

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: STP-0006-00(276) Gwinnett County OFFICE: Atlanta, Georgia
P.I. No. 0006276
DATE: April 21, 2008

FROM: Russell McMurry, P.E., District Engineer

TO: Genetha Rice-Singleton, Assist. Director of Preconstruction

SUBJECT: Revised Project Concept Report

Attached is the original copy of the revised Concept Report for your further handling for approval in accordance with the Plan Development Process (PDP).

Upon re-evaluation of the funding available for this project, it was necessary to modify the termini of project.

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

DATE _____
State Transportation Planning Administrator

Distribution:

- Brian Summers - State Project Review Engineer
- Glenn Bowman - State Environmental/Location Engineer
- Keith Golden - State Traffic Safety and Design Engineer
- Angela T. Alexander - State Transportation Planning Administrator
- Jamie Simpson - State Transportation Financial Management Administrator
- Paul Liles - State Bridge Design Engineer

REVISED CONCEPT REPORT PAGE 2
PROJECT NUMBER: STP-0006-00(276)
P. I. Number: 0006276
County: Gwinnett

REVISED PROJECT CONCEPT REPORT

Need and Purpose: The City of Duluth is one of the foremost cities selected by the Atlanta Regional Commission to participate in Livable Centers Initiative (LCI) program. One of the primary goals of the LCI program is to promote a “pedestrian-friendly” environment within the town center. As part of their LCI program, Duluth has developed a grid system of streets within the city center that will enhance connectivity and improve pedestrian access to downtown. The Ridgeway Road Extension and Hospital Connector are included in that proposed grid system.

This project, coupled with the Davenport Road extension LCI project, will provide a safe, expedient, direct pedestrian link from the neighborhoods into the city center including access to Duluth High and Middle Schools, the Town Green, Taylor Park, City Hall and Duluth Police Dept.

Project Location: Project STP-0006-00(276), Gwinnett County/City Duluth has an approximate total length of 0.23 miles. The project begins at the intersection of McClure Bridge Road and Lawrenceville Road and continues as an east-west connector on new location to SR 120/Abbotts Bridge Road/Duluth Highway at the proposed new entrance to Duluth High School.

Description of the approved project: This project will extend Ridgeway Road north on new location to the proposed Roundabout at the intersection of McClure Bridge Road and Lawrenceville Road. The project will then continue on new location as an east-west connector between the McClure Bridge Road and West Lawrenceville Road intersection and SR 120 at the proposed new entrance to Duluth High School.

PDP Classification

Full Oversight (), Exempt (X), SF (), Other ()

Functional Classification: Urban Local Road (Currently being reclassified as an Urban Collector)

US Route Number(s): N/A

State Route Number(s): N/A

Traffic (ADT) as shown in the approved concept:

Current Year (2010): 9,500

Design Year (2030): 14,120

REVISED CONCEPT REPORT PAGE 3
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Proposed Features to be revised: Due to the funding issue, the approved concept has been amended as follows:

1. With regard to changes to the project termini, the beginning of the project has been changed from the end of the existing Ridgeway Road to the intersection of McClure Bridge Road and Lawrenceville Road. The section of Ridgeway Road and the proposal roundabout included in the original concept will be constructed with local funds and therefore is being deleted from the federally funded project.
2. No changes are planned on the proposed typical section.
3. With regard to changes in right-of-way limits, the limits of right of way have been decreased due to the removal of the Ridgeway Road section.
4. No changes are planned concerning the proposed alignment.
5. No changes are planned for access control.
6. No changes are planned for controlling criteria.

Updated traffic data (ADT):

Base Year (2010): 9,500

Design Year (2030): 14,120

Programmed Schedule:

P.E.: 2004

R/W: 2009

Construction: 2009

Revised cost estimate:

Construction (Infl., E & C)	\$1,265,641	
Right-of-Way	\$1,765,000	Acquired by LGPA
Utilities	\$0	Adjusted by LGPA

This project is located in a Non-attainment area. Even though the proposed LCI project is within the Non-attainment area, we can not provide a comparison between the proposed project concept and the conforming plan's model description because the Hospital Connector is a new road with existing local functional classification; which are not include in the conforming plan's model.

Recommendation: It is recommended that these changes be approved and that the project estimate be adjusted to reflect these changes.

Attachments:

1. Sketch Map
2. Cost Estimate

Concur:

Director of Preconstruction

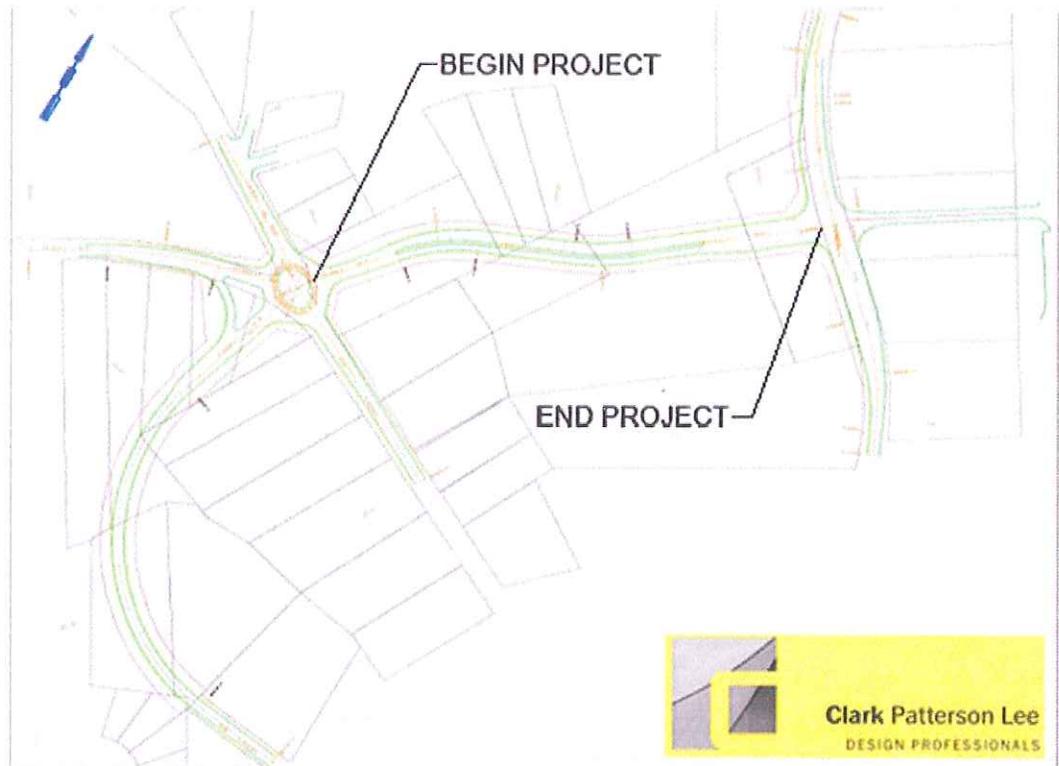
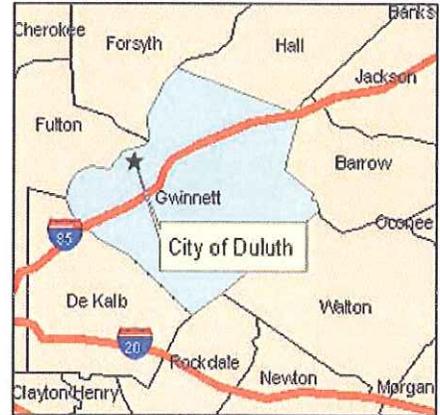
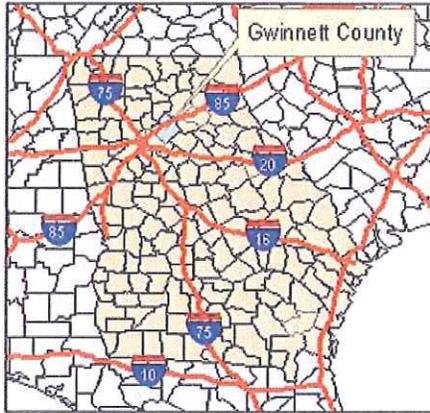
Approve:

Chief Engineer

Project Location Map

Hospital Connector

Duluth, Georgia



Estimate Report for file "Hospital Connector"

Section Roadway					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	10000.00	TRAFFIC CONTROL	10000.00
153-1300	1	FA	74663.84	FIELD ENGINEERS OFFICE TP 3	74663.84
201-1500	1	LS	30500.00	CL FARING & GRUBBING	30500.00
205-0001	39550	CY	4.57	UNCL ASS EXCAV	180743.50
207-0203	120	CY	54.57	FOUND BK FILL MATL, TP II	6548.40
310-1101	4000	TN	22.02	GR AGGR BASE CRS, INCL MATL	88080.00
318-3000	1000	TN	23.74	AGGR SURF CRS	23740.00
402-3113	490	TN	69.75	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	34177.50
402-3121	1310	IN	63.09	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	82647.90
402-3190	655	IN	63.26	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	41435.30
413-1000	595	GI	1.89	BITUM TACK COAT	1124.55
441-0104	1190	SY	33.14	CONC SIDEWALK, 4 IN	39436.60
441-0204	1050	SY	35.56	PLAIN CONC DITCH PAVING, 4 IN	37338.00
441-0754	1100	SY	55.85	CONCRETE MEDIAN, 7 1/2 IN	61435.00
441-6022	3850	LF	20.10	CONC CURB & GUTTER, 6 IN X 30 IN, TP 2	77385.00
634-1200	34	FA	103.44	RIGHT OF WAY MARKERS	3516.96
641-1200	750	LF	15.62	GUARDRAIL, TP W	11715.00
641-5001	2	EA	626.15	GUARDRAIL ANCHORAGE, TP 1	1252.30
641-5012	2	EA	1816.20	GUARDRAIL ANCHORAGE, TP 12	3632.40
Section Sub Total:					\$817,372.25

Section Drainage					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
550-1100	495	LF	45.35	STORM DRAIN PIPE, 18 IN, II 1-10	22448.25
550-1240	600	LF	50.46	STORM DRAIN PIPE, 24 IN, II 1-10	30276.00
550-1404	170	LF	192.87	STORM DRAIN PIPE, 48 IN, II 25-30	32787.90
550-3318	1	EA	595.40	SAFETY END SECTION 18 IN, STORM DRAIN, 4:1 SLOPE	595.40
550-3448	2	EA	3000.00	SAFETY END SECTION 48 IN, SIDE DRAIN, 4:1 SLOPE	6000.00
573-2004	2000	LF	31.36	UNDDR PIPE INCL DRAINAGE AGGR, 4 IN	62720.00
668-1100	14	EA	2841.82	CATCH BASIN, GP 1	39785.48
668-2100	7	EA	3166.71	DROP INLET, GP 1	22166.97
668-2110	11	LF	371.62	DROP INLET, GP 1, ADDL DEPTH	4086.72
668-4300	2	EA	2567.90	STORM SEWER MANHOLE, TP 1	5125.96
Section Sub Total:					\$225,992.68

Section Temporary Erosion Control					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	3	AC	740.04	TEMPORARY GRASSING	2220.12
163-0300	2	EA	1732.59	CONSTRUCTION EXIT	3465.18
163-0524	12	EA	316.74	CONSTRUCT AND REMOVE TEMPORARY DITCH CHECKS - STONE PLAIN RIP RAP/SAND BAGS	3800.80
163-0550	14	EA	271.46	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	3800.44
165-0010	600	LF	0.80	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	480.00
165-0030	600	LF	1.50	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	900.00
165-0040	12	EA	63.75	MAINTENANCE OF EROSION CONTROL CHECKDAMS/DITCH CHECKS	765.00
165-0101	2	EA	573.85	MAINTENANCE OF CONSTRUCTION EXIT	1147.70
165-0105	14	EA	90.60	MAINTENANCE OF INLET SEDIMENT TRAP	1268.40
167-1000	2	EA	1135.73	WATER QUALITY MONITORING AND SAMPLING	2271.46
167-1500	24	MO	935.32	WATER QUALITY INSPECTIONS	22447.68
171-0010	1200	LF	1.65	TEMPORARY SILT FENCE, TYPE A	1980.00
171-0030	1200	LF	3.80	TEMPORARY SILT FENCE, TYPE C	4560.00
716-2000	10560	SY	1.23	EROSION CONTROL MATS, SLOPES	12988.80
Section Sub Total:					\$62,143.66

Section Permanent Erosion Control					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0240	60	TN	181.75	MULCH	10905.00
603-2100	100	SY	46.20	STN DUMPED RIP RAP, TP 3, 12 IN	4620.00
603-7000	100	SY	5.12	PLASTIC FILTER FABRIC	512.00
700-6910	5	AC	1070.25	PERMANENT GRASSING	5351.25
700-7000	0	TN	58.52	AGRICULTURAL LIME	535.68
700-7010	0	GI	21.50	LIQUID LIME	172.00

Detail Estimate: Cost Estimate Report

573-2004	2000	LF	31.36	UNDRR PIPE INCL DRAINAGE AGGR, 4 IN	62720.00
668-1100	14	EA	2841.82	CATCH BASIN, GP 1	39785.48
668-2100	7	EA	3166.71	DROP INLET, GP 1	22166.97
668-2110	11	LF	371.52	DROP INLET, GP 1, ADDL DEPTH	4086.72
668-4300	2	EA	2562.98	STORM SEWER MANHOLE, TP 1	5125.96
Section Sub Total:					\$225,992.68

Section Permanent Erosion Control					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0240	60	TN	181.75	MULCH	10905.00
603-2180	100	SY	46.28	STN DUMPED RIP RAP, TP 3, 12 IN	4620.00
603-7000	100	SY	5.12	PLASTIC TILLER FABRIC	512.00
700-6910	5	AC	1078.25	PERMANENT GRASSING	5391.25
700-7000	9	TN	59.52	AGRICULTURAL LIMB	535.68
700-7010	8	GL	21.50	LIQUID LIME	172.00
700-8000	3	TN	291.86	FERTILIZER MIXED GRADE	875.58
700-8100	150	LB	2.51	FERTILIZER NITROGEN CONTENT	376.50
Section Sub Total:					\$23,396.01

Total Estimated Cost: \$1,150,582.80

Subtotal Construction Cost	\$1,150,582.80
E&C Rate 10.0 %	\$115,058.28
Inflation Rate 0.0 % @ 0 Years	\$0.00
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Total Construction Cost	\$1,265,641.08
Right Of Way	\$1,765,000.00
Reimb. Utilities	\$0.00
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Grand Total Project Cost	\$3,030,641.08