

Alternative Analysis and Project Information

Alternative analysis

Four different routes were evaluated and presented at a May 30, 2018 public meeting. The project team evaluated depth of sewer, constructability, maintenance access, road crossings, traffic impacts, utility conflicts and impacts to residents, businesses and the environment. Alternative #3 proved to be the best option from a technical standpoint, as all other alternatives included significant impacts and challenges. Alternative #3 is also anticipated to be the least expensive.

Route selection and design

Once the preferred alternative was identified, the district presented its proposal to the City of Madison Parks Board on June 13 and received approval to proceed with the route through Reindahl Park. The district also received approval from the Dane County Regional Airport in July.

The field investigation included a topographic survey, wetland delineation, tree inventory, archeological survey, soil boring and environmental testing. Results of the field work have been incorporated into the design and the route has been refined. The selected route has an average depth of 30 feet, with some areas reaching 45 feet depth.

Working to minimize construction concerns-Lien Road

Existing utilities run down the center of Lien Road and the new interceptor will follow this route. Area businesses and commuters will be affected during this phase as trench depths averaging 25 feet will require a width that narrows Lien Road to one lane. The traffic control plan is being coordinated with the City of Madison and additional meetings will be held with Lien Road businesses as well as community health and safety services to plan access during construction.

East Washington Avenue

Minimal impacts are expected for East Washington Avenue. The interceptor will be installed using trenchless technology at the East Washington crossing. Bore pits will be located on each side of East Washington Avenue in Reindahl Park and Triangle Park. The pits will be sizeable but will not affect traffic on East Washington Avenue.

Reindahl Park

Reindahl Park will be temporarily affected by construction of the interceptor. The site will include excavation and backfill of an approximately 30 foot deep trench to install the pipe. After construction, the site will be restored to its previous condition.

Topsoil, seed and mulch restoration will be completed when weather permits. The district worked with an arborist and the route was modified to avoid high value trees. Any trees removed will be replaced. The district also is working with park staff members on improvements to the park as part of this project. A paved maintenance path that builds on the park's planned path is being proposed for the interceptor corridor.

Field owned by Dane County Regional Airport

A field owned by Dane County Regional Airport that is currently leased to a local farmer will undergo construction during the winter of 2019-20 to minimize disruption to the farmer. The district will bury its manholes in the field and the soil will be restored to match conditions prior to construction. The stormwater retention area near the intersection of U.S. Highway 51 and Rieder Road also will be restored to match existing conditions if affected by construction.