

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

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

FILE P.I. # 0012879 **OFFICE** Design Policy & Support
Coweta & Fayette Counties
GDOT District 3 - Thomaston **DATE** 3/20/2015
Senoia Shared-Use Path: Ivy Ln. to Seavy St.
Path Forward Program

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
Ben Rabun, State Bridge Engineer
Andrew Heath, 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
Richard Cobb, Statewide Location Bureau Chief
Ed David Adams, State Safety Program Manager
Thomas Howell, District Engineer
Dan Pass, District Preconstruction Engineer
Kerry Gore, District Utilities Engineer
Justin Banks, Project Manager
BOARD MEMBER - 3rd Congressional District

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

Project Type: Bicycle/Ped. Facility P.I. Number: 0012879
 GDOT District: 3 County: Coweta
 Federal Route Number: N/A State Route Number: N/A

**Senoia Shared-Use Path: Ivy Lane to Seavy Street
See Location Map on Page #2**

Submitted for approval:

Andrew W. Perry City Manager, City of Senoia 11/18/2014
 Local Government DATE

Sam D. III KECK & WOOD, INC. 11/18/2014
 Consultant Designer & Firm DATE

JRL 11/18/14
 GDOT Project Manager DATE

Albert Shelby 11/18/14
 State Program Delivery Engineer DATE

Recommendation for approval:

* Hiral Patel / KLP 12-2-2014
 State Environmental Administrator DATE

* Kathy Zahval / KLP 11-21-2014
 State Traffic Engineer (required for roundabout projects) DATE

* Ben Rabun / KLP 2-27-2015
 State Bridge Design Engineer (required for projects with major structures) DATE

* Recommendation on file

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).

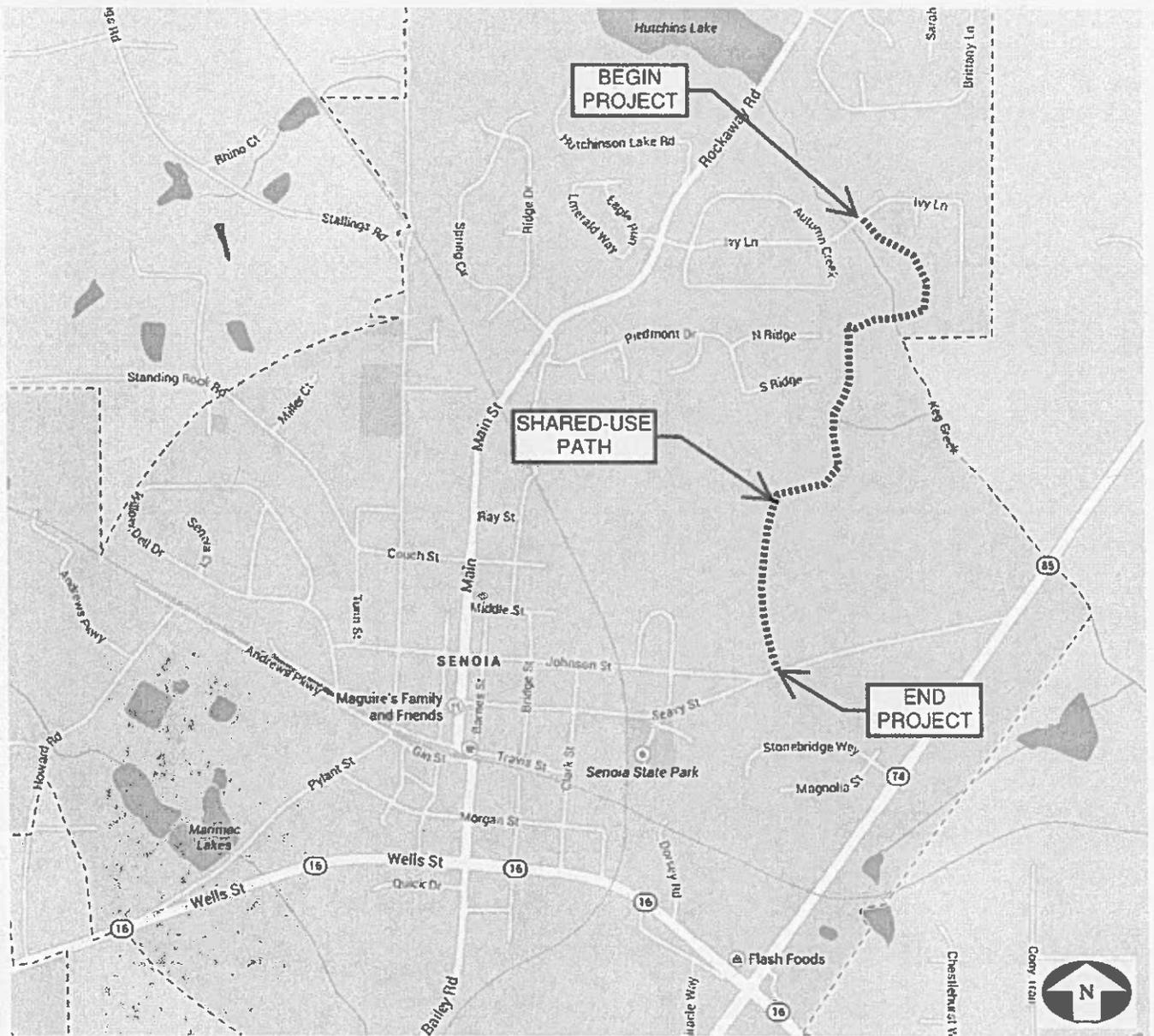
Cynthia L. Vazske 11-24-14
 State Transportation Planning Administrator DATE

Approval:

Concur: Mike Born 3/10/2015
 GDOT Director of Engineering DATE

Approve: Margaret B. Parke 3.10.15
 GDOT Chief Engineer DATE

PROJECT LOCATION



County: Coweta

PLANNING & BACKGROUND DATA

Project Justification Statement: The City of Senoia has identified numerous opportunities for future greenways and shared-use paths. These greenways generally follow street right-of-way or local streams and creeks. Along the creeks, they typically follow sewer easements and include the natural or landscaped stream buffer and a shared-use path. Greenways are a key component of the bicycle network, but they also accommodate walkers, joggers, rollerbladers and motorized carts. In addition to their recreational dimension, greenways help keep streams clean and healthy by keeping the area adjacent to the stream natural. This section of shared-use path could become vital to future connections with the trail system of Peachtree City and Fayette County. If developed, it could become a huge regional attraction for a City that already has a reputation as a destination for recreational bicyclists. When constructed, the Senoia shared-use path project will represent a crucial link between Senoia's parks, neighborhoods, and commercial uses to adjacent trail networks. Specifically the project would provide a 10' wide paved shared-use path that serves as a transportation alternative for the residents and visitors of Senoia as they navigate the City. These improvements will create a more desirable connection with adjoining neighborhoods, local businesses as pedestrians, bicyclists and motorists enter the City of Senoia. The project will also promote alternative modes of transportation by providing bicycle facilities and continuous shared-use paths throughout the corridor. This project is considered a high priority in the City's effort to improve pedestrian and cycling mobility and encourage alternative transportation options around the City and to adjacent future trail networks.

Description of the proposed project: The project is completely within the City of Senoia. The project will complete the 10' paved path from Ivy Lane to the Seavy Street. The project will begin on the east side of the existing bridge crossing Keg Creek, located on Ivy Lane in the Ivy Ridge subdivision. The project will continue southward along Keg Creek and ultimately connect to Seavy Street. The shared-use path will consist of asphalt paved sections (where possible) and a wooden boardwalk structure (where required) in the flood plain sections. Handrail will be added where the design dictates. The project will be designed per ADA standards. The bridge over Keg Creek will be a pre-fabricated pony truss structure. It will consist of weathering steel truss members and a concrete deck and consist of from 1-3 spans depending upon hydraulic considerations. The bridge will be designed according to the "AASHTO Guide Specifications for the Design of Pedestrian Bridges." The design storm will be the 50-year storm and the bridge will be set to provide 2 ft. of clearance to the 50-year flood elevation. The final bridge elevation, however, will be consistent with the FEMA requirements in terms of providing a "no-rise" hydraulic condition.

Federal Oversight: Exempt State Funded Other

MPO: Atlanta Regional Commission (ARC)

MPO Project ID CW-077

Regional Commission: Three Rivers RC

RC Project ID N/A

Congressional District(s): 3

County: Coweta

Projected Traffic: N/A

Functional Classification (Mainline): Not Applicable

Is this a 3R (Resurfacing, Restoration, & Rehabilitation) Project? No Yes

Will Context Sensitive Solutions procedures be utilized? No Yes

Major Interchanges/Intersections: None.

Utility Involvements: No relocation anticipated.

- Water - City of Senoia
- Sanitary sewer – City of Senoia
- Power – Georgia Power Company, Coweta – Fayette EMC
- Natural gas – Atlanta Gas Light
- Telecommunications – AT&T
- Cable – Comcast Communications

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:	5
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.

Design Variances to GDOT Standard Criteria anticipated: None.

County: Coweta

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

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

Environmental Permits/Variations/Commitments/Coordination anticipated: NPDES permit is expected due to an estimated disturbance of greater than one (1) acre.

NEPA/GEPA Comments & Information: A Categorical Exclusion (CE) is anticipated for this project.

Ecology: An ecology study will be performed by a qualified ecologist. No significant resources are anticipated, and no adverse effects are anticipated. An ecology report will be submitted for GDOT approval and FHWA concurrence.

History: A 106/historical study will be performed by a qualified archeologist. No impacts are anticipated. An archaeology worksheet identifying findings will be submitted for GDOT approval and SHPO concurrence.

Air and Noise: A PM2.5 exemption would be obtained. No impacts on air quality or noise impacts are anticipated.

PROJECT RESPONSIBILITIES

Project Activities:

Project Activity	Party Responsible for Performing Task(s)
Concept Development	City of Senoia, Consultant
Design	City of Senoia, Consultant
Right-of-Way Acquisition	City of Senoia, Consultant
Utility Relocation	City of Senoia, Consultant
Letting to Contract	City of Senoia
Construction Supervision	City of Senoia, Consultant, Contractor, GDOT
Providing Material Pits	Contractor
Providing Detours	Contractor
Environmental Studies, Documents, and Permits	City of Senoia, Consultant
Environmental Mitigation	City of Senoia
Construction Inspection & Materials Testing	City of Senoia, Consultant, Contractor, GDOT

Lighting required: No Yes

Other projects in the area: None.

Other coordination to date:

A project kick-off meeting was held on August 11, 2014 at Senoia City Hall.
 A Concept Team Meeting was held on November 7, 2014 at One Georgia Center.
 See attached meeting minutes.

Project Cost Estimate and Funding Responsibilities:

	Breakdown of PE	ROW	Reimbursable Utility	CST*	Environmental Mitigation	Total Cost
By Whom	SPONSOR/ FEDERAL	SPONSOR	SPONSOR	SPONSOR	-	
\$ Amount	\$83,000 / \$92,000	\$237,150	\$0	\$1,316,743	-	\$1,636,893 / \$92,000
Date of Estimate	1/31/2015	9/17/2014	9/17/2014	1/31/2015	-	

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

ALTERNATIVES

Preferred Alternative: As discussed above, 10' shared-use path.			
Estimated Property Impacts:	5	Estimated Total Cost:	\$1,728,893
Estimated ROW Cost:	\$237,150	Estimated CST Time:	12 months
Rationale: The alternative meets the project goals with the least impacts to adjacent property.			

No-Build Alternative: No-Build.			
Estimated Property Impacts:	0	Estimated Total Cost:	\$0
Estimated ROW Cost:	\$0	Estimated CST Time:	0 months
Rationale: Does not meet project need and purpose.			

Alternative #1: Begin shared-use path on west side of existing bridge and acquire property from adjacent residential property owners.			
Estimated Property Impacts:	9	Estimated Total Cost:	\$1,189,443
Estimated ROW Cost:	\$191,250	Estimated CST Time:	12 months
Rationale: The alternative was not selected due to the impacts to adjacent property owners.			

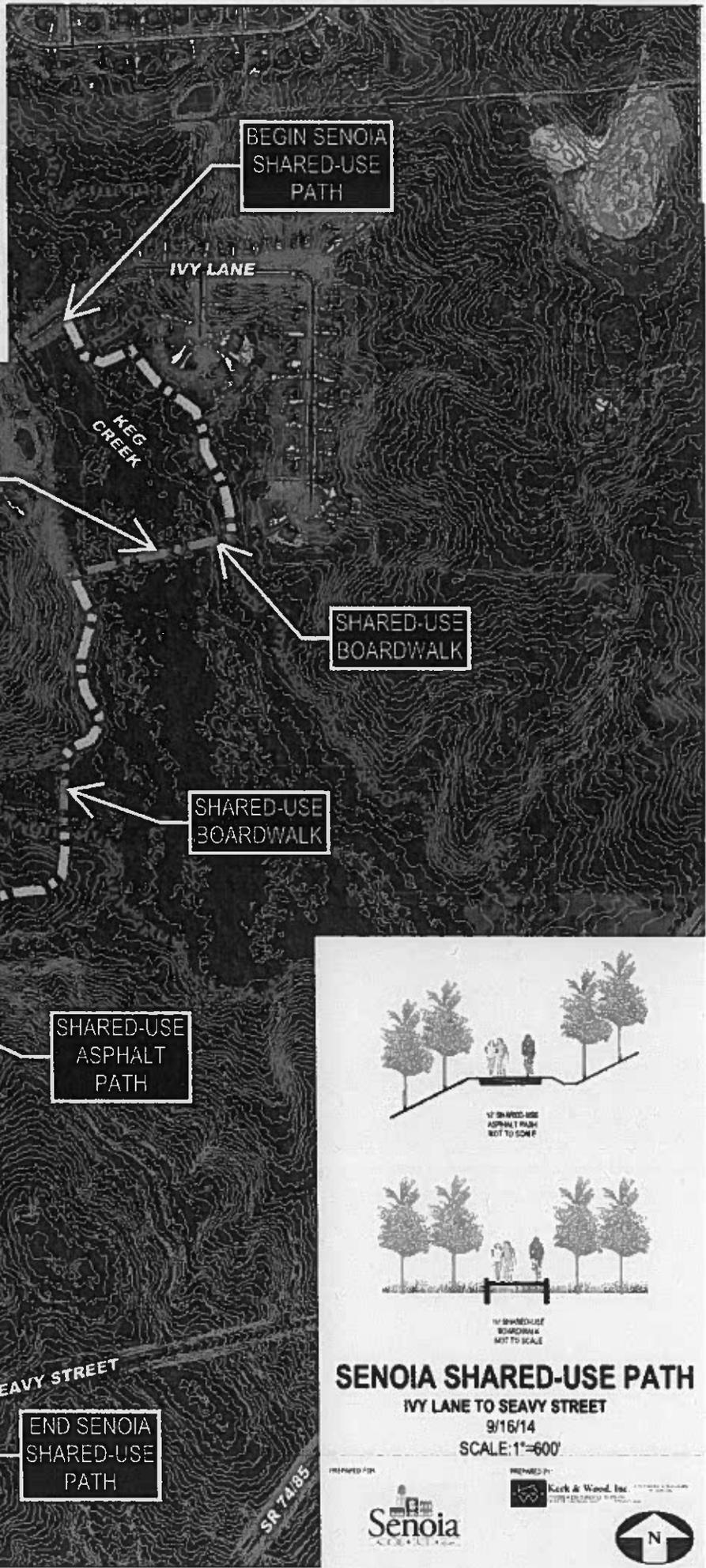
Comments/additional information: None.

Attachments:

1. Concept Layout w/ Typical Sections
2. Cost Estimates
3. Kick-off Meeting Minutes (August 11, 2014)
4. Concept Team Meeting Minutes (November 7, 2014)



EXAMPLE BOARDWALK



12' SHARED-USE ASPHALT PATH NOT TO SCALE

12' SHARED-USE BOARDWALK NOT TO SCALE

SENOIA SHARED-USE PATH
 IVY LANE TO SEAVY STREET
 9/16/14
 SCALE: 1"=600'

PREPARED FOR: Senoia, GA

DESIGNED BY: Kirk & Wood, Inc.

PROJECT COST ESTIMATE
SENOIA SHARED-USE PATH: IVY LANE TO SEAVY STREET
PI 0012879

GA. DOT PAY ITEMS
ITEM NO. DESCRIPTION

ITEM NO.	DESCRIPTION	UNIT	UNIT PRICE	QUANTITY	PRICE
150-1000	TRAFFIC CONTROL - PI 0012879	LS	\$ 1,000.00	1	\$ 1,000.00
163-0232	TEMPORARY GRASSING	LS	\$ 5,000.00	1	\$ 5,000.00
163-0240	MULCH	LS	\$ 2,500.00	1	\$ 2,500.00
163-0300	CONSTRUCTION EXIT	EA	\$ 1,091.04	2	\$ 2,182.08
163-0529	CONSTRUCT AND REMOVE TEMPORARY SEDIMENT BARRIER	EA	\$ 25.00	5	\$ 125.00
171-0030	TEMPORARY SILT FENCE, TYPE C	LF	\$ 2.99	5000	\$ 14,950.00
210-0100	GRADING COMPLETE - PI 0012879	LS	\$ 200,000.00	1	\$ 200,000.00
310-5040	GR AGGR BASE CRS, 4 INCH, INCL MATL	SY	\$ 14.00	5555	\$ 77,770.00
402-3100	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, TYPE I, GP 1 O	TN	\$ 120.00	460	\$ 55,200.00
515-2020	GALV STEEL PIPE HANDRAIL, 2 IN, ROUND	LF	\$ 47.15	1000	\$ 47,150.00
550-4118	FLARED END SECTION 18 IN, SIDE DRAIN	EA	\$ 318.00	10	\$ 3,180.00
550-1180	STORM DRAIN PIPE, 18 IN, H 1-10	LF	\$ 41.03	200	\$ 8,206.00
603-2180	STN DUMPED RIP RAP, TP 3, 12 IN	SY	\$ 40.33	50	\$ 2,016.50
636-1033	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	SF	\$ 19.70	200	\$ 3,940.00
636-2070	GALV STEEL POSTS, TP 7	LF	\$ 7.98	120	\$ 957.60
652-5451	SOLID TRAFFIC STRIPE, 5 IN, WHITE	LF	\$ 0.29	3200	\$ 928.00
716-2000	EROSION CONTROL MATS, SLOPES	SY	\$ 1.09	12000	\$ 13,080.00
-	BOLLARD	EA	\$ 250.00	6	\$ 1,500.00
-	BRIDGE COMPLETE	SF	\$ 100.00	2160	\$ 216,000.00
-	SPLIT RAIL FENCE	LF	\$ 12.00	200	\$ 2,400.00
-	BOARDWALK	SF	\$ 40.00	12000	\$ 480,000.00

SHARED-USE PATH SUB-TOTAL=	\$ 1,138,085.18
CONTINGENCY (10%) SUB-TOTAL=	\$ 113,808.52
CONSTRUCTION ENGINEERING & INSPECTION (CEI) RATE 5.0% SUB-TOTAL=	\$ 56,904.26
LIQUID AC ADJUSTMENT SUB-TOTAL=	\$ 7,945.04
PE SUB-TOTAL=	\$ 175,000.00
REIMBURSABLE UTILITIES SUB-TOTAL=	\$ -
ROW SUB-TOTAL=	\$ 237,150.00
TOTAL=	\$ 1,728,893.00

Preliminary Right of Way Cost Estimate

Date: September 17, 2014

Project: Multi-Use Trail: Ivy Lane to Seavy Street

Existing/Required R/W: Required

Project Termini: Ivy Lane to Seavy Street

City of Senoia, Coweta County

Project Description: Multi-use Trail – Bicycle/Pedestrian Facility

P.I. Number: 0012879

No. Existing Parcels: 5

Land:

Estimated Required ROW

Commercial	0 sf	@ \$3.00 / sf	= \$0
Industrial	0 sf	@ \$2.00 / sf	= \$0
Residential	62,000 sf	@ \$1.00 / sf	= \$62,000
Agricultural	0 sf	@ \$1.00 / sf	= \$0

Estimated Easements for Construction and Maintenance

Commercial	0 sf	@ \$1.50 / sf	= \$0
Industrial	0 sf	@ \$1.00 / sf	= \$0
Residential	62,000 sf	@ \$0.50 / sf	= \$31,000
Agricultural	0 sf	@ \$0.50 / sf	= \$0

\$93,000

Improvements:

0 businesses, 0 houses, 0 mobile homes, curbing,
paving, signs, fencing and site improvements = \$0

\$0

Relocation:

0 Commercial @ \$ 25,000 / parcel = \$0
0 Residential @ \$ 20,000 / parcel = \$0

\$0

Damages:

Proximity = \$0
Consequential = \$0
Cost To Cure = \$0

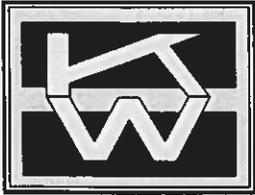
\$0

Net Cost		<u>\$93,000</u>
Scheduling Contingency	55 %	<u>\$51,150</u>
Adm/Court Cost	60 %	<u>\$55,800</u>
Inflation Factor	40 %	<u>\$37,200</u>

Total Cost \$237,150

Prepared By :


SAM J. SERIO (KECK & WOOD, INC)



KECK & WOOD, INC.

2750 Premiere Parkway
Suite 900
Duluth, GA 30097
(678) 417-4000
FAX (678) 417-4055

DATE: 9/17/14

PI NO. 0012879

Memo

TO: Project Manager
OFFICE: Georgia Department of Transportation

FROM : Sam J. Serio, P.E.
OFFICE: Keck & Wood, Inc.

SUBJECT: Conceptual Utility Cost Estimate
PI 0012879, Multi-Use Trail: Ivy Lane to Seavy Street
City of Senoia, Coweta County, Georgia

As requested by your office, we are furnishing you with a Conceptual Reimbursable Utility Cost estimate for the PI 0012879, Multi-Use Trail: Ivy Lane to Seavy Street Project, located in the City of Senoia, Georgia.

<u>FACILITY OWNER</u>	<u>NON-REIMBURSABLE</u>	<u>REIMBURSABLE</u>
City of Senoia – Water	\$0	\$0
City of Senoia – Sewer	\$0	\$0
Georgia Power – Power	\$0	\$0
Coweta – Fayette EMC – Power	\$0	\$0
Atlanta Gas Lights – Natural Gas	\$0	\$0
AT&T – Telecommunications	\$0	\$0
Comcast Communications – Cable	\$0	\$0
Totals:	\$0	\$0

Total estimated reimbursable costs for the above project is **\$0**.

If you have questions, please contact me at 678-417-4023.

SJS



SUBJECT: Senola Paths

MEETING DATE: August 11, 2014

LOCATION: City Hall 80 Main St, Senoia, GA 30276

P.I.: 0012879

Name	Organization	Phone No.	Email Address
Justin A. Banks	GDOT – Office of Program Delivery	404-631-1153	jubanks@dot.ga.gov
Rick Gurney	Keck and Wood	678-417-4008	rgurney@keckwood.com
Sam Serio	Keck and Wood	678-417-4023	sserio@keckwood.com
Richard Ferry	City of Senoia	678-251-5046	rferry@senoia.com

MEETING MINUTES

The PM (Justin Banks) welcomed everyone to the meeting.

The purpose of the meeting was to discuss any possible risks or concerns that could be recognized before the concept report was started.

The consultant discussed the project scope and possible risks:

Design

- Path will be located in Zone A floodplain
- Need to find out the best location to cross the creek
- Location of the path could also be affected by the steepness of the terrain to remain ADA compliant
- Multiple path alternatives will be evaluated at to see what will be best
- Path may be approx. 1 mile

Environmental

- Will be completed by Cypress Cultural Consultants
- Will be the most time consuming due to the path location through the floodplain of Keg Creek

Right-of-Way

- Appraisals and acquisition should take 9 months
- There will be approximately 4- 8 parcels
- Easements (temporary) could be an option

Survey

- The survey will begin after concept to insure that the path location will be identified to avoid additional survey.

Utilities

- Will there be any utility concerns?

Construction

- Could cost more if the Boardwalk was longer

Budget

- Invoices will include a summary and cover letter to verify work completed

ACTION ITEMS

PM

- will find out if ROW or Easement is preferred
- will send the schedule when approved
- send the hydraulic study for crossing at I-85

Consultant

- find out about any utility concerns

2750 Premiere Parkway
Suite 900
Duluth, GA 30097
(678) 417-4000
Fax (678) 417-4055
www.keckwood.com

MEETING MINUTES

WHAT: Meeting Minutes for Senoia Shared-Use Path, PI 0012879

DATE/TIME: November 7, 2014 10:00am

WHERE: One Georgia Center, 14th floor, conference room number 1.

PROJECT: Senoia Pedestrian/Bicycle Improvements, PI 0012879

PERSONNEL PRESENT:

NAME	COMPANY	PHONE #	EMAIL
Sam Serio	Keck & Wood	678-417-4023	sserio@keckwood.com
Casey Guyton	Keck & Wood	678-417-4018	cguyton@keckwood.com
Richard Ferry	City of Senoia	770-599-3679	rferry@senoia.com
Justin Banks	GDOT	404-631-1153	jubanks@dot.ga.gov
Matt Sanders	GDOT	404-631-1752	msanders@dot.ga.gov
Tyler Peek	GDOT	706-646-7605	tpeek@dot.ga.gov
David Neighbors	GDOT	706-845-4115	dneighbors@dot.ga.gov
Sheldon Minor	GDOT	706-646-6913	sminor@dot.ga.gov
Danny Miller	GDOT	706-845-4115	dmiller@dot.ga.gov
Daniel Pass	GDOT	706-646-6987	dpass@dot.ga.gov

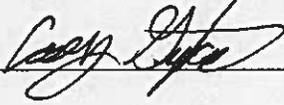
KEY TOPICS:

- GDOT mentioned that the Federal Highway Administration differentiates between the terms "trail" and "path." Everyone agreed to change the project name from "Multi-Use Trail" to "Shared-Use Path."
- GDOT stated the importance of utility coordination and that letters stating "No Conflict" must be received from all applicable utility companies.
- GDOT stated that a GUPS permit would not need to be acquired.
- GDOT asked about the ability of construction personnel and equipment to access the paved portion of the path in between the two boardwalk sections, and whether or not additional Right of Way or Easement acquisition would be required.
- GDOT asked if a permit from the US Army Corps of Engineers would be required regarding floodplain encroachment.
- Keck & Wood stated that further investigation would be done to determine if Keg Creek has a floodway and whether or not it will impact the shared-use path.
- Keck & Wood stated that due to the majority of the construction work being at grade, the only utility relocations would be adjustments of those utilities to the proposed grade.

- GDOT asked to remove the contractor as a responsible party for the relocation of utilities and that an agreement would be necessary for the contractor to do the adjustments/relocations.
- GDOT stated that it would be easier for the applicable utility companies to do the adjustments of utilities to the proposed grade.
- GDOT asked which design criteria would be used when designing the shared-use path and stated that the *AASHTO Guide for the Development of Bicycle Facilities* does not include the design requirements for motorized vehicles.
- The City of Senoia mentioned that the Peachtree City design guides include the design requirements for motorized vehicles may be applicable for this project.
- The City of Senoia is to coordinate with ARC regarding the increase in project fundings.

ATTACHMENT: None

DISTRIBUTION: To above listed personnel present.

Notes by:  / Casey Guyton (Keck & Wood, Inc.)