



LEGEND

- BFE CONTOUR
- BANK STATIONS
- HEC-RAS CROSS SECTION LOCATIONS
- STREAM FLOWPATH
- AE
- FLOODWAY
- AO (1 FT)
- AO (2 FT)
- AO, (3 FT)
- NONE
- X
- FEMA Q3 ZONE X500
- FEMA Q3 ZONE A
- INDEX CONTOUR
- INTERMEDIATE CONTOUR
- STURGIS CORPORATE LIMITS - AUG 2006

AO ZONE INUNDATION DETERMINED BY NO-LEVEE MODEL OF BEAR BUTTE CREEK DEPTHS DETERMINED FROM LEVEE MODEL

DELIMITED AS ZONE AE FLOW PHYSICALLY COMES OUT OF BBC AT THIS POINT DURING HIGH FLOW EVENTS. NO SPLIT FLOW MODEL USED. AS FLOW PARALLELS BBC DOWN TO JUNCTION AVENUE

MODELED DISCHARGE BBC - 12,000 CFS

AE ZONE ENDS. FLOWS PAST THIS POINT SPREAD IN DIFFERENT DIRECTIONS AND ANTICIPATED FLOW DEPTHS ARE LESS THAN ONE FOOT

COOK CANYON

COOK CANYON DISCHARGES BELOW THE DIME RAILROAD AND FLOW EXPANDS AND RUNS DOWN NETWORK OF STREETS. ZONE X WAS USED TO CLASSIFY THIS FLOW. SIMILAR METHOD WAS USED IN ORIGINAL STUDY

DOLAN CREEK

DIGITAL ORTHOQUADRANGLE OBTAINED FROM THE SOUTH DAKOTA GEOLOGICAL SURVEY. PHOTO DATE: AUGUST 2004. TOPO DATE: NOVEMBER 2001.

ALL DATA SHOWN IS UTM ZONE 13, NORTH AMERICAN DATUM 1983 (NAD83). ELEVATIONS ARE REFERENCED TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29).

CORPORATE LIMITS WERE OBTAINED FROM MEADE COUNTY GIS IN AUGUST 2006. LIMITS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

FINAL SUBMITTAL

EXHIBIT 2
STURGIS, SOUTH DAKOTA (460055)
BEAR BUTTE CREEK
I-90 EXIT 32 TO
DOLAN CREEK CONFLUENCE
WORK MAP W/ DELINEATIONS
OCTOBER 2006

