



Reedy River Basin Sewer Tunnel

LOCATION: Greenville, South Carolina

OWNER: Renewable Water Resources (ReWA)

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ARCHITECT OR ENGINEER: Black & Veatch,
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PROJECT PROFILE

ReWa has determined the need for additional sewer conveyance capacity through downtown Greenville, South Carolina due to the large service area of the Mauldin Road Basin coupled with the current and potential growth in this area. The selected solution is to construct 6,000 LF of 130" ID rock tunnel with 84" carrier pipe (Hobas CCFRPM Pipe) grouted in place. Tunnel depth ranges from 40 to 130 feet below ground surface, and will be mined in intact Gneiss bedrock using a double shielded rock gripper TBM manufactured by Lovsuns Canada. Tunneling requires construction of a 40 foot ID by 40 foot deep launch shaft and 30 foot ID by 130 foot deep receiving shaft. Shaft construction to consist of liner plate and rock dowels with wire mesh. Project also includes 1,600 LF of 60" and 42" upstream and downstream connecting sewers as well as several junction chambers, screening/ diversions structures, and Odor Control facilities.

In October 2017, ReWa awarded the Reedy River Basin Sewer Tunnel project, which includes the above scope, to Super Excavators / CMCRA, A Joint Venture. As of Spring 2019, project is at 20% completion, including the completion of the 60" river crossing, and work beginning on the 14' arched set starter tunnel. TBM Tunneling is scheduled to begin in Summer 2019.



TOTAL VALUE OF CONTRACT:
\$33,415,000

COMPLETION TIMELINE:
MARCH 2018 - JUNE 2020

COMPLETED AS:
JOINT VENTURE - SUPER EXCAVATORS, INC. / CMCRA