

## **DRAFT LOCATION HYDRAULICS MEMORANDUM (EDIT FOR SPECIFIC PROJECT)**

### **I. PURPOSE**

The purpose of this memorandum is to address base floodplain encroachments resulting from the roadway improvements evaluated in the Project Development and Environment study. In accordance with Executive Order 11988 “Floodplain Management”, USDOT Order 5650.2, “Floodplain Management Protection”, and Federal-Aid Policy Guide 23 CFR 650A, floodplains must be protected. The intent of these regulations is to avoid or minimize highway encroachments within the 100-year (base) floodplains, and to avoid supporting land use development, which is incompatible with floodplain values.

### **II. BASE FLOODPLAIN**

The Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) for \_\_\_\_\_, community panel number \_\_\_\_\_, dated \_\_\_\_\_, indicates the entire project area is (**not**) located in the 100-year floodplain (see **Figure** \_\_\_\_\_). In addition, there are (**no**) regulated floodway(s) within the project limits. Therefore, there will be (**no**) floodplain involvement with federally defined floodplains.

However, at the local level, the project area has a defined floodplain established by the \_\_\_ Water Management District (\_\_\_WMD). No adverse impacts are anticipated to the floodplain, as required by the \_\_\_WMD permitting process. The \_\_\_WMD requires replacement of floodplain storage lost as a result of encroachments. In addition, the \_\_\_WMD and FDOT design criteria for conveyance systems (e.g. culverts) allows no significant increase in flood stages.

### **III. WATER QUALITY**

This project will have no adverse impact to the area’s water quality. Stormwater treatment of the additional impervious areas will be treated as required by the \_\_\_WMD Environmental Resource Permit (ERP).

### **IV. RISK ASSESSMENT**

There is no change in flood “Risk” or floodplain impacts associated with this project. The drainage features will be designed in accordance with the FDOT Drainage Manual, Topic No. 625-040-002.

The following floodplain statement is a slightly modified version of Statement Number \_\_\_\_\_ in the FDOT PD&E Manual, tailored for this project:

(See Part 2 Chapter 13, Figure 13-1, PD&E Manual)