

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

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

FILE P.I. # 0010334

OFFICE Design Policy & Support

Habersham County
GDOT District 1 - Gainesville
Signal & Pedestrian Improvements at
7 Locations

DATE 11/15/2013

FROM  for 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:

Bobby Hilliard, Program Control Administrator
Genetha Rice-Singleton, State Program Delivery Engineer
Glenn Bowman, State Environmental Administrator
Cindy VanDyke, State Transportation Planning 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
Bayne Smith, District Engineer
Brent Cook, District Preconstruction Engineer
Neil Kantner, District Utilities Engineer
Derrick Cameron, Project Manager
BOARD MEMBER - 9th Congressional District

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

Project Type: <u>Signal Upgrade</u>	P.I. Number: <u>0010334</u>
GDOT District: <u>1</u>	County: <u>Habersham</u>
Federal Route Number: <u>23, 129, 441</u>	State Route Number: <u>15, 17, 105, 115, 197, 365, 385</u>

The project consists of 7 traffic signal and pedestrian facility upgrades in Habersham County.

Submitted for approval:

 ICA Engineering, Inc. 9/20/2013
Consultant Designer & Firm or GDOT Concept/Design Phase Office Head & Office DATE

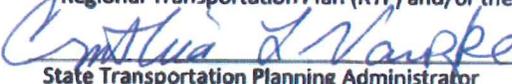
 AVS 17 October 2013
GDOT Project Manager DATE

 10/21/2013
State Program Delivery Engineer DATE

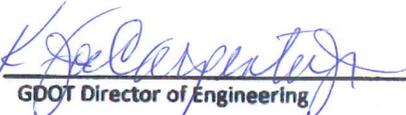
Recommendation for approval:

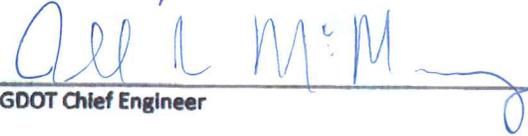
GLENN BONMAN*/EKP 10/25/2013
State Environmental Administrator DATE

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).

 10-28-13
State Transportation Planning Administrator DATE

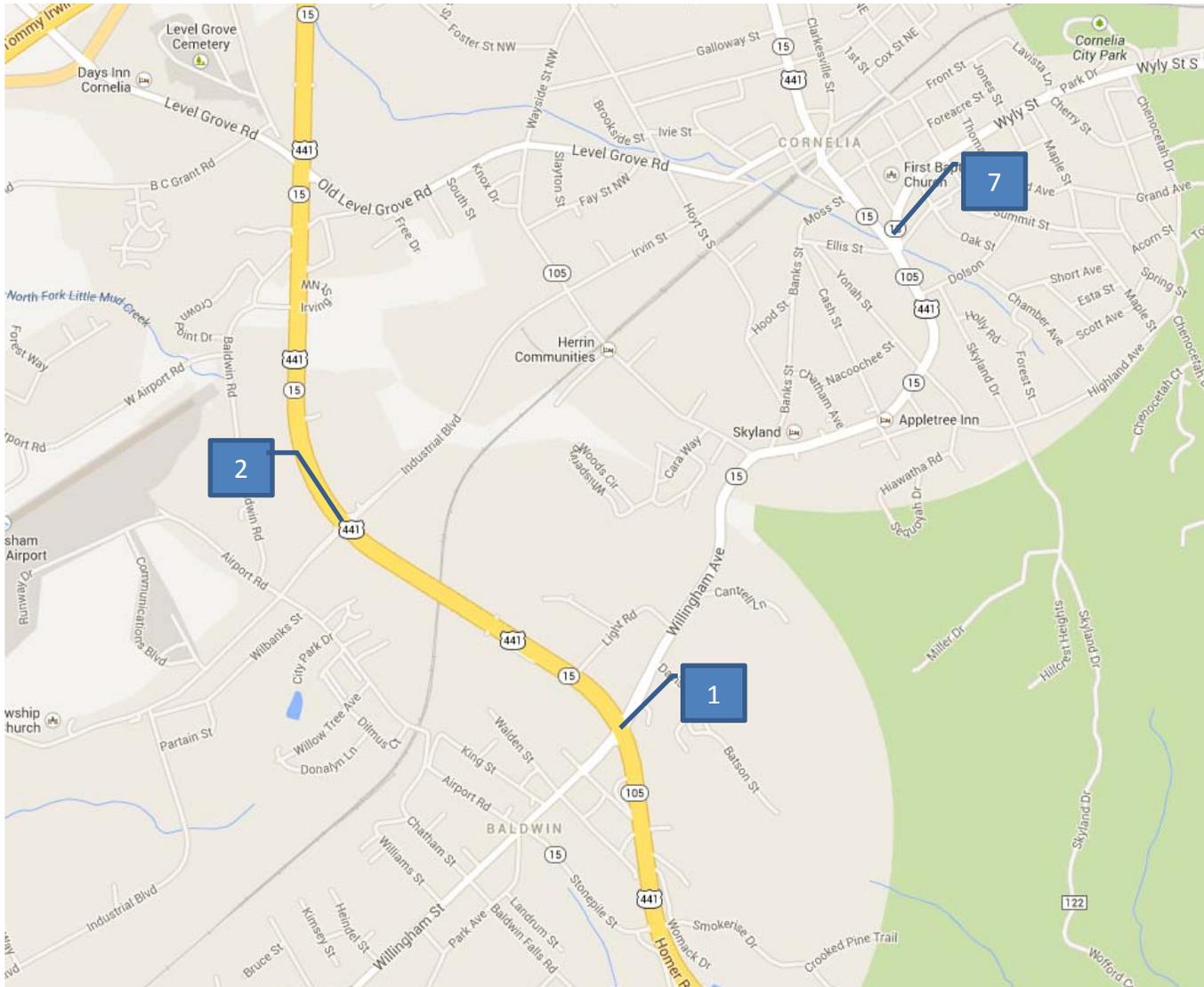
Approval:

Concur:  11/8/2013
GDOT Director of Engineering DATE

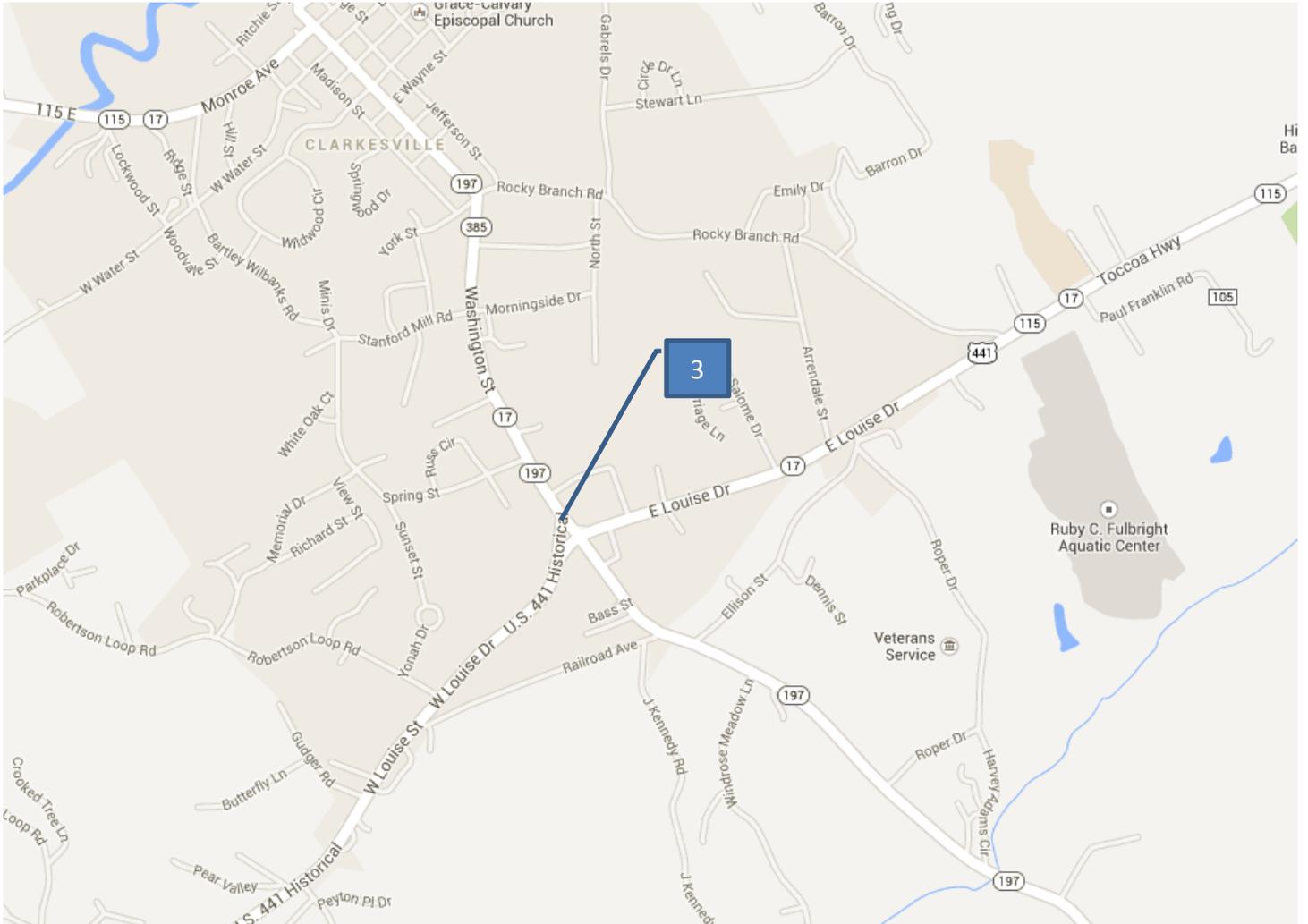
Approve:  11/12/13
GDOT Chief Engineer DATE

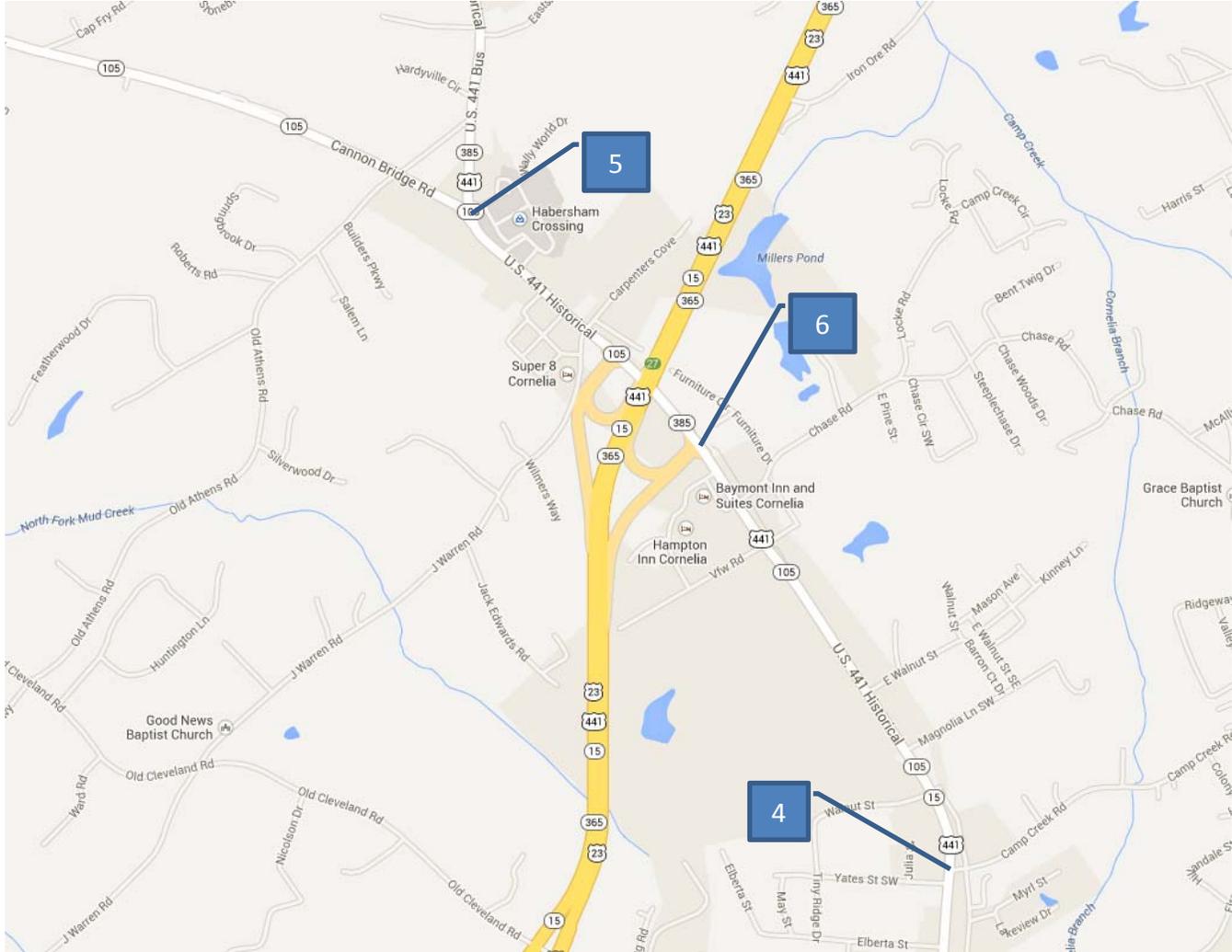
* - RECOMMENDATION ON FILE

PROJECT LOCATION



County: Habersham





County: Habersham

PLANNING & BACKGROUND DATA

Project Justification Statement:

There are seven (7) signalized intersection in Habersham County in need of improvements to address compliance with current GDOT standards, the Manual of Uniform Traffic Control Devices (MUTCD) and the requirements of the American Disabilities Act (ADA). Specific improvements will bring the intersections into compliance with the current design standards and will include: modernization of traffic signal equipment, including updated controllers, LED signal heads and pedestrian signals; and improved pedestrian accommodations, including new countdown pedestrian signal, ADA compliant wheelchair ramps and new crosswalks.

Description of the proposed project:

The proposed project is located in Habersham County, in the Cities of Clarkesville (1) and Cornelia (6). The project will consist of traffic signalization upgrades, including LED vehicular signals, countdown pedestrian signals, ADA wheelchair ramps and crosswalk striping at all 7 locations. The project locations are:

A. Habersham:

1. SR 15 @ SR 105
2. SR 15 @ Industrial Blvd
3. SR 17 @ SR 197/SR 385
4. SR 105 @ Camp Creek Rd
5. SR 105 @ SR 385
6. SR 105 @ SR 15/SR 365
7. SR 105 @ Berry St/Ellis St

Federal Oversight: Exempt State Funded Other

MPO: N/A

MPO Project ID N/A

Regional Commission: Georgia Mountains RC

RC Project ID N/A

Congressional District(s): 9

Projected Traffic: ~~ADT or AADT~~ This project will not add capacity

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 15 – Rural Principal Arterial

SR 17 – Rural Major Collector

SR 105 – Rural Minor Arterial, Rural Major Collector

SR 385 – Rural Major Collector

Industrial Blvd – Rural Major Collector

Camp Creek Road – Rural Minor Collector

Berry St/Ellis St – Rural Local Road

County: Habersham

Is this a 3R (Resurfacing, Restoration, & Rehabilitation) Project?

 No Yes

Will Context Sensitive Solutions procedures be utilized?

 No Yes**DESIGN AND STRUCTURAL DATA –****Mainline Design Features: SR 15 @ SR 105 (Intersection 1), SR 15 @ Industrial Blvd (Intersection 2)**

Feature	Existing	Standard*	Proposed
Typical Section			
- Number of Lanes	4	4	No Change
- Lane Width(s)	Varies	11'-12'	No Change
- Median Width & Type	20' Raised	20' Raised	No Change
- Outside Shoulder or Border Area Width	Varies	10'-16'	16'
- Sidewalks	None	5'	5'
- Auxiliary Lanes	None	None	None
- Bike Lanes	None	None	None
Posted Speed	45		No Change
Design Speed		45	45
Design Vehicle		BUS-40 or WB-40	BUS-40

Mainline Design Features: SR 17 @ SR 197/SR 385 (Intersection 3)

Feature	Existing	Standard*	Proposed
Typical Section			
- Number of Lanes	2	2	No Change
- Lane Width(s)	12'	11'-12'	No Change
- Median Width & Type	None	None	None
- Outside Shoulder or Border Area Width	Varies	8'	8'
- Sidewalks	5'	5'	5'
- Auxiliary Lanes	None	None	None
- Bike Lanes	None	None	None
Posted Speed	35		No Change
Design Speed		35	35
Design Vehicle		BUS-40 or WB-40	BUS-40

County: Habersham

Mainline Design Features: SR 105 @ Camp Creek Rd (Intersection 4), SR 105 @ Berry St/Ellis St (Intersection 7)

Feature	Existing	Standard*	Proposed
Typical Section			
- Number of Lanes	2	2	2
- Lane Width(s)	11'	11'-12'	No Change
- Median Width & Type	None	None	None
- Outside Shoulder or Border Area Width	Varies	8'	8'
- Sidewalks	None	5'	5'
- Auxiliary Lanes	None	None	None
- Bike Lanes	None	None	None
Posted Speed	35		No Change
Design Speed		35	35
Design Vehicle		BUS-40 or WB-40	BUS-40

Mainline Design Features: SR 105 @ SR 385 (Intersection 5), SR 105 @ SR 15/SR 365 (Intersection 6)

Feature	Existing	Standard*	Proposed
Typical Section			
- Number of Lanes	4	4	4
- Lane Width(s)	12'	11'-12'	No Change
- Median Width & Type	14' Flush	14' Flush	No Change
- Outside Shoulder or Border Area Width	Varies	10'-16'	16'
- Sidewalks	Varies	5'-6'	5'
- Auxiliary Lanes	None	None	No Change
- Bike Lanes	None	None	No Change
Posted Speed	45		No Change
Design Speed		45	45
Design Vehicle		BUS-40 or WB-40	BUS-40

*According to current GDOT design policy if applicable

Major Structures: N/A

Major Interchanges/Intersections: SR 15 @ SR 105, SR 15 @ Industrial Blvd, SR 17 @ SR 197/SR 385, SR 105 @ Camp Creek Rd, SR 105 @ SR 385, SR 105 @ SR 15/SR 365 and, SR 105 @ Berry St/Ellis St.

County: Habersham

Utility Involvements:

Atlanta Gas Light
City of Baldwin
City of Clarksville
City of Cornelia
City of Demorest

Georgia Power Distribution
Habersham EMC
Windstream CATV
Windstream Telecommunication

Public Interest Determination Policy and Procedure recommended (Utilities)? No Yes

SUE Required: No Yes

Railroad Involvement: None

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

Warrants met: None Bicycle Pedestrian Transit

Right-of-Way:

Required Right-of-Way anticipated: No Yes Undetermined
Easements anticipated: None Temporary Permanent Utility Other

Anticipated number of impacted parcels:	10
Displacements anticipated:	Total: 0
	Businesses: 0
	Residences: 0
	Other: 0

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

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

Design Variances to GDOT Standard Criteria anticipated: None anticipated

ENVIRONMENTAL DATA

Anticipated Environmental Document:

GEPA: NEPA: CE PCE

Project 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

County: Habersham

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

Environmental Permits/Variations/Commitments/Coordination anticipated: None

NEPA/GEPA Comments & Information:

Ecology: Survey underway. DNR coordination complete. Several streams in the vicinity of some of the intersections, but based on project scope no impacts are anticipated. A Section 404 permit to comply with the CWA, and a Stream Buffer Variance are not anticipated.

History: Survey underway. Initial screening identified individual potentially eligible resources at some intersections, and two intersections may be within listed National Register Districts. Based on the scope, proposed improvements, and proximity of resources to the intersections, no adverse impacts are anticipated.

Archaeology: Survey underway and no effects to resources are anticipated given type of project.

Air: Intersections are located within attainment areas for PM2.5 and ozone. CO hot-spot analysis not anticipated. No adverse impacts are anticipated to air quality.

Noise: Given project type, Type III Noise Screening anticipated.

PROJECT RESPONSIBILITIES

Project Activities:

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

Lighting required: No Yes

County: Habersham

Other projects in the area:

0012829 – Intersection improvements to SR 15 and US 23/SR 15 SB ramps - Habersham County – Long Range

132100 – Widening and reconstruction of SR 15 from Cannon Bridge Road to Walnut Street/Cornelia – Habersham County – Engineering Authorized, not active

0006673 – Widening of SR 385 from SR 105 to SR 197 – Habersham County – Long Range

0008520 – Intersection Impr at SR 385/US 441 BUS and SR 17/SR 197 – Habersham County – Long Range

0009943 – Roundabout at SR 17 and SR 197 – Habersham County – Authorized – Long Range

Other coordination to date: None**Project Cost Estimate and Funding Responsibilities:**

	Breakdown of PE	ROW	Reimbursable Utility	CST*	Environmental Mitigation	Total Cost
By Whom	GDOT	GDOT	GDOT	GDOT	GDOT	
\$ Amount	\$393,793.20	\$302,000.00	\$49,210	\$1,114,694.20	\$0	\$1,859,697.40
Date of Estimate	12/27/2010	10/16/2013	11/5/2013	9/6/2013	N/A	

*CST Cost includes: Construction, Engineering and Inspection, and Liquid AC Cost Adjustment.

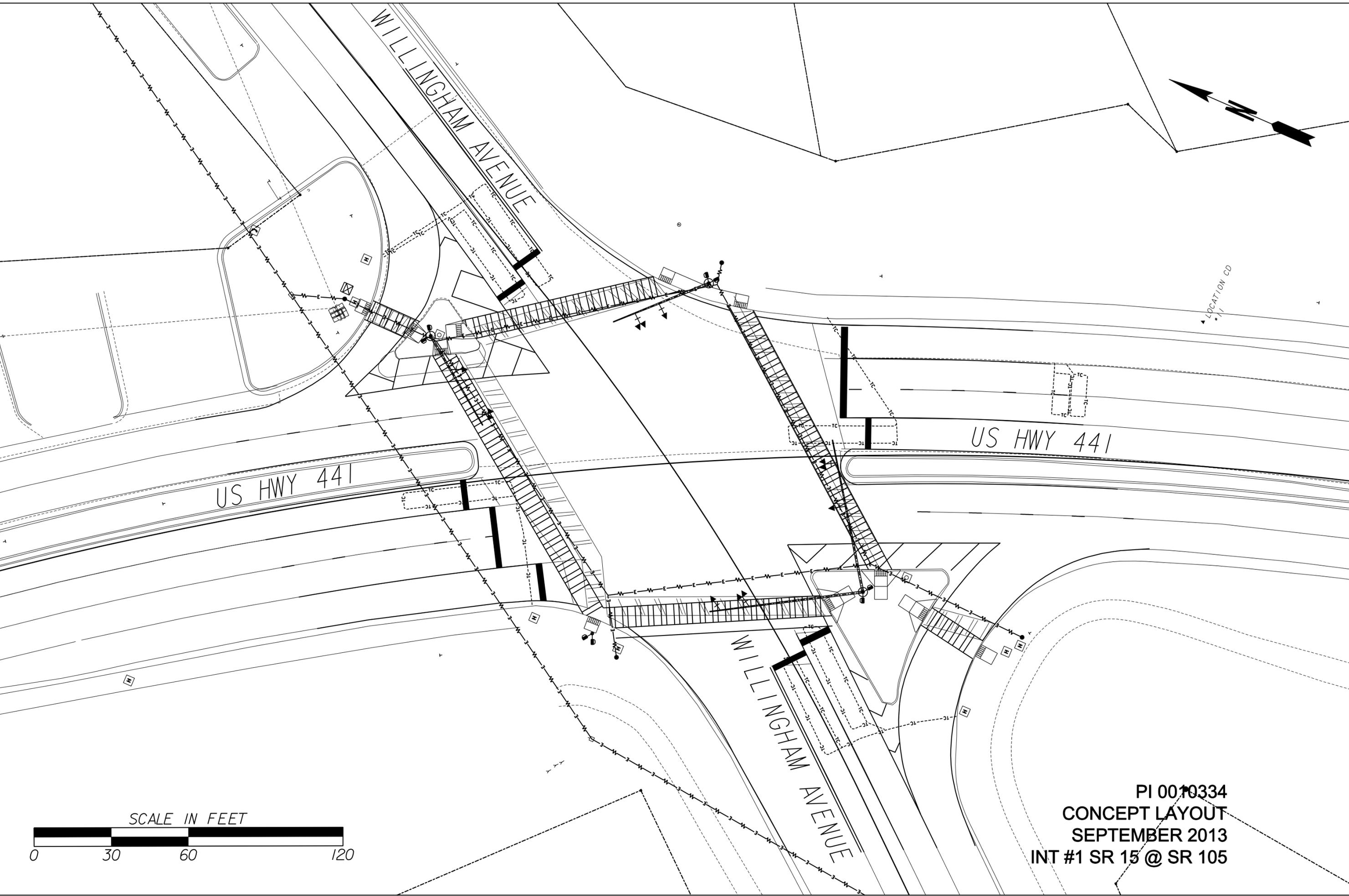
ALTERNATIVES

Preferred Alternative:			
Estimated Property Impacts:	10	Estimated Total Cost:	\$1,859,697.40
Estimated ROW Cost:	\$302,000	Estimated CST Time:	12 Months
Rationale: This alternative meets the goal of the project which is upgrade the existing signals and pedestrian facilities			

No-Build Alternative:			
Estimated Property Impacts:	0	Estimated Total Cost:	\$0
Estimated ROW Cost:	\$0	Estimated CST Time:	N/A
Rationale: This alternative does not meet the goal of the project which is to upgrade the existing signals and pedestrian facilities.			

Comments/additional information: None**Attachments:**

1. Concept Layout
2. Cost Estimates
 - a. CES Output
 - b. R/W Cost Estimate
 - c. Utility Cost Estimate
3. Concept Team Meeting Minutes

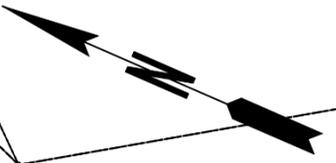


WILLINGHAM AVENUE

US HWY 441

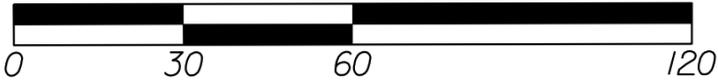
US HWY 441

WILLINGHAM AVENUE

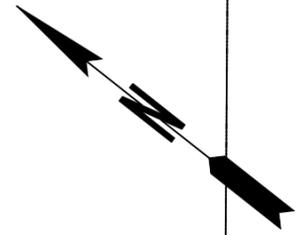


LOCATION CD

SCALE IN FEET



PI 0010334
CONCEPT LAYOUT
SEPTEMBER 2013
INT #1 SR 15 @ SR 105

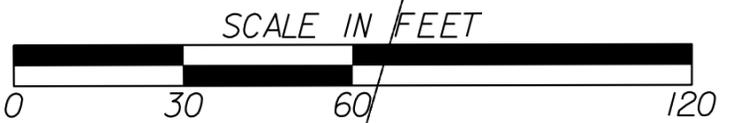


WASHINGTON ST/GA HWY 17/197

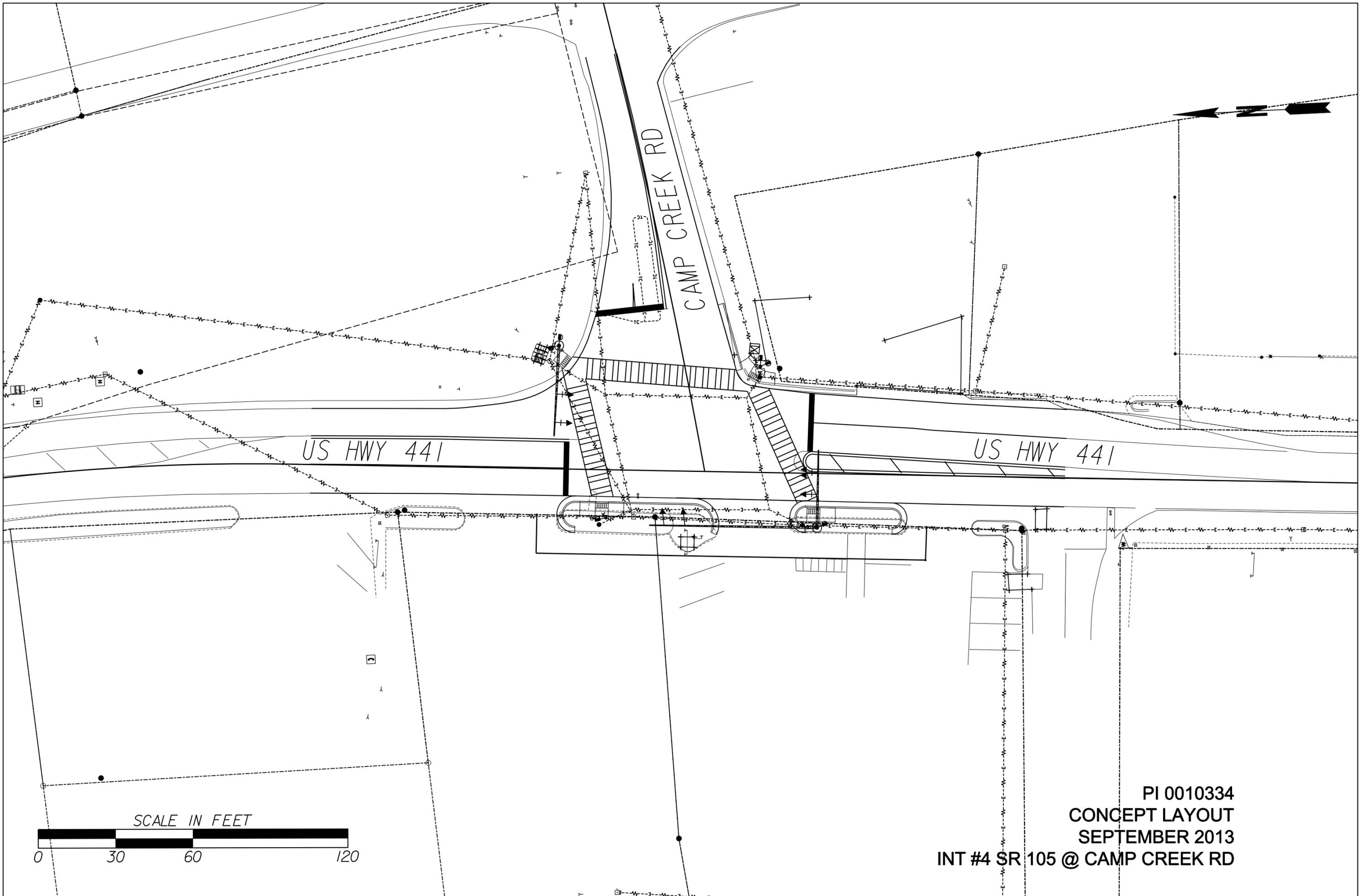
WASHINGTON ST/
GA HWY 17/197

W LOUISE DR/
GA HWY 385

LOCATION CD
KCL



PI 0010334
CONCEPT LAYOUT
SEPTEMBER 2013
INT #3 SR 17 @ SR 197/SR 385



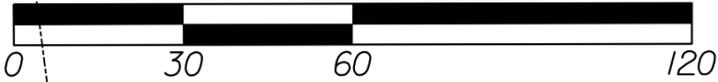
US HWY 441

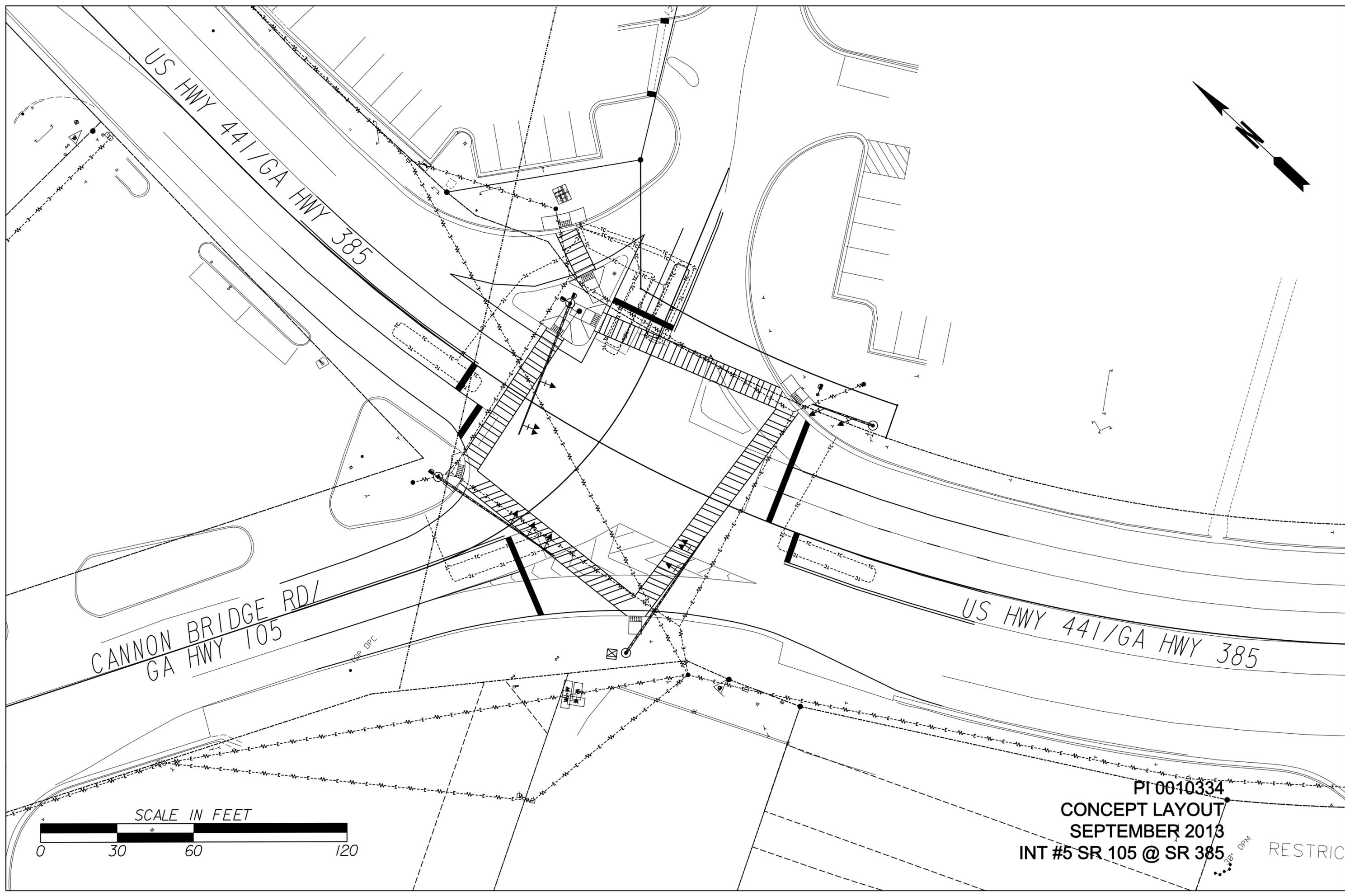
US HWY 441

CAMP CREEK RD

PI 0010334
CONCEPT LAYOUT
SEPTEMBER 2013
INT #4 SR 105 @ CAMP CREEK RD

SCALE IN FEET



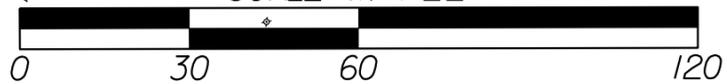


US HWY 441/GA HWY 385

CANNON BRIDGE RD/
GA HWY 105

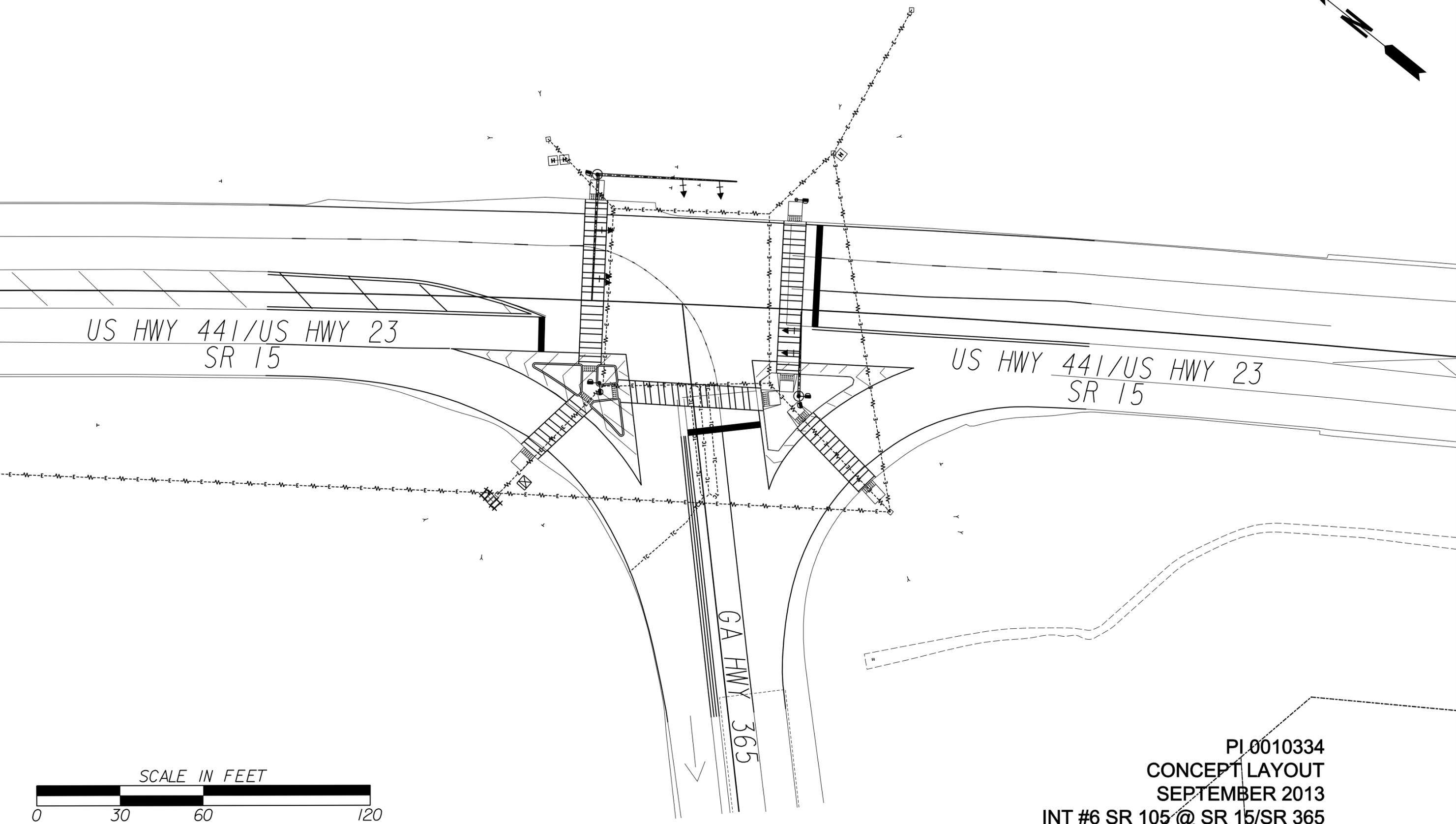
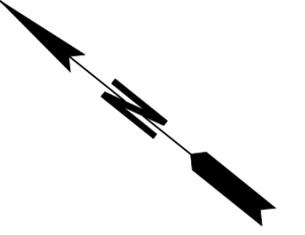
US HWY 441/GA HWY 385

SCALE IN FEET



PI 0010334
CONCEPT LAYOUT
SEPTEMBER 2013
INT #5 SR 105 @ SR 385

RESTRICTED



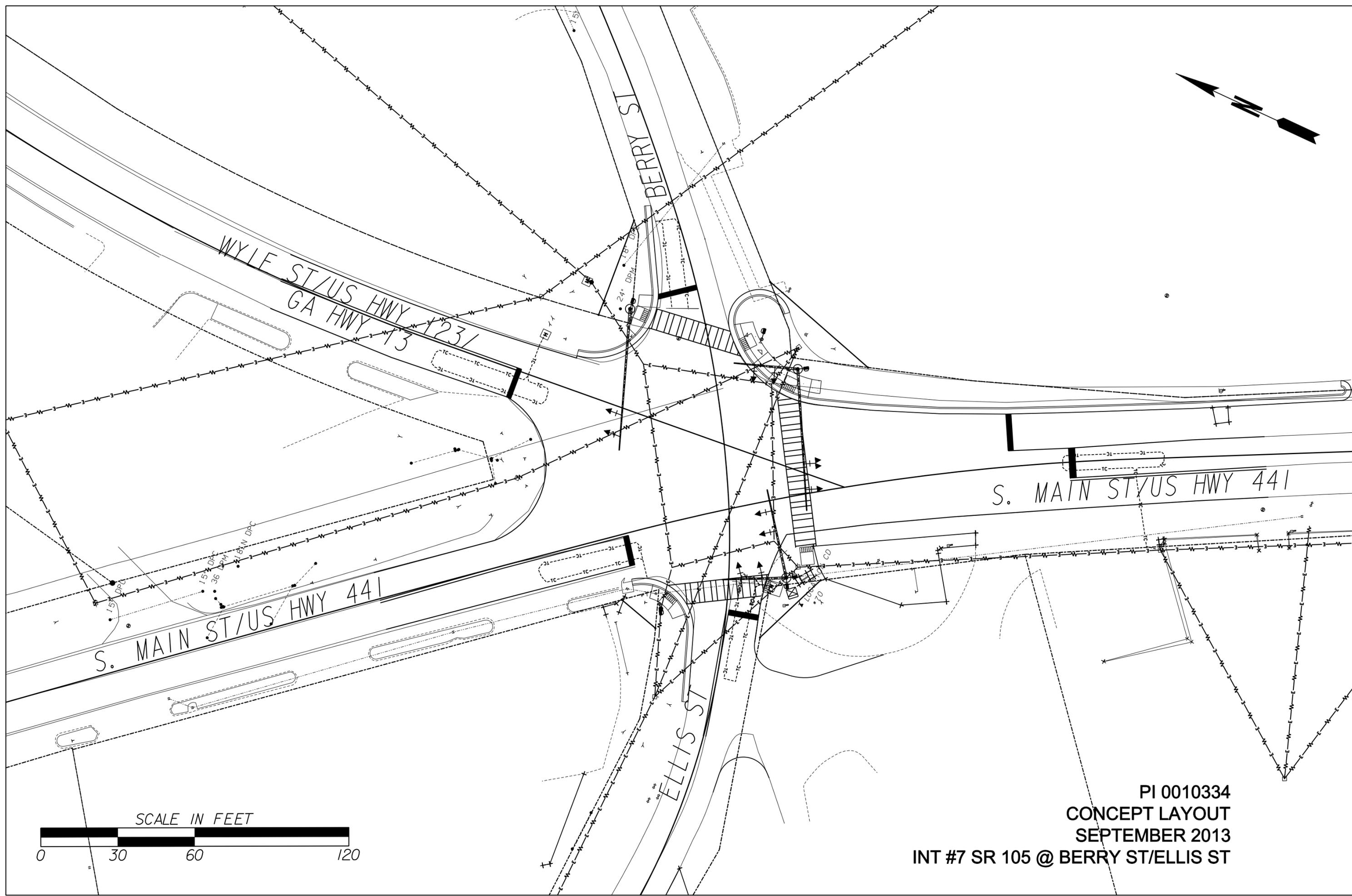
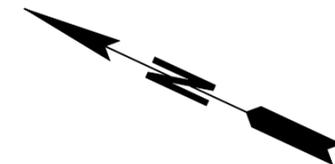
US HWY 441/US HWY 23
SR 15

US HWY 441/US HWY 23
SR 15

GA HWY 365



PI 0010334
CONCEPT LAYOUT
SEPTEMBER 2013
INT #6 SR 105 @ SR 15/SR 365



PI 0010334
CONCEPT LAYOUT
SEPTEMBER 2013
INT #7 SR 105 @ BERRY ST/ELLIS ST

JOB ESTIMATE REPORT

JOB NUMBER : 0010334 SPEC YEAR: 01
 DESCRIPTION: SIGNAL UPGRADES - HABERSHAM COUNTY

ITEMS FOR JOB 0010334

LINE	ITEM	ALT	UNITS	DESCRIPTION	QUANTITY	PRICE	AMOUNT
0005	150-1000		LS	TRAFFIC CONTROL - 0010334	1.000	90000.00	90000.00
0010	210-0100		LS	GRADING COMPLETE - 0010334	1.000	150000.00	150000.00
0013	310-1101		TN	GR AGGR BASE CRS, INCL MATL	96.000	8.18	785.39
0014	402-3130		TN	RECYL AC 12.5MM SP,GP2,BM&HL	3.000	22.43	67.32
0015	441-0104		SY	CONC SIDEWALK, 4 IN	425.000	24.69	10495.79
0020	441-0748		SY	CONC MEDIAN, 6 IN	429.000	40.17	17236.37
0025	441-6022		LF	CONC CURB & GUTTER, 6"X30"TP2	781.000	0.15	122.98
0029	500-9999		CY	CL B CONC,BASE OR PVMT WIDEN	5.000	257.92	1289.60
0030	700-6910		AC	PERMANENT GRASSING	1.000	875.41	875.42
0035	700-7000		TN	AGRICULTURAL LIME	2.000	10.39	20.79
0040	700-8000		TN	FERTILIZER MIXED GRADE	1.000	495.81	495.82
0045	700-8100		LB	FERTILIZER NITROGEN CONTENT	5.000	3.61	18.08
0050	716-2000		SY	EROSION CONTROL MATS, SLOPES	150.000	0.19	29.82
0055	163-0232		AC	TEMPORARY GRASSING	1.000	363.02	363.02
0060	163-0240		TN	MULCH	13.000	275.21	3577.74
0065	165-0010		LF	MAINT OF TEMP SILT FENCE, TP A	2000.000	0.70	1402.18
0070	165-0030		LF	MAINT OF TEMP SILT FENCE, TP C	600.000	0.83	502.66
0075	171-0010		LF	TEMPORARY SILT FENCE, TYPE A	4000.000	0.26	1072.80
0080	171-0030		LF	TEMPORARY SILT FENCE, TYPE C	1200.000	1.79	2159.51
0085	643-8200		LF	BARRIER FENCE (ORANGE), 4 FT	200.000	20.34	4068.30
0090	653-1501		LF	THERMO SOLID TRAF ST 5 IN, WHI	8655.000	0.53	4653.36
0095	653-1502		LF	THERMO SOLID TRAF ST, 5 IN YEL	4815.000	0.78	3761.48
0100	653-1704		LF	THERM SOLID TRAF STRIPE,24",WH	691.000	0.29	201.88
0105	653-1804		LF	THERM SOLID TRAF STRIPE, 8",WH	9330.000	1.09	10194.33
0110	653-3501		GLF	THERMO SKIP TRAF ST, 5 IN, WHI	1295.000	1.83	2377.45
0115	653-6004		SY	THERM TRAF STRIPING, WHITE	610.000	6.16	3762.43
0120	653-6006		SY	THERM TRAF STRIPING, YELLOW	145.000	8.24	1195.15
0125	615-1200		LF	DIRECTIONAL BORE - ALL SIZES	1790.000	1.81	3241.94
0130	639-3004		EA	STEEL STRAIN POLE, TP IV	19.000	12609.50	239580.50
0135	647-1000		LS	TRAF SIGNAL INSTALLATION NO - 1	1.000	56500.00	56500.00
0140	647-1000		LS	TRAF SIGNAL INSTALLATION NO - 2	1.000	49600.00	49600.00
0145	647-1000		LS	TRAF SIGNAL INSTALLATION NO - 3	1.000	46900.00	46900.00
0150	647-1000		LS	TRAF SIGNAL INSTALLATION NO - 4	1.000	45100.00	45100.00
0155	647-1000		LS	TRAF SIGNAL INSTALLATION NO - 5	1.000	51400.00	51400.00
0160	647-1000		LS	TRAF SIGNAL INSTALLATION NO - 6	1.000	50600.00	50600.00
0165	647-1000		LS	TRAF SIGNAL INSTALLATION NO - 7	1.000	51200.00	51200.00
0170	682-6120		LF	CONDUIT, RIGID, 2 IN	1790.000	10.83	19394.52
0175	687-1000		LS	TRAFFIC SIGNAL TIMING - 0010334	1.000	32900.00	32900.00
0179	935-8000		LS	TESTING	1.000	3200.00	3200.00
0180	937-6050		EA	INT VIDEO DET SYS ASMBLY, TP A	22.000	4233.86	93144.95
0185	937-6150		EA	PROGRAMMING MONITOR, TP A	7.000	402.84	2819.94
0190	937-8030		LS	TESTING - INTERSECTION VIDEO DETECTION	1.000	2142.00	2142.00
0195	937-8530		LS	TRAINING - INTERSECTION VIDEO DETECTION	1.000	3160.00	3160.00

JOB ESTIMATE REPORT

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ITEM TOTAL 1061613.52
INFLATED ITEM TOTAL 1061613.52

TOTALS FOR JOB 0010334

ESTIMATED COST: 1061613.52
CONTINGENCY PERCENT (0.0): 0.00
ESTIMATED TOTAL: 1061613.52

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE 0010334, Habersham
 PI No. 0010334 **OFFICE** GAINESVILLE
FROM Neil Kantner, P.E., District Utilities Eng. **DATE** 11/5/2013
TO Genetha Rice-Singleton, P.E., State Program Delivery Engineer
ATTEN Derrick Cameron, Project Manager
SUBJECT PRELIMINARY UTILITY COST ESTIMATE

As requested by your office we are furnishing you with a Preliminary Utility Cost estimate for the subject project.

FACILITY OWNER		NON-REIMBURSABLE	REIMBURSABLE
Atlanta Gas Light		\$95,000	\$0
City of Baldwin		\$93,600	\$0
City of Clarksville		\$0	\$0
City of Cornelia		\$87,000	\$0
City of Demorest		\$72,000	\$0
Georgia Power Distribution		\$30,000	\$30,000
Habersham EMC		\$16,170	\$1,210
Windstream CATV		\$25,550	\$0
Windstream Telecommuncation		\$89,864	\$18,000
TOTALS		\$509,184	\$49,210
Total Non-Reimbursable Cost		\$509,184	
Total Reimbursabe Cost			\$49,210

If you have any questions, please contact Neil Kantner at 770-532-5510.

NAK

C: Mike Bolden, State Utilities Engineer
 Rob Mabry, Area Engineer
 File

CONCEPT TEAM MEETING MINUTES
P.I. No. 0010334

MEETING

DATE: August 26, 2013 @ 10:00 am

MEETING

LOCATION: Conference Room, GDOT Gainesville District Office

RE: PI 0010334 Signal Upgrades – Habersham County

TO: Distribution List, See Attached

Introduction:

Derrick Cameron (GDOT PM) opened the meeting with a brief description of the project and introductions and turned the meeting over to Ben Clopper (ICA) to discuss the Concept Report.

Project Identification:

Ben Clopper (F&H) gave an overview of the project which is to upgrade 7 traffic signals in Habersham County to current MUTCD and ADA standards.

Project Schedule:

The project is currently on schedule. Concept approval is scheduled for 9/27/13. Environmental Approval is scheduled for 11/7/14. PFPR is scheduled for 1/5/15. R/W Authorization is 5/15/15. FFPR is 9/24/15 and Letting is scheduled for May 2016. It is felt the project should be able to maintain or accelerate this schedule.

Project Issues:

1. Project Justification:
The project justification is included in the Draft Concept and is to upgrade the seven signals to current MUTCD and ADA standards.
2. Logical Termini:
N/A
3. Planning Concept/Conforming plan's project description:
The project conforms to the project description
4. Project Background:
The intersections were selected by the District Office based on available funding
5. Location of environmental resources
 - a. Wetlands, open waters, streams and buffers:

There is a perennial stream located on the north side of Intersection 7, but it is not anticipated to be impacted by the project.

- b. Park Lands:
No parks have been located
 - c. Historic Properties, potential archaeological sites:
Eight properties were reviewed but none were recommend as eligible for the historic register. Coordination for SHPO concurrence is ongoing. No archaeological sites have been identified.
 - d. Cemeteries:
No cemeteries have been identified
 - e. Location of potential Hazardous Waste Sites:
None are known
 - f. Underground storage tank sites:
Several gas stations exist in the project corridor, but the tanks are located outside of the project limits
 - g. Threatened and Endangered Species:
The box culvert for the stream at Intersection 7 may be Swallow habitat, but this can be handled through a Special Provision. Further studies will be done during the environmental phase.
- 6. Public Involvement:
No Public Meetings are planned for this project
 - 7. Alternatives considered and rejected to date sufficient for inclusion into the environmental document:
The No-Build alternative was considered in addition to the proposed Build alternative. The No-Build does not meet the project goals and was rejected.
 - 8. Design criteria proposed
The existing design criteria will not be changed except to upgrade the pedestrian facilities to current ADA standards.
 - 9. Horizontal and vertical alignments criteria
No changes will be made to the horizontal or vertical alignments.
 - 10. Typical Sections
N/A
 - 11. VE Study results or recommendations
N/A
 - 12. IMR or IJR requirements
N/A
 - 13. Access Control
No changes to access control are planned. At Intersection 7 one driveway will be modified slightly.
 - 14. Intersection Control additions or modifications that require permitting
No changes to existing Intersection Control are planned
 - 15. Practical Alternatives Review (PAR)
N/A
 - 16. Type of environmental document anticipated

- Programmatic CE
17. Environmental permits/studies required
SHPO Coordination for History
 18. Project Framework Agreement
N/A
 19. Right-of-Way requirements/estimate including easements
 - a. Potential number of parcels
10
 - b. Number of relocates
None
 - c. Estimated right-of-way cost
To be determined
 - d. Who will be responsible for purchasing right-of-way
GDOT
 20. Preliminary bridge assessments and structural needs including retaining and noise walls
N/A
 21. Accident history
N/A
 22. Potential soil conditions along the project
N/A
 23. Construction limits
None determined yet
 24. Maintenance of traffic
Not anticipated to be an issue for a project of this type
 25. Maintenance problems existing along the project
No areas have been identified
 26. Preliminary capacity analysis for the "Build Alternative" and "No-Build Alternative"
N/A
 27. Potential improvements recommended for intersections along project
Improvements are noted on concept layouts
 28. Constructability of proposed project
N/A
 29. Workzone safety and mobility requirements
N/A
 30. Preliminary construction cost estimates
Included as Attachment 2a
Construction - \$1,107,707.56
Utility - TBD
R/W – TBD
 31. Project assignments
Design – ICA Engineering
Permitting – ICA Engineering (Edwards Pitman)
R/W Acquisition – GDOT
Construction - GDOT

32. Project schedule

This topic was previously covered at the beginning of the meeting

33. ITS Concept of Operations

N/A

34. Maintenance issues with the ITS system

N/A

35. Name, size and location of utilities along the project (including utility cost estimate)

To be determined based once Utility Cost Estimate is completed

36. Public Interest Determination findings

Not required

37. SUE status

Derrick Cameron indicated that SUE will be initiated for this project

38. Proximity and probable impacts to railroad and railroad right-of-way

N/A

39. Proximity to airports

N/A

40. Other Nearby Projects

Projects are listed on page 9 & 10 of the project Concept Report. Some of these projects include work that would impact these projects but all are in long range and are not currently under design

Review of Concept Layouts:

Following the review of the concept report the individual layouts were reviewed by the group. Comments were offered as outlined below:

Intersection #1

- Suggested staggering the left turn stop bars on the mainline back 10' from the through lanes.

Intersection #2

- Suggested staggering the left turn stop bars on the mainline back 10' from the through lanes.
- Examine possibility of adding raised island with cut through ramps in the south quadrant since wheelchair ramps will not fit.

Intersection #3

- Due to the close proximity of the 4-way stop, special signal heads should be used in the northbound direction that provide a shorter viewing distance.
- ICA will need provide justification for why pedestrian access is not provided across all legs of the intersection
- It was suggested that the design team examine the possibility of providing more room in the southbound direction for a full width right turn lane. This was examined in the field

and appears to be possible and will be added to the concept. Taper can begin just south of utility pole and provide for wider throat at intersection.

Intersection #4

- No comments

Intersection #5

- Remove the proposed raised island in the gore of the free flow right turn (FFRT)
- Traffic Operations will be contacted to determine if the Free Flow Right turn can be changed to yield condition to reduce weaving conflict
- If the FFRT is remove a pedestrian crossing can be added to this corner
- If the FFRT is retained then additional delineators will be added

Intersection #6

- Consider adding cut throughs with a raised island in the eastern quadrant

Intersection #7

- Remove the designation for US 123 and GA 13 on Wyle St

Attendees

See attached Sign in Sheet

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