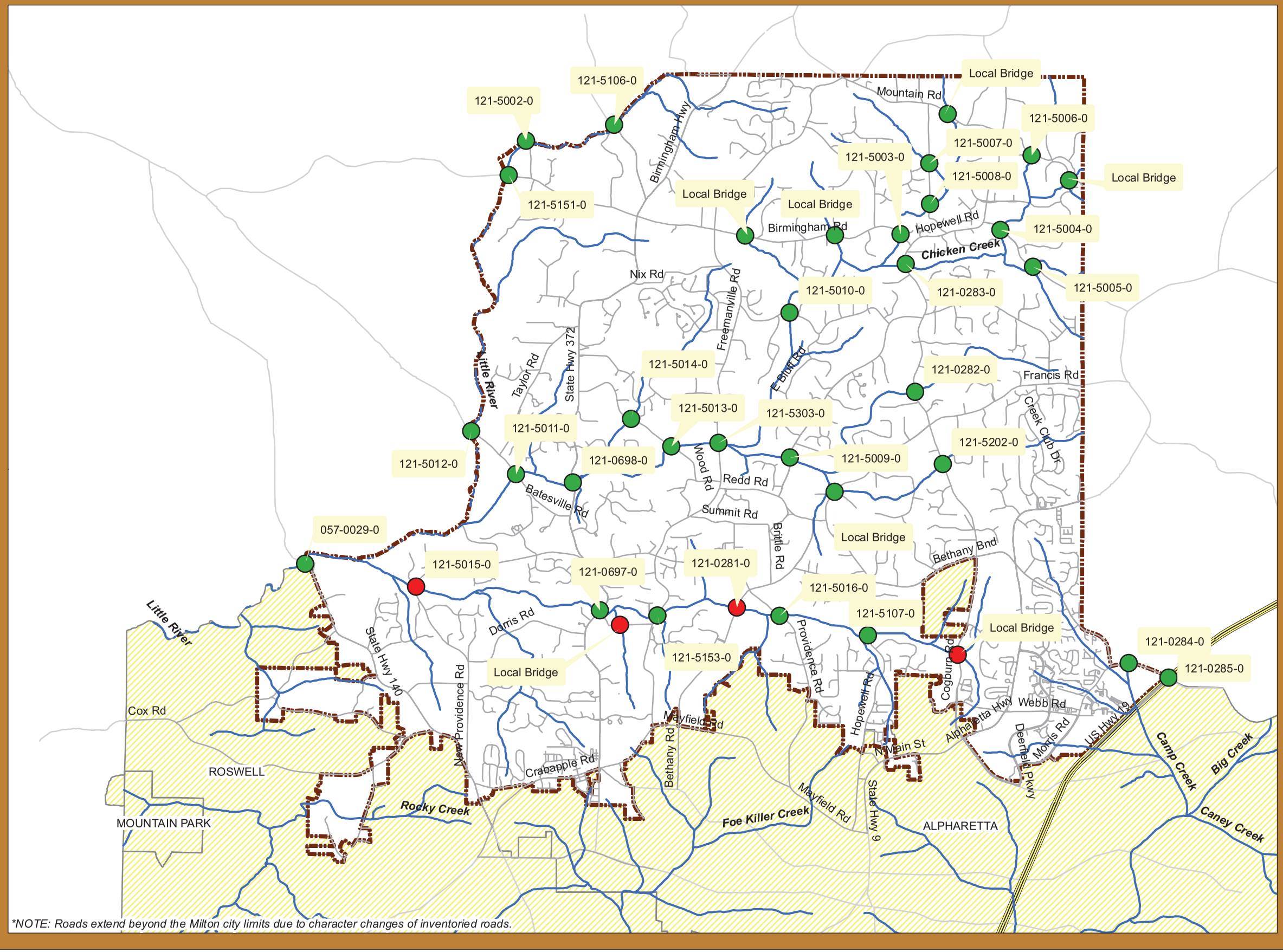
APPENDIX B

Results from the City of Milton Bridge Audit

(Performed by others)

City of Milton Transportation Plan



*NOTE: Roads extend beyond the Milton city limits due to character changes of inventoried roads.

Appendix B
Bridge Improvements

Legend

Bridge Locations

- High Prioirty Repair Projects
- Other Existing Bridges
- Rivers
- Expressways
- City of Milton
- Other Streets
- Other Fulton County Cities

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0 0.25 0.5 1 1.5 Miles

Prepared by: Kimley-Horn and Associates, Inc.

Date: November 1, 2009

Source: City of Milton

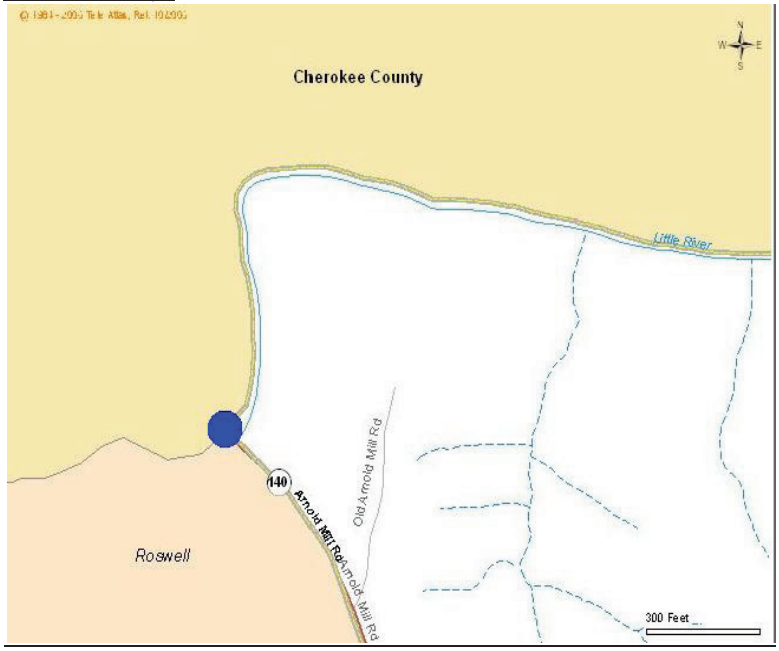
Bridge Audit Results Provided by the City of Milton as of October 21, 2009

BridgeID	Road Name	Feature	Between	And	Structure Type	Year Built	Length	Width	Span	Deck	Superstructure	Substructure	Vehicle Protection	Paint System	Date of Inspection	Sufficiency Rating	Bus Route	Utilities	Posted Load Limits	Narrative Description	Recommended Repairs	Estimated Cost for Repairs	Repair/ Replacement Priority
057-0029-0	Arnold Mill Rd (SR 140)	Little River	Old Arnold Mill Rd	Hickory Flat Hwy	Simply Supported	1952	284 FT	32.1 FT	5 Spans	Cast-in-place Concrete	5 - Steel Girders	Concrete Cap and Column	Concrete Railing	Lead Chromat	6/2/2008	39.45	NO	Gas	NO	This state-owned structure is located on the Fulton-Cherokee County line.	N/A	N/A	GDOT Maintenance
121-0281-0	Bethany Rd (CS 1324)	Cooper Sandy Creek	Sulky Way	Providence Rd	Precast Concrete	1951	60 FT	24.1 FT	2 Spans	Precast Panels	7 - Double Tee Precast Panels	Steel/Timber Pile Bents	W-beam Guardrail	None	1/13/2009	27.7	YES	Gas and Telephone	NO	This structure is in poor condition with corrosion of the steel substructure components. Spalls on the bottom of the beams have exposed portions of the reinforcement steel.	The steel piles in the stream	$ 25,000	HIgh
121-0282-0	Hopewell Rd (CR 1323)	Chicken Creek Tributary	N Field Pass	Champions Close	Concrete Box Culvert	1995	27 FT		2 Spans	N/A	Double 8 FT x 8 FT Box Culvert	N/A	None	N/A	11/19/2008	99.07	YES	N/A	NO	The bridge culvert is in good condition but has approximately 0.5 feet of scour damage at the inlet end of barrels #2 and #3.	Scour damage should be	$ -	Low
121-0283-0	Hopewell Rd (CR 1323)	Chicken Creek	Kings Country Ct	Fossil Trce	Simply Supported	1948	41 FT	27.7 FT	1 Span	Cast-in-place Concrete	Steel Beams	Masonry Gravity Wall	Concrete Railing	Lead Chromat	11/19/2008	59.75	YES	Gas and Water	YES	This structure is posted for 20 Tons H-Truck; 19 Tons Type 3 Truck and 28 Tons Timber Truck. This structure is posted due to overstress caused by the extra dead load of the 4.5	The beams throughout the	$ 10,000	Medium
121-0284-0	McGinnis Ferry Rd (CR	Camp Creek Tributary	Bethany Rd	Whittington Way	Precast Concrete	1954	60 FT	24.2 FT	2 Spans	Precast Panels	8 - Double Tee Precast Panels	Concrete filled steel shell	W-beam Guardrail	Epoxy Mastic	11/4/2008	77.22	YES	Telephone	YES	This bridge is located on the Fulton-Forsyth County line and is posted for 19 Tons H-Truck; 19 Tons Type 3 Truck and 24 Tons Timber Truck. This structure is posted due to overstress	The steel piles throughout the	$ 15,000	Medium
121-0697-0	Birmingham Hwy (SR 372)	Cooper Sandy Creek	Landrum Rd	Tramore Pl	Concrete Box Culvert	1989	29 FT		3 Spans	N/A	Triple 9 FT x 9 FT Box Culvert	N/A	W-beam Guardrail	N/A	11/19/2008	98.72	YES	N/A	NO	This state-owned triple cell reinforced concrete box culvert is in good condition.	N/A	N/A	GDOT Maintenance
121-0698-0	Birmingham Hwy (SR 372)	Chicken Creek Tributary	Batesville Rd	Richmond Glen Dr	Precast Concrete	1989	120 FT	47.2 FT	3 Spans	Precast Deck Panels	6- Precast Stems	Steel Pile Bents	Concrete Jersey	Epoxy Mastic	11/19/2008	74.82	YES	N/A	NO	This state-owned three span precast beam bridge is supported by steel H-pile intermediate bents.	N/A	N/A	GDOT Maintenance
121-5002-0	Clarity Rd (CR 3)	Little River	Hickory Flat Rd	Melt Anderson Rd	Simply Supported	1954	48 FT	14.9 FT	1 Span	Timber Decking	Steel Beams	Concrete filled steel shell	Metal Railing and	Non-Lead Oil	2/12/2009	27.78	NO	N/A	YES	This single-lane structure is located on teh Fulton-Cherokee County line and is posted for 6 Tons due to the low original design capacity of the structure. A replacement structure is	The posting sign on the nothern	$ 3,500	Medium
121-5003-0	Birmingham Rd (CR 4)	Chicken Creek Tributary	Hopewell Rd	Henderson Rd	Precast Concrete	1961	30 FT	24.2 FT	1 Span	Precast Panels	8 - Double Tee Precast Panels	Steel/Timber Soldier Piles	W-beam Guardrail	None	1/9/2009	36.95	YES	Gas and Water	YES	This structure is posted for 10 Tons H-Truck; 10 Tons Type 3 Truck; 13 Tons Timber Truck; 13 Tons HS Truck and 16 Tons Type 3S2 truck. This structure is posted due to the concrete	The steel piles throughout the	$ 25,000	Medium
121-5004-0	Hamby Rd (CR 12)	Chicken Creek Tributary	Watsons Bend	Hopewell Rd	Precast Concrete	1964	60 FT	24.2 FT	2 Spans	Precast Panels	8- Double Tee Precast Panels	Concrete filled steel shell	W-beam Guardrail	Epoxy Mastic	2/12/2009	61.25	YES	N/A	YES	This structure is posted for 19 Tons H-Truck; 19 Tons Type 3 Truck and 23 Tons Timber Truck. This structure is posted due to overstress caused by the extra dead load of the 4	Clean and cover exposed	$ 2,500	Low
121-5005-0	Hamby Rd (CR 12)	Chicken Creek Tributary	Oakside Dr	Watsons Bend	Precast Concrete	1966	30 FT	24.2 FT	1 Span	Precast Panels	8 - Double Tee Precast Panels	Concrete filled steel shell pile	W-beam Guardrail	None	1/8/2009	61.25	YES	N/A	YES	This structure is posted for 18 Tons H-Truck; 18 Tons Type 3 Truck and 23 Tons Timber Truck. This structure is posted due to overstress caused by the extra dead load of the 4	The exposed foundation piles	$ 3,500	Low
121-5006-0	Longstreet Rd (CR 13)	Chicken Creek Tributary	Land Rd	Wills Rd	Precast Concrete	1964	90 FT	24.2 FT	3 Spans	Precast Panels	8 - Double Tee Precast Panels	Concrete filled steel shell pile	W-beam Guardrail	Epoxy Mastic	1/8/2009	62.81	YES	Telephone	NO	This bridge structure is in good condition with no reported structural deficiencies.	Intermediate bent piling	$ 5,000	Low
121-5007-0	Westbrook Rd (CR 18)	Chicken Creek Tributary	Hopewell Rd	Mountain Rd	Precast Concrete	1956	30 FT	18.2 FT	1 Span	Precast Concrete	6 - Double Tee Precast Panels	Masonry Gravity Wall	W-beam Guardrail	N/A	1/8/2009	63.28	YES	N/A	YES*	* load limit sign not required and may be removed per GDOT inspection. This single-lane bridge is in good condition with no serious reported structural defects.	Install advance signage for	$ 1,500	Low
121-5008-0	Westbrook Rd (CR 18)	Chicken Creek Tributary	Hopewell Rd	Mountain Rd	Precast Concrete	1956	30 FT	18.2 FT	1 Span	Precast Concrete	6 - Double Tee Precast Panels	Concrete Gravity Wall	W-beam Guardrail	N/A	1/8/2009	53.11	YES	N/A	YES*	* load limit sign not required and may be removed per GDOT inspection. This single-lane bridge structure is in fair condition. Minor cracking and spalls on the bottom of several	Install advance signage for	$ 3,500	Medium
121-5009-0	Thompson Rd (CR 19)	Chicken Creek Tributary	Nettlebrook Way	N Christophers Run	Precast Concrete	1962	90 FT	24.2 FT	3 Spans	Precast Panels	8 - Double Tee Precast Panels	Concrete filled steel shell pile	W-beam Guardrail	Epoxy Mastic	2/12/2009	65.23	YES	Water and Telephone	NO	This structure is in satisfactory condition. There is moderate concrete spalling scattered throughout the precast beam members resulting in exposed and corroded reinforcing	Asphalt wearing surface needs to	$ 5,000	Medium
121-5010-0	Dinsmore Rd (CR 20)	Chicken Creek	N Valleyfield Rd	Highgrove Rd	Precast Concrete	1965	60 FT	36.5 FT	2 Spans	Precast Panels	12- Double Tee Precast Panels	Concrete filled steel shell pile	W-beam Guardrail	Epoxy Mastic	2/12/2009	82.13	YES	Gas and Water	YES*	* load limit sign not required and may be removed per GDOT inspection. The bridge structure is in satisfactory condition with drift accumulated at bent #2.	Drift accumulation at	$ 1,000	Low
121-5011-0	Batesville Rd (CR 23)	Chicken Creek	Birmingham Hwy	Taylor Rd	Precast Concrete	1962	60 FT	24.2 FT	2 Spans	Precast Panels	9 - Double Tee Precast Panels	Concrete filled steel shell	W-beam Guardrail	None	2/11/2009	63.03	YES	Gas and Telephone	NO	This bridge structure is in satisfactory condition with undermining of the concrete encasements at piles #1 and #3 at bent 2.	The concrete pile	$ 5,000	Low
121-5012-0	Batesville Rd (CR 23)	Little River	Taylor Rd	The Fairway	Precast Concrete	1964	120 FT	27.6 FT	4 Spans	Precast Panels	9 - Double Tee Precast Panels	Concrete filled steel shell pile	W-beam Guardrail	None	2/11/2009	60.25	NO	Telephone	YES*	* load limit sign present on north end of bridge only but may be removed per GDOT inspection. This bridge structure is located on the Fulton-Cherokee County line and is in	The concrete spalls on Beam 1	$ 1,500	Low
121-5013-0	Wood Rd (CR 24)	Chicken Creek	Phillips Rd	Birmingham Hwy	Precast Concrete	1961	120 FT	24.7 FT	4 Spans	Precast Concrete	8 - Double Tee Precast Panels	Concrete filled steel shell pile	W-beam Guardrail	Epoxy Mastic	1/13/2009	52.09	YES	Telephone	YES*	* load limit sign not required and may be removed per GDOT inspection. This bridge structure is in fair condition with undermining of the pile encasements at bent #3. .	The pile encasements at	$ 7,500	Medium
121-5014-0	Wood Rd (CR 24)	Chicken Creek Tributary	Phillips Rd	Birmingham Hwy	Precast Concrete	1956	30 FT	18.2 FT	1 Span	Precast Concrete	6 - Double Tee Precast Panels	Concrete Gravity Wall	W-beam Guardrail	N/A	2/12/2009	63.28	YES	N/A	NO	This single-lane bridge structure is in satisfactory condition with no reported serious structural defects. There is exposed and corroded reinforcing steel on the end bents due	The old timber pile cut-offs left	$ 2,500	Low
121-5015-0	New Providence	Cooper Sandy Creek	Providence Lake Point	Chadwick Rd	Precast Concrete	1962	90 FT	24.2 FT	3 Spans	Precast Panels	7 - Double Tee Precast Panels	Steel/Timber Pile Bents	Substandard Metail	None	2/11/2009	18.71	YES	Gas, Water and	NO	This bridge structure has undergone a significant rehabilitation of the pile bents and has no reported deficiencies. Currently in fair condition (Sufficiency Rating 18.71 but needs to	Replace substandard	$ 3,500	Medium/High depending on
121-5016-0	Providence Rd (CR 27)	Cooper Sandy Creek	Providence Park Dr	Bethany Rd	Precast Concrete	1962	30 FT	24.2 FT	1 Span	Precast Panels	7 - Double Tee Precast Panels	Steel/Timber Soldier Piles	W-beam Guardrail	Epoxy Mastic	1/13/2009	52.63	YES	City Water	NO*	* At time of inspection, the posting signs were missing. These signs are required and must be replaced. Post this structure for 16 Tons H-Truck; 17 Tons Type 3 Truck and 24 Tons	Secure guardrail anchorages at	$ 1,000	Medium
121-5106-0	New Bullpen Rd/Union Hill	Little River	Birmingham Hwy	Steeplechase Rd	Concrete T-Beam	1939	61 FT	26.7 FT	2 Spans	Cast-in-place Concrete	Concrete T-Beams	Concrete Cap and Column	Concrete Railing	N/A	2/12/2009	48.98	NO	Telephone/ Fiber Optic	NO	This all concrete bridge structure is located on the Fulton-Cherokee County line and is in fair condition with no reported deficiencies.	Install approach guardrail at all	$ 3,500	Medium
121-5107-0	Hopewell Rd (CR 1323)	Cooper Sandy Creek	Hopewell Plantation Dr	Sandy Creek Farm	Corrugated Metal Arch	1953	35 FT		2 Spans	N/A	Double 16' span x 12' rise arch	N/A	W-beam Guardrail	N/A	1/9/2009	91.07	YES	N/A	NO	This arch culvert is in good condition with no reported deficiencies.	None	$ -	Low
121-5151-0	Birmingham Rd (CR 4)	Little River	Roper Rd	Clarity Rd	Precast Concrete	1968	90 FT	24 FT	3 Spans	Precast Panels	8 - Double Tee Precast Panels	Concrete filled steel shell	W-beam Guardrail	Epoxy Mastic	2/12/2009	40.83	NO	Telephone	YES	This structure is located on the Fulton-Cherokee County line and is posted for 10 Tons H-Truck; 12 Tons Type 3 Truck; 15 Tons Timber Truck and 18 Tons Type 3S2 Truck. This	Cracks in asphalt W.S. have been	$ 2,500	Low
121-5153-0	Freemanville Rd (CR 34)	Cooper Sandy Creek	Creek Rd	Freemanwood Ln	Precast Concrete	1960	90 FT	24.2 FT	3 Spans	Precast Panels	8 - Double Tee Precast Panels	Concrete filled steel shell pile	W-beam Guardrail	Epoxy Mastic	2/11/2009	56.24	YES	Gas and Water	YES	This structure is posted for 18 tons H-Truck; 18 Tons Type 3 Truck and 22 Tons Timber Truck. This structure is posted due to overstress caused by the extra dead load of the 4.5	None	$ -	Low
121-5202-0	Cogburn Rd (CR 37)	Chicken Creek Tributary	Wyndham Farms Dr	Francis Rd	Precast Concrete	1986	30 FT	28.2 FT	1 Span	Precast Panels	7 - Double Tee Precast Panels	Concrete filled steel shell	W-beam Guardrail	None	2/12/2009	58.95	YES	Gas, Water and	NO	This bridge structure is in good condition with no reported serious structural defects. However, there is severe guardail damage at the SW corner.	Repair damaged guardrail	$ 1,000	High
121-5303-0	Freemanville Rd (CR 34)	Chicken Creek	Phillips Rd	Louis Rd	Prestressed Concrete	2004	170 FT	40 FT	3 Spans	Cast-in-place Concrete	Type II & III PSC Beams	Concrete Cap and Column	Jersey Barrier	N/A	unknown	unknown	YES	N/A	YES*	* The load limit sign is no longer required and may be removed per GDOT inspection. This is a new structure constructed in 2004; however, the inventory data is not available on	None	$ -	Low
MLT01	Cogburn Rd (CR 37)	Cooper Sandy Creek	Glaston Way	N Park	Precast Concrete	Unk.	14 FT	23.3 FT	1 Span	Precast Panels	6 - Flat Slab Precast Panels	Timber Soldier Piles &	W Beam Guardrail	N/A	6/24/2009	N/A	YES	N/A	NO	Structure consists of precast concrete flat slab panels with asphalt overlay.The bridge is located on a heavily traveled road and is in fair condition. Deck drain openings have been	For safety reasons, this	$ 850,000	High
MLT02	Landrum Rd	Cooper Sandy Creek Tributary	Birmingham Hwy	Freemanville Rd	Single Span Steel Beam	Unk.	19 FT	14 FT	1 Span	3x10 timber decking with	7 - 12" deep steel beams	Stone Masonry	W Beam Guardrail	None	4/3/2008	N/A	YES	GA Power, Water	YES	This single lane bridge is posted for a weight limit of 3 Tons. Both approach roadways are gravel and exhibit moderate settlement with several deep depressions in the roadway.	Replacement with a	$ 250,000	High
MLT03	Hopewell Rd (CR 1323)	Cooper Sandy Creek	Redd Rd	Saddlesprings Dr.	Triple Cell Concrete Box	Unk.	33 FT	20 FT	3 Spans	N/A	Triple 8 FT x 8 FT Box Culvert	N/A	W Beam Guardrail	N/A	6/24/2009	N/A	YES	N/A	NO	Structure consists of a skewed triple cell 8 ft x 8ft concrete box culvert. Structure is in good condition with only siltation of northern most cell observed.	Remove built up siltation from	$ 1,500	Low
MLT04	Birmingham Rd (CR 4)	Chicken Creek Tributary	Day Rd	Manor Terrace	Precast Concrete	Unk.	23 FT	23.2 FT	1 Span	Precast Panels	6 - Double Tee Precast Panels	Timber Soldier Piles &	W Beam Guardrail	N/A	6/24/2009	N/A	YES	City Water & Atlanta	NO	Structure consists of precast concrete double tee panels with asphalt overlay. Deck drain openings have been paved over with asphalt, water seepage thru cracks in wearing surface	Patch and/or seal asphalt	$ 5,000	Medium
MLT05	Birmingham Rd (CR 4)	Chicken Creek Tributary	Freemanville Rd	Milton Point	Precast Concrete	Unk.	15 FT	23.8 FT	1 Span	Precast Panels	6 - Flat Slab Precast Panels	Steel/Timber Soldier Piles	Pipe Handrail	None	6/24/2009	N/A	YES	City Water & Atlanta	NO	Structure consists of precast concrete flat slab panels with asphalt overlay. Substructure consists of steel piles on a concrete cap. Timber planks are used to retain earth fill at end	Install W-beam guardrail to	$ 7,500	Medium
MLT06	Mountain Rd	Chicken Creek Tributary	Westbrook Rd	Phillips Circle	6 FT Diameter	Unk.	73 FT	6 FT	1 Span	N/A	N/A	N/A	N/A	N/A	6/24/2009	N/A	unknown	City Water and AT&T	NO	This pipe structure is in satisfactory condition with isolated spalls on interior. Three of the pipe segments at the outfall end have settled and separated, causing water to flow down	Pump grout material in	$ 3,500	Low

Arnold Mill Rd (SR 140) Over Little River

Bridge ID 057-0029-0

General

Road: Arnold Mill Rd (SR 140) *Over:* Little River *Between* Old Arnold Mill Rd And Hickory Flat Hwy *Structure Type: Simply Supported Steel Girder* *Year Built: 1952* *Length*: 284 FT *Width*: 32.1 FT *Span*: 5 Spans *Deck*: Cast-in-place Concrete w/Asphalt W.S. *Superstructure*: 5 - Steel Girders *Substructure*: Concrete Cap and Column *Vehicle Protection*: Concrete Railing *Paint System*: Lead Chromate Oil Alkyd System *Posted Load Limits*: NO *Bus Route*:NO *Sufficiency Rating*: 39.45 *Utilities*: Gas *Date of Inspection*: 6/2/2008	*Location Map:* 

Narrative Description

This state-owned structure is located on the Fulton-Cherokee County line.

Summary of Findings

Repair Recommendations: N/A	Repair/Replacement Priority: GDOT Maintenance Estimated Cost for Repairs: N/A

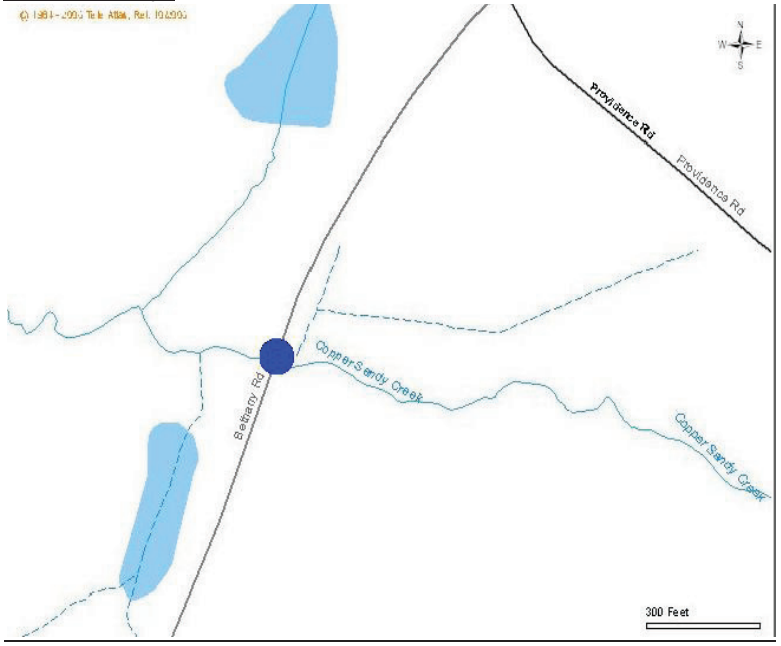
City of Milton
Citywide Bridge Inventory

October 20, 2009

Bethany Rd (CS 1324) Over Cooper Sandy Creek

Bridge ID 121-0281-0

General

Road: Bethany Rd (CS 1324) *Over:* Cooper Sandy Creek *Between* Sulky Way And Providence Rd *Structure Type: Precast Concrete* *Year Built: 1951* *Length*: 60 FT *Width*: 24.1 FT *Span*: 2 Spans *Deck*: Precast Panels w/Asphalt W.S. *Superstructure*: 7 - Double Tee Precast Panels *Substructure*: Steel/Timber Pile Bents *Vehicle Protection*: W-beam Guardrail *Paint System*: None *Posted Load Limits*: NO *Bus Route*:YES *Sufficiency Rating*: 27.7 *Utilities*: Gas and Telephone *Date of Inspection*: 1/13/2009	*Location Map:* 

Narrative Description

This structure is in poor condition with corrosion of the steel substructure components. Spalls on the bottom of the beams have exposed portions of the reinforcement steel.

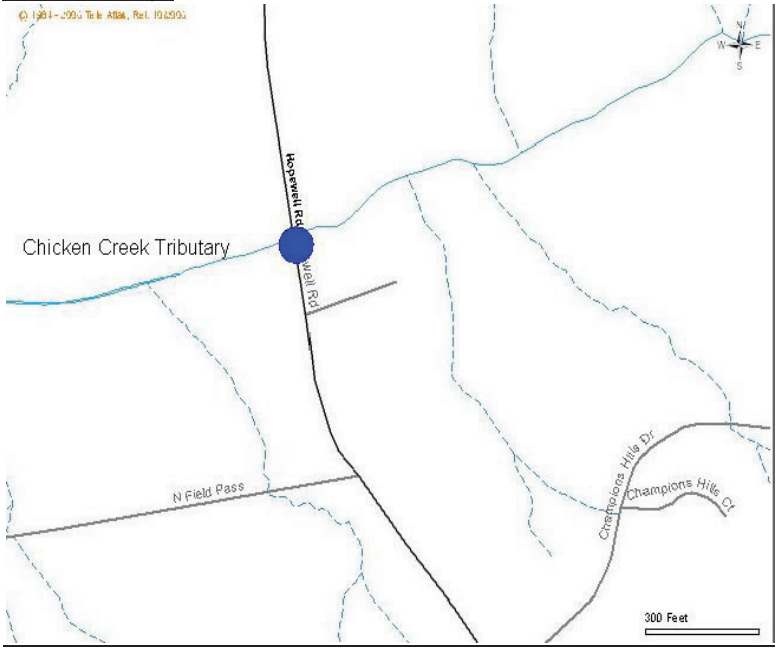
Summary of Findings

Repair Recommendations: The steel piles in the stream channel should be cleaned and painted. Furthermore, these piles should be protected with reinforced concrete encasements extending from points 2 feet below the mud line to a point 2 feet above normal water. Exposed reinforcement on beams should be cleaned and covered to protect it from corrosion. Asphalt W.S. should be patched and sealed. Remove dirt/vegetation from both gutterlines.	Repair/Replacement Priority: HIgh Estimated Cost for Repairs: $25,000

Hopewell Rd (CR 1323) Over Chicken Creek Tributary

Bridge ID 121-0282-0

General

Road: Hopewell Rd (CR 1323) *Over:* Chicken Creek Tributary *Between* N Field Pass And Champions Close *Structure Type: Concrete Box Culvert* *Year Built: 1995* *Length*: 27 FT *Width*: *Span*: 2 Spans *Deck*: N/A *Superstructure*: Double 8 FT x 8 FT Box Culvert *Substructure*: N/A *Vehicle Protection*: None *Paint System*: N/A *Posted Load Limits*: NO *Bus Route*:YES *Sufficiency Rating*: 99.07 *Utilities*: N/A *Date of Inspection*: 11/19/2008	*Location Map:* 

Narrative Description

The bridge culvert is in good condition but has approximately 0.5 feet of scour damage at the inlet end of barrels #2 and #3.

Summary of Findings

Repair Recommendations: Scour damage should be monitored for further signs of degradation.	Repair/Replacement Priority: Low Estimated Cost for Repairs: $-

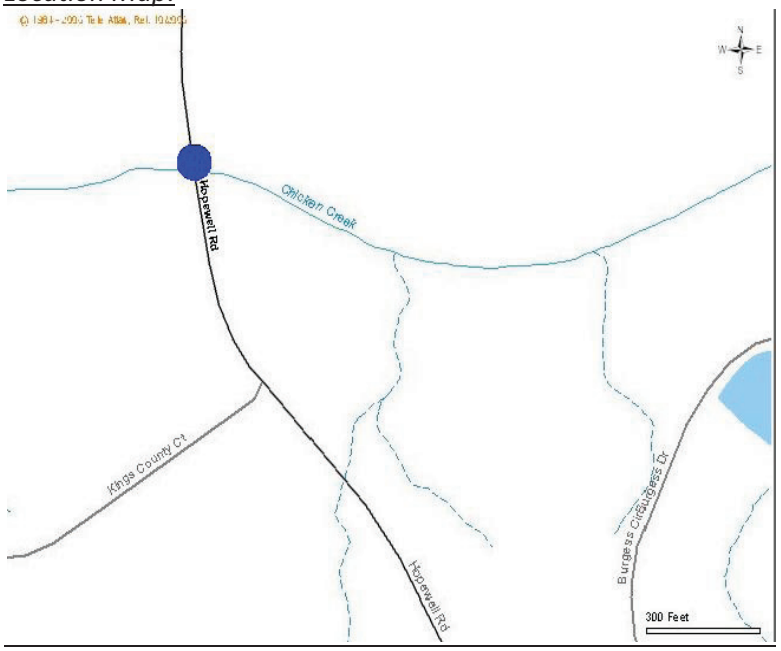
City of Milton
Citywide Bridge Inventory

October 20, 2009

Hopewell Rd (CR 1323) Over Chicken Creek

Bridge ID 121-0283-0

General

Road: Hopewell Rd (CR 1323) *Over:* Chicken Creek *Between* Kings Country Ct And Fossil Trce *Structure Type: Simply Supported Steel Beam* *Year Built: 1948* *Length*: 41 FT *Width*: 27.7 FT *Span*: 1 Span *Deck*: Cast-in-place Concrete w/Asphalt W.S. *Superstructure*: Steel Beams *Substructure*: Masonry Gravity Wall *Vehicle Protection*: Concrete Railing *Paint System*: Lead Chromate Oil Alkyd System *Posted Load Limits*: YES *Bus Route*:YES *Sufficiency Rating*: 59.75 *Utilities*: Gas and Water *Date of Inspection*: 11/19/2008	*Location Map:* 

Narrative Description

This structure is posted for 20 Tons H-Truck; 19 Tons Type 3 Truck and 28 Tons Timber Truck. This structure is posted due to overstress caused by the extra dead load of the 4.5 inch asphalt overlay. Upgrading the load carrying capacity to a point where posting is not required would require removal of this overlay. This bridge structure is in good condition but has corrosion of the steel superstructure. .

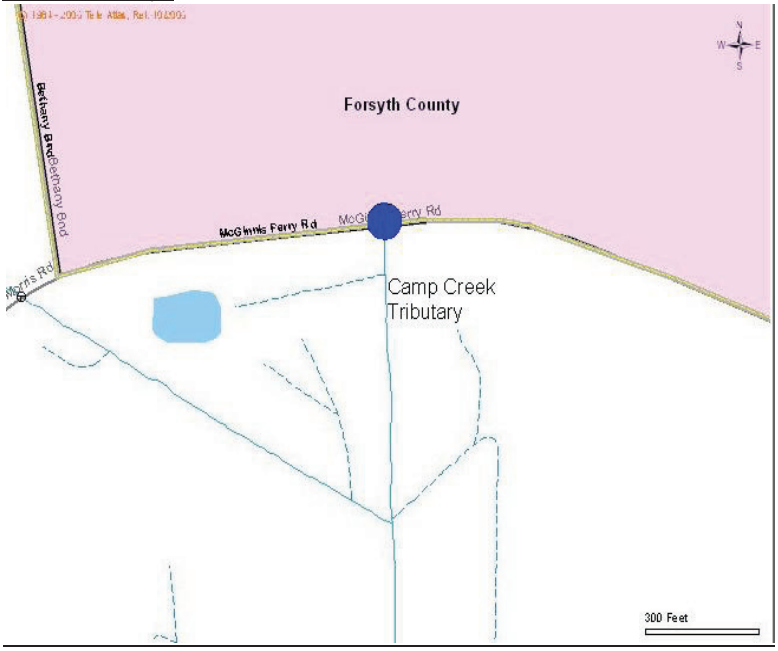
Summary of Findings

Repair Recommendations: The beams throughout the structure should be cleaned and painted. The beaver dam located near the structure should be removed to prevent further accumulation of debris and reduce the possibility of scour	Repair/Replacement Priority: Medium Estimated Cost for Repairs: $10,000

McGinnis Ferry Rd (CR 41) Over Camp Creek Tributary

Bridge ID 121-0284-0

General

Road: McGinnis Ferry Rd (CR 41) *Over:* Camp Creek Tributary *Between* Bethany Rd And Whittington Way *Structure Type: Precast Concrete* *Year Built: 1954* *Length*: 60 FT *Width*: 24.2 FT *Span*: 2 Spans *Deck*: Precast Panels w/Asphalt W.S. *Superstructure*: 8 - Double Tee Precast Panels *Substructure*: Concrete filled steel shell piles *Vehicle Protection*: W-beam Guardrail *Paint System*: Epoxy Mastic *Posted Load Limits*: YES *Bus Route*:YES *Sufficiency Rating*: 77.22 *Utilities*: Telephone *Date of Inspection*: 11/4/2008	*Location Map:* 

Narrative Description

This bridge is located on the Fulton-Forsyth County line and is posted for 19 Tons H-Truck; 19 Tons Type 3 Truck and 24 Tons Timber Truck. This structure is posted due to overstress caused by the extra dead load of the 3.5 inch asphalt overlay. Upgrading the load carrying capacity to a point where posting is not required would require removal of this overlay. The bridge is in fair condition due to condition of beam panels, steel substructure piles and asphalt W.S. The eastern weight limit sign not present and approx. 15 feet of guardrail is missing due to accident on northeast corner.

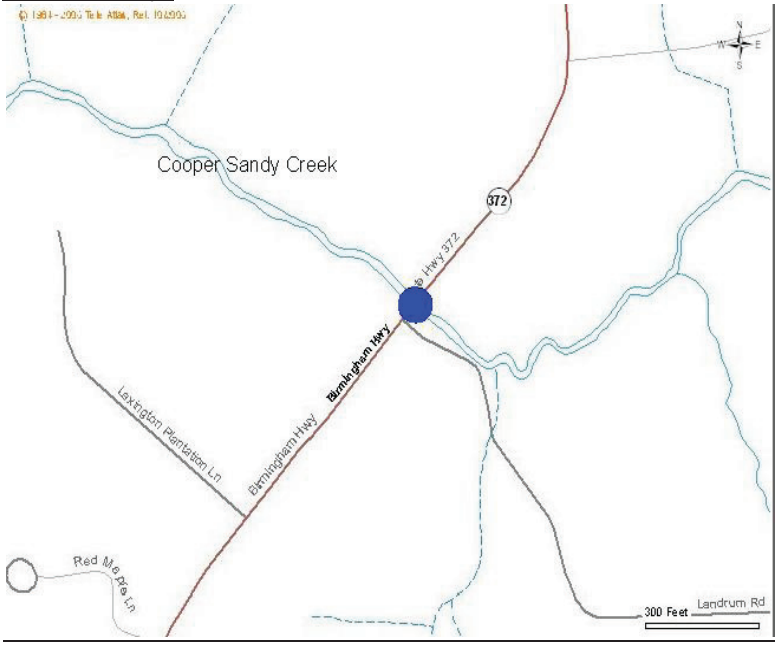
Summary of Findings

Repair Recommendations: The steel piles throughout the structure should be cleaned and painted. The asphalt W.S. should be patched and sealed throughout. The spalled concrete/exposed reinforcing on beam panels should be cleaned and patched throughout. Vegetation growing in the vicinity of the structure should be cut and removed. Replace missing guardrail and weight limit posting sign at east end of bridge.	Repair/Replacement Priority: Medium Estimated Cost for Repairs: $15,000

Birmingham Hwy (SR 372) Over Cooper Sandy Creek

Bridge ID 121-0697-0

General

Road: Birmingham Hwy (SR 372) *Over:* Cooper Sandy Creek *Between* Landrum Rd And Tramore Pl *Structure Type: Concrete Box Culvert* *Year Built: 1989* *Length*: 29 FT *Width*: *Span*: 3 Spans *Deck*: N/A *Superstructure*: Triple 9 FT x 9 FT Box Culvert *Substructure*: N/A *Vehicle Protection*: W-beam Guardrail *Paint System*: N/A *Posted Load Limits*: NO *Bus Route*:YES *Sufficiency Rating*: 98.72 *Utilities*: N/A *Date of Inspection*: 11/19/2008	*Location Map:* 

Narrative Description

This state-owned triple cell reinforced concrete box culvert is in good condition.

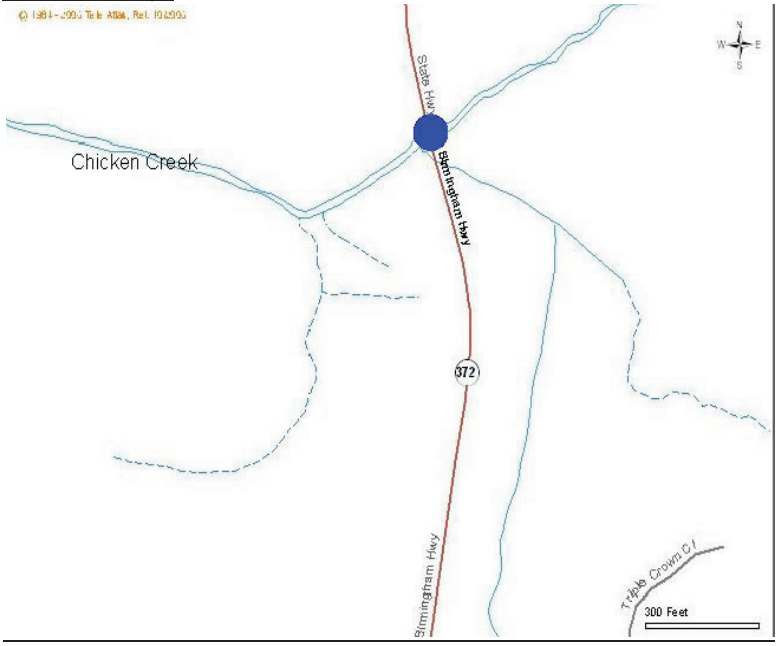
Summary of Findings

Repair Recommendations: N/A	Repair/Replacement Priority: GDOT Maintenance Estimated Cost for Repairs: N/A

Birmingham Hwy (SR 372) Over Chicken Creek Tributary

Bridge ID 121-0698-0

General

Road: Birmingham Hwy (SR 372) *Over:* Chicken Creek Tributary *Between* Batesville Rd And Richmond Glen Dr *Structure Type: Precast Concrete* *Year Built: 1989* *Length*: 120 FT *Width*: 47.2 FT *Span*: 3 Spans *Deck*: Precast Deck Panels *Superstructure*: 6- Precast Stems *Substructure*: Steel Pile Bents *Vehicle Protection*: Concrete Jersey Barrier *Paint System*: Epoxy Mastic *Posted Load Limits*: NO *Bus Route*:YES *Sufficiency Rating*: 74.82 *Utilities*: N/A *Date of Inspection*: 11/19/2008	*Location Map:* 

Narrative Description

This state-owned three span precast beam bridge is supported by steel H-pile intermediate bents.

Summary of Findings

Repair Recommendations: N/A	Repair/Replacement Priority: GDOT Maintenance Estimated Cost for Repairs: N/A

City of Milton
Citywide Bridge Inventory

October 20, 2009

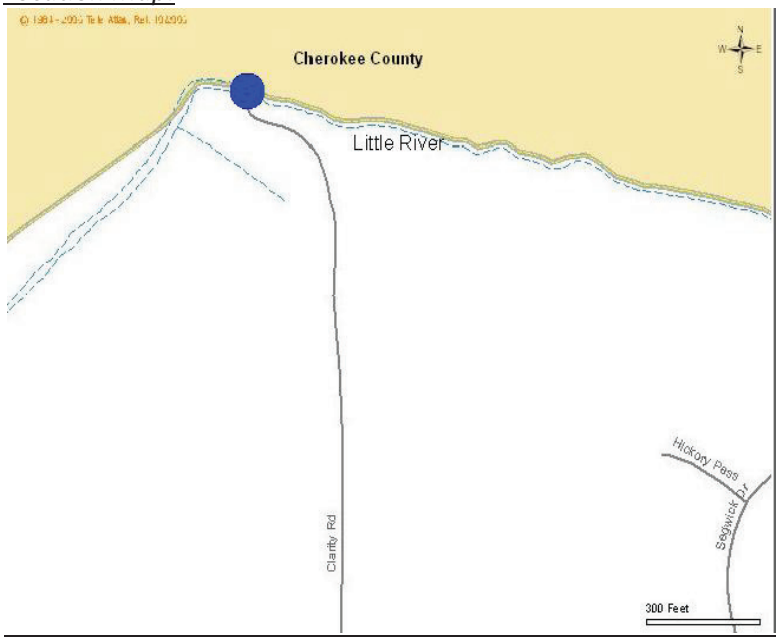
Clarity Rd (CR 3) Over Little River

Bridge ID 121-5002-0

General

Road: Clarity Rd (CR 3)
Over: Little River
Between Hickory Flat Rd
And Melt Anderson Rd
Structure Type: Simply Supported Steel Beam
Year Built: 1954
Length: 48 FT
Width: 14.9 FT
Span: 1 Span
Deck: Timber Decking w/Timber Runners
Superstructure: Steel Beams
Substructure: Concrete filled steel shell piles
Vehicle Protection: Metal Railing and Timber Fencing
Paint System: Non-Lead Oil Alkyd System (System IV)
Posted Load Limits: YES
Bus Route:NO
Sufficiency Rating: 27.78
Utilities: N/A
Date of Inspection: 2/12/2009

Location Map:



Narrative Description

This single-lane structure is located on teh Fulton-Cherokee County line and is posted for 6 Tons due to the low original design capacity of the structure. A replacement structure is required to upgrade this structure to a point where posting is no longer required. If the timber runners were re-positioned directly above the beams, this bridge could be upgraded to a 9 ton capacity. This bridge is in fair condition. Fencing at the SE corner is badly damaged (vehicle impact?) and first interior post on east side is loose. At SW corner railing post, screws are loose at base. Minor erosion evident around both corners at north end backwalls of bridge.

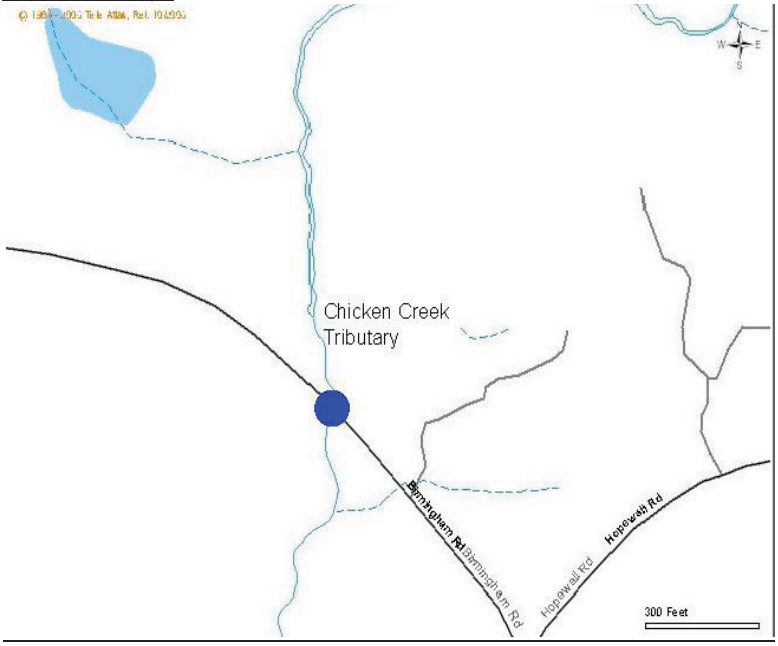
Summary of Findings

Repair Recommendations:	Repair/Replacement Priority: Medium
The posting sign on the nothern end of the structure is missing. This sign is required and must be replaced. Repair or replace metal rail and timber railing system with W-beam guardrail. Install advance signage warning of single lane bridge ahead and load limited bridge ahead. Future recommendation is to replace bridge and realign south approach to eliminate 90 degree bend.	Estimated Cost for Repairs: $3,500

Birmingham Rd (CR 4) Over Chicken Creek Tributary

Bridge ID 121-5003-0

General

Road: Birmingham Rd (CR 4) *Over:* Chicken Creek Tributary *Between* Hopewell Rd And Henderson Rd *Structure Type: Precast Concrete Panels* *Year Built: 1961* *Length*: 30 FT *Width*: 24.2 FT *Span*: 1 Span *Deck*: Precast Panels w/Asphalt W.S. *Superstructure*: 8 - Double Tee Precast Panels *Substructure*: Steel/Timber Soldier Piles w/Timber Lagging *Vehicle Protection*: W-beam Guardrail *Paint System*: None *Posted Load Limits*: YES *Bus Route*:YES *Sufficiency Rating*: 36.95 *Utilities*: Gas and Water *Date of Inspection*: 1/9/2009	*Location Map:* 

Narrative Description

This structure is posted for 10 Tons H-Truck; 10 Tons Type 3 Truck; 13 Tons Timber Truck; 13 Tons HS Truck and 16 Tons Type 3S2 truck. This structure is posted due to the concrete deck slabs not being properly bolted together. This bridge structure is in satisfactory condition with corrosion of the steel substructure units. The pre-cast concrete superstructure panels have areas of spalls with exposed reinforced steel on the underside of the deck.

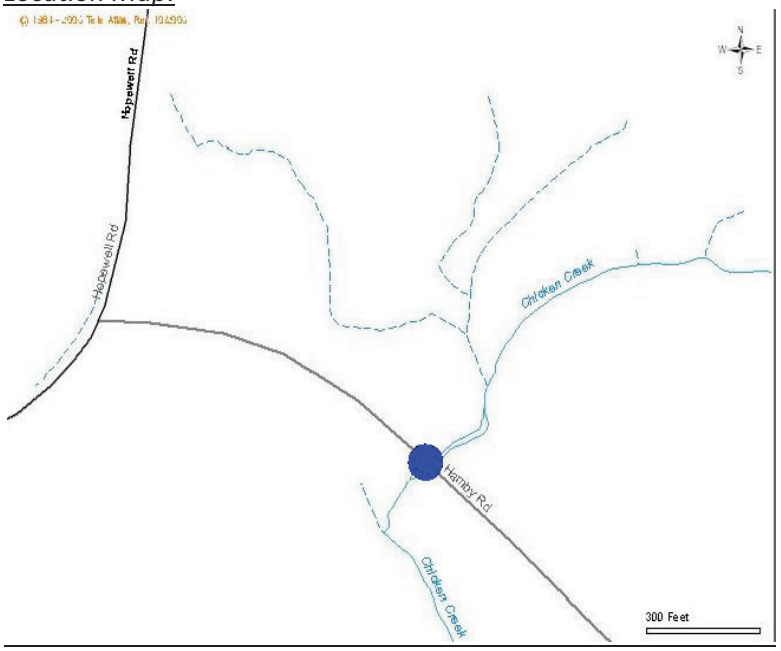
Summary of Findings

Repair Recommendations: The steel piles throughout the structures should be cleaned and painted. Furthermore, these piles should be protected with reinforced concrete encasements extending from points 2 feet below the mud line to a point 2 feet above normal water. The exposed reinforcement steel on the beams should be cleaned and sealed to protect it from corrosion. If the deck slab units are properly bolted together, then this structure could be significantly upgraded.	Repair/Replacement Priority: Medium Estimated Cost for Repairs: $25,000

Hamby Rd (CR 12) Over Chicken Creek Tributary

Bridge ID 121-5004-0

General

Road: Hamby Rd (CR 12) *Over:* Chicken Creek Tributary *Between* Watsons Bend And Hopewell Rd *Structure Type: Precast Concrete Panels* *Year Built: 1964* *Length*: 60 FT *Width*: 24.2 FT *Span*: 2 Spans *Deck*: Precast Panels w/Asphalt W.S. *Superstructure*: 8- Double Tee Precast Panels *Substructure*: Concrete filled steel shell piles *Vehicle Protection*: W-beam Guardrail *Paint System*: Epoxy Mastic *Posted Load Limits*: YES *Bus Route*:YES *Sufficiency Rating*: 61.25 *Utilities*: N/A *Date of Inspection*: 2/12/2009	*Location Map:* 

Narrative Description

This structure is posted for 19 Tons H-Truck; 19 Tons Type 3 Truck and 23 Tons Timber Truck. This structure is posted due to overstress caused by the extra dead load of the 4 inch asphalt overlay. Any upgrade of the load carrying capacity would require removal of this overlay. This bridge structure is in satisfactory condition with no other reported deficiencies except isolated exposed and corroded rebar on underside.

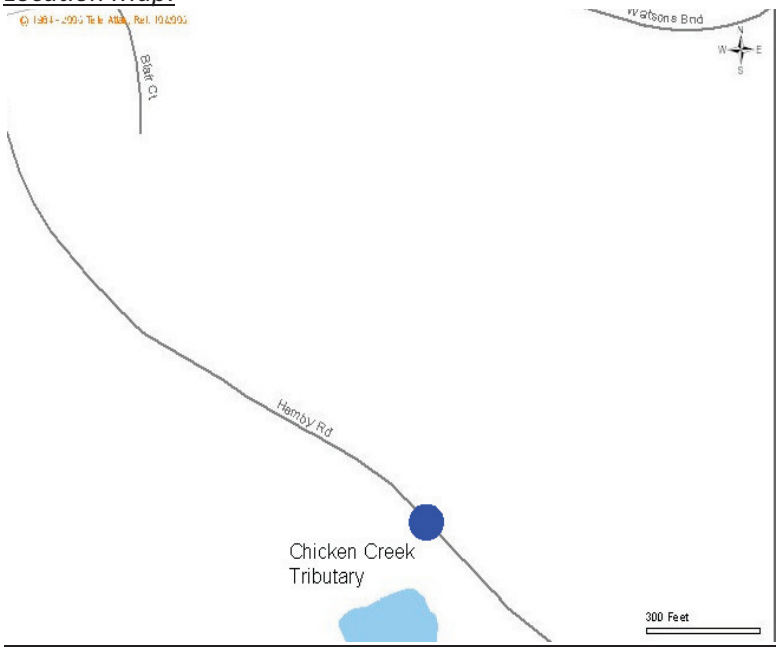
Summary of Findings

Repair Recommendations: Clean and cover exposed reinforcing steel on underside.	Repair/Replacement Priority: Low Estimated Cost for Repairs: $2,500

Hamby Rd (CR 12) Over Chicken Creek Tributary

Bridge ID 121-5005-0

General

Road: Hamby Rd (CR 12) *Over:* Chicken Creek Tributary *Between* Oakside Dr And Watsons Bend *Structure Type: Precast Concrete Panels* *Year Built: 1966* *Length*: 30 FT *Width*: 24.2 FT *Span*: 1 Span *Deck*: Precast Panels w/Asphalt W.S. *Superstructure*: 8 - Double Tee Precast Panels *Substructure*: Concrete filled steel shell pile bents *Vehicle Protection*: W-beam Guardrail *Paint System*: None *Posted Load Limits*: YES *Bus Route*:YES *Sufficiency Rating*: 61.25 *Utilities*: N/A *Date of Inspection*: 1/8/2009	*Location Map:* 

Narrative Description

This structure is posted for 18 Tons H-Truck; 18 Tons Type 3 Truck and 23 Tons Timber Truck. This structure is posted due to overstress caused by the extra dead load of the 4 inch asphalt overlay. Any upgrade of the load carrying capacity would require removal of the asphalt overlay. This bridge structure is in satisfactory condition with the exception of the substructure which is in fair condition. The foundation piles beneath both abutments are exposed.

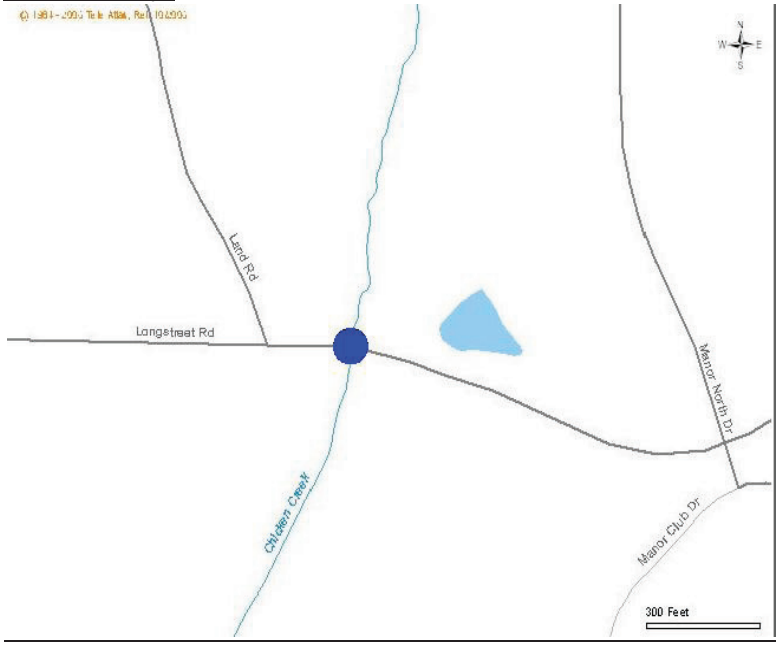
Summary of Findings

Repair Recommendations: The exposed foundation piles at the end bents should be cleaned, painted and covered to protect them from corrosion.	Repair/Replacement Priority: Low Estimated Cost for Repairs: $3,500

Longstreet Rd (CR 13) Over Chicken Creek Tributary

Bridge ID 121-5006-0

General

Road: Longstreet Rd (CR 13) *Over:* Chicken Creek Tributary *Between* Land Rd And Wills Rd *Structure Type: Precast Concrete Panels* *Year Built: 1964* *Length*: 90 FT *Width*: 24.2 FT *Span*: 3 Spans *Deck*: Precast Panels w/Asphalt W.S. *Superstructure*: 8 - Double Tee Precast Panels *Substructure*: Concrete filled steel shell pile bents *Vehicle Protection*: W-beam Guardrail *Paint System*: Epoxy Mastic *Posted Load Limits*: NO *Bus Route*:YES *Sufficiency Rating*: 62.81 *Utilities*: Telephone *Date of Inspection*: 1/8/2009	*Location Map:* 

Narrative Description

This bridge structure is in good condition with no reported structural deficiencies.

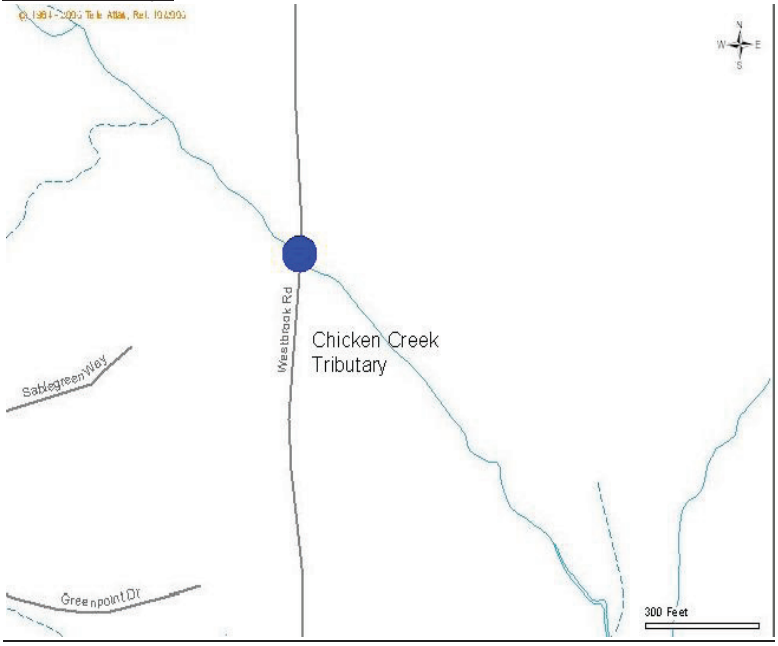
Summary of Findings

Repair Recommendations: Intermediate bent piling should be protected with reinforced concrete encasements extending from 2 feet below mud line to 2 feet above normal water elevation.	Repair/Replacement Priority: Low Estimated Cost for Repairs: $5,000

Westbrook Rd (CR 18) Over Chicken Creek Tributary

Bridge ID 121-5007-0

General

Road: Westbrook Rd (CR 18) *Over:* Chicken Creek Tributary *Between* Hopewell Rd And Mountain Rd *Structure Type: Precast Concrete Panels* *Year Built: 1956* *Length*: 30 FT *Width*: 18.2 FT *Span*: 1 Span *Deck*: Precast Concrete Panels *Superstructure*: 6 - Double Tee Precast Panels *Substructure*: Masonry Gravity Wall *Vehicle Protection*: W-beam Guardrail *Paint System*: N/A *Posted Load Limits*: YES* *Bus Route*:YES *Sufficiency Rating*: 63.28 *Utilities*: N/A *Date of Inspection*: 1/8/2009	*Location Map:* 

Narrative Description

* load limit sign not required and may be removed per GDOT inspection. This single-lane bridge is in good condition with no serious reported structural defects.

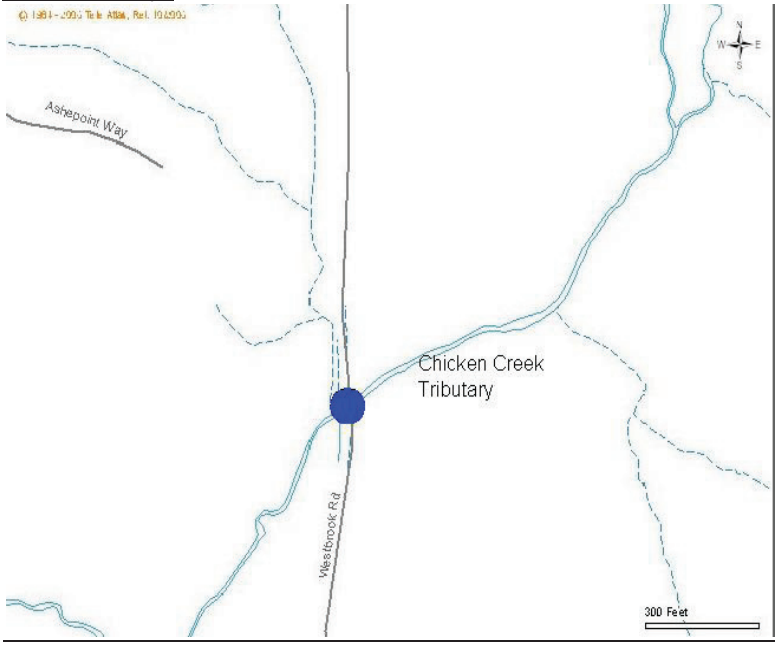
Summary of Findings

Repair Recommendations: Install advance signage for single lane bridge ahead. Repair settled approach roadway (gravel road).	Repair/Replacement Priority: Low Estimated Cost for Repairs: $1,500

Westbrook Rd (CR 18) Over Chicken Creek Tributary

Bridge ID 121-5008-0

General

Road: Westbrook Rd (CR 18) *Over:* Chicken Creek Tributary *Between* Hopewell Rd And Mountain Rd *Structure Type: Precast Concrete Panels* *Year Built: 1956* *Length*: 30 FT *Width*: 18.2 FT *Span*: 1 Span *Deck*: Precast Concrete Panels *Superstructure*: 6 - Double Tee Precast Panels *Substructure*: Concrete Gravity Wall *Vehicle Protection*: W-beam Guardrail *Paint System*: N/A *Posted Load Limits*: YES* *Bus Route*:YES *Sufficiency Rating*: 53.11 *Utilities*: N/A *Date of Inspection*: 1/8/2009	*Location Map:* 

Narrative Description

* load limit sign not required and may be removed per GDOT inspection. This single-lane bridge structure is in fair condition. Minor cracking and spalls on the bottom of several superstructure panels have exposed the reinforcement steel.

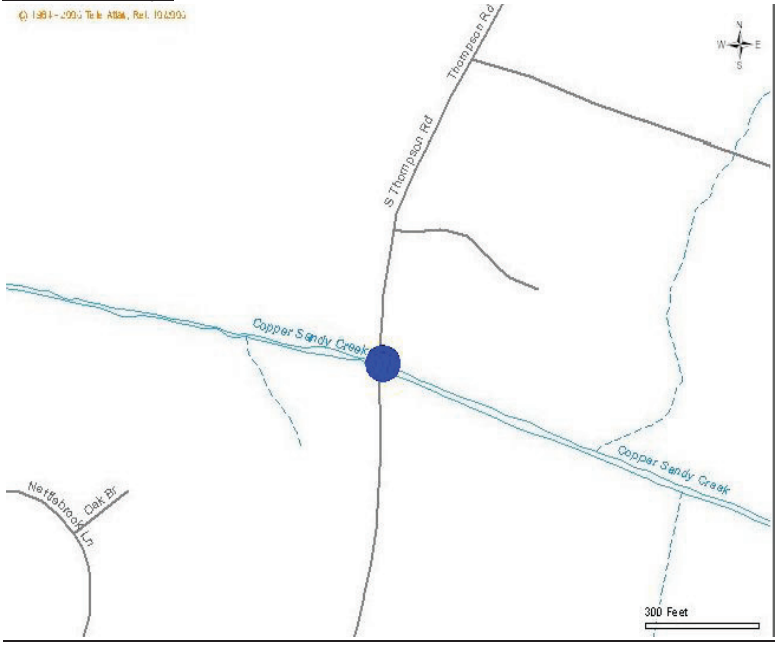
Summary of Findings

Repair Recommendations: Install advance signage for single lane bridge ahead. The concrete spalls on the underside of the panels should be repaired to protect the reinforcement steel from corrosion.	Repair/Replacement Priority: Medium Estimated Cost for Repairs: $3,500

Thompson Rd (CR 19) Over Chicken Creek Tributary

Bridge ID 121-5009-0

General

Road: Thompson Rd (CR 19) *Over:* Chicken Creek Tributary *Between* Nettlebrook Way And N Christophers Run *Structure Type: Precast Concrete Panels* *Year Built: 1962* *Length*: 90 FT *Width*: 24.2 FT *Span*: 3 Spans *Deck*: Precast Panels w/Asphalt W.S. *Superstructure*: 8 - Double Tee Precast Panels *Substructure*: Concrete filled steel shell pile bents *Vehicle Protection*: W-beam Guardrail *Paint System*: Epoxy Mastic *Posted Load Limits*: NO *Bus Route*:YES *Sufficiency Rating*: 65.23 *Utilities*: Water and Telephone *Date of Inspection*: 2/12/2009	*Location Map:* 

Narrative Description

This structure is in satisfactory condition. There is moderate concrete spalling scattered throughout the precast beam members resulting in exposed and corroded reinforcing steel. Inadequate patching has failed in several locations. The asphalt wearing surface has significant cracking along bridge end joints and along beam joints.

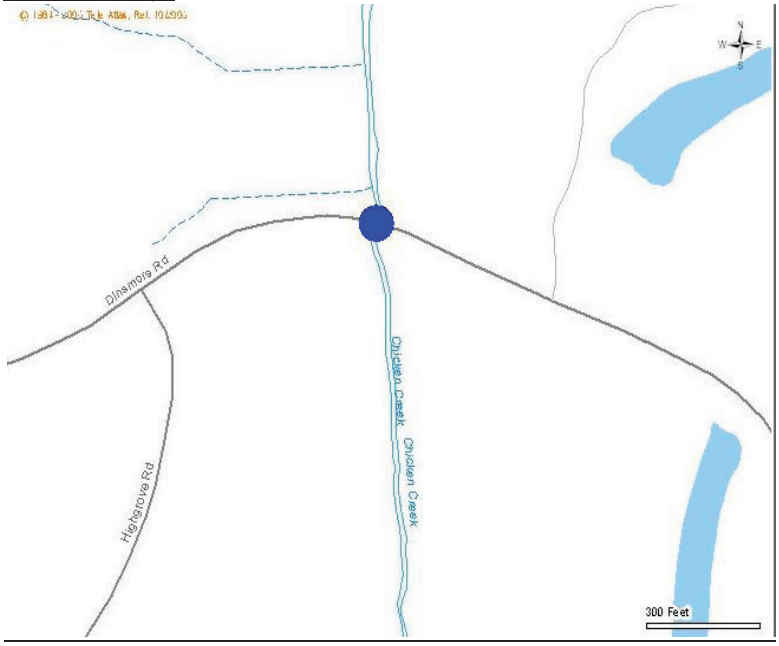
Summary of Findings

Repair Recommendations: Asphalt wearing surface needs to be patched and sealed. Spalling of precast beams needs to be patched, exposed reinforcement needs to be cleaned prior to patching concrete.	Repair/Replacement Priority: Medium Estimated Cost for Repairs: $5,000

Dinsmore Rd (CR 20) Over Chicken Creek

Bridge ID 121-5010-0

General

Road: Dinsmore Rd (CR 20) *Over:* Chicken Creek *Between* N Valleyfield Rd And Highgrove Rd *Structure Type: Precast Concrete Panels* *Year Built: 1965* *Length*: 60 FT *Width*: 36.5 FT *Span*: 2 Spans *Deck*: Precast Panels w/Asphalt W.S. *Superstructure*: 12- Double Tee Precast Panels *Substructure*: Concrete filled steel shell pile bent *Vehicle Protection*: W-beam Guardrail *Paint System*: Epoxy Mastic *Posted Load Limits*: YES* *Bus Route*:YES *Sufficiency Rating*: 82.13 *Utilities*: Gas and Water *Date of Inspection*: 2/12/2009	*Location Map:* 

Narrative Description

* load limit sign not required and may be removed per GDOT inspection. The bridge structure is in satisfactory condition with drift accumulated at bent #2.

Summary of Findings

Repair Recommendations: Drift accumulation at Bent 2 should be removed to reduce further accumulation and the possibility of scour.	Repair/Replacement Priority: Low Estimated Cost for Repairs: $1,000

City of Milton
Citywide Bridge Inventory

October 20, 2009

Batesville Rd (CR 23) Over Chicken Creek

Bridge ID 121-5011-0

General

Road: Batesville Rd (CR 23) *Over:* Chicken Creek *Between* Birmingham Hwy And Taylor Rd *Structure Type: Precast Concrete Panels* *Year Built: 1962* *Length*: 60 FT *Width*: 24.2 FT *Span*: 2 Spans *Deck*: Precast Panels w/Asphalt W.S. *Superstructure*: 9 - Double Tee Precast Panels *Substructure*: Concrete filled steel shell piles *Vehicle Protection*: W-beam Guardrail *Paint System*: None *Posted Load Limits*: NO *Bus Route*:YES *Sufficiency Rating*: 63.03 *Utilities*: Gas and Telephone *Date of Inspection*: 2/11/2009	*Location Map:* 

Narrative Description

This bridge structure is in satisfactory condition with undermining of the concrete encasements at piles #1 and #3 at bent 2.

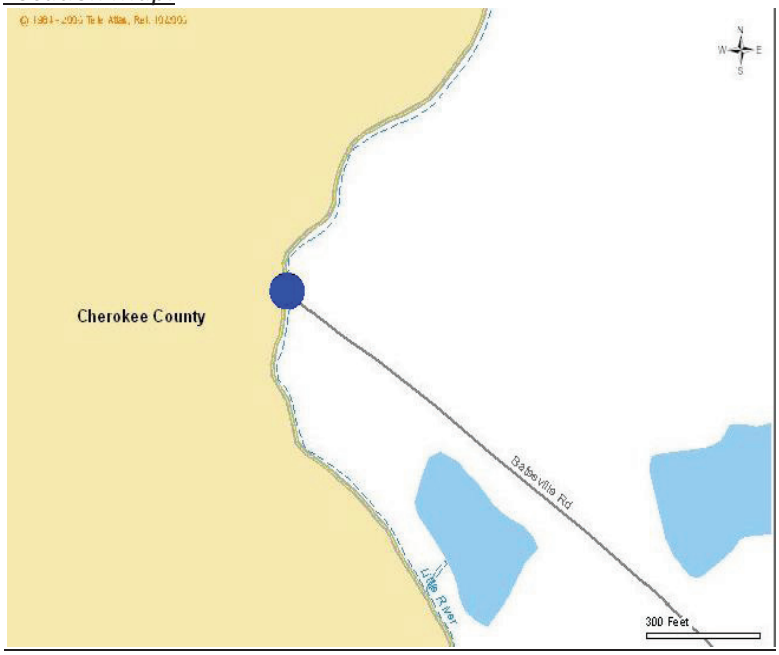
Summary of Findings

Repair Recommendations: The concrete pile encasements at Bent 2 should be extended to a point 2 feet below the mud line.	Repair/Replacement Priority: Low Estimated Cost for Repairs: $5,000

Batesville Rd (CR 23) Over Little River

Bridge ID 121-5012-0

General

Road: Batesville Rd (CR 23) *Over:* Little River *Between* Taylor Rd And The Fairway *Structure Type: Precast Concrete Panels* *Year Built: 1964* *Length*: 120 FT *Width*: 27.6 FT *Span*: 4 Spans *Deck*: Precast Panels w/Asphalt W.S. *Superstructure*: 9 - Double Tee Precast Panels *Substructure*: Concrete filled steel shell pile bents *Vehicle Protection*: W-beam Guardrail *Paint System*: None *Posted Load Limits*: YES* *Bus Route*:NO *Sufficiency Rating*: 60.25 *Utilities*: Telephone *Date of Inspection*: 2/11/2009	*Location Map:* 

Narrative Description

* load limit sign present on north end of bridge only but may be removed per GDOT inspection. This bridge structure is located on the Fulton-Cherokee County line and is in satisfactory condition with spalling of the concrete superstructure. Beam #1 in Span#1 is spalled rear of bent#2.

Summary of Findings

Repair Recommendations: The concrete spalls on Beam 1 in the superstructure should be sealed.	Repair/Replacement Priority: Low Estimated Cost for Repairs: $1,500

City of Milton
Citywide Bridge Inventory

October 20, 2009

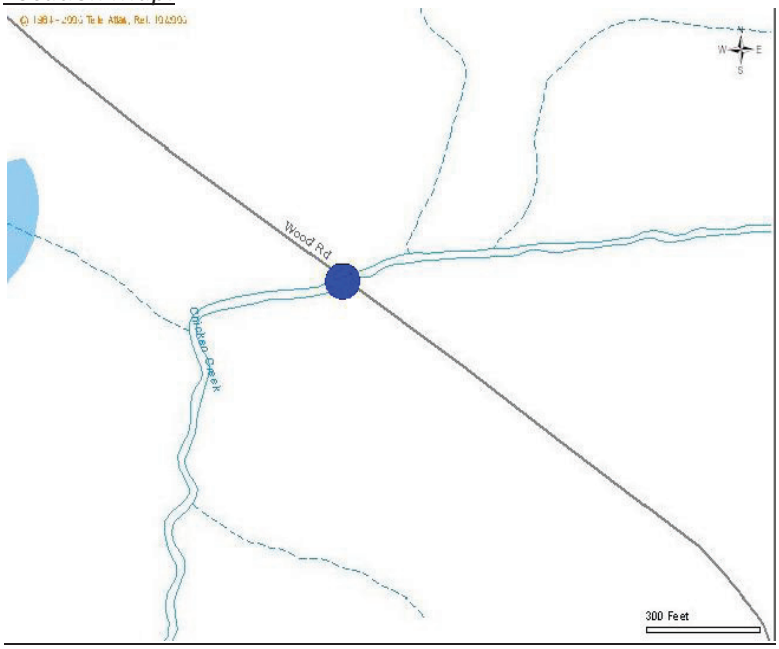
Wood Rd (CR 24) Over Chicken Creek

Bridge ID 121-5013-0

General

Road: Wood Rd (CR 24)
Over: Chicken Creek
Between Phillips Rd
And Birmingham Hwy
Structure Type: Precast Concrete Panels
Year Built: 1961
Length: 120 FT
Width: 24.7 FT
Span: 4 Spans
Deck: Precast Concrete Panels
Superstructure: 8 - Double Tee Precast Panels
Substructure: Concrete filled steel shell pile bents
Vehicle Protection: W-beam Guardrail
Paint System: Epoxy Mastic
Posted Load Limits: YES*
Bus Route:YES
Sufficiency Rating: 52.09
Utilities: Telephone
Date of Inspection: 1/13/2009

Location Map:



Narrative Description

* load limit sign not required and may be removed per GDOT inspection. This bridge structure is in fair condition with undermining of the pile encasements at bent #3. .

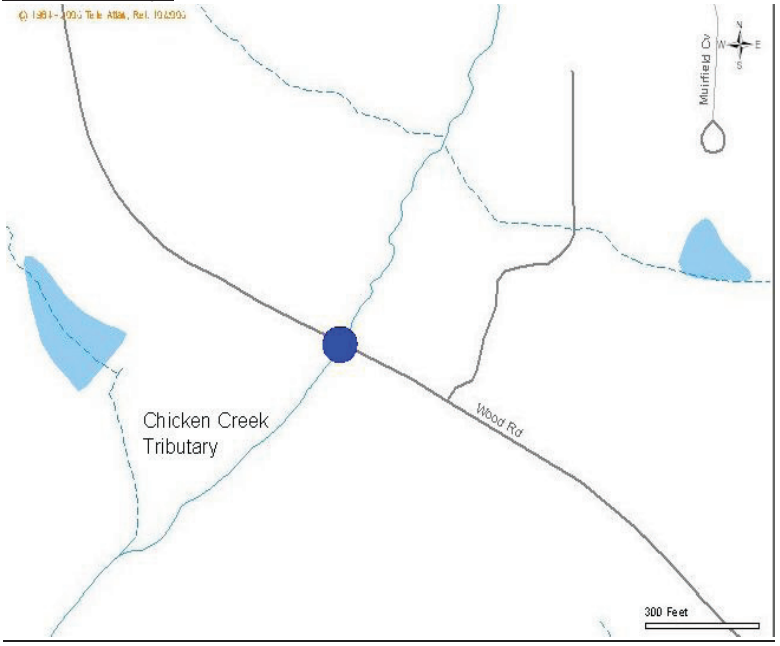
Summary of Findings

Repair Recommendations:	Repair/Replacement Priority: Medium
The pile encasements at Bent 3 should be extended to a point 2 feet below the mud line. The cracks and spalls in all precast concrete superstructure panels should be sealed to protect the reinforcement steel from corrosion	Estimated Cost for Repairs: $7,500

Wood Rd (CR 24) Over Chicken Creek Tributary

Bridge ID 121-5014-0

General

Road: Wood Rd (CR 24) *Over:* Chicken Creek Tributary *Between* Phillips Rd And Birmingham Hwy *Structure Type: Precast Concrete Panels* *Year Built: 1956* *Length*: 30 FT *Width*: 18.2 FT *Span*: 1 Span *Deck*: Precast Concrete Panels *Superstructure*: 6 - Double Tee Precast Panels *Substructure*: Concrete Gravity Wall *Vehicle Protection*: W-beam Guardrail *Paint System*: N/A *Posted Load Limits*: NO *Bus Route*:YES *Sufficiency Rating*: 63.28 *Utilities*: N/A *Date of Inspection*: 2/12/2009	*Location Map:* 

Narrative Description

This single-lane bridge structure is in satisfactory condition with no reported serious structural defects. There is exposed and corroded reinforcing steel on the end bents due to spalled concrete.

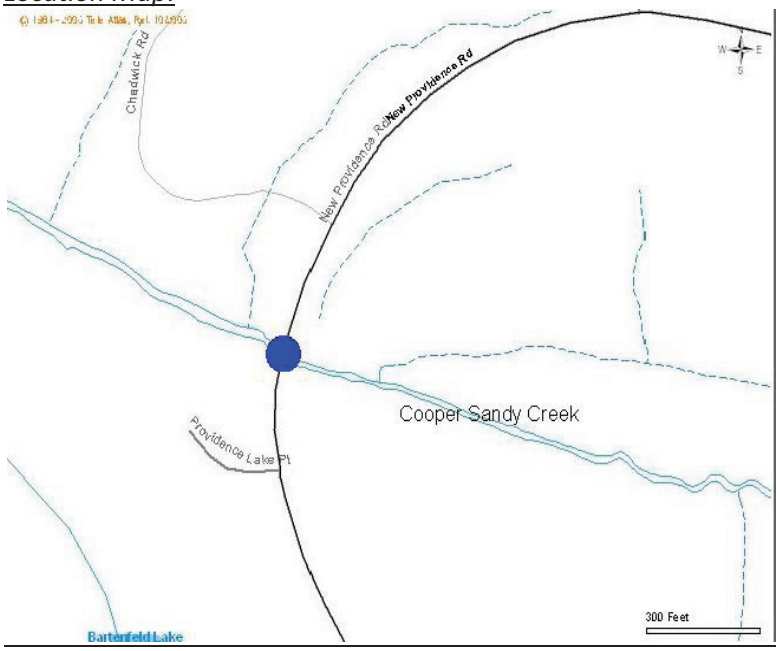
Summary of Findings

Repair Recommendations: The old timber pile cut-offs left in the stream channel should be removed to reduce the potential for drift accumulation. The spalling in the cap at the southern abutment should be sealed. Install advance signage for single lane bridge ahead.	Repair/Replacement Priority: Low Estimated Cost for Repairs: $2,500

New Providence Rd (CR 27) Over Cooper Sandy Creek

Bridge ID 121-5015-0

General

Road: New Providence Rd (CR 27) *Over:* Cooper Sandy Creek *Between* Providence Lake Point And Chadwick Rd *Structure Type: Precast Concrete Panels* *Year Built: 1962* *Length*: 90 FT *Width*: 24.2 FT *Span*: 3 Spans *Deck*: Precast Panels w/Asphalt W.S. *Superstructure*: 7 - Double Tee Precast Panels *Substructure*: Steel/Timber Pile Bents *Vehicle Protection*: Substandard Metail Railing (W-beam sections installed where damaged) *Paint System*: None *Posted Load Limits*: NO *Bus Route*:YES *Sufficiency Rating*: 18.71 *Utilities*: Gas, Water and Telephone *Date of Inspection*: 2/11/2009	*Location Map:* 

Narrative Description

This bridge structure has undergone a significant rehabilitation of the pile bents and has no reported deficiencies. Currently in fair condition (Sufficiency Rating 18.71 but needs to be verified with GDOT based on recent repairs)

Summary of Findings

Repair Recommendations: Replace substandard railing system with w-beam guardrail.	Repair/Replacement Priority: Medium/High depending on sufficiency rating Estimated Cost for Repairs: $3,500

Providence Rd (CR 27) Over Cooper Sandy Creek

Bridge ID 121-5016-0

General

Road: Providence Rd (CR 27) *Over:* Cooper Sandy Creek *Between* Providence Park Dr And Bethany Rd *Structure Type: Precast Concrete Panels* *Year Built: 1962* *Length*: 30 FT *Width*: 24.2 FT *Span*: 1 Span *Deck*: Precast Panels w/Asphalt W.S. *Superstructure*: 7 - Double Tee Precast Panels *Substructure*: Steel/Timber Soldier Piles w/Timber Lagging *Vehicle Protection*: W-beam Guardrail *Paint System*: Epoxy Mastic *Posted Load Limits*: NO* *Bus Route*:YES *Sufficiency Rating*: 52.63 *Utilities*: City Water *Date of Inspection*: 1/13/2009	*Location Map:* 

Narrative Description

* At time of inspection, the posting signs were missing. These signs are required and must be replaced. Post this structure for 16 Tons H-Truck; 17 Tons Type 3 Truck and 24 Tons Timber Truck. This structure requires posting due to the low original design capacity. A replacement structure is required to upgrade this structure to a point where posting is no longer required. This bridge structure is in fair condition with no reported deficiencies.

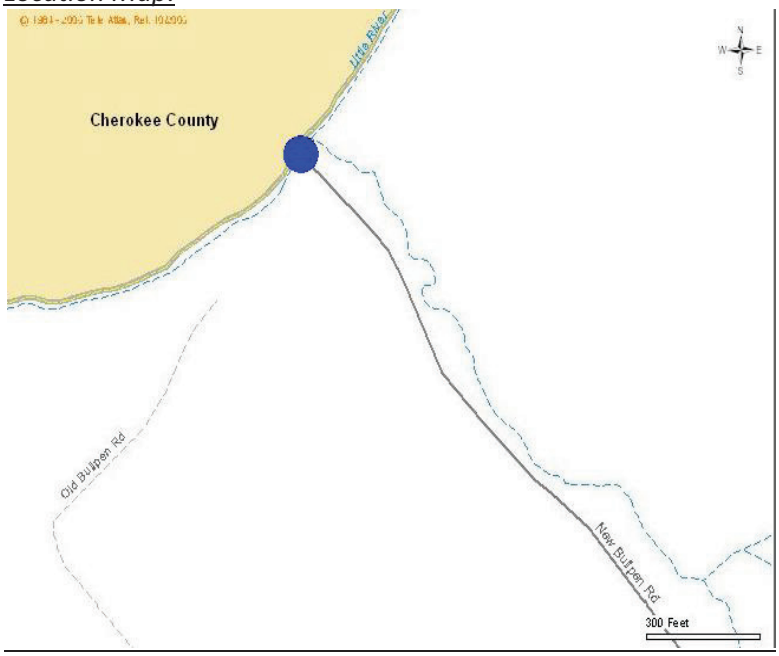
Summary of Findings

Repair Recommendations: Secure guardrail anchorages at NE and SE corners of bridge.	Repair/Replacement Priority: Medium Estimated Cost for Repairs: $1,000

New Bullpen Rd/Union Hill Rd (CR 1322) Over Little River

Bridge ID 121-5106-0

General

Road: New Bullpen Rd/Union Hill Rd (CR 1322) *Over:* Little River *Between* Birmingham Hwy And Steeplechase Rd *Structure Type: Concrete T-Beam* *Year Built: 1939* *Length*: 61 FT *Width*: 26.7 FT *Span*: 2 Spans *Deck*: Cast-in-place Concrete w/Asphalt W.S. *Superstructure*: Concrete T-Beams *Substructure*: Concrete Cap and Column *Vehicle Protection*: Concrete Railing *Paint System*: N/A *Posted Load Limits*: NO *Bus Route*:NO *Sufficiency Rating*: 48.98 *Utilities*: Telephone/Fiber Optic *Date of Inspection*: 2/12/2009	*Location Map:* 

Narrative Description

This all concrete bridge structure is located on the Fulton-Cherokee County line and is in fair condition with no reported deficiencies.

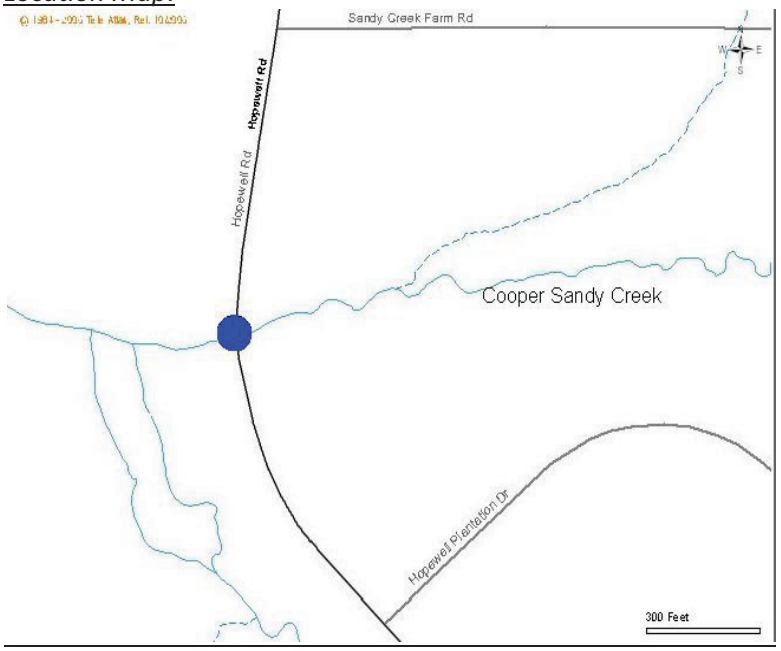
Summary of Findings

Repair Recommendations: Install approach guardrail at all four corners and anchor to bridge endposts.	Repair/Replacement Priority: Medium Estimated Cost for Repairs: $3,500

Hopewell Rd (CR 1323) Over Cooper Sandy Creek

Bridge ID 121-5107-0

General

Road: Hopewell Rd (CR 1323) *Over:* Cooper Sandy Creek *Between* Hopewell Plantation Dr And Sandy Creek Farm *Structure Type: Corrugated Metal Arch Culvert with masonry facing* *Year Built: 1953* *Length*: 35 FT *Width*: *Span*: 2 Spans *Deck*: N/A *Superstructure*: Double 16' span x 12' rise arch culvert *Substructure*: N/A *Vehicle Protection*: W-beam Guardrail (west side) *Paint System*: N/A *Posted Load Limits*: NO *Bus Route*:YES *Sufficiency Rating*: 91.07 *Utilities*: N/A *Date of Inspection*: 1/9/2009	*Location Map:* 

Narrative Description

This arch culvert is in good condition with no reported deficiencies.

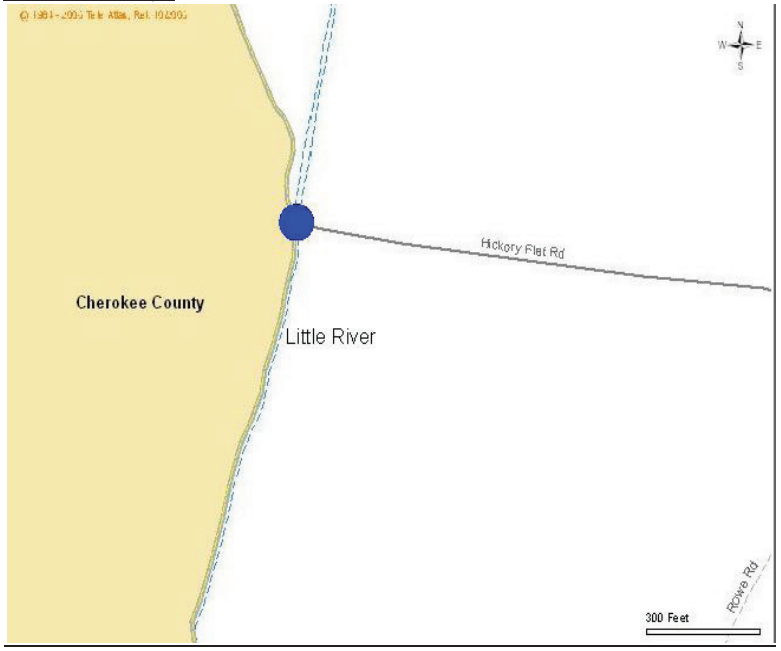
Summary of Findings

Repair Recommendations: None	Repair/Replacement Priority: Low Estimated Cost for Repairs: $-

Birmingham Rd (CR 4) Over Little River

Bridge ID 121-5151-0

General

Road: Birmingham Rd (CR 4) *Over:* Little River *Between* Roper Rd And Clarity Rd *Structure Type: Precast Concrete Panels* *Year Built: 1968* *Length*: 90 FT *Width*: 24 FT *Span*: 3 Spans *Deck*: Precast Panels w/Asphalt W.S. *Superstructure*: 8 - Double Tee Precast Panels *Substructure*: Concrete filled steel shell piles *Vehicle Protection*: W-beam Guardrail (west side) *Paint System*: Epoxy Mastic *Posted Load Limits*: YES *Bus Route*:NO *Sufficiency Rating*: 40.83 *Utilities*: Telephone *Date of Inspection*: 2/12/2009	*Location Map:* 

Narrative Description

This structure is located on the Fulton-Cherokee County line and is posted for 10 Tons H-Truck; 12 Tons Type 3 Truck; 15 Tons Timber Truck and 18 Tons Type 3S2 Truck. This structure requires posting due to the concrete deck slab panels not being properly bolted together. If the panels were properly bolted and grouted together, this bridge could be upgraded to a point where posting would not be required . This bridge structure is in satisfactory condition with the exception of the substructure units. The concrete encasement at pile#2 of bent#2 has undermined.

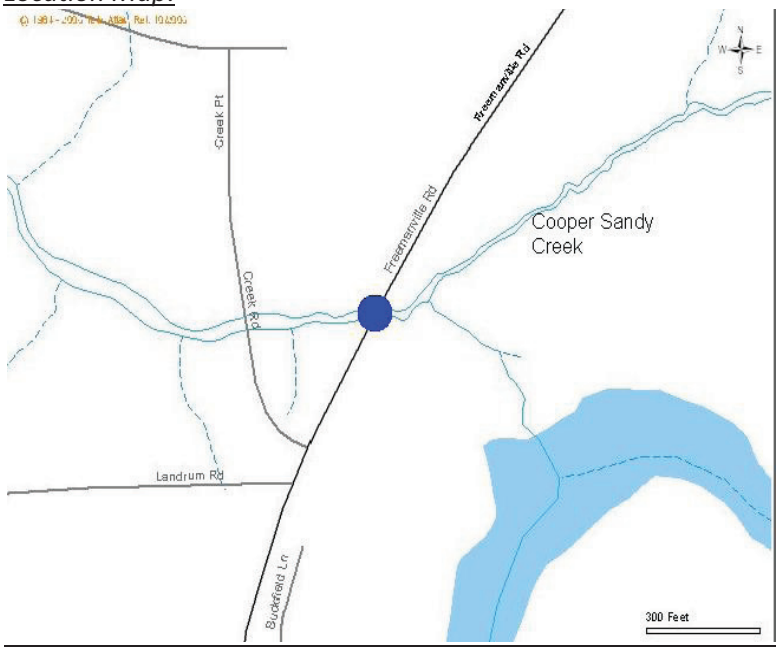
Summary of Findings

Repair Recommendations: Cracks in asphalt W.S. have been sealed; however, repair of eroded end slopes beneath bridge due to prior seepage of water thru deck panel joints is recommended. Clear dirt/debris and vegetation from both gutterlines.	Repair/Replacement Priority: Low Estimated Cost for Repairs: $2,500

Freemanville Rd (CR 34) Over Cooper Sandy Creek

Bridge ID 121-5153-0

General

Road: Freemanville Rd (CR 34) *Over:* Cooper Sandy Creek *Between* Creek Rd And Freemanwood Ln *Structure Type: Precast Concrete Panels* *Year Built: 1960* *Length*: 90 FT *Width*: 24.2 FT *Span*: 3 Spans *Deck*: Precast Panels w/Asphalt W.S. *Superstructure*: 8 - Double Tee Precast Panels *Substructure*: Concrete filled steel shell pile bents *Vehicle Protection*: W-beam Guardrail *Paint System*: Epoxy Mastic *Posted Load Limits*: YES *Bus Route*:YES *Sufficiency Rating*: 56.24 *Utilities*: Gas and Water *Date of Inspection*: 2/11/2009	*Location Map:* 

Narrative Description

This structure is posted for 18 tons H-Truck; 18 Tons Type 3 Truck and 22 Tons Timber Truck. This structure is posted due to overstress caused by the extra dead load of the 4.5 inch asphalt overlay. Any upgrade of the load carrying capacity would require removal of this overlay. At the present time, no maintenance repairs are required to maintain this structure at the current rating.

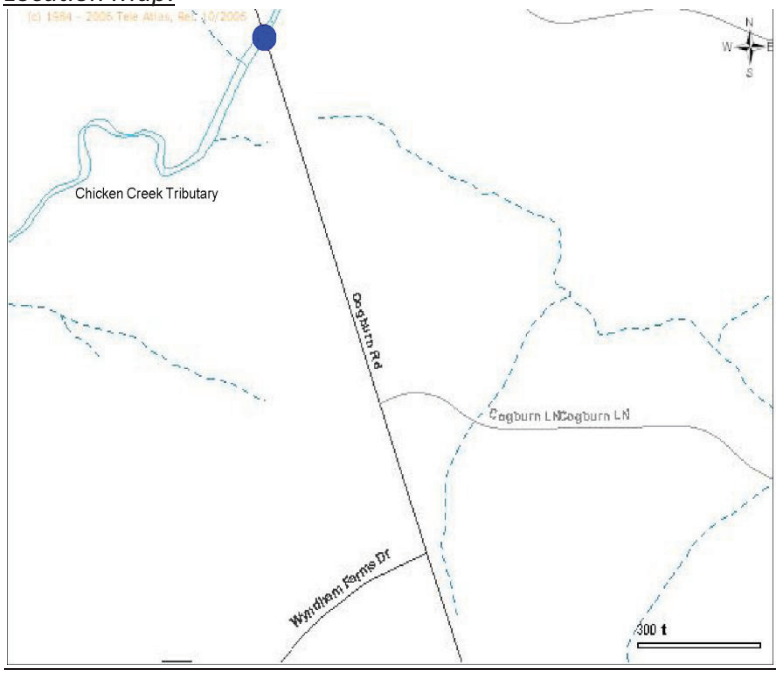
Summary of Findings

Repair Recommendations: None	Repair/Replacement Priority: Low Estimated Cost for Repairs: $-

Cogburn Rd (CR 37) Over Chicken Creek Tributary

Bridge ID 121-5202-0

General

Road: Cogburn Rd (CR 37) *Over:* Chicken Creek Tributary *Between* Wyndham Farms Dr And Francis Rd *Structure Type: Precast Concrete Panels* *Year Built: 1986* *Length*: 30 FT *Width*: 28.2 FT *Span*: 1 Span *Deck*: Precast Panels w/Asphalt W.S. *Superstructure*: 7 - Double Tee Precast Panels *Substructure*: Concrete filled steel shell piles *Vehicle Protection*: W-beam Guardrail *Paint System*: None *Posted Load Limits*: NO *Bus Route*:YES *Sufficiency Rating*: 58.95 *Utilities*: Gas, Water and Telephone *Date of Inspection*: 2/12/2009	*Location Map:* 

Narrative Description

This bridge structure is in good condition with no reported serious structural defects. However, there is severe guardail damage at the SW corner.

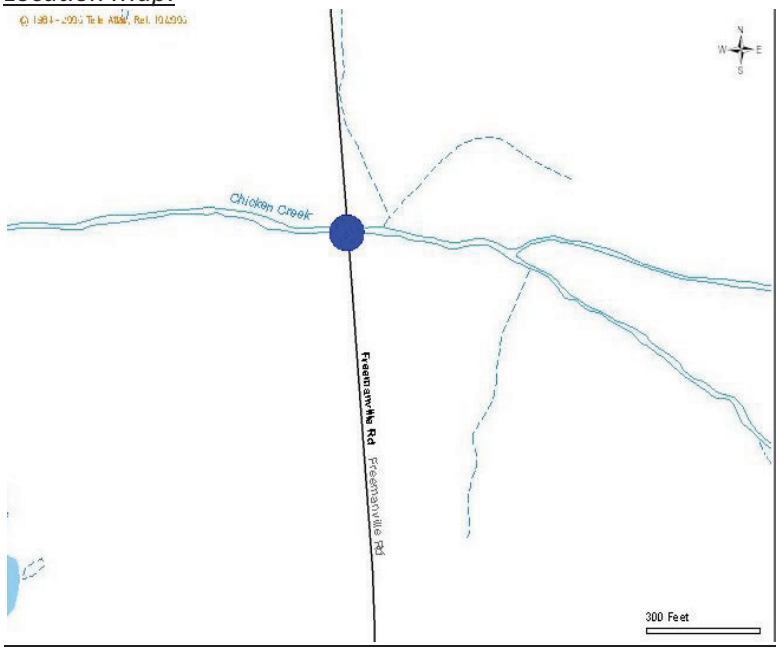
Summary of Findings

Repair Recommendations: Repair damaged guardrail immediately.	Repair/Replacement Priority: High Estimated Cost for Repairs: $1,000

Freemanville Rd (CR 34) Over Chicken Creek

Bridge ID 121-5303-0

General

Road: Freemanville Rd (CR 34) *Over:* Chicken Creek *Between* Phillips Rd And Louis Rd *Structure Type: Prestressed Concrete Beam* *Year Built: 2004* *Length*: 170 FT *Width*: 40 FT *Span*: 3 Spans *Deck*: Cast-in-place Concrete *Superstructure*: Type II & III PSC Beams *Substructure*: Concrete Cap and Column *Vehicle Protection*: Jersey Barrier w/pipe handrail *Paint System*: N/A *Posted Load Limits*: YES* *Bus Route*:YES *Sufficiency Rating*: unknown *Utilities*: N/A *Date of Inspection*: 12:00:00 AM	*Location Map:* 

Narrative Description

* The load limit sign is no longer required and may be removed per GDOT inspection. This is a new structure constructed in 2004; however, the inventory data is not available on GDOT's website.

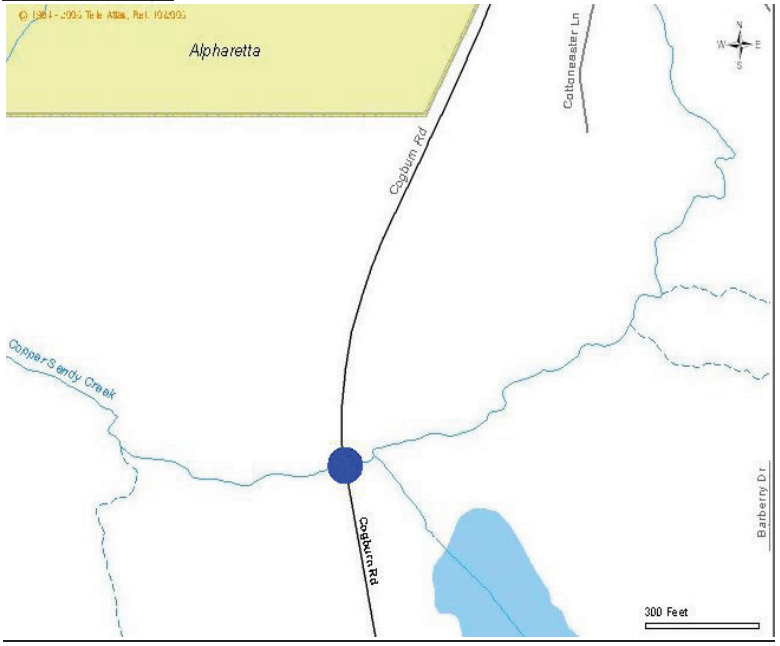
Summary of Findings

Repair Recommendations: None	Repair/Replacement Priority: Low Estimated Cost for Repairs: $-

Cogburn Rd (CR 37) Over Cooper Sandy Creek

Bridge ID MLT01

General

Road: Cogburn Rd (CR 37) *Over:* Cooper Sandy Creek *Between* Glaston Way And N Park *Structure Type: Precast Concrete Panels* *Year Built: 0* *Length*: 14 FT *Width*: 23.3 FT *Span*: 1 Span *Deck*: Precast Panels w/Asphalt W.S. *Superstructure*: 6 - Flat Slab Precast Panels *Substructure*: Timber Soldier Piles & Lagging *Vehicle Protection*: W Beam Guardrail *Paint System*: N/A *Posted Load Limits*: NO *Bus Route*:YES *Sufficiency Rating*: N/A *Utilities*: N/A *Date of Inspection*: 6/24/2009	*Location Map:* 

Narrative Description

Structure consists of precast concrete flat slab panels with asphalt overlay.The bridge is located on a heavily traveled road and is in fair condition. Deck drain openings have been paved over with asphalt. Minor spalls observed along underside of bridge and at curb in SE corner. Guardrail posts missing along west side of bridge making guardrail inadequate for vehicle protection. The timber wingwalls are in fair to poor condition. Three of the four wingwall corner posts have severe rot/decay just above mudline. Both wingwalls on east (upstream) side of bridge have rotated slightly and earth fills have eroded due to inadequate stormwater drainage from road. Some of the timber lagging members have failed due to rot.

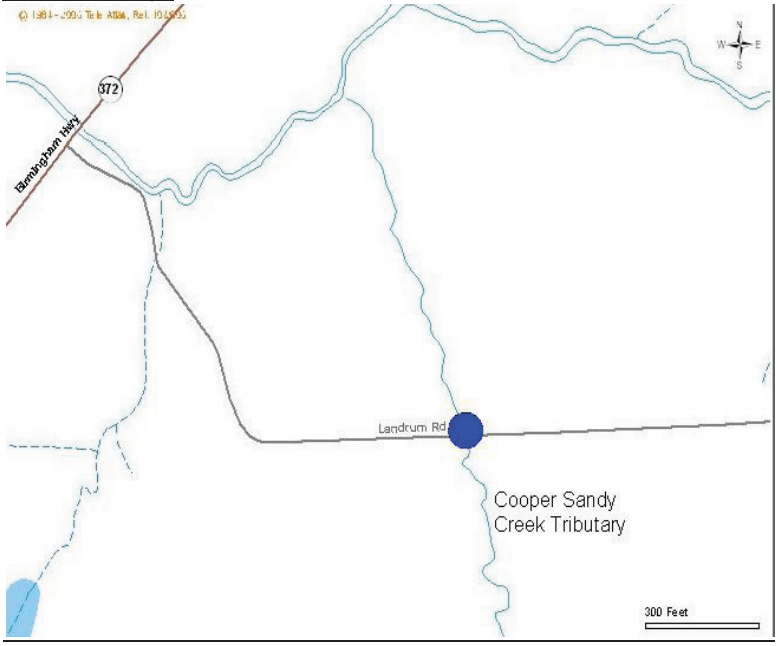
Summary of Findings

Repair Recommendations: For safety reasons, this bridge should be replaced with a wider structure on improved alignment to safely accommodate heavy traffic volumes and turning movements at adjacent school entrances. Provide adequate shoulders and sidewalk on east side.	Repair/Replacement Priority: High Estimated Cost for Repairs: $850,000

Landrum Rd Over Cooper Sandy Creek Tributary

Bridge ID MLT02

General

Road: Landrum Rd *Over:* Cooper Sandy Creek Tributary *Between* Birmingham Hwy And Freemanville Rd *Structure Type: Single Span Steel Beam* *Year Built: 0* *Length*: 19 FT *Width*: 14 FT *Span*: 1 Span *Deck*: 3x10 timber decking with timber curb *Superstructure*: 7 - 12" deep steel beams *Substructure*: Stone Masonry *Vehicle Protection*: W Beam Guardrail *Paint System*: None *Posted Load Limits*: YES *Bus Route*:YES *Sufficiency Rating*: N/A *Utilities*: GA Power, Water *Date of Inspection*: 4/3/2008	*Location Map:* 

Narrative Description

This single lane bridge is posted for a weight limit of 3 Tons. Both approach roadways are gravel and exhibit moderate settlement with several deep depressions in the roadway. Both bridge seats have debris build-up, which indicates failure of the endwalls. The timber deck planks are in good condition. The bridge rail is composed of steel W-beam guardrail nailed to the timber curb which is substandard and loose at several locations. The steel beams have severe rust, exfoliation and section loss. Even though the corrosion levels are severe, there are no signs of excessive deflection, rotation or failure in the steel members. No major defects were identified in the masonry walls, although the east abutment foundation has been undermined by the creek at the south corner.

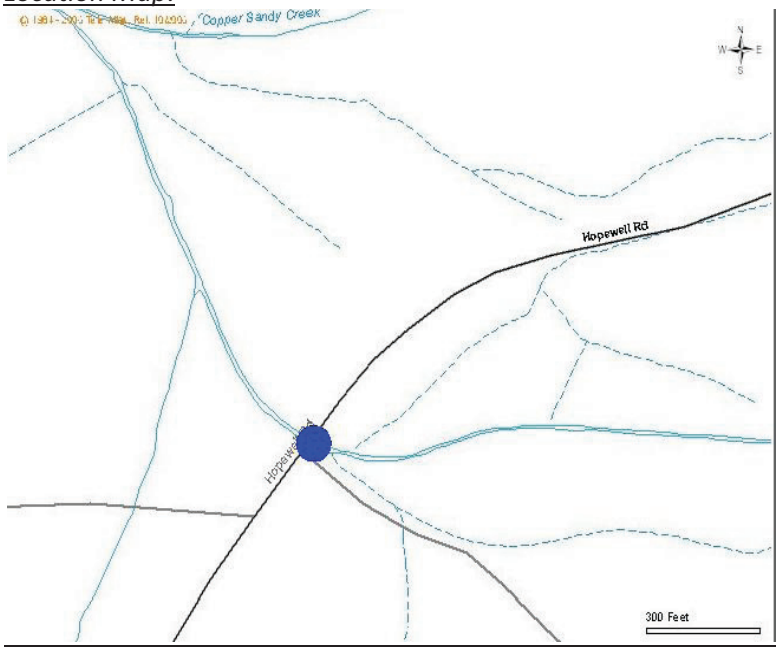
Summary of Findings

Repair Recommendations: Replacement with a prefabricated arch structure	Repair/Replacement Priority: High Estimated Cost for Repairs: $250,000

Hopewell Rd (CR 1323) Over Cooper Sandy Creek

Bridge ID MLT03

General

Road: Hopewell Rd (CR 1323) *Over:* Cooper Sandy Creek *Between* Redd Rd And Saddlesprings Dr. *Structure Type: Triple Cell Concrete Box Culvert* *Year Built: 0* *Length*: 33 FT *Width*: 20 FT *Span*: 3 Spans *Deck*: N/A *Superstructure*: Triple 8 FT x 8 FT Box Culvert *Substructure*: N/A *Vehicle Protection*: W Beam Guardrail *Paint System*: N/A *Posted Load Limits*: NO *Bus Route*:YES *Sufficiency Rating*: N/A *Utilities*: N/A *Date of Inspection*: 6/24/2009	*Location Map:* 

Narrative Description

Structure consists of a skewed triple cell 8 ft x 8ft concrete box culvert. Structure is in good condition with only siltation of northern most cell observed.

Summary of Findings

Repair Recommendations: Remove built up siltation from northern cell. Clear accumulated debris from south cells.	Repair/Replacement Priority: Low Estimated Cost for Repairs: $1,500

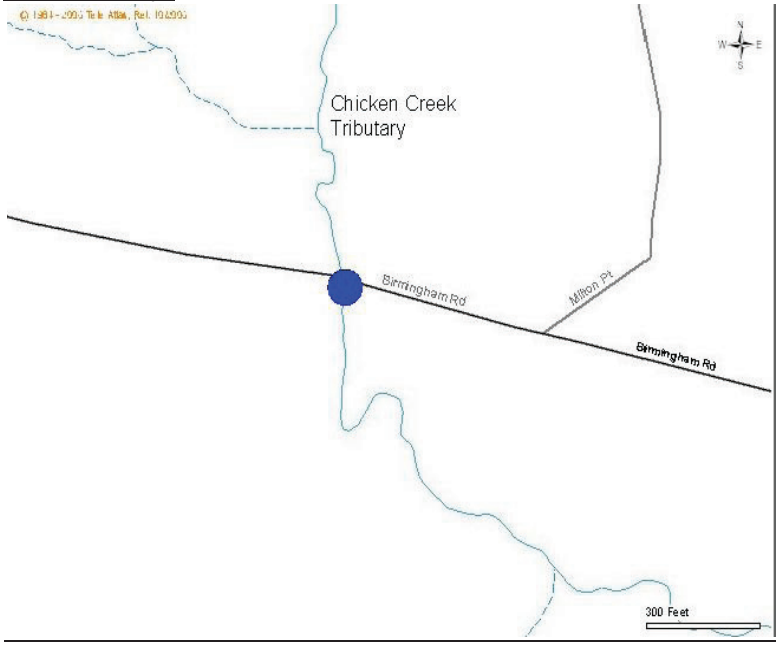
City of Milton
Citywide Bridge Inventory

October 20, 2009

Birmingham Rd (CR 4) Over Chicken Creek Tributary

Bridge ID MLT04

General

Road: Birmingham Rd (CR 4) *Over:* Chicken Creek Tributary *Between* Day Rd And Manor Terrace *Structure Type: Precast Concrete Panels* *Year Built: 0* *Length*: 23 FT *Width*: 23.2 FT *Span*: 1 Span *Deck*: Precast Panels w/Asphalt W.S. *Superstructure*: 6 - Double Tee Precast Panels *Substructure*: Timber Soldier Piles & Lagging *Vehicle Protection*: W Beam Guardrail *Paint System*: N/A *Posted Load Limits*: NO *Bus Route*:YES *Sufficiency Rating*: N/A *Utilities*: City Water & Atlanta Gas *Date of Inspection*: 6/24/2009	*Location Map:* 

Narrative Description

Structure consists of precast concrete double tee panels with asphalt overlay. Deck drain openings have been paved over with asphalt, water seepage thru cracks in wearing surface and down in between panels. Substructure consists of timber piles on a concrete cap. Timber planks are used to retain earth fill at end bents. The bridge is in fair condition. Deflection cracks observed in pavement at both ends of bridge and approach pavement has settled. It appears that the concrete stems have been patched but the patch material has begun peeling off in spots. Anchor bolts supporting guardrail posts have spalled along south side of bridge. Timber sheeting at SE corner has failed, and the SW corner post has failed due to rot. SW wingwall is beginning to fail at mudline.

Summary of Findings

Repair Recommendations: Patch and/or seal asphalt wearing surface on bridge deck. Level asphalt approach paving at each end. Closely monitor condition of timber piling & sheeting at ends of bridge and reapir as needed.	Repair/Replacement Priority: Medium Estimated Cost for Repairs: $5,000

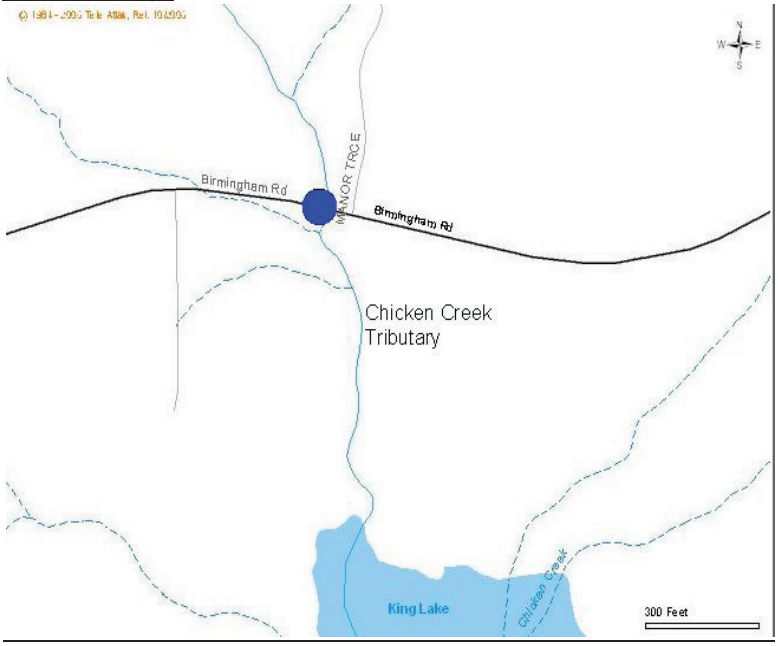
Birmingham Rd (CR 4) Over Chicken Creek Tributary

Bridge ID MLT05

General

Road: Birmingham Rd (CR 4)
Over: Chicken Creek Tributary
Between Freemanville Rd
And Milton Point
Structure Type: Precast Concrete Panels
Year Built: 0
Length: 15 FT
Width: 23.8 FT
Span: 1 Span
Deck: Precast Panels w/Asphalt W.S.
Superstructure: 6 - Flat Slab Precast Panels
Substructure: Steel/Timber Soldier Piles w/Timber Lagging
Vehicle Protection: Pipe Handrail
Paint System: None
Posted Load Limits: NO
Bus Route:YES
Sufficiency Rating: N/A
Utilities: City Water & Atlanta Gas
Date of Inspection: 6/24/2009

Location Map:



Narrative Description

Structure consists of precast concrete flat slab panels with asphalt overlay. Substructure consists of steel piles on a concrete cap. Timber planks are used to retain earth fill at end bents. The bridge is in good condition. Deflection cracks observed in pavement at both ends of bridge. It appears that the bridge substructure has been retrofitted since original construction. Original timber piles have been cut off and steel piles installed at each end bent. Some of the timber lagging has rotted and need to be replaced. Existing pipe hand rail is insufficient for vehicle protection.

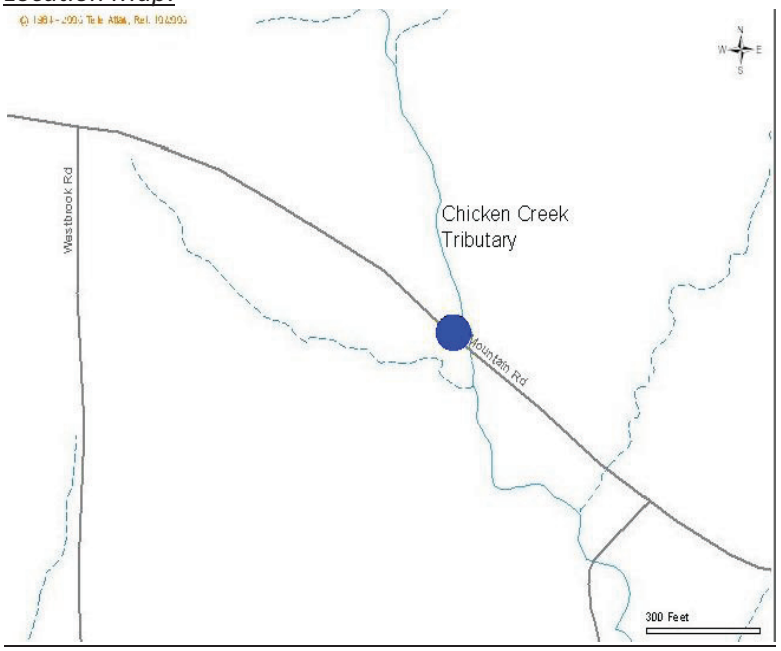
Summary of Findings

Repair Recommendations:	Repair/Replacement Priority: Medium
Install W-beam guardrail to replace pipe railling. Patch and/or seal asphalt wearing surface on bridge deck. Level asphalt approach paving at each end. Closely monitor condition of timber piling & sheeting material at each end of bridge.	Estimated Cost for Repairs: $7,500

Mountain Rd Over Chicken Creek Tributary

Bridge ID MLT06

General

Road: Mountain Rd *Over:* Chicken Creek Tributary *Between* Westbrook Rd And Phillips Circle *Structure Type: 6 FT Diameter Concrete Pipe* *Year Built: 0* *Length*: 73 FT *Width*: 6 FT *Span*: 1 Span *Deck*: N/A *Superstructure*: N/A *Substructure*: N/A *Vehicle Protection*: N/A *Paint System*: N/A *Posted Load Limits*: NO *Bus Route*:unknown *Sufficiency Rating*: N/A *Utilities*: City Water and AT&T *Date of Inspection*: 6/24/2009	*Location Map:* 

Narrative Description

This pipe structure is in satisfactory condition with isolated spalls on interior. Three of the pipe segments at the outfall end have settled and separated, causing water to flow down through the joint between the segments and underneath the final pipe segment resulting in undermining. Minor spalling observed on exterior of pipe at outfall. Channel erosion and undermining of pipe observed at outfall.

Summary of Findings

Repair Recommendations: Pump grout material in eroded areas at outfall end of pipe and beneath pipe to eliminate voids. Once voids are filled, seal gaps between pipe segments to prevent further undermining, erosion and pipe settlement. Monitor roadway surface above pipe and outfall end of pipe to verify performance of repair.	Repair/Replacement Priority: Low Estimated Cost for Repairs: $3,500