

PUBLIC WORKS AND UTILITIES COMMITTEE

10-0255R

RESOLUTION AUTHORIZING AN AGREEMENT WITH SEH, INC., TO PROVIDE INVESTIGATION, DESIGN AND CONSTRUCTION INSPECTION SERVICES FOR THE EXIGENT REPLACEMENT OF THE KEENE CREEK CULVERT UNDER CODY STREET IN THE AMOUNT OF \$182,000.

CITY PROPOSAL:

RESOLVED, that the proper city officials are hereby authorized to enter into a contract with SEH, Inc., to perform professional engineering services for investigation, hydraulic modeling, replacement design and construction inspection involving the replacement of the Keene Creek culvert under Cody Street in the amount of \$182,000, payable out of Storm Water Utility Fund 0535, Department/Agency 500, Organization 1930, Activity 2230, Object 5303, City Project No. 0895ST.

Approved:

Approved for presentation to council:

Department Director
Purchasing Agent _____

Chief Administrative Officer

Approved as to form:

Approved:

Attorney

Auditor

ENG GRM: jh 4/30/2010

STATEMENT OF PURPOSE: The city recently discovered severe progressing failure of the large diameter Keene Creek culvert under deep fill at Cody Street (old Highway 61) and 65th Avenue West. Embankment failure around the outlet caused the city to immediately close part of Cody Street and temporarily re-route traffic to the northbound lanes. The I-35 exit onto Cody Street is scheduled as a main alternative route for traffic during Mn/DOT's reconstruction of I-35 starting May 3, 2010. As such, the culvert must be replaced immediately so the road can be fully re-opened. The existing culvert is 170 feet long, eight feet in diameter, and under approximately 35 feet of fill. Keene Creek is a DNR-designated trout stream and in a FEMA regulated flood zone. Detailed hydraulic analysis and permits will be required for replacement. The design will probably incorporate a larger diameter culvert or a rectangular box culvert to meet current regulations. The installation will also need to be modified to meet current DNR trout stream regulations. Coordination with the DNR and Mn/DOT has begun, and soil borings have been authorized in order to complete failure analysis and begin replacement design as soon as possible. SEH was selected because they have extensive experience in this type of work, are currently involved with this type of hydraulic analysis in other areas of the city, and were available to begin work on this project immediately.

Total amount for services is \$182,000, payable out of Storm Water Utility Fund 0535, Department/Agency 500, Organization 1930, Activity 2330, Object 5303, City Project No. 0895ST.