



Date: February 9, 2017

Location: Room 113- Engineering Building

Attendees: McKenzie Moten; Parker Schrandt

Minutes Recorded By: McKenzie Moten

MEETING OBJECTIVES

- Prepare Status Update #2
- Prepare for Meeting with Client
- Adjust Schedule
- Modify project according to suggestions from last status update

Site Investigation

05 minutes

- Site Visit- done
- Blue Stake- Received Results- Need to know depths from client
- Meeting with Russo- done
- Field Surveying - done

Site Map

05 minutes

- In progress
- Have Trevor finish the Topographic map in AutoCAD and distribute it to the team by Monday

Conceptual Design

20 minutes

- *Existing design analysis*
 - Consists of current utilities, materials, hydrology, dimensions, and driveway designs.
 - utilities are water, cable, gas, and electric
 - Need the depths of the utilities from the client
 - Driveways are made from gravel, asphalt, dirt, and cinders (needs to be considered when connecting the apron to Ryan's trail)
 - culverts for drainage
 - Mostly runs around site according to Parker's research
 - Dimensions- length isn't changing, depth of material is no more than 6" at any point on the road.



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- Meeting with Client

- Share with her the existing design analysis
- Share with her the potential materials

-Potential Materials

- Gravel
- Gravel and Geotextiles
- Asphalt
- Chip seal
- Concrete
- Do nothing MUST be a considered option for accurate life cycle cost analysis per TA
- Eliminate permeable surface- it is too costly
 - Get unit prices from local contractors

Establish a Code to Follow

05 minutes

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- CCO 95-01-part IV, section 1-5
 - ASTM C136

Design Process

20 minutes

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- Originally just get unit costs from local contractors
 - After completing hydrology and determining if the drainage system needs altered- then put the total costs together
 - We will do this using GIS as preferred by the client
 - We have a training coming up
 - Consider the costs of the designs and their maintenance (life cycle cost analysis)
 - Propose the final design
 - Meet with Technical Advisor about the results of the hydrology and what modifications this requires



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-Meet with the Client in regards to what this means about redesign and materials and independently and their relationship.

Future Status Updates

10 minutes

-Parker will discuss life cycle cost analysis, hydrology, 60%, and proposed alternative designs for whole project.

-Yufei will discuss the final report, the final chosen design, the cost results, and the website.

ACTION ITEMS

-*McKenzie*- Status Update/ Apply for UGRADS/ Edit 30% Report

-*Parker*- Introduction for 30% Report

-*Trevor*-Finishing the topograph/ Acknowledgements for 30% Report

-*Yufei*- Pricing Materials Locally/ Format 30% Report