

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
FIELD SCOPING MEETING WORKSHEET
Design Build Process

TIP: **B-5993** WBS: **48148.1.1** Field Scoping Meeting Date: **July 13, 2018**
Division: **6** Location: **On-site**
Route (US/NC/SR): **Louise Street** County: **Cumberland**
Project Description: **Structure 250211 over Beaver Creek on Louise Street**
Tier: **SubRegional** Funding: **Federal**
Municipality: **City of Fayetteville**

Attendees

	Name	Phone	E-mail
Division Bridge Program Manager	Christy Huff, PE	910-364-0682	chuff@ncdot.gov
Division Environmental Officer	Jim Rerko	910-364-0834	jjrerko@ncdot.gov
Division Environmental Specialist	Greg Price	910-364-0835	gwprice2@ncdot.gov
Division 6	Rick Bounds		Rbounds@ncdot.gov
Division Maintenance Engineer	Drew Cox	910-364-0670	hlcox@ncdot.gov
Division Utility Engineer	Rick Handlin	910-364-0603	rhandlin@ncdot.gov
Division Utility Coordinator	Randy Rogers	910-364-0840	rdrogers4@ncdot.gov
PPU	Pam Williams	919-707-6608	prwilliams@ncdot.gov
PPU	Jess Earley, PE	919-707-6606	jsearley@ncdot.gov
Hydraulics Engineer	Jon Moore	919-707-6738	jmoore6@ncdot.gov
Hydraulics Engineer	David Holmes	919-707-6715	dkholmes@ncdot.gov
Right of Way	John Tate	910-364-0605	jtate@ncdot.gov
City of Fayetteville	Kecia Parker		kparker@ci.fay.nc.us
City of Fayetteville	Giselle Rodriguez		grodriguez@ci.fay.nc.us
City of Fayetteville	Jeff Riddle		jriddle@ci.fay.nc.us
PWC	Eric Hargraves	910-263-4987	eric.hargraves@faypwc.com
PWC	Keith Reid	910-223-4523	keith.reid@faypwc.com
PWC	Kevin Howell	910-223-4511	kevin.howell@faypwc.com
PWC	John Allen	910-223-4734	john.allen@faypwc.com
Aqua America	Scott McMaster		samcmaster@aquaamerica.com

Existing Features

Feature Bridged: Structure **250211 over Beaver Creek on Louise Street**

Ex. Bridge Clear Deck Width: **29.5 (Ft.)**

Roadway width: **22 (Ft.)**

(Bridge / Culvert) Length: **91 (Ft.)**

Deck Width (Out To Out): **31 (Ft.)**

Water Depth: **2 (Ft.)**

Height Bed-To-Crown: **13 (Ft.)**

Year Built: **1966**

Posted: **SV 17 (closed)**

TTST: **21 (closed)**

Superstructure: **Prestressed
Concrete Channels STD BMD-
13 & BMD-13-1**

Abutment: **EBTs & BTs PPC
Camps/Timber piles @5'8"
Centers**

Pier Type: **1 @ 30'-8", 1 @ 30'-
1", 1 @ 30'-9"**

Temp. Shored: **Yes**

Historic High Water (Elev. To The Existing Structure): **(Ft)**

PRI: **35.278**

DP: **6**

SR: **49.83**

School Bus crossings per day: **Zero, bridge
currently closed**

Posted Speed Limit Vicinity: **25 (mph)**

Detour

Off-Site ☒

Stage Construction ☐

New Alignment ☐

On-site ☐

If Off-Site, Description Of Detour Route: **Detour Louise Street via US 401 - SR 1400 - Pritchett Road -
Timberland Drive - Louise Circle - Louise Street**

Approximate Length Of Detour? **3.6 miles**

Improvements Needed To Road(s) On Detour? **No**

Div. Traffic Eng. Recommend Off-site detour signing? **Use existing signage City has for detour route;
use our barricades at bridge.**

Improvements Needed To Bridges On Detour? **N/A**

Are future plans for upgrading this roadway either at or in the vicinity of this project? **Add sidewalks
on both sides of bridge**

Are Bridges On Detour Currently Programmed? **No**

Are There EMS Or Business Access Issues? **No—currently closed**

Are There Any Railroad Crossings On Detour? **No**

Should Work Zone Pedestrian Access Be Maintained During Construction? **Discussed to bus
pedestrians. Safety issues of people walking through construction site, and staged construction
would take longer**

Overhead Utility Lines

In Conflict **Yes, anticipating going underground during construction**

Power Transmission Lines

In Conflict

Telephone

In Conflict **Yes, attached to utility lines**

Cable Lines

In Conflict **Yes, attached to utility lines**

Fiber Optic

In Conflict

Water

In Conflict **Yes, northside of bridge. Aqua @ intersection on west side.
PWC wants the relocation of water lines put into the contract. As-builts provided for water and sewer.**

Sewer

In Conflict **Yes, east side 60ft from end of bridge (crosses road), 36" gravity**

Natural Gas

In Conflict **Yes, City will have gas company look at site**

Other

In Conflict **Yes, lights on electric pole**

Is There Any Future Utility Construction Anticipated In The Project Area: **No**

Is A FEMA Buy-Out Property Being Impacted: **Yes, first two properties west of bridge, DO NOT impact FEMA properties**

Environmental

Wetlands At Site: **Yes (NE & SW quads)** Comments:

Endangered Species In County: Cape Fear Shiner, Red-Cockaded Woodpecker, Saint Francis' Satyr Butterfly, Michaux's Sumac, Pondberry, Rough-Leaved Loosestrife

T&E species effect: Cape Fear Shiner—**No effect**, Red-Cockaded Woodpecker—**No effect**

Trout County: **No**

TVA County: **No**

CAMA County: **No**

Primary Nursery Area: **No**

Moratoria: **None**

Which species:

Duration:

Permits discussion:

Water Quality Classification: **Class C**

303d: **No**

Coast Guard Permit?

Drainage Basin: Cape Fear

Riparian Buffer Rules: **N/A**

Is The Project Site In Or Near Any Of The Following:

National Forest: **No**

Wildlife Refuge: **No**

State, County, Or Local Park: **No**

Wild and Scenic River: **No**

Airport: **No**

Recreation or Power Generation: **No**

Water Supply Reservoir: **No**

Nutrient Sensitive Waters: **No**

Public Use Boat Ramp: **No**

Cemeteries: **No**

VAD/Farmland Protection: **No**

Game Lands: **No**

Known Or Potential Historic Properties In The Area:

Architecture: No

Archaeology: No

Is The Bridge Structure Itself, Or Any Part Thereof, Considered Historic: **No**

Impacts to a Church, Community Center, Or Other Public Facility? **School, Pedestrian issue**

Is this a Statewide Bicycle Route or a Local n-Marked Bicycle Route: **No state bike route, City said no bike accommodations**

Comments:

Geotechnical

Are There Any Historical and/or Vibration Sensitive Structures Near By? -----

Comments:

Are There Any Known Landfills and/or Geo-environmental Hazard Sites at/or Within Close Proximity To The Project Site? -----

Comments:

Are Any Impacts Anticipated To Natural Springs Or Artesian Wells? -----

Comments:

Possible Foundation Type:

End Bents:

Interior Bents:

Hydraulics

FEMA Approval? **Yes** (MOA)

Limited detail study

Is There Unusual Scour Potential? **No**

Is Protection Needed? **STD**

Are Banks Stable? **Yes**

Is Protection Needed? **STD**

Appreciable Amount Of Large Debris? **Moderate**

Placement Of Bents In The Water Be Allowed: **Yes**

Where: **Not within 5ft of bank**

Structure Type: **Bridge**

If Bridge: **CS**

If girder; why?

Length Of Structure: **100ft**

Min. Number Of Spans: **2**

Span Arrangement: **50-50**

Waive offset: **No**

EB Cap: **2'-6"**

Skewed: **90°**

Items To Be Discussed / Resolved At FSM By Attendees

Off-Site ☒

Stage Construction ☐

New Alignment ☐

On-site ☐

Clear roadway width:

Temp. Signals:

Alignment: N, E, W, S

Clear roadway width:

one lane w/ signals:

or two lanes CRW:

Alignment: N, E, W, S

Environmental Document Prepared by **DEO**:

CE (federal) ☒

Minimum Criteria Checklist (state) ☐

ADT: **2400 (per SIR)**

NHS: 0

Tier: SubRegional

Func. Class: Local

Bridge Min. Clear Deck Width Recommended by Div.: **39ft**

Roadway lane width: **11** ' with **2'6"** Curb & Gutter with **5'** Sidewalks extending **50'** from end of bridge (all quadrants)

Extension of Paved shoulders: **N/A**

Pave to face of guardrail and taper 8:1 to travel lane/paved shoulder? **N/A**

Min. Pavement Surface Course: **3"**

Existing Roadway:

Pavement Marking: **Thermoplastic**

Pavement Markers: **Raised**

Will Railroad Involvement Be Required: **No**

Method of Clearing: **Type II Modified**

Truck Percentage: **2% TTST, 4% Duals**

Reasonable Safe Speed per SIR: **25 mph (from speed study)**

Liquidated damages: will be imposed after **120** days of closure/construction. Amt: **\$ 500** per day

CEI by? **NCDOT**

R/W by? **NCDOT**

R/W monuments? **Pin & Caps**

Salvageable materials: **No**

Contact Person/number:

Deliver to:

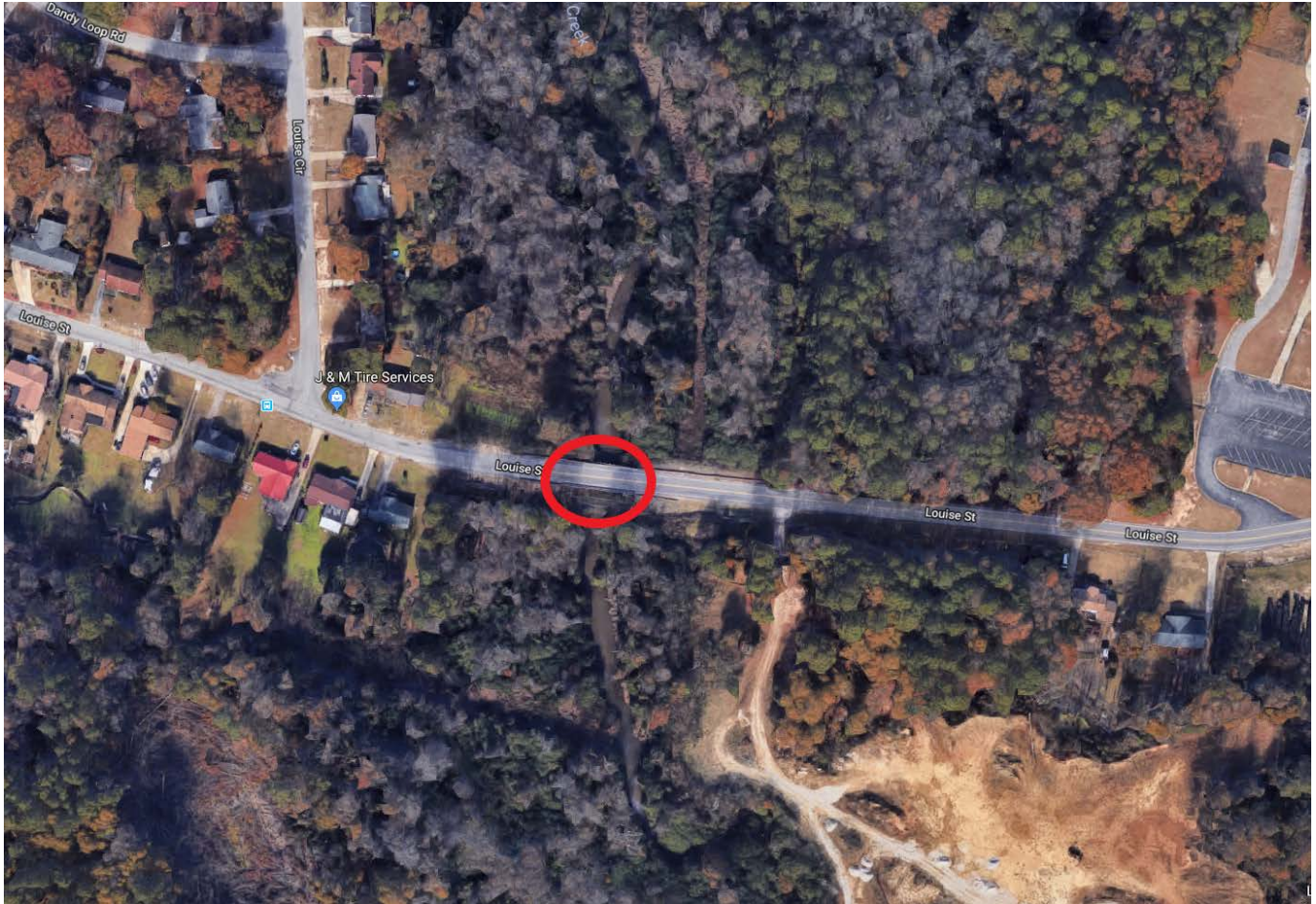
Removal of previous structure remnant abutments/piers: **Remove what is there**

Sequencing priority in construction? **None (only one bridge)**

Comments: **Do not remove bridge until start of construction**

Design Build to work through NCDOT R/W Unit

City of Fayetteville will run special bus for pedestrians (safety concerns walking through construction area)



FEMA Buyout Project - Hollywood Heights Subdivision
This map was prepared by the Real Estate Division

