

MASSDOT BANKFULL FIELD MEASUREMENT FORM (REVISED 7/15/2025)

BACKGROUND

PROJECT ID	TOWN/CITY	BRIDGE / CULVERT ID
ROAD NAME	STREAM NAME	STRUCTURE LOCATION
OBSERVATION DATE / TIME		OBSERVER / COMPANY

DESKTOP BANKFULL ESTIMATE FROM STREAMSTATS

WIDTH (FEET)	DEPTH (FEET)	DRAINAGE AREA (SQUARE MILES)
CROSS SECTIONAL AREA (SQUARE FEET)		FLOW (CFS)
EXISTING STRUCTURE MEASUREMENTS (HYDRAULIC OPENING AT BANKFULL)	BRIDGE	CULVERT
WIDTH (FEET)	EFFECTIVE WIDTH (FEET)	HEIGHT (FEET)

BANKFULL MEASUREMENTS (FEET)

ID	WIDTH	DEPTH	UPSTREAM	DOWNSTREAM	NOTES (LOCATION, MEASUREMENT QUALITY, BANKFULL INDICATORS, PHOTO)
1					
2					
3					
4					
5					
6					

RECOMMENDED DESIGN BANKFULL WIDTH (FEET)

BANKFULL WIDTH RATIO (RELATIVE TO EXISTING STRUCTURE WIDTH)

1.2 x DESIGN BANKFULL WIDTH (FEET)

MEASUREMENT METHOD	Laser range finder	Tape measure	Survey
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NOTES
LOCATION: Mark on map, distance from structure, GPS coordinates, closest wetland flag.
MEASUREMENT QUALITY: Good, constrained, over-wide, other.
BANKFULL INDICATORS: Sediment deposits, shelf next to channel, large trees, small trees and shrubs, point bar, other.
PHOTO: Photo at measurement location?

MAP

PHOTOS