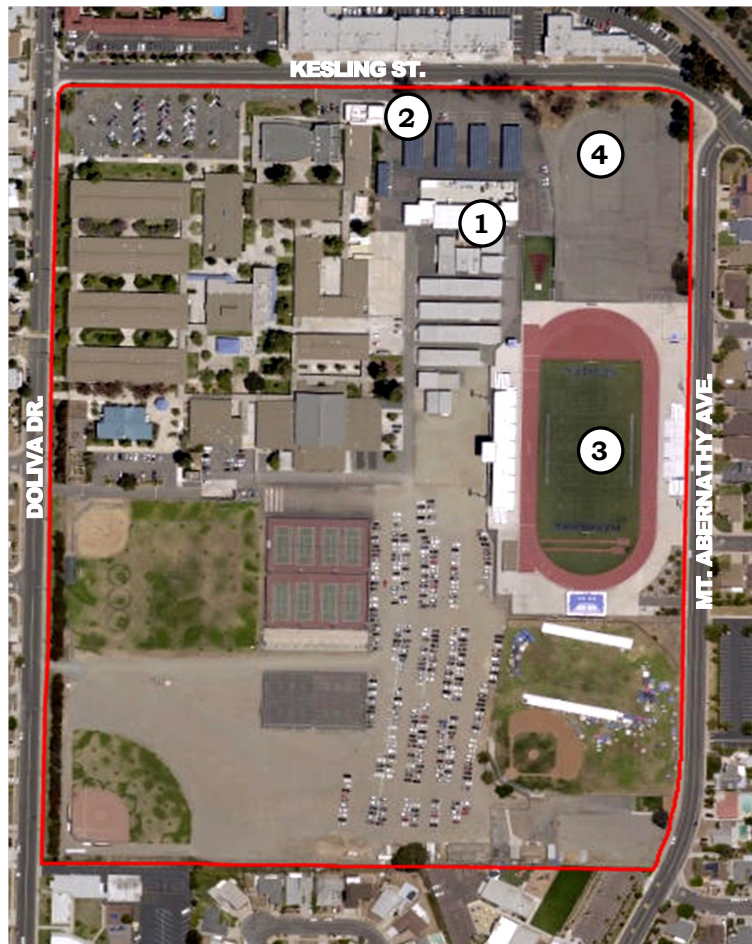




# Madison High School

4833 Doliva Dr.  
San Diego, CA 92117



Sub-district: A  
Cluster: Madison  
Year School Opened: 1962  
Grades: 9-12

- ① Automotive Technology Facility
- ② HD Broadcast Facility
- ③ Football Stadium Upgrades — New Synthetic Turf, All-weather Track, and Facilities
- ④ Solar Photovoltaic System

Madison High School is located in the Clairemont Mesa area of San Diego, north of Interstate 8 and west of Interstate 805. The Madison community is comprised of small businesses, high-density housing apartment and condominium complexes and single-family homes. In 2012, the Warhawks became first district high school to capture a state championship in football.

The nearly 50-acre site opened in 1962 and serves approximately 1,200 high school students. The campus includes 25 permanent buildings, the majority of which were built in 1963. There were 20 portables added at different times to accommodate the growing student population. In addition, solar carports, shaded lunch areas, a performing arts center, a library resource center, softball and baseball fields, and tennis courts have been added to the school. The most recent additions to the campus include an upgraded football stadium and a state-of-the-art auto shop and broadcast/multimedia studio.





# Madison HS Automotive Technology Facility







## Madison HS Automotive Technology Facility



Completed: September 2010

Funding: Proposition S and Proposition 1D

The approximately 10,000-square-foot, state-of-the-art Auto Technology Building is a College Career & Technical Education (CCTE) facility was partially funded by a California Proposition 1D grant. The project was designed with information provided by a task force comprised of members from various commercial automotive fields. This professional facility will help prepare students for work in the commercial automotive industry, enabling instruction and practice in such areas as alternative fuels, advanced transportation technologies, engine performance, steering and suspension, electrical and mechanical components and brakes.



Auto shop exterior and roll-up bay doors



## Madison HS Automotive Technology Facility



Roll-up doors and bays



Hydraulic two-post lifts



Tire changer and wheel balancer machines



Computerized wheel alignment equipment at lift bay



## Madison HS Automotive Technology Facility



General auto studies classroom

Project features include:

- Eight auto bays with roll-up doors
- Two scissor lifts with computerized wheel alignment and five two-post lifts
- State-of-the-art and professional-grade quality tools
- Two classrooms, one at each end of the facility to accommodate 36 students each, with overlook of the auto shop through plate glass windows
- 69 seat "Auto-torium" instruction area
- Industry-standard facility that supports certification by the National Automotive Technicians Education Foundation



"Auto-torium"



Computer classroom





## Madison HS HD Broadcast Facility





## Madison HS HD Broadcast Facility



Completed: May 2011

Funding: Proposition S and Proposition 1D

The 3,250-square-foot high-definition television broadcast studio was designed by industry experts and constructed using sound-insulated concrete block. This industry-standard Career, College, and Technical Education facility supports live broadcasts and webcasts and prepare students for careers in the arts, media, and entertainment industries.



## Madison HS HD Broadcast Facility

The state-of-the-art facility features:

- 900-square-foot, two-set broadcast studio
- Three professional video cameras with attached teleprompters
- Adjacent 335-square-foot, eight-workstation control room
- A 1,150-square-foot audio-visual classroom
- Three editing rooms with audio integration
- A 250-square-foot machine room with computerized processing and distribution equipment that will also act as a safe storage area

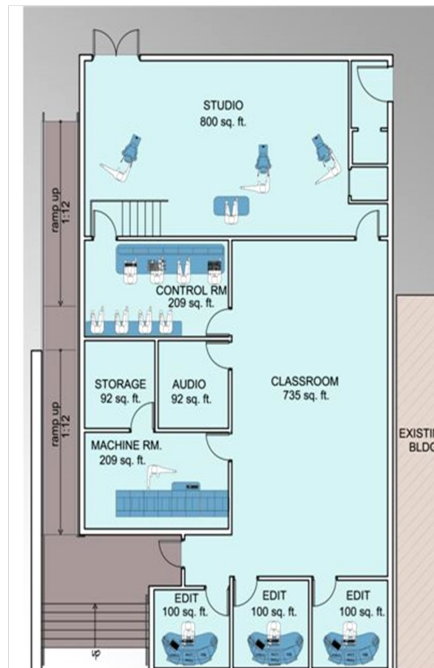


Classroom and media editing area



Control booth

# Madison HS HD Broadcast Facility



Floor plan



Studio set



"On the Air" illuminated sign





# Madison HS Football Stadium Upgrades





## Madison HS Football Stadium Upgrades

Completed: June 2011

Funding: Proposition S

The 6.43-acre project involved a renovation of the existing stadium comprising 240,650 square feet of stadium upgrades, including synthetic turf, a nine-lane all-weather track, and bleachers. In addition, 3,670 square feet of new support facilities were constructed. All stadium upgrades are compliant with the Americans with Disabilities Act.

The Madison HS stadium features:

- Accessible bleachers, with approximately 1,600 home side seating and 800 visitor's side seating
- A 2,400-square-foot common building with home and visitor's concession stands and restrooms
- Announcer's booth with elevator
- A 4,920-square-foot accessible parking lot on visitor's side
- An athletic equipment storage building, ticket booths, field lighting, public address system, and assisted listening devices





## Madison HS Football Stadium Upgrades



Press box /announcer's booth



Visitor stands and entrance



Scoreboard



Shot put area



## Madison HS Football Stadium Upgrades



Storage facility



Concessions and bathrooms facility



Ticket booth and home entrance





# Madison HS Solar Photovoltaic System



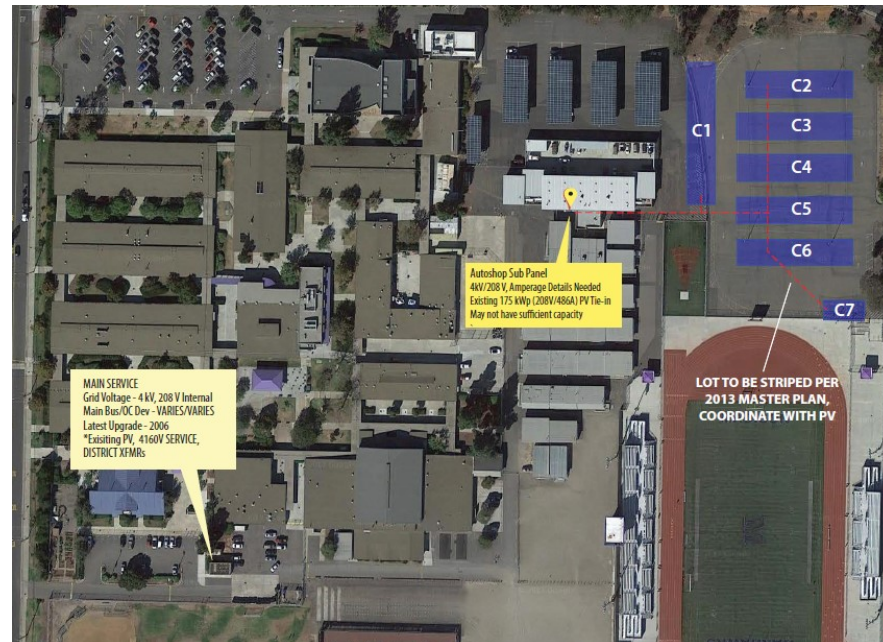
Construction Estimated Completion: October 2022

Funding: Proposition Z

A Solar Photovoltaic System was installed at Madison High School. The system for this campus will have solar panels that are mounted on tilt elevated canopies within the existing parking lots on the North end of the campus. These canopies will provide shade structures and under-mount LED lighting for parking lots. This system will create an energy-efficient and renewable power source. It will deliver a clean energy supply during both the academic year and school vacations.

All elements of installation will include, but not limited to:

- Solar PV modules
- Inverters
- All electrical connectors, cabling and components necessary for a complete solar system
- All mounting systems



Proposed canopy placement