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COMPLETE

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Page 1: Facilities Request Form

Q1 Contact Person:

Name	Glenn Thurman
Email Address	glenn.thurman@gcccd.edu

Q2 Department:

Engineering and Physical Science

Q3 Title of Request:

Improvement of Telescope Storage/Viewing Space

Q4 Location of Request:

Athletic Field Area

Q5 Description of Request:When making your request, please be as specific as possible and include information such as make, model, manufacturer, color, quantity, etc.

We need a clean, stable surface to work on, and electrical outlets to plug in the telescopes. I figure a concrete slab about 900 sq ft would do, with seven electrical outlets. The slab would cost about \$10 per sq ft (which includes labor and materials). Nine grand. Seven electrical outlets at about \$500 per (includes labor and materials) would cost about another \$3500. So let's round it up to \$13,000. I'm not a contractor; my estimate is based on internet research. There may be additional costs.

Q6 Estimated Cost:

\$13,000

Q7 Please attach quote, if available

Respondent skipped this question

Q8 Total Cost of Ownership:check all that apply

Replacement (Life Cycle)

Q9 Please explain your plan to maintain this request:

At some point there may need to be replacement wiring, but the concrete should last for at least a decade or so.

Q10 Justification of Request: Please select the applicable criteria below and provide the details how the criteria relate to your request.

Health/Safety/Security Issues,

Provided details::

The Astronomy lab takes place in a light-polluted dirt patch with a daisy chain of extension cords in a space that will now be obstructed by a huge scoreboard. In addition, all of our expensive and delicate telescopes are currently in a shed without environmental or vibration controls. This is not a good way to get students excited about a lab that should be pretty darn magical. Most colleges (including Grossmont and Mesa) have designated space for telescopes away from bright lights and in a stable area (usually on a roof) with well-designed electrical connections and storage for their telescopes that ensures they won't be damaged by weather or a large truck rolling by. We would at least like a stable work space with better electrical so that people are not tripping around the expensive equipment in the dark.
