

Bridge Design Speed Investigation

Bridge #60 on SR 1240 (Fish Hatchery Road) over Russell Creek
Burke County



Document Prepared By:

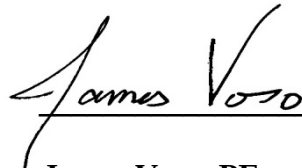
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Commission No: 3350

July 22, 2013



Investigating Engineer


James Voso, PE

Bridge and Approach Investigation Checklist

Project 17BP.13.PE.1
Description Replace Bridge #60 on SR 1240 (Fish Hatchery Road) over Russell Creek
Route SR 1240 (Fish Hatchery Road)
Division 13
County Burke

Existing Speed Limit 55 mph ☐ Posted ☒ Statutory

Reasonable & Comfortable
Passenger Car Speed 50 mph

Speed Data N/A

Ball Bank Speed Study Curve north of Bridge #60 had a ball bank indication of 10 at 30 mph.

Warning Signs at Bridge 4 Bridge End Delineators, Weight Limit not posted, Narrow Bridge warning sign

Roadside Development Residence in southeast quadrant of bridge. Farm land in all other quadrants of bridge.

ADT History 190 (2000)

Pedestrian/Bicycle Traffic Low

Bridge and Approach
Digital Photos (attached)

Approach Lane Width 9'

Approach Shoulder Width: 7'
Shoulder Type grass

Lane Width (existing bridge) 8'

Shoulder width (existing bridge) 2'

Strategic Corridor / Thoroughfare
Designation and Recommended
Cross Section Not a Strategic Corridor/Thoroughfare. Two lane cross section at 50 mph based on 3R guidelines.

Crash History and
Safety Considerations No crashes reported near bridge (5/1/2003 - 4/30/2013, 10 years).

Comments Bridge number posted on bridge. Curves located near bridge do not affect travel speed across bridge due to proximity of bridge to curves.

Reasonable Bridge Speed 50 mph

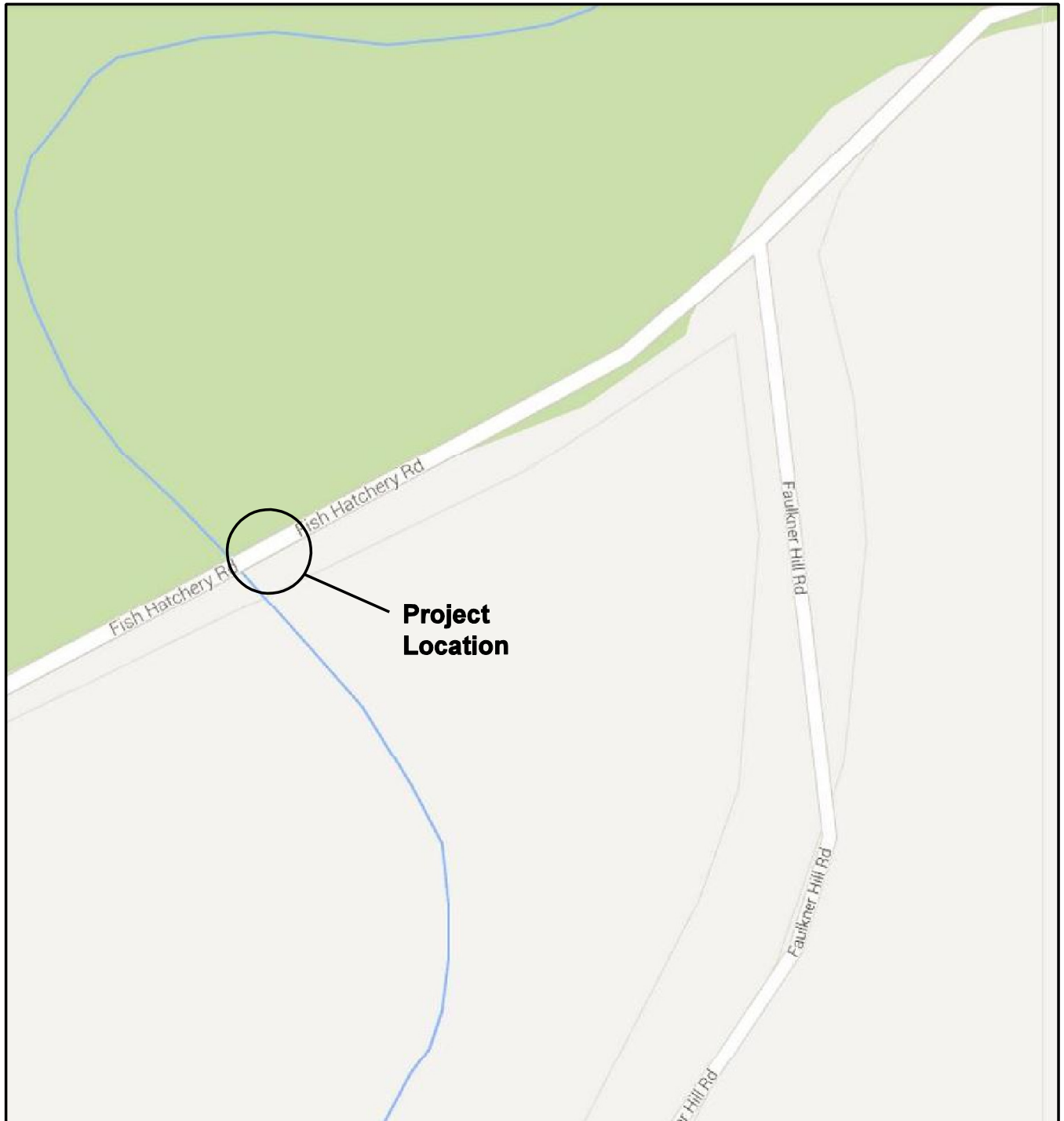
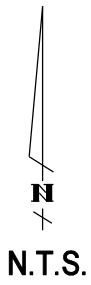
Investigated by: Mathew Bolden

Reviewed by: James Voso

Bridge #60

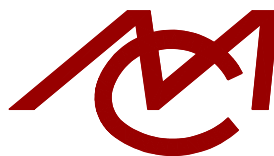
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VICINITY MAP

Bridge #60 on SR 1240
(Fish Hatchery Road)
over Russell Creek



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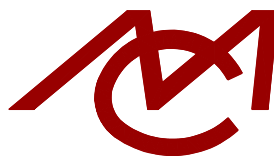


Northbound Approach



Northbound Approach at bridge

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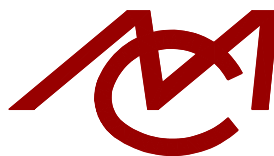


Southbound Approach



Southbound Approach at bridge

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