

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

REVISED PROJECT CONCEPT REPORT

Project Number: STP00-000E-00(195)

County: Gwinnett

P. I. Number: 171562

Federal Route Number: None

State Route Number: None

The termini of this multi-use path project have been shifted from a location north of Pleasant Hill between Howell Bridge Parkway and Rogers Bridge Road to termini south of Pleasant Hill between Summerchase Road and Howell Ferry Road. The project length has been reduced from 2.1 miles to 0.6 miles. The shift in termini is due to Local Sponsor funding constraints of the approved concept.

Submitted for approval: (Submit to "Concept Reports" in Outlook)

DATE _____

Design Consultant Name and Firm Name (if applicable)

DATE 3/10/10

City of Duluth - Cliff Owens
Local Government (if applicable)

DATE _____

Design Phase Office Head (if applicable)

DATE 3/10/10

Walter W. Manning
Office Head (Project Manager's Office)

DATE 3/10/10

Paul A. Kauter
Project Manager

Recommendation for approval:

DATE 3/19/10

GLENN BOWMAN / GBS / APPROVAL ON FILE
State Environmental Administrator

DATE _____

State Bridge Design Engineer (if applicable)

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

DATE 3/29/10

Angela J. Alexander *
State Transportation Planning Administrator

* THIS CONCEPT REPORT IS SIGNED WITH THE UNDERSTANDING THAT THIS
TE PROJECT IS NOT SHOWN IN THE RTP/TIP. THIS TE PROJECT HAD
CONSTRUCTION FUNDS AUTHORIZED IN 2000. AT THAT TIME, THE PROJECT WAS
REMOVED FROM THE RTP/TIP.

REVISED PROJECT CONCEPT REPORT

Need and Purpose: Gwinnett County and the City of Duluth have identified the need to construct a multi-use pedestrian bike trail along the western side of Peachtree Industrial Boulevard from Summerchase Drive to Howell Ferry Road. The purpose of constructing the multi-use trail would be to provide a recreational path for the high-density residential communities located along this portion of Peachtree Industrial Boulevard (PIB). The trail would also provide pedestrian and bicycle access to several commercial/industrial facilities located on or near Peachtree Industrial Boulevard, possibly reducing vehicular traffic volumes along this section of the roadway. The 0.6 mile of trail would become a leg of a planned trail system providing access to the Chattahoochee River Trail System in Gwinnett County. Sections of this system up to Summerchase Drive have been constructed. Sections of this system north of Howell Ferry Road are included in the GDOT construction work program. The section of multi-use trail along Rogers Bridge Trail (Road), at the northern end of the trail system at the Chattahoochee River (PI 0000109) is currently under construction.

Project location: The project is located in Gwinnett County in the southern city limits of Duluth. The project begins at the intersection of Summerchase Drive and Peachtree Industrial Boulevard and continues in a northerly direction along the west side of PIB to a terminus at Howell Ferry Road. The proposed trail is 10 feet wide and approximately 0.6 miles long.

Description of the approved concept: The approved project is located in Gwinnett County within the city limits of Duluth. The project begins at the intersection of Peachtree Industrial Boulevard and Howell Bridge Parkway, which is just north of Pleasant Hill Road and continues north along Peachtree Industrial Boulevard to a terminus at Rogers Bridge Road. The proposed trail is 10 feet wide and approximately 2.1 miles long.

PDP Classification: Major _____ Minor X

Federal Oversight: Full Oversight (), Exempt (X), State Funded (), or Other ()

Functional Classification: Urban Arterial

U. S. Route Number(s): N/A **State Route Number(s):** N/A

Traffic (AADT) as shown in the approved concept:

Base Year: N/A Design Year: N/A

Updated traffic data (AADT): (Phase 1)

Base Year: N/A Design Year: N/A

Approved Programmed/Schedule:

P.E. 1998 R/W: N/A Construction: 2010

VE Study Required Yes () No (X)

Benefit/Cost Ratio N/A

Is the project located in an Ozone Non-attainment area? Yes (X) No ()

Is the project in a PM2.5 Non-Attainment area? Yes (X) No ()

The project was identified in a previous ARC TIP (2000-2002) but was removed from the TIP once the CST funds were approved in June 2000. The project concept has not changed however the project termini locations have changed.

<p>Approved Features: The approved concept has the project beginning termini located north of Pleasant Hill Road at the intersection of Howell Bridge Parkway (now River Green Parkway) then continuing north along Peachtree Industrial Boulevard to Rogers Bridge Trail, the northern project terminus. The approved project length is 2.1 miles.</p>	<p>Proposed Features: The revised beginning termini for the proposed project is now located at the intersection of Summerchase Drive and Peachtree Industrial Boulevard. This intersection is south of Pleasant Hill Road. The project continues north along the western side of PIB to a terminus at Howell Ferry Road. The proposed project length is 0.6 miles</p>
<p>Reason for Change: As stated in the Need and Purpose, Gwinnett County and the City of Duluth are developing a system of interconnecting trails and sidewalks along PIB and other local roads to serve the communities in the area. The currently approved project was part of a larger system of projects along PIB from south of Berkley Lake Road to the Chattahoochee River at Rogers Bridge Trail north of Pleasant Hill Road.</p>	
<p>The project limits of this project are being revised for two reasons. First, the scope (length) of the original project and associated costs were greater (by a large delta) than Gwinnett County and the City of Duluth had SPLOST funds at the time to provide their local share. Gwinnett County deferred bidding the project hoping for lower bid prices and reviewed the project to see how the costs could be reduced. Subsequently (around 2005/2006) and the second reason, two new projects were added to the GDOT work program with ARC (L230) funds and HPP funds to help pay for portions of the multi-use path along PIB in the same corridor. As a result of both of the above actions, Gwinnett County and the City of Duluth requested adjusting the project termini of this project, 171562 to the proposed location. The project limits were covered by the original environmental document and the current reeval.</p>	

Updated Cost Estimate

Construction including Contingencies	\$ 1,038,443.25
Fuel Adjustment	N/A (Local Let Project)
Right-of-Way (Entire Project)	\$ 0.00 (Existing)
Utilities (reimbursable)	\$ 0.00 (Local Sponsor Responsible)
Utility Contingencies	\$ 0.00

Recommendation: Recommend that the proposed revision to the concept be approved for implementation.

Attachments:

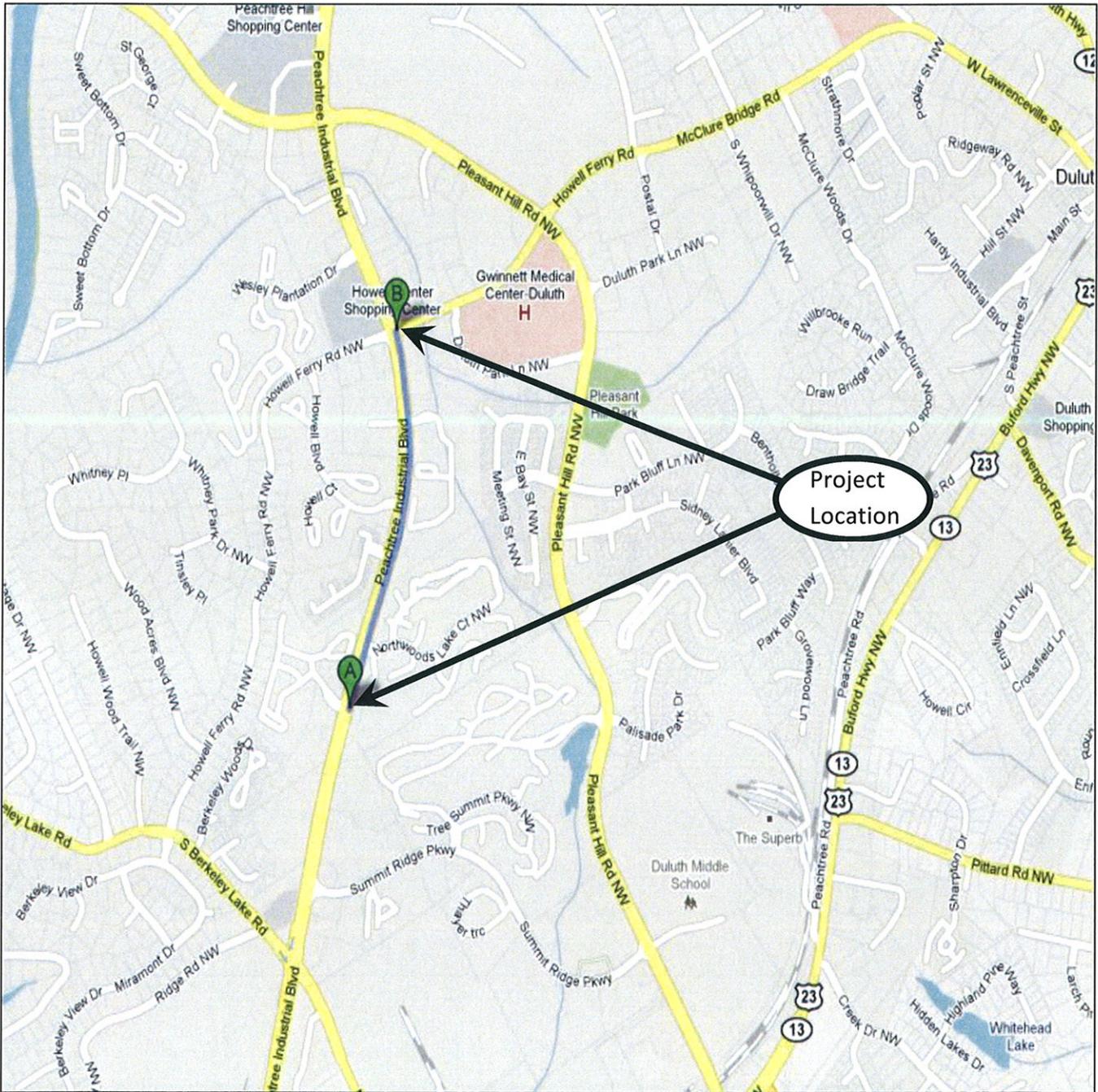
1. Sketch Map,
2. Cost Estimate,

Exempt projects

Concur: 
Director of Engineering

Approve: 
Chief Engineer

Date: 5/8/2010



Location Sketch
PI 171562
Gwinnett County

LOCAL LET PROJECT

EXHIBIT D
BUDGET ESTIMATE, PI 171562

Item #	GDOT #	Description	Units	Est. Bid Quantity	Unit Price	Total Price
005	150-1000A	TRAFFIC CONTROL - PROJECT NO. F-0339 (SUMMER CHASE TO HOWELL FERRY)	LS	1	\$73,518.00	\$73,518.00
015	153-1200	FIELD ENGINEERS OFFICE TP 2	EA	1	\$63,000.00	\$63,000.00
020	161-1000A	EROSION CONTROL - PROJECT NO. F-0339 (SUMMER CHASE TO HOWELL FERRY)	LS	1	\$2,000.00	\$2,000.00
025	163-0550	CONSTR & REMOVE INLET SEDIMENT TRAP	EA	10	\$1,300.00	\$1,300.00
040	171-0030	TEMPORARY SILT FENCE, TP C	LF	910	\$2.00	\$1,820.00
045	207-0203	FOUND BKFILL MATL, TP II	CY	30	\$30.00	\$900.00
050	210-0100A	GRADING COMPLETE - PROJECT NO. F-0339 (SUMMER CHASE TO HOWELL FERRY)	LS	1	\$75,000.00	\$75,000.00
060	310-1101	GR AGGR BASE CRS, INCL MATL	TN	990	\$18.00	\$17,820.00
065	402-3113	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	TN	260	\$72.00	\$18,720.00
070	402-3131	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	TN	207	\$74.00	\$1,500.00
075	402-3190	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	TN	38	\$74.00	\$2,812.00

080	413-1000	BITUM TACK COAT	GL	124	\$4.00	\$496.00
085	441-0204	PLAIN CONC DITCH PAVING, 4 IN	SY	553	\$27.00	\$14,931.00
090	441-6222	CONC CURB & GUTTER, 8 IN X 30 IN, TP 2	LF	570	\$14.00	\$7980.00
095	444-1000	SAWED JOINTS IN EXIST PAVEMENTS - PCC	LF	200	\$7.00	\$1,400.00
100	457-1000	GEOGRID REINFORCED SLOPE EMBANKMENT	SY	80	\$100.00	\$8,000.00
105	550-1180	STORM DRAIN PIPE, 18 IN, H 1-10	LF	1331	\$36.00	\$47,916.00
110	550-1300	STORM DRAIN PIPE, 30 IN, H 1-10	LF	27	\$60.00	\$1,620.00
115	550-4218	FLARED END SECTION 18 IN, STORM DRAIN			\$43.00	\$2,150.00
120	573-2006	UNDDR PIPE INCL DRAINAGE AGGR, 6 IN	LF	400	\$7.00	\$2,800.00
125	610-1055	REM GUARDRAIL	LF	143	\$3.00	\$429.00
130	610-1066	REM GUARDRAIL ANCH, TP 1	EA	1	\$200.00	\$200.00
135	610-1074	REM GUARDRAIL ANCH, TP 9	EA	1	\$200.00	\$200.00
140	611-8000	ADJUST CATCH BASIN TO GRADE	EA	7	\$170.00	\$1,190.00
145	622-1033	PRECAST CONCRETE MEDIAN BARRIER, METHOD 3	LF	800	\$65.00	\$52,000.00
150	632-0003	CHANGEABLE MESSAGE SIGN, PORTABLE, TP 3	EA	2	\$5,200.00	\$10,400.00
155	636-1020	HWY SIGNS, TP 1 MATL, REFL SHEETING, TP 2	SF	117.75	\$17.00	\$2,001.75
160	636-1033	HWY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	SF	33.5	\$21.00	\$703.50

165	636-2070	GALV STEEL POSTS, TP 7	LF	254	\$9.00	\$2,286.00
170	636-2080	GALV STEEL POSTS, TP 8	LF	9	\$101.00	\$909.00
175	636-4104	PLASTIC FLEXIBLE DELINEATOR, TP 2B	EA	11	\$10.00	\$110.00
180	636-5031	DELINEATOR, TP 3A	EA	2	\$63.00	\$126.00
185	641-1100	GUARDRAIL, TP T	LF	40	\$64.00	\$2,560.00
190	641-1200	GUARDRAIL, TP W	LF	633	\$16.00	\$10,128.00
195	641-5001	GUARDRAIL ANCH, TP 1	EA	2	\$55.00	\$110.00
200	641-5012	GUARDRAIL ANCH, TP 12	EA	2	\$1,610.00	\$3,220.00
205	652-0220	PAVEMENT MARKING, WORD, TP 2	EA	5	\$45.00	\$225.00
210	652-5452	SOLID TRAFFIC STRIPE, 5 IN, YELLOW	LF	538	\$0.30	\$161.40
215	652-6502	SKIP TRAFFIC STRIPE, 5 IN, YELLOW	GLF	2456	\$0.30	\$736.80
230	653-1704	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	LF	258	\$4.00	\$1,032.00
235	653-1804	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	LF	2354	\$1.70	\$4,001.80
240	653-6006	THERMOPLASTIC TRAF STRIPING, YELLOW	LF		\$3.60	
245	656-0080	REMOVE EXIST SOLID TRAF STRIPE, 8 IN, THERMOPLASTIC	LF		\$1.10	
250	656-4001	REMOVE EXIST TRAF MARKINGS, THERMOPLASTIC	LF		\$21.00	
255	668-1100	CATCH BASIN, GP 1	EA	7	\$2,150.00	\$15,050.00
260	700-0200A	GRASSING COMPLETE - PROJECT NO. F-0339 (SUMMER CHASE TO HOWELL FERRY)	LS	1	\$4,300.00	\$4,300.00
270	710-9000	PERMANENT SOIL	SY	120	\$5.00	\$600.00

		REINFORCING MAT				
275	715-2100	BITUMINOUS TREATED ROVING, SLOPES	SY	910	\$1.50	\$1,365.00
		TRAFFIC SIGNALS				
280	615-1200A	DIRECTIONAL BORE - 3 IN	LF	170	\$22.00	\$3,740.00
290	636-1041	HWY SIGNS, TP 2 MATL, REFL SHEETING TP 9	SF	49.5	\$28.00	\$1,386.00
295	639-4004	STRAIL POLE, TP IV	EA	3	\$5,900.00	\$17,700.00
300	647-1000A	TRAFFIC SIGNAL INSTALLATION NO - 1 (PROJECT NO. F-0339 SUMMER CHASE TO HOWELL FERRY)	LS	1	\$58,000.00	\$58,000.00
310	682-6233	CONDUIT, NONMETAL, TP 3.2 IN	LF	800	\$4.50	\$3,600.00
315	935-1511	OUTSIDE PLANT FIBER OPTIC CABLE, DROP, SINGLE MODE, 6 FIBER	LF	100	\$4.00	\$400.00
320	935-4010	FIBER OPTIC SPLICE FUSION	EA	4	\$75.00	\$300.00
325	938-8000	TESTING	LS	1	\$4,560.00	\$4,560.00
330	939-2305	FIELD SWITCH, TYPE C	EA	1	\$3,300.00	\$3,300.00
		RETAINING WALLS				
		WALL NO. 1				
335	500-3110A	CLASS A CONCRETE, RETAINING WALL	LS	1	\$291,831.00	\$291,831.00
340	515-2015A	GALV STEEL PIPE HANDRAIL - 1 1/4" ROUND	LS	1	\$35.00	\$35.00
345	628-0100A	BAR REINF STEEL	LB	400	\$1.00	\$400.00
		WALL NO. 2				
350	500-3110B	CLASS A CONCRETE, RETAINING WALL	LS	1	\$15,318.00	\$15,318.00
355	515-2015B	GALV STEEL PIPE HANDRAIL - 1 1/4" ROUND	LS	1	\$35.00	\$35.00
360	628-0100B	BAR REINF STEEL	LB	70	\$1.00	\$70.00
		WALL NO. 3				
365	500-	CLASS A CONCRETE,	LS	1	\$165,937.00	

	3110C	RETAINING WALL				\$165,937.00
370	515-2015C	GALV STEEL PIPE HANDRAIL - 1 1/4" ROUND	LS	1	\$35.00	\$35.00
375	628-0100C	BAR REINF STEEL	LB	1	\$1.00	\$400.00
				TOTAL		\$1,038,443.25