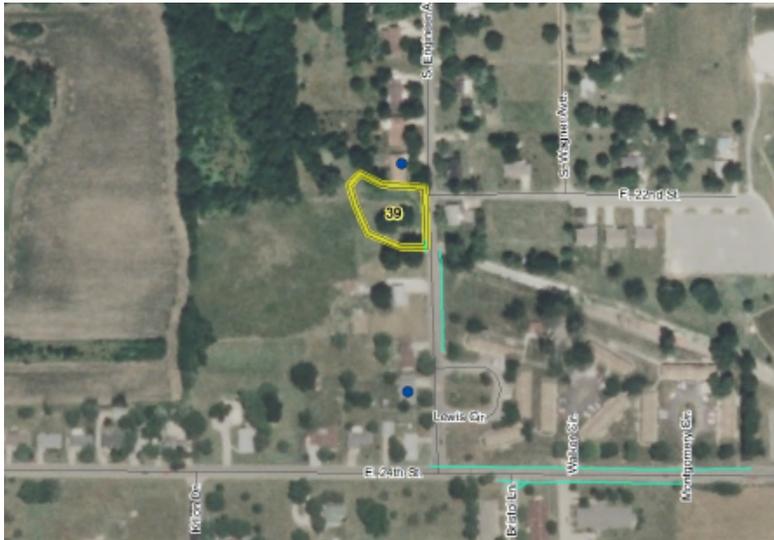


Improvement Area 39 – South Engineer Avenue and East 22nd Street



Location Map

Benefit Point Total	1
Project Cost	\$66,000
Cost/Benefit Score	66,000

Project Problem and Solution Summary

The stormwater problem in this area is located west of the intersection of South Engineer Avenue and East 24th Street. An existing open channel conveys stormwater along the north property line of 2300 South Engineer Avenue. The open channel then flows through a culvert under South Engineer Avenue and continues to the east in a concrete lined channel. The natural channel west of South Engineer Avenue is unstable and threatening the property of 2300 South Engineer Avenue. The channel has eroding banks along the north property line of 2300 South Engineer Avenue. Existing bank protection west of South Engineer Avenue has become undermined and stream erosion could threaten the road in the near future. No reported street or building flooding has been reported in the area.

The conceptual improvement for this area is to stabilize the channel from the culvert entrance on South Engineer Avenue to approximately the north property line of 2300 South Engineer Avenue. The channel stabilization should include a new wall along the channel where the existing bank protection is in place. The additional channel stabilization should include rock placement in and along the stream to stabilize and prevent it from moving in the future. The proposed wall will protect the roadway from stream erosion. For final design survey information will be needed for utility information and more detailed topographic data.

Area 39 Cost Estimate				
<u><i>Item Description</i></u>	<u><i>Quantity</i></u>	<u><i>Qty. Units</i></u>	<u><i>Unit Cost</i></u>	<u><i>Total Cost</i></u>
Channel Restoration	240	LF	\$220	\$52,800
			<i>Subtotal</i>	\$52,800
			<i>Utilities and Misc. Contingency (25%)</i>	\$13,200
			<i>Total</i>	\$66,000



Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Path: F:\PROJ\EGIS\09\0827_VIER\Master\Plan\Socialia_Base_Improvement\area4.mxd

Legend

-  Potential System Improvements
-  Stormwater Problem Areas
-  Surface Water, Ground Water and Sanitary Sewer Backup
-  Surface Flooding and Sanitary Sewer Backup
-  Ground and Surface Water Flooding
-  Surface Flooding
-  Ground Water Flooding
-  Ground Water Flooding and Sanitary Sewer Backup
-  Sanitary Sewer Backup
-  Returned Questionnaires with No Major Issues

**City of Sedalia, MO
Potential System Improvements
Project ID #39**

