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

HYDRAULIC DESIGN DATA

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	☐ OVERTOPPING or ☐ GREATEST FLOOD
STAGE ELEV. NAVD (ft)				
DISCHARGE (cfs)				
AVERAGE VELOCITY (f/s)				
EXCEEDANCE PROB. (%)				
FREQUENCY (yr.)				

SCOUR PREDICTIONS FOR PROPOSED STRUCTURE DESCRIBED ABOVE:

TOTAL SCOUR ELEVATION _____

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

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: _____

BRIDGE NO.

REVISIONS DATE	DESCRIPTION	DATE	DESCRIPTION

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

Hillsborough County Florida

PUBLIC WORKS ADMINISTRATION
601 E. KENNEDY BLVD.
TAMPA, FLORIDA 33602

PROJECT NAME	CIP NO.	SHT. NO.
BRIDGE HYDRAULIC RECOMMENDATIONS	12345678	1234

2/2/2023 9:00:00 AM

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