

MorelandAltobelliAssociates, Inc

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Thomas D. Moreland, PE  
President

Aiva R. Byron, PE  
Executive V.P. Engineering

Vickie E. Moreland  
V.P. Finance

George M. Byrd, PE  
V.P. Municipal Services

January 30, 2006

Mr. Ken Suddreth  
Planning Director  
City of Duluth  
3578 West Lawrenceville Street  
Duluth, GA 30096

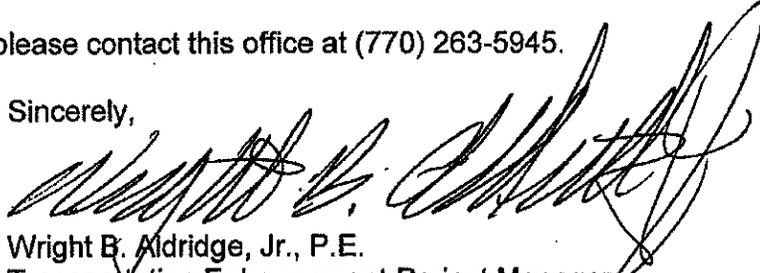
Re: Transportation Enhancement STP-0006-00 (276), P.I. No. 0006276,  
Ridgeway Road Extension/Hospital Connector, Gwinnett County

Dear Mr. Suddreth:

The Concept Report for the above project has been approved. Attached are copies of the cover sheet of the report, each with an individual signature. You may proceed with the development of the project as proposed in the Concept Report.

Should you have any questions, please contact this office at (770) 263-5945.

Sincerely,



Wright B. Aldridge, Jr., P.E.  
Transportation Enhancement Project Manager

WBA:oh

Attachments

cc: Steve Robert  
Bron Cleveland Associates, Inc.



Recycled Paper

Engineering, Planning, Architecture, Land Acquisition, Surveying, Geotechnical, Environmental

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**LCI PROJECT CONCEPT REPORT  
RIDGEWAY ROAD EXTENSION / HOSPITAL CONNECTOR**

**GDOT Project Number:** STP-0006-00(276)

**GDOT P.I. Number:** 0006276

**FEDERAL FUNDS:** \$1,100,000      **MATCHING FUNDS:** \$275,000

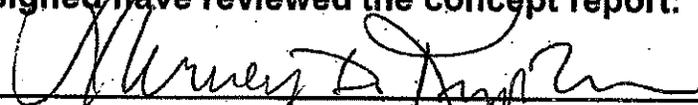
**FISCAL YEAR PROPOSED:** 2005

**PROJECT SPONSOR:** City of Duluth

**CONTACT PERSON:** Ken Suddreth, Phone # (770) 476-1790

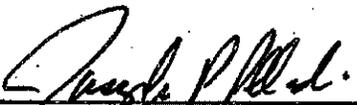
**Date of Report:** 11/11/05

**The undersigned have reviewed the concept report:**

11.17.05   
Date      State Environmental/Location Engineer

\_\_\_\_\_  
Date      State Traffic Safety & Design Engineer

\_\_\_\_\_  
Date      District Engineer

11/18/05   
Date      State Transportation Planning Administrator

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

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STATE OF GEORGIA**

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**The undersigned have reviewed the concept report:**

**Date**      **State Environmental/Location Engineer**

1-13-06      [Signature]

**Date**      **State Traffic Safety & Design Engineer**

**Date**      **District Engineer**

11/18/05      [Signature]

**Date**      **State Transportation Planning Administrator**

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**Date      State Environmental/Location Engineer**

\_\_\_\_\_  
**Date      State Traffic Safety & Design Engineer**

1/25/2006 *Bill R McManis*  
**Date      District Engineer**

\_\_\_\_\_  
**Date      State Transportation Planning Administrator**

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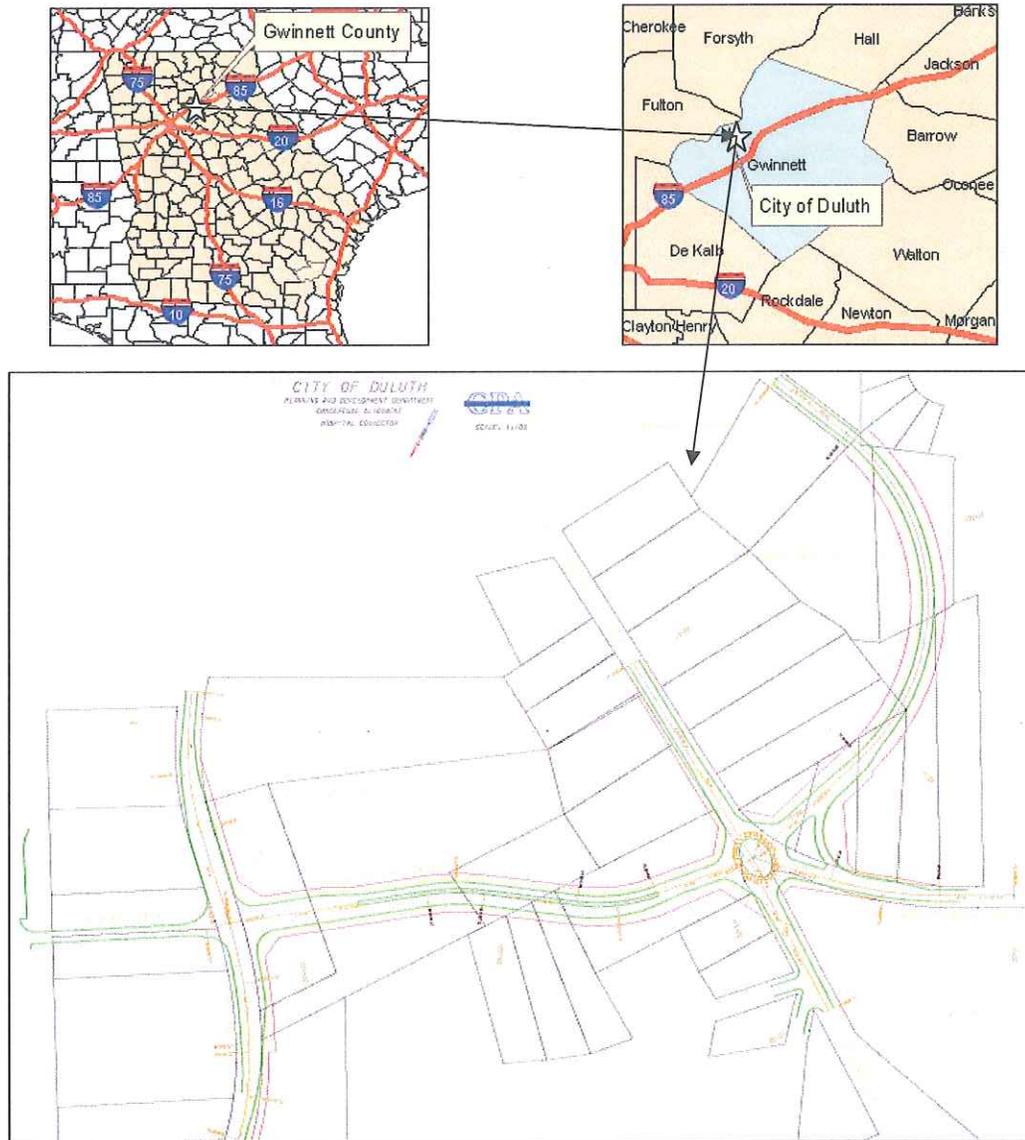
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Project Concept Report page 2  
Project Number: STP-0006-00(276)  
P. I. Number: 0006276  
County: Gwinnett

### Project Location Map Ridgeway Road Extension/Hospital Connector Duluth, Georgia



Created by: LCF Date: 5/21/2008 Data: EOP1, John V:\Project Requests\Health\Bartepal LocationMap



### PROJECT LOCATION MAP RIDGEWAY ROAD EXTENSION/HOSPITAL CONNECTOR

**Project STP-0006-00(276)  
PI No. 0006276**

**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, alleviate congestion, improve traffic flow, and improve pedestrian access to downtown. The Ridgeway Road Extension/Hospital Connector is 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.

**Description of the proposed 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.

This concept satisfies the Need and Purpose by alleviating congestion, enhancing connectivity, and improving pedestrian access and traffic flow within the downtown Duluth area.

**Is the project located in a Non-attainment area?  Yes  No.**

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

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**PDP Classification:**

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

**Functional Classification:** Urban Local Road

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

**Traffic (AADT):**

Current Year: (2010)  9,500  Design Year: (2030)  14,120

**Existing design features:**

- Typical Section:  N/A
- Posted speed  N/A  mph Maximum degree of curvature:  N/A
- Maximum grade:  N/A
- Width of right of way:  N/A
- Major structures:  N/A
- Major interchanges or intersections along the project:  
 McClure Bridge Road @ West Lawrenceville Street.

Existing length of roadway segment and the beginning mile logs for each county segment. For new location projects, the existing length of roadway is zero (0).  0.0 miles

**Proposed Design Features:**

- Proposed typical section(s): The Ridgeway Road Extension typical section will be one twelve-foot wide travel lane in each direction with curb and gutter and pedestrian sidewalk. The Hospital Connector typical section will be one twelve-foot wide travel lane divided with a twelve-foot raised median with curb and gutter, right and left turn lanes and pedestrian sidewalk on each side. The length of the new roadway is 0.50 miles.
- Proposed Design Speed Mainline  35  mph
- Proposed Maximum grade Mainline  8.0  % Maximum grade allowable  10.0  %
- Proposed Maximum grade Side Street  N/A  % Maximum grade allowable  10.0  %
- Proposed Maximum grade driveway  N/A  %
- Proposed Minimum Radius of curve  500-ft  Minimum Radius allowable  371-ft
- Right of way Width  
 Proposed right-of-way will be 60-80 feet. 
  - Easements: Temporary (X), Permanent (X), Utility ( ), Other ( ).
  - Type of access control: Full ( ), Partial ( ), By Permit (X), Other ( ).
  - Number of parcels:  23  Number of displacements:
    - X Business:  1
    - Residences:  3
    - Mobile homes:  0
    - Other:  0
- Structures:
  - Bridges:  N/A
  - Retaining walls:  N/A

- Major intersections and interchanges.  
 McClure Bridge Road, West Lawrenceville Street and Ridgeway Road Extension/Hospital Connector.  
 Ridgeway Road Extension/Hospital Connector and Abbotts Bridge Road/S.R.120.
- Traffic control during construction:  
 Traffic will be maintained on the existing road during construction.
- Design Exceptions to controlling criteria anticipated:

	<u>UNDETERMINED</u>	<u>YES</u>	<u>NO</u>
HORIZONTAL ALIGNMENT:	( )	( )	( X )
ROADWAY WIDTH:	( )	( )	( X )
SHOULDER WIDTH:	( )	( )	( X )
VERTICAL GRADES:	( )	( )	( X )
CROSS SLOPES:	( )	( )	( X )
STOPPING SIGHT DISTANCE:	( )	( )	( X )
SUPERELEVATION RATES:	( )	( )	( X )
HORIZONTAL CLEARANCE:	( )	( )	( X )
SPEED DESIGN:	( )	( )	( X )
VERTICAL CLEARANCE:	( )	( )	( X )
BRIDGE WIDTH:	( )	( )	( X )
BRIDGE STRUCTURAL CAPACITY:	( )	( )	( X )

- Design Variances: None Expected
- Environmental concerns: 4F (Murphy House & Van Horn House)  
 Level of environmental analysis:
  - Are Time Savings Procedures appropriate? Yes ( X ), No ( ),
  - Categorical exclusion ( X ),
  - Environmental Assessment/Finding of No Significant Impact (FONSI) ( ), or
  - Environmental Impact Statement (EIS) ( ).
- Utility involvements: Georgia Power, Gwinnett County Water & Sewer, Atlanta Gas Company, Bellsouth

**Project responsibilities:**

- Design, City of Duluth
- Right of Way Acquisition, City of Duluth
- Relocation of Utilities, City of Duluth
- Letting to contract, City of Duluth
- Supervision of construction, City of Duluth
- Providing material pits, City of Duluth
- Providing detours. N/A

**Coordination**

Project Concept Report page 6  
Project Number: STP-0006-00(276)  
P. I. Number: 0006276  
County: Gwinnett

- Initial Concept Meeting date and brief summary. No initial concept meeting was held
- Concept meeting date and brief summary. November. 1, 2005; See Attached Minutes.
- P. A. R. meetings, dates and results: N/A
- FEMA, USCG, and/or TVA: N/A
- Public involvement. Public Information Meeting, December 13, 2005
- Local government comments. . N/A
- Other projects in the area.  
Projects STP-0002-00(860), STP-0004-00(486), STP-0002-00(328), and STP-0002-00(859) are located within a mile radius of the project.
- Other coordination to date. None

#### **Scheduling – Responsible Parties' Estimate**

- Time to complete the environmental process: 9 Months.
- Time to complete preliminary construction plans: 8 Months.
- Time to complete right of way plans: 3 Months.
- Time to complete the Section 404 Permit: 6 Months.
- Time to complete final construction plans: 8 Months.
- Time to complete to purchase right of way: 8 Months.

#### **Other alternates considered:**

**No Build:** This alternative does not meet the capacity and operational needs of the project.

#### **Comments:**

#### **Attachments:**

1. Cost Estimates:
  - a. Construction including E&C,
2. Concept layout,
3. Typical Sections,
4. Minutes of Concept Meeting ,
5. Location and Design Notice.

Project Concept Report page 7  
 Project Number: STP-0006-00(276)  
 P. I. Number: 0006276  
 County: Gwinnett

## PRELIMINARY COST ESTIMATE

PROJECT NUMBER: STP-006-00(276)/P.I. No.006276

COUNTY: Gwinnett

DATE: October 2005

City: Duluth

PREPARED BY: Clark Patterson Associates

PROJECT LENGTH (MILES):0.50

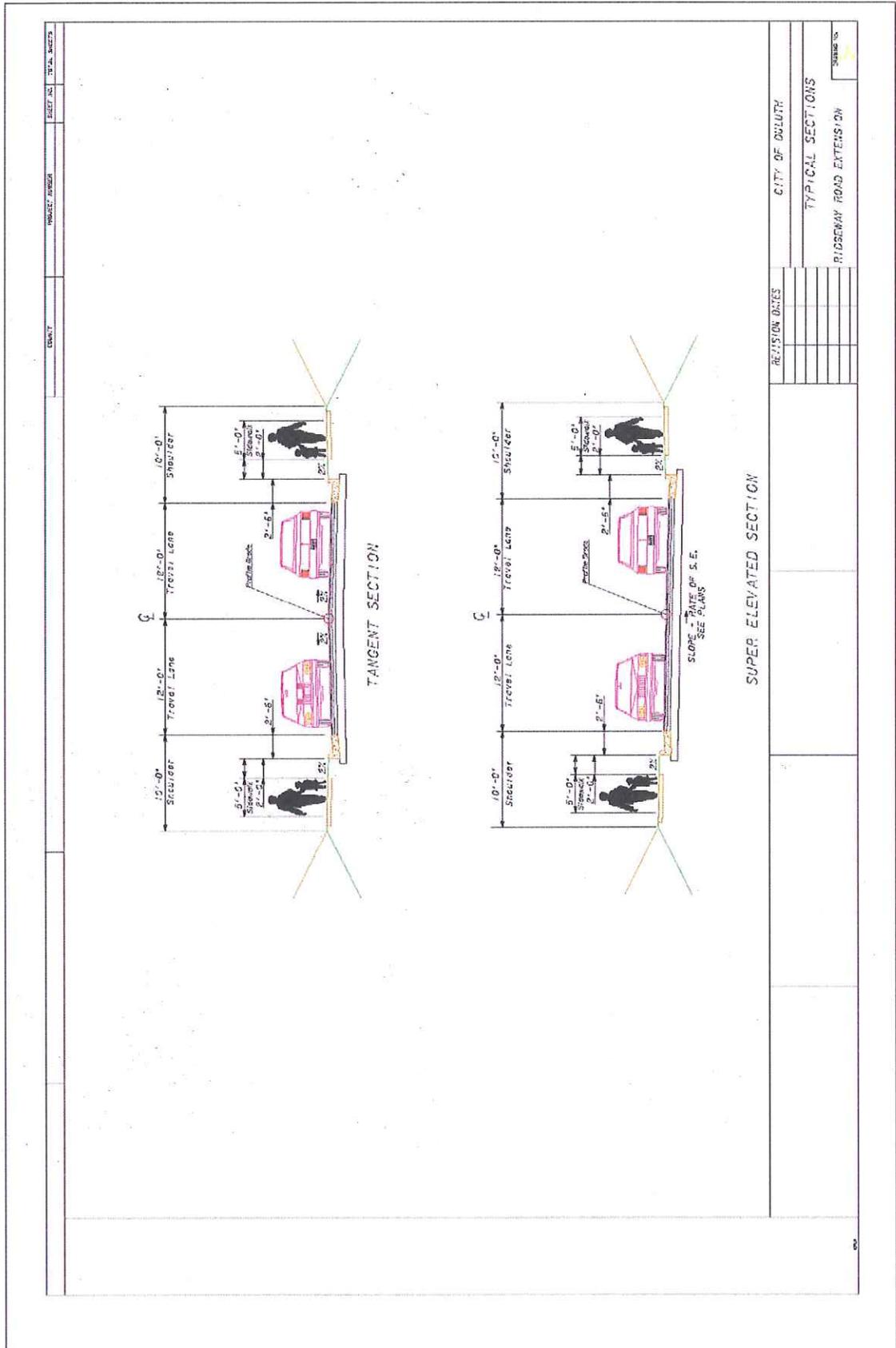
( ) PROGRAMMING PROCESS (X) CONCEPT DEVELOPMENT ( ) DURING PROJECT DEV.

PROJECT COST	
A. RIGHT-OF-WAY: Not Include	
1. PROPERTY (LAND & EASEMENT)	\$ 0
2. DISPLACEMENTS; RES:0, BUS:0, M.H.:0	\$ 0
3. OTHER COST (ADM./COST, INFLATION)	\$ 0
SUBTOTAL:A	\$ 0
1. RAILROAD	\$ 0.00
2. TRANSMISSION LINES	\$ 0.00
3. SERVICES	\$ 0.00
SUBTOTAL:B	\$ 0.00
C. CONSTRUCTION:	
1. MAJOR STRUCTURES	\$ 0.00
a. RETAINING WALLS	\$ 0.00
b. BRIDGES	\$ 0.00
c. DETOURS BRIDGES	\$ 0.00
d. BOX CULVERTS	\$ 0.00
SUBTOTAL:C-1	\$ 0.00
2. GRADING AND DRAINAGE:	
a. EARTHWORK	\$ 400,000.00
b. DRAINAGE:	
1) Cross Drain Pipe (exclude box culverts)	\$ 30,000.00
2) Curb and Gutter	\$ 170,000.00

3) Longitudinal System(include catch basins)		\$ 265,000.00
	SUBTOTAL: C-2	\$ 865,000.00
3. BASE AND PAVING:		
a. AGGREGATE BASE		\$155,000.00
b. ASPHALT PAVING: Surface	\$ 68,000.00	
Binder	\$ 89,000.00	
Base	\$ 135,000.00	
	SUBTOTAL: C-3 .b	\$292,000.00
c. CONCRETE PAVING		\$ 0.00
d. OTHER- BITMUN TACK COAT 1,200 Gal		\$ 1,000.00
	SUBTOTAL: C-3	\$ 451,000.00
4. LUMP ITEMS:		
a. TRAFFIC CONTROL		\$ 75,000.00
b. CLEARING AND GRUBBING		\$ 60,000.00
c. LANDSCAPING		\$ 120,000.00
d. EROSION CONTROL		\$ 150,000.00
e. SIDEWALK		\$ 190,000.00
	SUBTOTAL: C-4	\$ 595,000.00
5. MISCELLANEOUS:		
a. LIGHTING		\$ 0.00
b. SIGNING - STRIPING - SIGNAL		\$ 100,000.00
c. GUARDRAIL		\$ 41,000.00
d. BRIDGE REMOVAL		\$ 0.00
	SUBTOTAL: C-5	\$141,000.00
6. SPECIAL FEATURES _____	SUBTOTAL: C-6	\$ 0.00

<b>ESTIMATE SUMMARY</b>		
A. RIGHT-OF-WAY		
B. REIMBURSABLE UTILITIES		
C. CONSTRUCTION		
1. MAJOR STRUCTURES	\$	0
2. GRADING AND DRAINAGE	\$	865,000.00
3. BASE AND PAVING	\$	451,000.00
4. LUMP ITEMS	\$	595,000.00
5. MISCELLANEOUS	\$	141,000.00
6. SPECIAL FEATURES	\$	0
SUBTOTAL CONSTRUCTION COST	\$	2,052,000.00
E. & C. (10%)	\$	205,200.00
INFLATION (5% PER YEAR)	\$	112,860.00
NUMBER OF YEARS	1	
<b>TOTAL CONSTRUCTION COST</b>	<b>\$</b>	<b>2,370,060.00</b>
<b>GRAND TOTAL PROJECT COST</b>		
	<b>\$</b>	<b>2,370,060.00</b>







Project Concept Report page 13  
Project Number: STP-0006-00(276)  
P. I. Number: 0006276  
County: Gwinnett

## **Notice of Location and Design Approval**

**Project Number: STP-0006-00 (276)**  
**Gwinnett County**  
**P.I. # 0006276**

Notice is hereby given in compliance with the Georgia Code 22-2-109 that the Georgia Department of Transportation has approved the Location and Design of the above project.

*Project is located in the City of Duluth, 6<sup>th</sup> District of Gwinnett County, Georgia.*

Date of Location and Design Approval:\_\_\_\_\_.

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.

Drawings or maps or plats of the proposed project as approved are on file and are available for inspection at the City of Duluth (3578 West Lawrenceville Street, Duluth, GA 30096). Or, any interested party may obtain a copy of the drawings or maps or plats by writing to the City of Duluth (3578 West Lawrenceville Street, Duluth, GA 30096) and paying a nominal cost therefore.

Any written request to this notice SHOULD include the PROJECT AND PI NUMBERS AS NOTED AT THE TOP OF THIS NOTICE AND may be referred to:

Ken Suddreth  
Director  
City of Duluth  
3578 West Lawrenceville Street  
Duluth, GA 30096  
(770) 476-1790