

Project Status Report: CEEEn-2018CPST-012

Report Date: 15 October 2018

Team Members: Max Barnes, Meghann Morgan, Delila Lasson, Reed Reimschuessel

Project Title: Springville Irrigation Canal Breach Mitigation

1) Summary of technical/non-technical challenges encountered

- 20 cfs canal design
- Strawberry design
- Trail and canal crosses private property

2) Team approaches & resolutions to overcome challenges

- Strawberry Design – estimate approximate elevations
- Trail and canal crosses private property – wade canal to get measurements and get estimates of measurements from internet
- 20 cfs canal design – get measurements when wading canal

3) Status of challenge resolutions & potential project impact

- Status:
Strawberry Design – obtaining elevations to determine different designs to improve water quality
Trail and canal crosses private property – finding measurements through internet and interpellation and measuring canal not on private property
20 cfs canal design – plan to get measurements when wading canal on October 10th
- Impact:
Strawberry Design – ability to create 3D model
Trail and canal crosses private property – have a good prediction of canal measurements on private property
20 cfs canal design – ability to create 3D model

4) Project status & summary

- Canal Breach Location – 2611 E 1100 S Springville, Utah 84663
- Statement of Work October 10, 2018 – completed
- Site visit planned on October 20, 2018 – plan to wade canal and measure width and depth of canal at several locations
- Canal Elevations found – GIS elevation online inaccurate and taken before pond was built, emailed Byron and obtained additional elevations
- Research to be done – email Byron to obtain Geotech reports or ask whether we can take soil samples and find estimate cfs of strawberry water