



Legislation Details (With Text)

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| File #: | 2019-0828 | Version: | 0 | Name: | St. Michael Robotics Team First Lego League Challenge |
| Type: | MOTION | Status: | | | PLACED ON FILE |
| File created: | 10/31/2019 | In control: | | | Board of Trustees |
| On agenda: | 11/18/2019 | Final action: | | | 11/18/2019 |
| Title: | St. Michael Robotics Team First Lego League Challenge | | | | |
| Code sections: | | | | | |
| Attachments: | 1. Team 1577 Presentation, 2. Team 5784 Presentation | | | | |

| Date | Ver. | Action By | Action | Result |
|------------|------|-------------------------|---------------------|--------|
| 11/18/2019 | 0 | Board of Trustees | | |
| 11/15/2019 | 0 | Public Works Department | INTRODUCED TO BOARD | |

Title/Name/Summary
St. Michael Robotics Team First Lego League Challenge

History

The St. Michael Robotics Team is competing in the First Lego League Challenge, a competition organized by the LEGO Group and the *FIRST* Foundation. The teams are required to build and program a robot to complete challenges on a game mat as well as present a project in front of a panel of judges. This year the project theme is "City Shapers" and each team has been challenged to determine a problem with a building or open space in their community and come up with a possible solution. The two teams have identified the following projects:

Team 1577 - Andrew Site - Ideas for Reuse

Project: Contaminated soil has restricted development for this parcel.

Solution: The kids are evaluating innovative ways to clean the site with plant products and converting this site into an extension of Centennial Park. They would like this new park to include a solar farm to supplement the Villages energy use in public spaces.

Team 5784 - Schussler Park Renovation

Project: Flooding at soccer fields, soil erosion near the pond, accessibility, deteriorated surfaces on the tennis and basketball courts, dated park equipment.

Solution: The kids are looking into synthetic turf fields, and rain garden placement, naturalized plantings, and permeable surfaces, ADA accessibility to all areas of the park, and installing 100% ADA accessible park equipment.

The teams have prepared two short presentations and are looking to share their ideas with the community, and get feedback.

Financial Impact

None

Recommended Action/Motion

Presentation and discussion only