

SURVEY INDEX

Warren County
Project Number: BRF-065-3(87)--38-91
Location: Stream 0.2 mi N of Co Rd G24 (NB)
PIN: 22-91-065-010
Type of Work: Bridge
Project Directory: 9106501022

Survey Personnel

Jason Arn – Survey Party Chief
Clayton Henningsen – Survey Party Chief

Date(s) of Survey

Begin Date 10/19/2023
End Date 02/03/2024

General Information

This survey is for US Hwy 65 northbound bridge 0.2 mi north of county road G24. This survey request was for the US Hwy 65 corridor only. This project is a Full Field DTM survey.

Utility Information

For logging data and other utility details see Utility Survey and Ownership Report in the Utility folder of the PrelimSurvey project directory.

Project Control

Coordinates were determined for primary project control points by conducting concurrent six-hour static observations. Post processing is constrained to nearby Iowa Real Time Network reference stations. For additional details of the control survey, contact the Preliminary Survey department.

PROJECT DATUM: NAD83(2011) for EPOCH 2010.00 (IaRTN 2019 ADJUSTMENT)
COORDINATE SYSTEM: IOWA REGIONAL COORDINATE SYSTEM ZONE 08
(U.S. SURVEY FOOT)
VERTICAL DATUM: NAVD88
GEOID MODEL: 2018u3

Alignment Information

Alignment was created by the District 1 Land Survey Office.

District 1 Notes:

The horizontal alignment for US 65/69 is a retrace of PCC Paving Plan FN-69-3(8)—21-91. Stationing was held at PI STA 822+67.40 (FN-69-3(8)—21-91) and was run ahead to PI STA 898+10.20 (FN-69-3(8)—21-91) with three (3) equation stations.

Begin Project

PI STA 822+67.40 (FN-69-3(8)—21-91) = PI STA 822+67.40 (this survey)
(#8000) also is NE COR 36-77-24 Found PK Nail in centerline of asphalt northbound lane US 65/69.

Equation PC STA 841+48.56 (FN-69-3(8)—21-91) = PC STA 841+48.56 (this survey)
(#3504) Computed Point – nothing found or set.

PI STA 847+12.79 (FN-69-3(8)—21-91) = PI STA 847+12.79 (this survey)
(#3500) Computed Point – nothing found or set.

PI STA 858+40.76 (FN-69-3(8)—21-91) = PI STA 858+40.85 (this survey)
(#3501) Computed Point – nothing found or set.

EQUATION PT STA 864+04.50 (FN-69-3(8)—21-91) = PT STA 864+04.67 (this survey)
(#3502) Computed Point – nothing found or set.

EQUATION 74-foot offset PT 864+04.50 (FN-69-3(8)—21-91) = 74-foot offset PT
864+04.67 (this survey)
(#3503) Computed Point – nothing found or set.

PI STA 898+10.20 (FN-69-3(8)—21-91) = PI STA 898+10.12 (this survey)
(#3000) Set Bridge Spike in asphalt patch best fit from ties.
END PROJECT