APPENDIX H

WIDE HOLLOW CREEK PROFILES

Wide Hollow Creek profiles are provided that show gradient, velocities and the location of bridges. The figures also show plan views with the 100 year map extent. These figures are a tool to indicate conveyance and problem areas that can be applied for several purposes, including sediment deposition patterns and preferred road system locations. The profiles along with other tools, such as the bridge removal guidelines, and the 10 and 25 year maps will help to indicate problematic bridge locations that can be modified during bridge replacement. The problematic bridge inventory along with the current and planned road system level of service will be used to establish needs, priorities, replacement preferences and interim measures.

In some cases the sediment deposits will be due to features other than bridges, such as irrigation infrastructure, man-made modifications or natural physiological features.
Average slope 0.0057 ft/ft  
Average velocity 3.70 ft/s
Wide Hollow Creek
100 Year Flow Profile 2 of 19

Average slope 0.0044 ft/ft
Average velocity 3.526 ft/s
Wide Hollow Creek
100 Year Flow Profile 3 of 19

Average slope 0.047 ft/ft
Average velocity 4.07 ft/s
Wide Hollow Creek
100 Year Flow Profile 4 of 19

Average slope 0.005 ft/ft
Average velocity 3.355 ft/s
Average slope 0.006 ft/ft
Average velocity 4.18 ft/s
Wide Hollow Creek
100 Year Flow Profile 6 of 19

Average slope 0.007 ft/ft
Average velocity 3.996 ft/s
Wide Hollow Creek
100 Year Flow Profile 7 of 19

Average slope 0.005 ft/ft
Average velocity 3.53 ft/s

Stream Station
100 Yr Floodplain

[Map showing the location of Wide Hollow Creek and its flow profile, with key points such as S 34th Ave, S 32nd Ave, S 35th Ave, S 40th Ave, S 42nd Ave, S 44th Ave, and S 48th Ave.]
Wide Hollow Creek
100 Year Flow Profile 8 of 19

Average slope 0.005 ft/ft
Average velocity 3.226 ft/s

Stream Station
100 Yr Floodplain

APPENDIX H – WIDE HOLLOW CREEK PROFILES
Wide Hollow Creek
100 Year Flow Profile 9 of 19

Average slope 0.003 ft/ft
Average velocity 3.22 ft/s
Average slope 0.010 ft/ft
Average velocity 3.045 ft/s

Wide Hollow Creek
100 Year Flow Profile 10 of 19
Average slope 0.008 ft/ft
Average velocity 3.50 ft/s
Wide Hollow Creek
100 Year Flow Profile 12 of 19

Average slope 0.011 ft/ft
Average velocity 4.035 ft/s
Average slope 0.01 ft/ft
Average velocity 3.54 ft/s
Wide Hollow Creek
100 Year Flow Profile 14 of 19

Average slope 0.007 ft/ft
Average velocity 3.52 ft/s
Average slope 0.012 ft/ft
Average velocity 4.20 ft/s

100 Year Floodplain
Wide Hollow Creek
100 Year Flow Profile 16 of 19

Average slope 0.011 ft/ft
Average velocity 3.86 ft/s
Average slope 0.02 ft/ft
Average velocity 3.93 ft/s

Wide Hollow Creek
100 Year Flow Profile 17 of 19
Wide Hollow Creek
100 Year Flow Profile 18 of 19

Average slope 0.018 ft/ft
Average velocity 4.4 ft/s
Average slope 0.016 ft/ft
Average velocity 4.5 ft/s