

										BRIDGE NO.	

(REFERENCE)	EXISTING STRUCTURES				PROPOSED STRUCTURE
	(1)	(2)	(3)	(4)	
FOUNDATION					
OVERALL LENGTH					
SPAN LENGTH					
TYPE CONSTRUCTION					
AREA OF OPENING@D.F.					
BRIDGE WIDTH					
ELEV. LOW MEMBER					

NOTE:
 The hydraulic data is shown for informational purposes only to indicate the flood discharges and water surface elevations which may be anticipated in any given year. This data was generated using highly variable factors determined by a study of the watershed. Many judgements and assumptions are required to establish these factors. The resultant hydraulic data is sensitive to changes, particularly antecedent conditions, urbanization, channelization and land use. Users of this data are cautioned against the assumption of precision which cannot be obtained.

TERMS:
 Design Flood: Utilized to assure a desired level of hydraulic performance.
 Base Flood: Has a 1% chance of being exceeded in any given year (100 year frequency)
 Overtopping Flood: Causes flow over the highway, over a watershed divide, or thru emergency relief structures.
 Greatest Flood: The most severe that can be predicted where overtopping is not practicable.

WATER SURFACE ELEVATIONS: N.H.W. (Non-Tidal) _____ M.H.W. (Tidal) _____
 CONTROL (Non-Tidal) _____ M.L.W. (Tidal) _____

FLOOD DATA: MAX. EVENT OF RECORD DESIGN FLOOD BASE FLOOD

STAGE ELEV. NAVD (ft) _____

DISCHARGE (cfs) _____

AVERAGE VELOCITY (f/s) _____

EXCEEDANCE PROB. (%) _____

FREQUENCY (yr.) _____

SCOUR PREDICTIONS FOR PROPOSED STRUCTURE DESCRIBED ABOVE:

PIER INFORMATION	TOTAL SCOUR ELEVATION		
	LONG TERM SCOUR ELEV.	WORST CASE < 100 yr. FREQ. (yr.)	WORST CASE < 500 yr. FREQ. (yr.)
NUMBERS	SIZE AND TYPE		

OVERTOPPING or
 GREATEST FLOOD

HYDRAULIC RECOMMENDATIONS

1. BEGIN BRIDGE STATION _____ END BRIDGE STATION _____ SKEW ANGLE _____

2. CLEARANCE PROVIDED: NAV: HORIZ. _____ VERT. _____ ABOVE EL. _____ DRIFT: HORIZ. _____ VERT. _____ ABOVE EL. _____

3. MINIMUM CLEARANCE: NAV: HORIZ. _____ VERT. _____ ABOVE EL. _____ DRIFT: HORIZ. _____ VERT. _____ ABOVE EL. _____

4. ABUTMENTS: _____ BEGIN BRIDGE _____ END BRIDGE _____

RUBBLE GRADE: _____

SLOPE: _____

BURIED OR NON-BURIED HORIZ. TOE: _____

TOE HORIZ. DISTANCE: _____

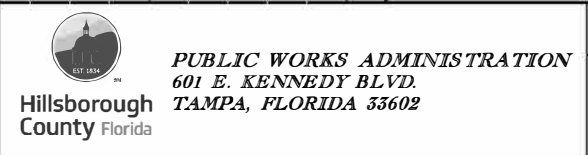
LIMIT OF PROTECTION: _____

5. DECK DRAINAGE: _____

REMARKS: _____

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LUCAS SKYWALKER, P.E.
 P.E. LICENSE NUMBER 00001
 L. SKYWALKER COMPANY
 601 E. KENNEDY BOULEVARD
 TAMPA, FL 33602



PROJECT NAME
BRIDGE HYDRAULIC RECOMMENDATIONS

CIP NO. 12345678
 SHT. NO. 1234

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.