

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**OFFICE OF DESIGN POLICY & SUPPORT  
INTERDEPARTMENTAL CORRESPONDENCE**

**FILE** P.I. # 0012669 **OFFICE** Design Policy & Support  
Cherokee County  
GDOT District 6 - Cartersville **DATE** 9/15/2014  
Signal Upgrades at 9 Locations in Cherokee County

**FROM**  Brent Story, State Design Policy Engineer

**TO** SEE DISTRIBUTION

**SUBJECT** APPROVED CONCEPT REPORT

Attached is the approved Concept Report for the above subject project.

Attachment

**DISTRIBUTION:**

Glenn Bowman, Director of Engineering  
Joe Carpenter, Director of P3/Program Delivery  
Genetha Rice-Singleton, Assistant Director of P3/Program Delivery  
Albert Shelby, State Program Delivery Engineer  
Bobby Hilliard, Program Control Administrator  
Cindy VanDyke, State Transportation Planning Administrator  
Hiral Patel, State Environmental Administrator  
Kathy Zahul, State Traffic Engineer  
Angela Robinson, Financial Management Administrator  
Lisa Myers, State Project Review Engineer  
Charles "Chuck" Hasty, State Materials Engineer  
Mike Bolden, State Utilities Engineer  
Jeff Fletcher, Statewide Location Bureau Chief  
DeWayne Comer, District Engineer  
Michael Haithcock, District Preconstruction Engineer  
Kerry Bonner, District Utilities Engineer  
Cynthia Burney, Project Manager  
BOARD MEMBER - 11th Congressional District

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
LIMITED SCOPE PROJECT CONCEPT REPORT**

Project Type: Signals P.I. Number: 0012669  
 GDOT District: District 6 County: Cherokee  
 Federal Route Number: N/A State Route Number: 5 Bus, 92, 140, 372  
 Project Number: \_\_\_\_\_

**SR 5 BU @ 1 LOC; SR 92 @ 7 LOC & SR 140 @ 1 LOC IN CHEROKEE COUNTY**

**Submitted for approval:**

Kath Patrick 06/19/14  
 Kath Patrick, EIT, Atkins DATE

ASA Albert Shelby 6/20/14  
 State Program Delivery Engineer DATE

Cynthia Bunn 20 Jun 2014  
 GDOT Project Manager DATE

**Recommendation for approval:**

HIRAL PATEL\*/EKP 7/16/2014  
 State Environmental Administrator DATE

\_\_\_\_\_  
 State Traffic Engineer DATE

The concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Plan (RTP) and/or the State Transportation Improvement Program (STIP).

CINDY VANDUYKE\*/EKP 6/30/2014  
 State Transportation Planning Administrator DATE

**Approval:**

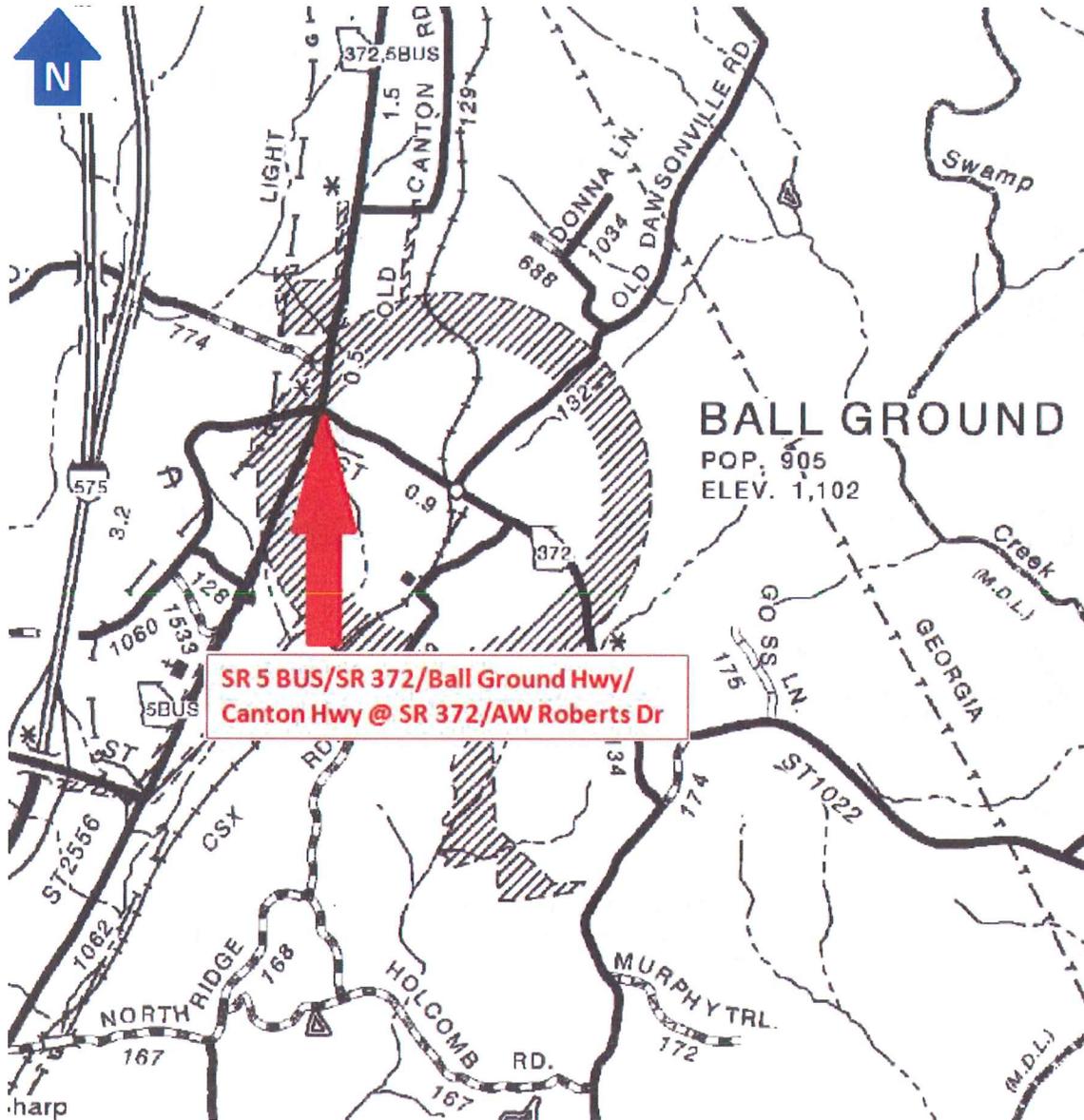
Concur: Dee Bonn 9/5/14  
 GDOT Director of Engineering DATE

Approve: QUAN MIM 9-9-14  
 GDOT Chief Engineer DATE

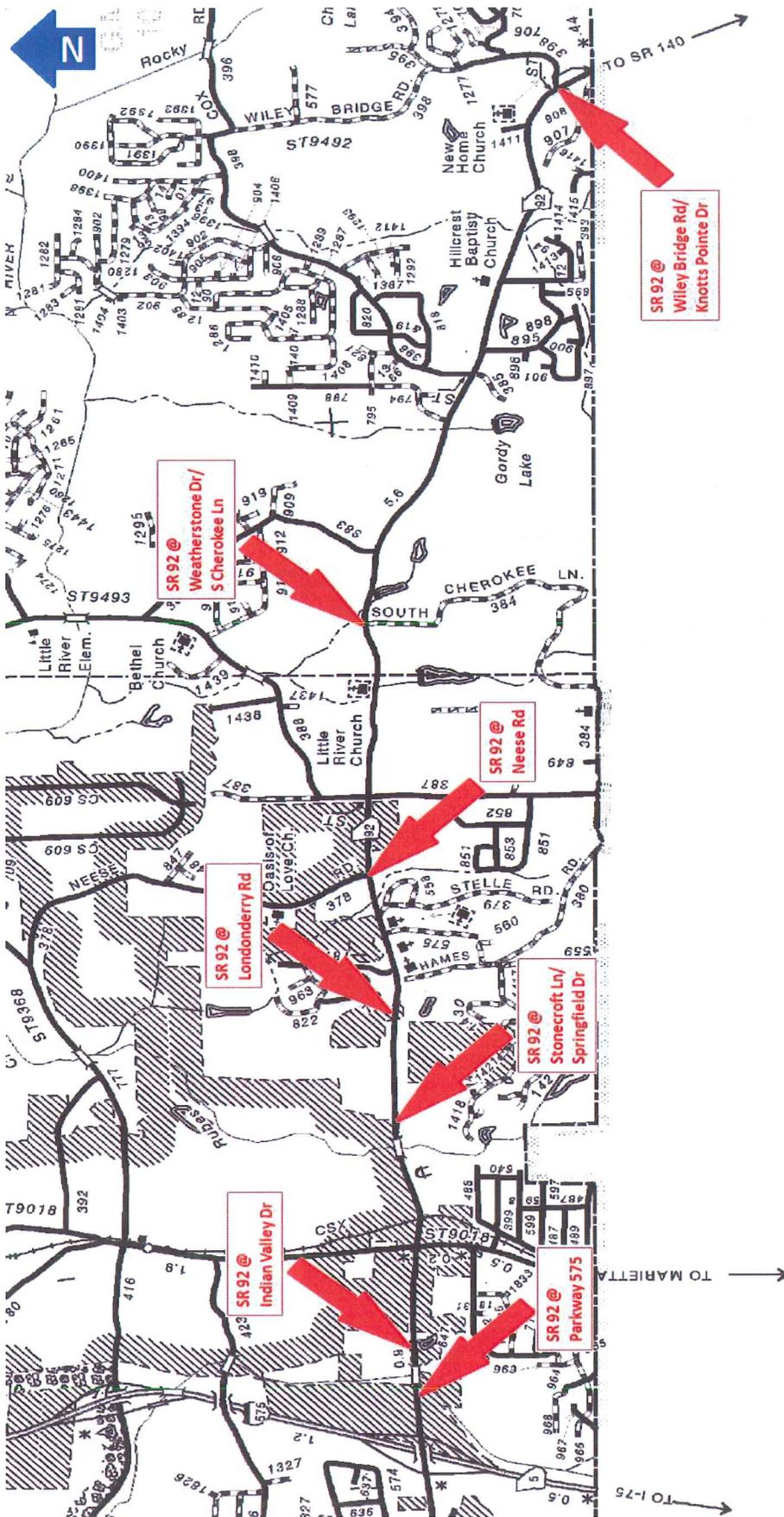
*\* - RECOMMENDATION ON FILE*

## PROJECT LOCATION

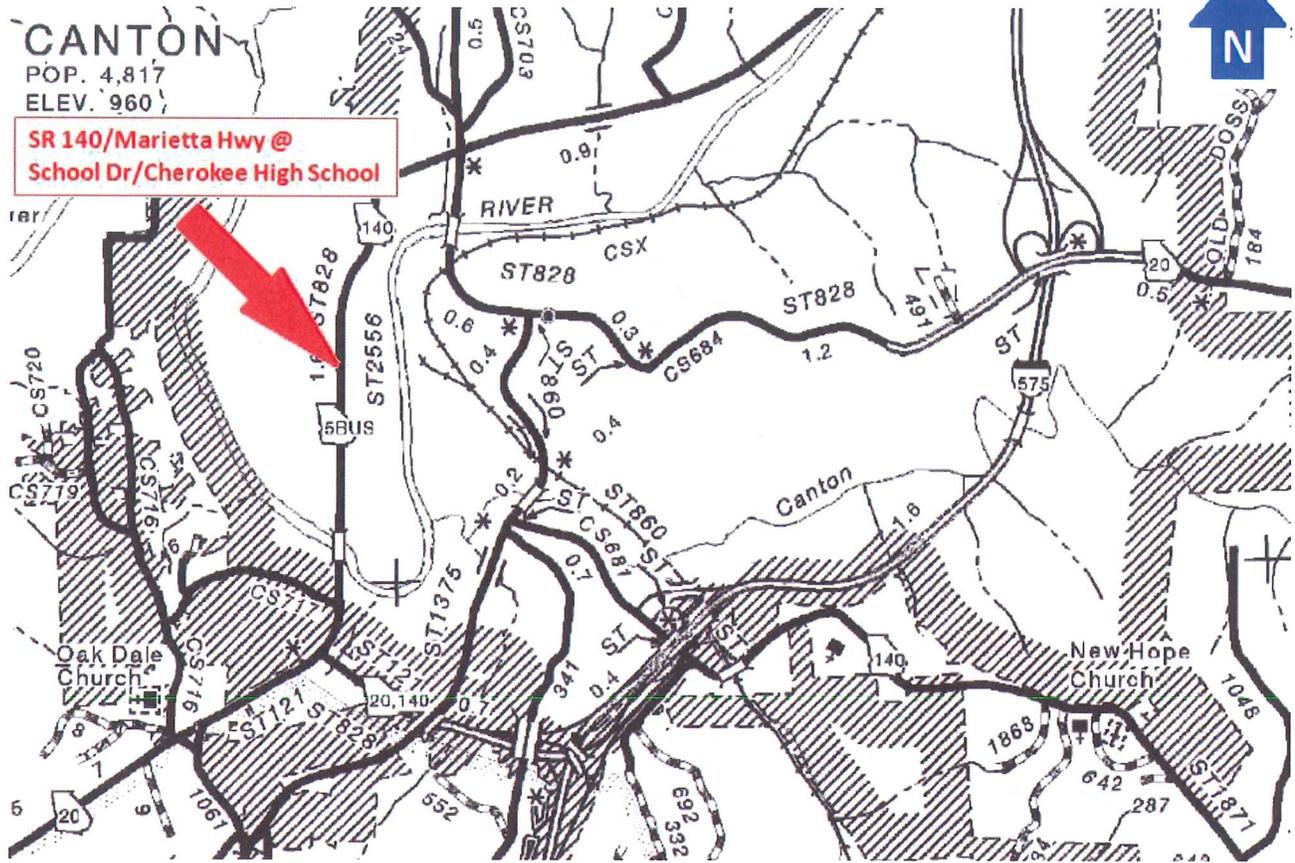
### SR 5 BUS (Map Not to Scale)



**SR 92 (Map Not to Scale)**



**SR 140 (Map Not to Scale)**



## PLANNING & BACKGROUND DATA

### Project Justification Statement:

There are nine (9) signalized intersections in Cherokee County in need of improvements to address compliance with current GDOT standards and the Manual on Uniform Traffic Control Devices (MUTCD) and the requirements of the Americans with Disabilities Act (ADA). The proposed project will enhance efficiency for vehicular and pedestrian movements at several locations by providing upgraded traffic signal equipment and pedestrian platforms, energy saving LED signal heads, wheelchair ramps, pedestrian signals, and crosswalk striping.

The intersections listed in Table 1 located in Cherokee County have been identified by The Office of Traffic Operation as high priority for minor intersection improvements. Table 1 also shows the reason the District has identified these intersections to be upgraded. The proposed project is to be included in the Atlanta Regional Commission Lump Sum Signal Upgrade fund.

**Table 1: Intersection Upgrade Needs**

| County   | City        | Primary Route                                    | Intersecting Road                  | Reason for Upgrade       |
|----------|-------------|--------------------------------------------------|------------------------------------|--------------------------|
| Cherokee | Ball Ground | SR 5 BUS / SR 372 / Ball Ground Hwy / Canton Hwy | SR 372 / AW Roberts Dr             | Obsolete Equipment / ADA |
| Cherokee | Woodstock   | SR 92                                            | Wiley Bridge Rd / Knotts Pointe Dr | Obsolete Equipment / ADA |
| Cherokee | Woodstock   | SR 92                                            | Weatherstone Dr / S Cherokee Ln    | Obsolete Equipment / ADA |
| Cherokee | Woodstock   | SR 92                                            | Neese Rd                           | Obsolete Equipment / ADA |
| Cherokee | Woodstock   | SR 92                                            | Londonderry Rd                     | Obsolete Equipment / ADA |
| Cherokee | Woodstock   | SR 92                                            | Stonecroft Ln / Springfield Dr     | Obsolete Equipment / ADA |
| Cherokee | Woodstock   | SR 92                                            | Indian Valley Dr                   | Obsolete Equipment       |
| Cherokee | Woodstock   | SR 92                                            | Parkway 575                        | Obsolete Equipment       |
| Cherokee | Canton      | SR 140 / Marietta Hwy                            | School Dr/Cherokee High School     | Obsolete Equipment/ADA   |

### Existing conditions:

- SR 5 Business/SR 372/Ball Ground Hwy/Canton Hwy at SR 372/AW Roberts Dr is a two-lane roadway with 12-foot lanes and a right turn lane onto Cartersville St WB.
- SR 92 at Wiley Bridge Rd/Knotts Pointe Dr is a four-lane divided roadway with 13-foot lanes, grass median, offset left turn lanes and right turn lanes.
- SR 92 at Weatherstone Dr/S Cherokee Ln is a four-lane divided roadway with 13-foot lanes, grass median, left turn lanes, and right turn lanes.
- SR 92 at Neese Rd is a four-lane divided roadway with 13-foot lanes, concrete medians, offset left turn lane on Neese Rd NB, offset u-turn lane from SR 92 WB, and right turn lane onto Neese Rd NB.
- SR 92 at Londonderry Rd is a four-lane divided roadway with 13-foot lanes, left turn lanes, and right turn lane onto Londonderry Rd SB.
- SR 92 at Stonecroft Ln/Springfield Dr is a four-lane divided roadway with 13-foot lanes, grass median, concrete median, offset left turn lanes, and right turn lanes.

County: Cherokee

- SR 92 at Indian Valley Dr is a six-lane divided roadway with 15-foot lanes, concrete medians, left turn lanes, and right turn lane onto Indian Valley Dr NB/QuikTrip Gas Station.
- SR 92 at Parkway 575 is a six-lane divided roadway with 13-foot lanes, concrete medians, left turn lanes, and right turn lanes.
- SR 140/Marietta Hwy at School Dr/Cherokee High School is a four-lane roadway with 13-foot lanes, left turn lanes, and right turn lanes

**Other projects in the area:**

- 0006040 – SR 140 from CR 765/E Cherokee Dr to I-575
- 0008256 – I-75/I-575 Managed Lanes in Cobb & Cherokee – This project will begin on I-75 where the current HOV system ends at Akers Mill Rd. It will be two bi-directional lanes from Akers Mill Rd to I-285. At I-285, the project will construct two reversible managed lanes on the west side of I-75 between I-285 and I-575, adjacent to the southbound lanes. Near the I-575 interchange, the managed lanes will move to the median. One lane will continue north on I-75 to north of Hickory Groove Rd. One lane will continue north on I-575 to Sixes Rd. The system will not interfere with general purpose interchange operations and will be tolled to improve effectiveness.
- 0009887 – SR 372 @ SR 369 – This project will construct a Roundabout at the intersection of SR 369 (Hightower Rd) and SR 372 (Ball Ground Rd) in Cherokee County.
- 0010655 – SR 92 @ 1 Location & CR 426/Robin Rd @ 1 Location – This Transportation Enhancement Project will aesthetically enhance the corridor along a portion of SR 92 between Santa Fe Trail and Woodland Dr, and the west side of Robin Rd between SR 92 and Bells Ferry Rd.
- 0013135 – Cherokee County Countywide Signal Timing Project
- 642400 – SR 372 @ Etowah River 2.3 miles SE of Ball Ground – This project consists of replacing a structurally deficient two lane bridge carrying SR 372 over Etowah River in NW Cherokee County.
- M004873 – SR 92 from CR 574/Cherokee Trail to CS 674/Canton Rd

**Description of the proposed project:** The project will upgrade equipment, accommodate pedestrians, and update pedestrian facilities to meet current ADA standards at the following intersections.

- SR 5 BUS/SR 372/Ball Ground Hwy/Canton Hwy @ SR 372/AW Roberts Dr
- SR 92 @ Wiley Bridge/Knotts Pointe Dr
- SR 92 @ Weatherstone Dr/S Cherokee Ln
- SR 92 @ Neese Rd
- SR 92 @ Londonderry Rd
- SR 92 @ Stonecroft Ln/Springfield Dr
- SR 92 @ Indian Valley Dr
- SR 92 @ Parkway 575
- SR 140/Marietta Hwy @ Cherokee High School/School Dr

The standard project limits will be 200 feet from the center point of the intersection; should setback loops need replacement, the project limits will be 500 feet from the center point of the intersection. If setback loops are present, the survey should include the edge of pavement and property lines to the setback loop. Standard erosion control details should be used. Traffic studies are not needed for this project. The scope of this project will be limited to equipment upgrades, pedestrian accommodations, and updating pedestrian facilities to meet ADA standards.

**MPO:** Atlanta TMA

**TIP #:** N/A

**TIA Regional Commission:** Not a TIA Project

**Congressional District(s):** 11

**Federal Oversight:**  Exempt     State Funded     Other

**Projected Traffic:** N/A

Current Year (20WW): N/A    Open Year (20XX): N/A

Design Year (20YY): N/A

Traffic Projections Performed by: N/A

**Functional Classification (Mainline):**

- SR 5 BUS/SR 372 – Rural Major Collector
- SR 92 – Urban Principal Arterial
- SR 140 – Urban Minor Arterial

**Complete Streets - Bicycle, Pedestrian, and/or Transit Warrants:**

Warrants met:     None     Bicycle     Pedestrian     Transit

**DESIGN AND STRUCTURAL**

**Description of Proposed Project:**

**Major Structures:** N/A

**Mainline Design Features:**

**SR 5 BUS/SR 372 – Rural Major Collector**

| Feature                                 | Existing | Standard* | Proposed |
|-----------------------------------------|----------|-----------|----------|
| <b>Typical Section</b>                  |          |           |          |
| - Number of Lanes                       | 2        | N/A       | N/A      |
| - Lane Width(s)                         | 12 ft    | N/A       | N/A      |
| - Median Width & Type                   | N/A      | N/A       | N/A      |
| - Outside Shoulder or Border Area Width | N/A      | N/A       | N/A      |
| - Outside Shoulder Slope                | N/A      | N/A       | N/A      |
| - Inside Shoulder Width                 | N/A      | N/A       | N/A      |
| - Sidewalks                             | Yes      | N/A       | N/A      |
| - Auxiliary Lanes                       | N/A      | N/A       | N/A      |
| - Bike Lanes                            | N/A      | N/A       | N/A      |
| Posted Speed                            | 45 mph   |           | N/A      |
| Design Speed                            | N/A      | N/A       | N/A      |
| Min Horizontal Curve Radius             | N/A      | N/A       | N/A      |
| Maximum Superelevation Rate             | N/A      | N/A       | N/A      |
| Maximum Grade                           | N/A      | N/A       | N/A      |
| Access Control                          | N/A      | N/A       | N/A      |
| Design Vehicle                          | N/A      | N/A       | N/A      |

**SR 92 – Urban Principal Arterial**

| Feature                                 | Existing             | Standard* | Proposed |
|-----------------------------------------|----------------------|-----------|----------|
| <b>Typical Section</b>                  |                      |           |          |
| - Number of Lanes                       | Varies: 4-6          | N/A       | N/A      |
| - Lane Width(s)                         | Varies: 13ft – 15 ft | N/A       | N/A      |
| - Median Width & Type                   | Width Varies; Grass  | N/A       | N/A      |
| - Outside Shoulder or Border Area Width | N/A                  | N/A       | N/A      |
| - Outside Shoulder Slope                | N/A                  | N/A       | N/A      |
| - Inside Shoulder Width                 | N/A                  | N/A       | N/A      |
| - Sidewalks                             | Yes and No           | N/A       | N/A      |
| - Auxiliary Lanes                       | N/A                  | N/A       | N/A      |
| - Bike Lanes                            | N/A                  | N/A       | N/A      |
| Posted Speed                            | 45 mph               |           | N/A      |
| Design Speed                            | N/A                  | N/A       | N/A      |
| Min Horizontal Curve Radius             | N/A                  | N/A       | N/A      |
| Maximum Superelevation Rate             | N/A                  | N/A       | N/A      |
| Maximum Grade                           | N/A                  | N/A       | N/A      |
| Access Control                          | N/A                  | N/A       | N/A      |
| Design Vehicle                          | N/A                  | N/A       | N/A      |

\*According to current GDOT design policy if applicable

**SR 140 – Urban Minor Arterial**

| Feature                                 | Existing                      | Standard* | Proposed |
|-----------------------------------------|-------------------------------|-----------|----------|
| <b>Typical Section</b>                  |                               |           |          |
| - Number of Lanes                       | 4                             | N/A       | N/A      |
| - Lane Width(s)                         | 13 ft                         | N/A       | N/A      |
| - Median Width & Type                   | N/A                           | N/A       | N/A      |
| - Outside Shoulder or Border Area Width | N/A                           | N/A       | N/A      |
| - Outside Shoulder Slope                | N/A                           | N/A       | N/A      |
| - Inside Shoulder Width                 | N/A                           | N/A       | N/A      |
| - Sidewalks                             | Yes                           | N/A       | N/A      |
| - Auxiliary Lanes                       | N/A                           | N/A       | N/A      |
| - Bike Lanes                            | N/A                           | N/A       | N/A      |
| Posted Speed                            | 45 mph; School Zone<br>35 mph |           | N/A      |
| Design Speed                            | N/A                           | N/A       | N/A      |
| Min Horizontal Curve Radius             | N/A                           | N/A       | N/A      |
| Maximum Superelevation Rate             | N/A                           | N/A       | N/A      |
| Maximum Grade                           | N/A                           | N/A       | N/A      |
| Access Control                          | N/A                           | N/A       | N/A      |
| Design Vehicle                          | N/A                           | N/A       | N/A      |

**Major Interchanges/Intersections:**

- SR 5 BUS/SR 372/Ball Ground Hwy/Canton Hwy @ SR 372/AW Roberts Dr
- SR 92 @ Wiley Bridge Rd/Knotts Pointe Dr
- SR 92 @ Weatherstone Dr/S Cherokee Ln
- SR 92 @ Neese Rd
- SR 92 @ Londonderry Rd
- SR 92 @ Stonecroft Ln/Springfield Dr
- SR 92 @ Indian Valley Dr
- SR 92 @ Parkway 575
- SR 140/Marietta Hwy @ School Dr/Cherokee High School

**Lighting required:**  No  Yes

**Transportation Management Plan [TMP] Required:**  No  Yes  
If Yes: Project classified as:  Non-Significant  Significant  
TMP Components Anticipated:  TTC  TO  PI

**Will Context Sensitive Solutions procedures be utilized?**  No  Yes

**Design Exceptions to FHWA/AASHTO controlling criteria anticipated:** None

**Design Variances to GDOT Standard Criteria anticipated:** None

### UTILITY AND PROPERTY

**Temporary State Route Needed:**  No  Yes  Undetermined

**Railroad Involvement:** None

**Utility Involvements:** There are no anticipated utility impacts. Power service will be required for CCTV camera installations. Utility companies are as follows:

- Cobb EMC – Electric Distribution
- Georgia Power – Electric Distribution
- AT&T – Telecom
- Windstream – Telecom
- TDS Telecom – Telecom
- Cherokee County Water and Sewer – Water and Sewer
- City of Woodstock – Water and Sewer
- Sunesys – Telecom
- Atlanta Gas Light – Gas
- Comcast – Cable TV

**SUE Required:**  No  Yes

**Public Interest Determination Policy and Procedure recommended?**  No  Yes

**Right-of-Way:** Existing width: \_ft Proposed width: \_ft  
Required Right-of-Way anticipated:  No  Yes  Undetermined  
Easements anticipated:  None  Temporary  Permanent  Utility  Other

Anticipated number of impacted parcels: N/A  
Displacements anticipated: Total: N/A  
Businesses: N/A  
Residences: N/A  
Other: N/A

## ENVIRONMENTAL AND PERMITS

### Anticipated Environmental Document:

GEPA:  NEPA:  CE  PCE

MS4 Compliance – Is the project located in an MS4 area?  No  Yes

Environmental Permits, Variances, Commitments, and Coordination anticipated: None anticipated.

### Air Quality:

Is the project located in a PM 2.5 Non-attainment area?  No  Yes  
 Is the project located in an Ozone Non-attainment area?  No  Yes  
 Is a Carbon Monoxide hotspot analysis required?  No  Yes

NEPA/GEPA Comments & Information: Based on the nature of the project, impacts to history, archaeology, ecology, air and noise are expected to be minimal to none.

## COORDINATION, ACTIVITIES, RESPONSIBILITIES, AND COSTS

Project Meetings: Project Kick-Off Meeting 05/08/2014. Meeting minutes attached.

| Project Activity                            | Party Responsible for Performing Task(s) |
|---------------------------------------------|------------------------------------------|
| Concept Development                         | Atkins                                   |
| Design                                      | Atkins                                   |
| Right-of-Way Acquisition                    | N/A                                      |
| Utility Relocation                          | GDOT/Utility Companies                   |
| Letting to Contract                         | GDOT                                     |
| Construction Supervision                    | GDOT                                     |
| Providing Material Pits                     | N/A                                      |
| Providing Detours                           | N/A                                      |
| Environmental Studies, Documents, & Permits | Atkins                                   |
| Environmental Mitigation                    | GDOT                                     |
| Construction Inspection & Materials Testing | GDOT                                     |

Other coordination to date: Kickoff Meeting 05/08/2014

### Project Cost Estimate and Funding Responsibilities:

|                  | Breakdown of PE | ROW             | Reimbursable Utility | CST*            | Environmental Mitigation | Total Cost     |
|------------------|-----------------|-----------------|----------------------|-----------------|--------------------------|----------------|
| Funded By        | <i>GDOT</i> ARC | <i>GDOT</i> ARC | GDOT                 | <i>GDOT</i> ARC | N/A                      |                |
| \$ Amount        | \$364,727.85    | \$0             | \$325,000.00         | \$1,161,793.78  |                          | \$1,851,521.63 |
| Date of Estimate | 2/15/2013       | 6/19/2014       | 8/11/2014            | 6/16/2014       |                          |                |

\*CST Cost includes: Construction and Engineering and Inspection.

## ALTERNATIVES DISCUSSION

|                                                                                           |     |                              |     |
|-------------------------------------------------------------------------------------------|-----|------------------------------|-----|
| <b>No-Build Alternative:</b>                                                              |     |                              |     |
| <b>Estimated Property Impacts:</b>                                                        | N/A | <b>Estimated Total Cost:</b> | N/A |
| <b>Estimated ROW Cost:</b>                                                                | N/A | <b>Estimated CST Time:</b>   | N/A |
| <b>Rationale:</b> Does not fulfill the objectives of the Project Justification Statement. |     |                              |     |

**Comments/Additional Information:** None

## LIST OF ATTACHMENTS/SUPPORTING DATA

1. Revisions to Program Costs
2. Cost Estimate
3. Kick-Off Meeting Minutes
4. Utility Cost Estimate

# DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

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INTERDEPARTMENT CORRESPONDENCE

FILE P.I. No.

OFFICE

**Project Description**

DATE

FROM

TO Lisa L. Myers, State Project Review Engineer

**SUBJECT REVISIONS TO PROGRAMMED COSTS**

PROJECT MANAGER

MGMT LET DATE

MGMT ROW DATE

**PROGRAMMED COST (TPro W/OUT INFLATION)**

**LAST ESTIMATE UPDATE**

CONSTRUCTION \$

DATE

RIGHT OF WAY \$

DATE

UTILITIES \$

DATE

**REVISED COST ESTIMATES**

CONSTRUCTION\* \$

RIGHT OF WAY \$

UTILITIES \$

\*Cost Contains  % Contingency

**REASON FOR COST INCREASE**

**CONTINGENCY SUMMARY**

Construction Cost Estimate: \$

(Base Estimate from CES)

Contingency: \$

(Base Estimate x  %)

See Contingency Table in GDOT Policy 3A-9 for %

Total Liquid AC Adjustment: \$

(From Attached Worksheet)

**Construction Total:** \$

**REIMBURSABLE UTILITY COST**

Utility Owner

Reimbursable Cost

Attachments:

STATE HIGHWAY AGENCY  
 DATE : 06/16/2014  
 JOB DETAIL ESTIMATE

JOB NUMBER : 0012669      SPEC YEAR: 01  
 DESCRIPTION: SR 5 BU @ 1 LOC; SR 92 @ 7 LOC & SR 140 @ 1 LOC

ITEMS FOR JOB 0012669

| LINE                | ITEM     | UNITS | DESCRIPTION                         | QUANTITY | PRICE    | AMOUNT     |
|---------------------|----------|-------|-------------------------------------|----------|----------|------------|
| 0005                | 150-1000 | LS    | TRAFFIC CONTROL - 0012669           | 1.000    | 52689.06 | 52689.06   |
| 0010                | 163-0232 | AC    | TEMPORARY GRASSING                  | 1.000    | 437.96   | 437.96     |
| 0015                | 163-0240 | TN    | MULCH                               | 10.000   | 275.41   | 2754.12    |
| 0020                | 441-0108 | SY    | CONC SIDEWALK, 8 IN                 | 900.000  | 47.66    | 42898.82   |
| 0025                | 636-1020 | SF    | HWY SGN, TP1MAT, REFL SH TP3        | 150.000  | 19.88    | 2982.52    |
| 0030                | 636-1033 | SF    | HWY SIGNS, TP1MAT, REFL SH TP 9     | 580.500  | 19.43    | 11280.17   |
| 0035                | 647-1000 | LS    | TRAF SIGNAL INSTALLATION NO - 1     | 1.000    | 75000.00 | 75000.00   |
| 0040                | 647-1000 | LS    | TRAF SIGNAL INSTALLATION NO - 2     | 1.000    | 75000.00 | 75000.00   |
| 0045                | 647-1000 | LS    | TRAF SIGNAL INSTALLATION NO - 3     | 1.000    | 75000.00 | 75000.00   |
| 0050                | 647-1000 | LS    | TRAF SIGNAL INSTALLATION NO - 4     | 1.000    | 75000.00 | 75000.00   |
| 0055                | 647-1000 | LS    | TRAF SIGNAL INSTALLATION NO - 5     | 1.000    | 75000.00 | 75000.00   |
| 0060                | 647-1000 | LS    | TRAF SIGNAL INSTALLATION NO - 6     | 1.000    | 75000.00 | 75000.00   |
| 0065                | 647-1000 | LS    | TRAF SIGNAL INSTALLATION NO - 7     | 1.000    | 75000.00 | 75000.00   |
| 0070                | 647-1000 | LS    | TRAF SIGNAL INSTALLATION NO - 8     | 1.000    | 75000.00 | 75000.00   |
| 0075                | 647-1000 | LS    | TRAF SIGNAL INSTALLATION NO - 9     | 1.000    | 75000.00 | 75000.00   |
| 0080                | 647-2130 | EA    | PULL BOX, PB-3                      | 9.000    | 73.15    | 658.39     |
| 0085                | 652-2501 | LM    | SOLID TRAF STRIPE, 5 IN, WHITE      | 1.000    | 711.17   | 711.17     |
| 0090                | 652-2502 | LM    | SOLID TRAF STRIPE, 5 IN, YELLO      | 1.000    | 640.00   | 640.00     |
| 0095                | 652-3501 | GLM   | SKIP TRAF STRIPE, 5 IN, WHITE       | 1.000    | 398.49   | 398.49     |
| 0100                | 652-5701 | LF    | SOLID TRAF STRIPE, 24", WHITE       | 2352.000 | 3.03     | 7129.69    |
| 0105                | 652-5801 | LF    | SOLID TRAF STRIPE, 8 IN, WHITE      | 4500.000 | 1.10     | 4950.00    |
| 0110                | 682-9950 | LF    | DIRECTIONAL BORE - 3"               | 1350.000 | 10.00    | 13500.00   |
| 0115                | 682-9950 | LF    | DIRECTIONAL BORE - 5"               | 1350.000 | 15.00    | 20250.00   |
| 0120                | 700-6910 | AC    | PERMANENT GRASSING                  | 1.000    | 738.15   | 738.15     |
| 0125                | 700-7000 | TN    | AGRICULTURAL LIME                   | 4.000    | 150.70   | 602.84     |
| 0130                | 700-8000 | TN    | FERTILIZER MIXED GRADE              | 3.000    | 483.25   | 1449.75    |
| 0135                | 700-8100 | LB    | FERTILIZER NITROGEN CONTENT         | 200.000  | 2.61     | 522.38     |
| 0140                | 713-3011 | SY    | WOOD FIBER BLANKET, TP I, SHOULDERS | 2500.000 | 0.52     | 1316.00    |
| 0145                | 639-4004 | EA    | STRAIN POLE, TP IV                  | 36.000   | 6351.68  | 228660.76  |
| 0150                | 682-6233 | LF    | CONDUIT, NONMETL, TP 3, 2 IN        | 7380.000 | 5.00     | 36900.00   |
| ITEM TOTAL          |          |       |                                     |          |          | 1106470.27 |
| INFLATED ITEM TOTAL |          |       |                                     |          |          | 1106470.27 |

TOTALS FOR JOB 0012669

ESTIMATED COST: 1106470.27  
 CONTINGENCY PERCENT ( 0.0 ): 0.00  
 ESTIMATED TOTAL: 1106470.27

# Meeting notes - Draft

|                       |                                                                                                                                                                                                                                           |                      |                                                                                                                                                              |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Project:</b>       | 0012669                                                                                                                                                                                                                                   |                      |                                                                                                                                                              |
| <b>Subject:</b>       | Kickoff Meeting                                                                                                                                                                                                                           |                      |                                                                                                                                                              |
| <b>Date and time:</b> | 8 May 2014 – 8:00am                                                                                                                                                                                                                       | <b>Meeting no:</b>   | 1                                                                                                                                                            |
| <b>Meeting place:</b> | Field                                                                                                                                                                                                                                     | <b>Minutes by:</b>   | Kaitlin Potnick                                                                                                                                              |
| <b>Present:</b>       | Jennifer Deems<br>Ted Chadwick<br>Chris Knock<br>Stanley McCarley<br>Pete Hughes<br>Cynthia Burney<br>Mike Souther<br>Chad Wilkie<br>Tim Romashko<br>Robert Backer<br>Rodger Duncan<br>Brett Buchanan<br>Kaitlin Potnick<br>Ashlyn Morgan | <b>Representing:</b> | GDOT<br>CCWSA<br>City of Woodstock<br>GDOT<br>Sawnee<br>GDOT<br>Windstream<br>D6<br>URS – RTOP<br>GDOT<br>Southern Co<br>Cherokee County<br>Atkins<br>Atkins |

## MINUTES

### ***SR 20 @ East Cherokee Drive***

Will be removed from project 0012669. Cherokee County has an intersection improvement project that will upgrade the signal.

### ***SR 140 @ East Cherokee Drive***

Will be removed from project 0012669. Cherokee County has an intersection improvement project that will upgrade the signal.

### ***SR 372 / Ball Ground Hwy @ SR 5 Business / SR 372 / AW Roberts Dr***

Intersection added to project 0012669 to replace the intersections (SR 20 @ E Cherokee Dr and SR 140 @ E Cherokee Dr) removed by future Cherokee County improvement projects.

Overhead and underground utilities present

No known right-of-way constraints

Install single mast arms in NW and NE quadrants

Install tandem mast arm in SE quadrant

Curb and gutter present

Add DSPEC signs to rightmost part of mast arm

Add Flashing Yellow Arrow (FYA)

Remove striped right turn islands; extend stopbars

#### NOTE TO RECIPIENTS:

These meeting notes record Atkins understanding of the meeting and intended actions arising therefrom. Your agreement that the notes form a true record of the discussion will be assumed unless adverse comments are received in writing within five days of receipt.

Install loops for detection

Landing pads in radii for pedestrians

Add crosswalk

Add pedestrian signals and accommodations

**SR 140 / SR 5 Business / Marietta Hwy @ Cherokee High School / School Dr**

Intersection added to project 0012669 to replace the intersections (SR 20 @ E Cherokee Dr and SR 140 @ E Cherokee Dr) removed by future Cherokee County improvement projects.

Overhead and underground utilities present – no known utility conflicts

No known right-of-way constraints

New poles

Joint use would require replacement of 2+ poles

Install DSPEC signs on strain poles, not span

Add FYA

Remove striped right turn islands; extend stopbars

Add pedestrian signals and accommodations

Landing pads in radii for pedestrians

Install loops for detection

Add crosswalk

**SR 92 @ Wiley Bridge Rd / Knotts Point Dr**

Overhead and underground utilities present – no known utility conflicts

No known right-of-way constraints

New poles

New joint use concrete strain pole in NE quadrant clear of power lines – AT&T banded to signal pole

Install DSPEC signs on strain poles, not span

Add FYA

Remove striped right turn islands; extend stopbars

Add pedestrian signals and accommodations

Landing pads in radii for pedestrians

Install loops for detection

Add crosswalk

**SR 92 @ Weatherstone Dr / S Cherokee Ln**

Overhead and underground utilities present – no known utility conflicts

No known right-of-way constraints

New poles

New stand-alone joint use poles in NW & NE quadrants

Install DSPEC signs on strain pole; not span

Add FYA

Remove striped right turn islands; extend stopbars

Add pedestrian signals and accommodations

Install new pedestrian head in NW concrete island

Landing pads in radii for pedestrians

Install loops for detection

Add crosswalk

**SR 92 @ Neese Rd**

Overhead and underground utilities present

No known right-of-way constraints

New poles

Install DSPEC signs on strain pole, not span

Add FYA

Remove striped right turn islands; extend stopbar

No joint use poles

Add pedestrian signals and accommodations

Landing pads in radii for pedestrians

"Pull back" stop bar and median for eastbound approach

Drainage ditch in median of west-leg; not adding crosswalk

Drainage structure in NE quadrant; environmental to investigate

Install loops for detection

**SR 92 @ Londonderry Rd**

Overhead and underground utilities present

No known right-of-way constraints

Install tandem mast arms in NW and SE quadrants

Install DSPEC signs at rightmost part of mast arm

Add FYA

Add crosswalk

No joint use

Add pedestrian signals and accommodations

Landing pads in radii for pedestrians

Install loops for detection

Kickoff Meeting

**SR 92 @ Stonecroft Ln / Springfield Dr**

Overhead and underground utilities present

No known right-of-way constraints

Install DSPEC signs on poles, not span

Add FYA

Remove striped right turn islands & extend stopbars

Add crosswalk

New poles, no joint use (if possible)

Install loops for detection

Add pedestrian signals and accommodations

Wireless currently located on NE quadrant pole

Landing pads in radii for pedestrians

**SR 92 @ Indian Valley Dr**

Overhead and underground utilities present

No known right-of-way constraints

Add FYA

Relocate cabinet to SE quadrant

Move push buttons to ped pole; remove from sloped pole location

Move pole in SW quadrant closer to sidewalk

Install DSPEC signs on poles, not span

Need environmental to investigate potential stream in SW quadrant

New poles

Install loops for detection

Add crosswalk – possibly remove part of median to add crosswalk

Add pedestrian signals and accommodations

Landing pads in radii for pedestrians

**SR 92 @ Parkway 575**

Install single mast arms in NW and NE quadrants

Install tandem mast arm in SE quadrant

Relocate cabinet to the quadrant with the highest elevation – possibly NW quadrant

Overhead and underground utilities present

No known right-of-way constraints

No joint use poles

Add DSPEC signs to the rightmost part of mast arm

Kickoff Meeting

Add FYA

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Relocate pedestrian push buttons – no longer on strain poles; make more accessible

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Remove striped right turn islands & extend stop bars

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Landing pads in radii for pedestrians

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Add crosswalk

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Add pedestrian signals and accommodations

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Install loops for detection

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# DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

## INTERDEPARTMENT CORRESPONDENCE

FILE Cherokee County OFFICE Cartersville  
Signal Upgrades SR 92 @ 7 locations;  
SR 372 @ 1 location; SR 140 @ 1 location  
P.I. No. 0012669 DATE August 11, 2014

FROM  Kerry D. Bonner, District Utilities Engineer

TO Albert V. Shelby, P.E., State Program Delivery Engineer  
ATTN: Cynthia Burney

SUBJECT CONCEPT UTILITY COST ESTIMATE

We are furnishing you with a Concept Utility Cost estimate for each utility with facilities potentially located within the project limits.

| FACILITY OWNER                    | NON-REIMBURSABLE | REIMBURSABLE  |
|-----------------------------------|------------------|---------------|
| Atlanta Gas Light                 | \$ 90,000.00     |               |
| BellSouth Telecommunications      | \$ 30,000.00     |               |
| City of Ball Ground (water/sewer) | \$ 30,000.00     |               |
| City of Woodstock (water/sewer)   | \$ 100,000.00    |               |
| Cobb EMC                          |                  | \$ 190,000.00 |
| Comcast Communications            | \$ 30,000.00     |               |
| Cherokee County Water Sewer Auth. | \$ 125,000.00    |               |
| Ellijay Telephone                 | \$ 20,000.00     |               |
| Georgia Power Distribution        |                  | \$ 135,000.00 |
| TDS Telecom                       | \$ 15,000.00     |               |
| Sunesys                           | \$ 15,000.00     |               |
| Windstream                        | \$ 15,000.00     |               |
| Totals                            | \$ 470,000.00    | \$ 325,000.00 |

Total Updated Utility Cost \$ 795,000.00.

\* The reimbursable amount could increase to \$580,000.00 if Cherokee County Water and Sewer Authority, City of Ball Ground and City of Woodstock were to apply for utility assistance for the relocation of their facilities.

If you have any questions, please contact Stanley McCarley at 678-721-5324.

KDB/sm

C: Mike Bolden, State Utilities Engineer  
File