**ORIGINAL TO GENERAL FILES**

# DEPARTMENT OF TRANSPORTATION
# STATE OF GEORGIA

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** STP-OOOE (195) Gwinnett County
P.I. No. 171562

**OFFICE** Preconstruction

**DATE** June 22, 2000

**FROM** C. Wayne Hutto, Assistant Director of Preconstruction

**TO** SEE DISTRIBUTION

**SUBJECT** **PROJECT CONCEPT REPORT APPROVAL**

Attached for your file(s) is the approval for subject project.

CWH/cj

Attachment

DISTRIBUTION:

Tom Turner
David Mulling
Harvey Keepler
Jerry Hobbs
Herman Griffin
Georgene Geary (ATTN: Michael Henry)
Marion Waters
Marta Rosen
Larry Dent

D.O.T. 66

# DEPARTMENT OF TRANSPORTATION
# STATE OF GEORGIA

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** STP-OOOE(195) Gwinnett County
P.I. No. 171562

**OFFICE** Preconstruction

**DATE** June 5, 2000

**FROM** Thomas L. Turner, P.E., Director of Preconstruction

**TO** J. Tom Coleman, Jr., Commissioner

**SUBJECT** PROJECT CONCEPT REPORT

This project is the construction of the Western Gwinnett Multi-use Trail along Peachtree Industrial Boulevard (PIB) from Howell Bridge Parkway to Rogers Bridge Road for a total of 2.10 miles. Peachtree Industrial Boulevard is an urban arterial consisting of four lanes, a 20' raised median, 4' paved outside shoulders or curb and gutter. The posted speed is 45 MPH and the projected (2021) traffic volume is 47,000 VPD.

The construction proposes to add a 10' wide multi-use trail along the west side of PIB either behind curb and gutter or 15' from edge of pavement. The trail will provide a recreational facility and access to commercial or industrial facilities for residential communities along this portion of roadway. It is also a leg of a planned trail system to the Chattahoochee River Trail System. Traffic will be maintained during construction.

Environmental concerns include requiring a Categorical Exclusion be prepared; a public hearing is not required; time saving procedures are appropriate.

The estimated costs for this project are:

| | PROPOSED | APPROVED | PROG DATE | LET DATE |
|---|---|---|---|---|
| Construction (includes E&C and inflation) | $2,767,000 | $998,000 | 2000 | Local |
| Right-of-Way & Utilities* | Local | Local | | |

* to be done by contract

STP-OOOE(195) Gwinnett
June 5, 2000

This project is in the STIP. I recommend this project concept be approved.

TLT:JDQ/cj

Attachment

CONCUR_____
Frank L. Danchetz, P.E., Chief Engineer

APPROVE_____
J. Tom Coleman, Jr., Commissioner

# DEPA TMENT OF TRANSPORTAT N
# STATE OF GEORGIA

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**INTERDEPARTMENTAL CORRESPONDENCE**

**F LE:** STP-000E(184) Gwinnett, PI#171558
CM-00SW(29) Gwinnett, PI#171344
STP-000E(195) Gwinnett, PI#171562
STP-0000-00(109) Gwinnett, PI#0000109

**OFFICE:** Atlanta, Georgia

**DATE:** May 31, 2000

RECEIVED
JUN - 1 2000

**FROM:** David Mulling, Project Review Engineer

**TO:** Wayne Hutto, Assistant Director of Pre-construction

**SUBJECT:** **CONCEPT REPORT**

We have reviewed the concept reports submitted May 19, 2000 by the letter from Todd Long dated May 16, 2000, and have the following comment:

1. The concept reports incorrectly classify the projects as "CA". The projects should be "Exempt". The "CA" and "Non-Ca" designations were deleted by the current FHWA and GDOT Oversight Agreement – Topps Directive 2410.
2. The estimated costs of reimbursable utilities were not provided.
3. Seventy four percent of the construction cost of Unit (195) is for retaining walls to keep construction within existing right of way.

The costs for the projects are:

| | (184) | (29) | (195) | (109) |
|---|---|---|---|---|
| Construction | $758,000 | $607,000 | $2,287,000 | $77,000 |
| Inflation | $ 76,000 | $ 61,000 | $ 229,000 | $ 8,000 |
| E&C | $ 83,000 | $ 67.000 | $ 251,000 | $ 9,000 |
| Reimbursable Utilities | $ ? | $ ? | $ ? | $ ? |
| Right of Way | $ 0 | $ 0 | $ 0 | $ 0 |

DTM

c: Todd Long

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

# PROJECT CONCEPT REPORT

## Western Gwinnett Multi-Use Trail Along Peachtree Industrial Boulevard From Howell Bridge Parkway to Rogers Bridge Road

**GDOT Project Number: STP-000E(195)**
**P.I. No. 171562**
**Gwinnett County Project Number: 7876**

**FEDERAL ROUTE NO: N/A**
**STATE ROUTE NO: N/A**

**Date of Report: May 9, 2000**

## RECOMMENDATION FOR APPROVAL

5-15-00 — Alan R. Chapman
DATE — Gwinnett County Department of Transportation

This project concept is contained in the Regional Transportation Improvement Program (RTIP) 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 RTIP and/or the STIP.

DATE — State Transportation Planning Administrator

DATE — State Transportation Programming Engineer

DATE — State Environmental/Location Engineer

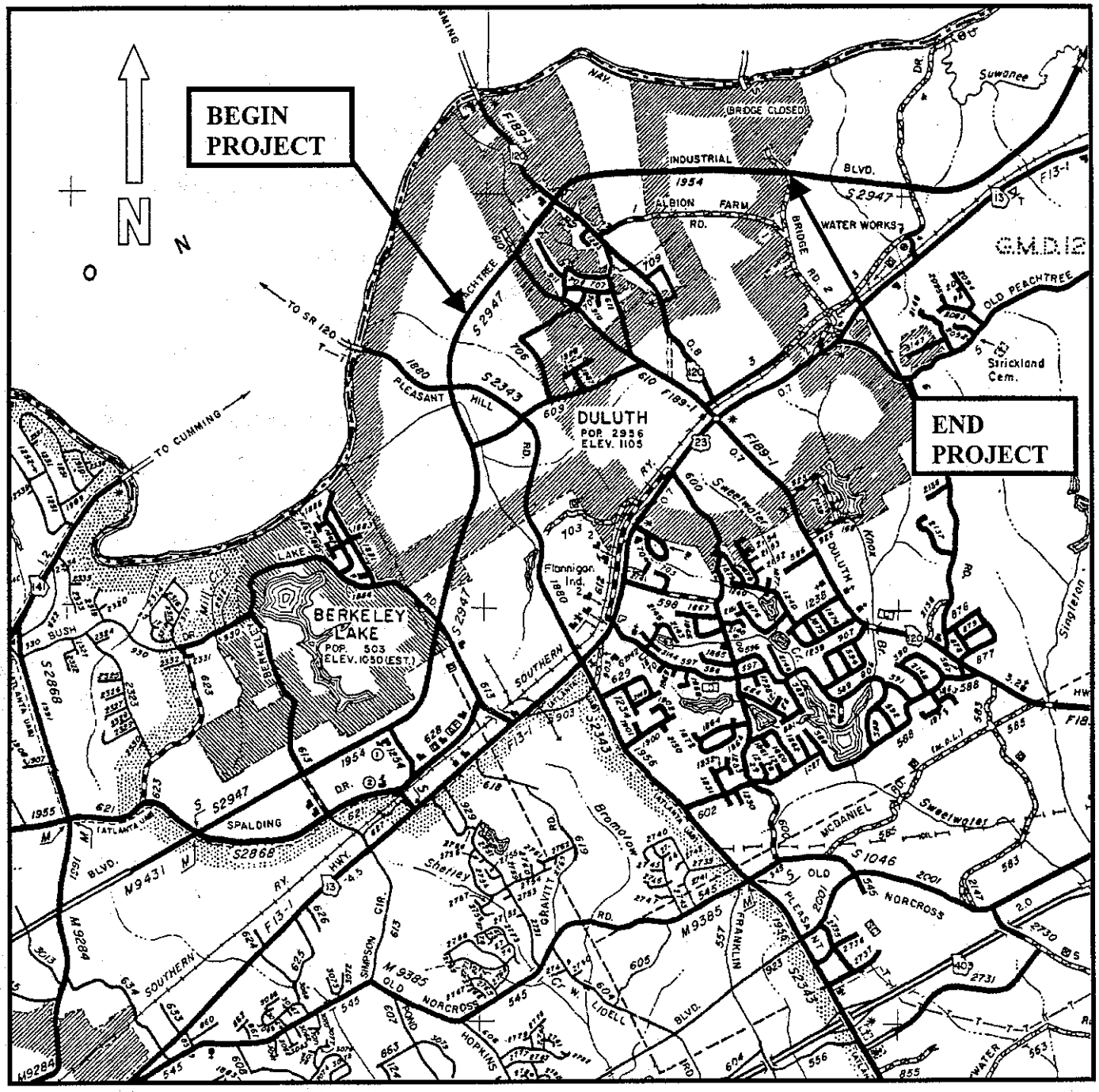
5-16-00 — Larry E. Pardue
DATE — District Engineer

DATE — Project Review Engineer

DATE — State Traffic Operations Engineer

DATE — State Bridge & Structural Engineer

**PROJECT MAP - Project No. : STP-000E(195), Gwinnett County**



**PROJECT NUMBER:** STP-000E(195)

## PROJECT LOCATION & DESCRIPTION

The proposed project would begin at the intersection of Howell Bridge Parkway and Peachtree Industrial Boulevard. The proposed ten foot (10') wide multi-use trail would continue north along the west side of Peachtree Industrial Boulevard to the project terminus at Rogers Bridge Road.

PROJECT LENGTH: 2.1 miles

MILE POINT REFERENCE: N/A

## TRAFFIC
**Peachtree Industrial Boulevard**

| CURRENT | | PROJECTED | |
|---|---|---|---|
| **YEAR** | **AADT** | **YEAR** | **AADT** |
| 2001 | 36,000 | 2021 | 47,000 |

| PDP CLASSIFICATION | FUNCTIONAL CLASSIFICATION |
|---|---|
| MINOR /EXISTING | URBAN ARTERIAL |

| | | |
|---|---|---|
| ~~CA(X)~~ FOS ( ) ~~NON-CA(X)~~ | **EXEMPT** (X) | **SF** ( ) |

## PROJECT NEED & PURPOSE

Gwinnett County has identified the need to construct a multi-use pedestrian/bike trail primarily along the western side of Peachtree Industrial Boulevard, from Howell Bridge Parkway northerly to the intersection of Peachtree Industrial Boulevard and Rogers Bridge Road. The purpose of constructing the multi-use trail would be to provide a recreational path for the high-density residential communities along this portion of Peachtree Industrial Boulevard. The trail would also provide pedestrian and bicycle access to several commercial/industrial facilities located on Peachtree Industrial Boulevard, possibly reducing vehicular traffic volumes along this section of roadway. The 2.1 miles of trail along Peachtree Industrial Boulevard would become a leg of a planned trail system providing access to the Chattahoochee River Trail System.

| EXISTING ROADWAY<br>Peachtree Industrial Boulevard | | | | |
|---|---|---|---|---|
| TYPICAL SECTION: Four 12' Lanes, 20' Raised Median, 4' Paved Outside Shoulder or Curb and Gutter<br>R/W WIDTH: Varies, 150' to 200' | | | | |
| POSTED SPEED | MAX DEGREE OF CURVE | | MAX GRADE | |
| 45 and 55 mph | N/A | | 4.0% | |
| MAJOR STRUCTURES: | Length | Width | Struct. ID | Suff. Rating |
| N/A | N/A | N/A | N/A | N/A |

| PROPOSED ROADWAY<br>Peachtree Industrial Boulevard | | |
|---|---|---|
| TYPICAL SECTION: Maintain existing roadway section and add a 10' paved multi-use trail on the west side of Peachtree Industrial Boulevard, either behind curb and gutter, or 15' from edge of pavement | | |
| DESIGN SPEED | MAX DEGREE OF CURVE | MAX GRADE |
| 45 and 55 mph | N/A | 4.0% |
| MAJOR STRUCTURES: | Length | Width |
| N/A | | |

| PROPOSED RIGHT OF WAY | | | |
|---|---|---|---|
| R/W WIDTH: (Constructed within existing R/W) | DISPLACEMENTS | | |
| Varies: 150' minimum | RES: 0 | BUS: 0 | M.H.: 0 |
| TYPE OF ACCESS CONTROL: N/A | | | |
| NUMBER OF PARCELS: N/A | | | |

| COORDINATION |
|---|
| CONCEPT TEAM MEETING DATE: N/A |
| CONFORMS TO TIP/STIP: Yes |
| MEETS LOGICAL TERMINI REQUIREMENTS: Yes |
| P.A.R. MEETING: Not required |
| LOCATION INSPECTION DATE: N/A |
| PERMITS REQUIRED (4f,COE,404,etc.): None |
| LEVEL OF PUBLIC INVOLVEMENT: N/A |
| TIME SAVING PROCEDURES APPROPRIATE: Yes |
| LOCAL GOVERNMENT COMMITMENTS: Design, R/W Acquisition, Utilities, Construction |
| OTHER PROJECTS IN THE AREA: STP-000E(184), P.I. No. 171558; CM-00BK(44), P.I. No. 162520; CM00SW(29), P.I. No. 171344; STP-0000-00(109), P.I. No. 0000109; STP-0000-00(106), P.I. No. 0000106 |

| SCHEDULING CONSIDERATIONS | | |
|---|---|---|
| TIME TO COMPLETE ENVIRONMENTAL: | 3 | Months |
| TIME TO COMPLETE PRELIMINARY RD/RW PLANS: | 3 | Months |
| TIME TO COMPLETE 404 PERMIT: | N/A | Months |
| TIME TO COMPLETE FINAL CONSTRUCTION PLANS: | 4 | Months |

## MISCELLANEOUS

TRAFFIC CONTROL DURING CONSTRUCTION: Traffic to be maintained on existing roadways during construction.

LEVEL OF ENVIRONMENTAL ANALYSIS: Categorical Exclusion

DESIGN EXCEPTIONS REQUIRED:

| | YES | NO | UNDETERMINED |
|---|---|---|---|
| SUBST HORIZ ALIGNMENT | ( ) | (X) | ( ) |
| SUBST ROADWAY WIDTH | ( ) | (X) | ( ) |
| SUBST SHOULDER WIDTH | ( ) | (X) | ( ) |
| SUBST VERT GRADES | ( ) | (X) | ( ) |
| SUBST CROSS SLOPES | ( ) | (X) | ( ) |
| SUBST STOPPING SIGHT DIST | ( ) | (X) | ( ) |
| SUBST SUPERELEV RATES | ( ) | (X) | ( ) |
| SUBST HORIZ CLEARANCE | ( ) | (X) | ( ) |
| SUBST SPEED DESIGN | ( ) | (X) | ( ) |
| SUBST VERTICAL CLEARANCE | ( ) | (X) | ( ) |
| SUBST BRIDGE WIDTH | ( ) | (X) | ( ) |
| SUBST BR STRUCT CAPACITY | ( ) | (X) | ( ) |

UNDERGROUND STORAGE TANKS: None

HAZARDOUS SITES: None

## ALTERNATIVES CONSIDERED

1. NO BUILD.

| ESTIMATED COST | | | |
|---|---|---|---|
| CONSTRUCTION: | $2,287,463 | RIGHT-OF-WAY: | N/A |
| E & C (10) : | $228,746 | ACQUIRED BY : | Local |
| INFLATION : | $234,465 | UTILITIES : | To Be Determined |
| | | ADJUSTED BY : | Local |
| TOTAL CONSTRUCTION COST: | | $ 2,750,674 | |

COMMENTS:

ATTACHMENTS:
- Detailed Cost Estimate
- Typical Sections

P. I. NO.: 171562

# PRELIMINARY COST ESTIMATE

PROJECT NUMBER: STP-000E(195) COUNTY: Gwinnett

DATE: May 2000 ESTIMATED LETTING DATE: April 2001

PREPARED BY: J. Criminger PROJECT LENGTH: 2.1 Miles

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

| PROJECT COST | |
|---|---|
| | |
| A. RIGHT-OF-WAY: | |
| 1. PROPERTY (LAND & EASEMENT) | $ - |
| 2. DISPLACEMENTS; RES: 0, BUS: 0, M.H.: 0 | $ - |
| 3. OTHER COST (ADM./COST, INFLATION) | $ - |
| SUBTOTAL: A | $ - |
| | |
| B. REIMBURSABLE UTILITIES: | |
| 1. RAILROAD | $ - |
| 2. TRANSMISSION LINES | $ - |
| 3. SERVICES | $ - |
| SUBTOTAL: B | $ - |
| | |
| C. CONSTRUCTION: | |
| 1. MAJOR STRUCTURES | |
| a. BRIDGES | |
| Grade Separations ( 0 ) | $ - |
| Stream Crossings ( 0 ) | $ - |
| SUBTOTAL: C-1.a | $ - |
| b. OTHER | |
| Walls | $ 1,691,460 |
| Box Culverts | $ - |
| Bridge Culverts ( 0 ) | $ - |
| SUBTOTAL: C-1.b | $ 1,691,460 |
| SUBTOTAL: C-1 | $ 1,691,460 |
| 2. GRADING AND DRAINAGE: | |
| a. EARTHWORK | |
| Unclassified Excavation | $ 64,674 |
| b. DRAINAGE | |
| 1) Cross Drain Pipe | $ 19,650 |
| 2) Curb and Gutter | $ 70,087 |
| 3) Longitudinal System (incl. catch basins) | $ 163,500 |
| SUBTOTAL: C-2.b | $ 253,237 |
| SUBTOTAL: C-2 | $ 317,911 |

P. I. NO.: 171562

**PRELIMINARY COST ESTIMATE**

PROJECT NUMBER: STP-000E(195) COUNTY: Gwinnett

DATE: May 2000 ESTIMATED LETTING DATE: April 2001

PREPARED BY: J. Criminger PROJECT LENGTH: 2.1 Miles

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

| PROJECT COST | | | | |
|---|---|---|---|---|
| | | | | |
| 3. BASE AND PAVING: | | | | |
| a. AGGREGATE BASE | 1,868 | Tons @ $19.46 | $ | 36,360 |
| b. ASPHALT PAVING (Mainline & Cross-Roads): | | | | |
| Drainage - Type D | - | Tons @ $58.06 | $ | - |
| Surface - Superpave | 481 | Tons @ $48.64 | $ | 23,393 |
| Binder - Superpave | 735 | Tons @ $43.92 | $ | 32,275 |
| Base - Superpave | - | Tons @ $39.58 | $ | - |
| SUBTOTAL: C-3.b | | | $ | 55,668 |
| c. CONCRETE PAVING | - | SY @ $38.34 | $ | - |
| d. OTHER (Leveling, Tack Coat, Milling) | | | $ | 276 |
| SUBTOTAL: C-3 | | | $ | 92,303 |
| 4. LUMP ITEMS | | | | |
| a. GRASSING | | | $ | 20,250 |
| b. CLEARING AND GRUBBING | | | $ | 27,375 |
| c. LANDSCAPING | | | $ | - |
| d. EROSION CONTROL | | | $ | 47,525 |
| e. TRAFFIC CONTROL | | | $ | 17,450 |
| SUBTOTAL: C-4 | | | $ | 112,601 |
| 5. MISCELLANEOUS: | | | | |
| a. LIGHTING | | | $ | - |
| b. SIGNING - MARKING - SIGNALIZATION | | | $ | 57,550 |
| c. GUARDRAIL | | | | |
| Single-Faced | | | $ | 3,654 |
| Double-Faced | | | $ | - |
| Anchors | | | $ | 5,434 |
| SUBTOTAL: C-5.c | | | $ | 9,088 |
| d. SIDEWALK | | | $ | - |
| e. MEDIAN / SIDE BARRIER | - | LF @ $32.03 | $ | - |
| f. OTHER | | | $ | 6,550 |
| SUBTOTAL: C-5 | | | $ | 73,188 |
| 6. SPECIAL FEATURES | | | | |
| SUBTOTAL: C-6 | | | $ | - |

P. I. NO.: 171562

## PRELIMINARY COST ESTIMATE

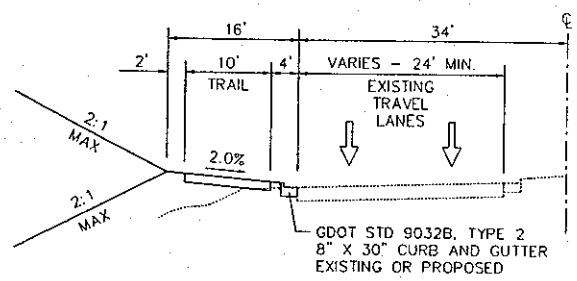
PROJECT NUMBER: STP-000E(195) COUNTY: Gwinnett

DATE: May 2000 ESTIMATED LETTING DATE: April 2001

PREPARED BY: J. Criminger PROJECT LENGTH: 2.1 Miles

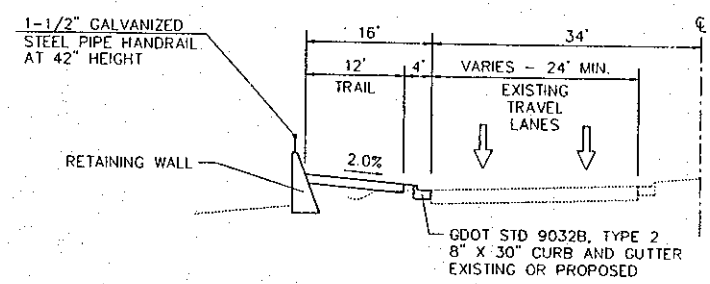
( ) PROGRAMMING PROCESS (X) CONCEPT DEVELOPMENT ( ) DURING PROJECT DEV.

| PROJECT COST | |
|---|---|
| | |
| **SUMMARY** | |
| | |
| A. RIGHT-OF-WAY | $ - |
| B. REIMBURSABLE UTILITIES | $ - |
| C. CONSTRUCTION | |
| 1. MAJOR STRUCTURES | $ 1,691,460 |
| 2. GRADING AND DRAINAGE | $ 317,911 |
| 3. BASE AND PAVING | $ 92,303 |
| 4. LUMP ITEMS | $ 112,601 |
| 5. MISCELLANEOUS | $ 73,188 |
| 6. SPECIAL FEATURES | $ - |
| SUBTOTAL CONSTRUCTION COST | $ 2,287,463 |
| E. & C. (10%) | $ 228,746 |
| INFLATION (5% PER YEAR) | $ 234,465 |
| NUMBER OF YEARS 2 | |
| TOTAL CONSTRUCTION COST | $ 2,750,674 |
| | |
| **GRAND TOTAL PROJECT COST** | $ 2,750,674 |



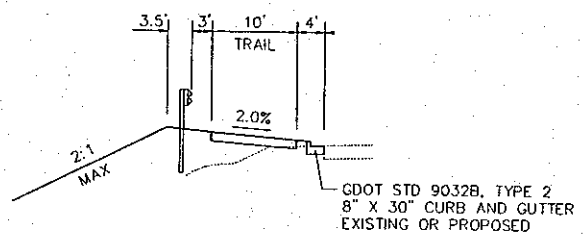

## TYPICAL SECTION NO. 1

CURB AND GUTTER
45 MPH

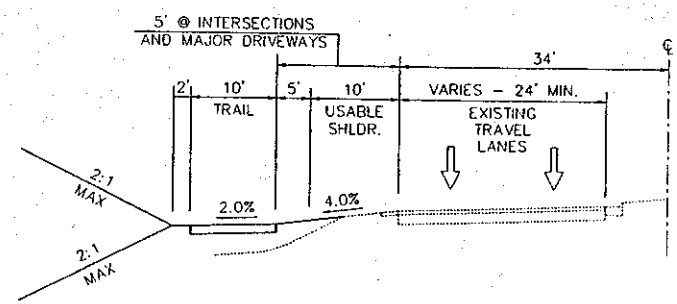



## TYPICAL SECTION NO. 2

CURB AND GUTTER
45 MPH




## GUARDRAIL SECTION




## TYPICAL SECTION NO. 3

Jordan Jones & Goulding

GWINNETT COUNTY
DEPARTMENT OF
TRANSPORTATION

WESTERN GWINNETT TRAILS

TYPICAL SECTIONS

MAY 2000
NO SCALE

# Department of Transportation
# State of Georgia

INTERDEPARTMENTAL CORRESPONDENCE

RECEIVED
MAY 19 2000

File: STP-000E(195)/Gwinnett County
P.I. No. 171562

Office: Traffic Operations
Atlanta, Georgia
Date: May 18, 2000

From: M.G. Waters, III, P.E., State Traffic Operations Engineer

To: Wayne Hutto, Assistant Director of Preconstruction

Subject: Project Concept Report Review

We have reviewed the concept report on the above project for the construction of the "Western Gwinnett" multi-use trail along Peachtree Industrial Boulevard, beginning at Howell Bridge Parkway to Rogers Bridge Road, a distance of 2.1 miles.

Peachtree Industrial Boulevard is an urban arterial with a projected, design year, 2021, traffic volume of 47,000vpd, consisting of four lanes, a 20 foot raised median, 4 foot paved outside shoulders or curb and gutter. It has a posted speed limit of 45 to 55mph.

The proposed 10 foot wide paved multi-use trail will be constructed along the west side of Peachtree Industrial Boulevard, either behind curb and gutter or 15 feet from the edge of pavement. The trail will provide a recreational facility and access to commercial or industrial facilities, for residential communities along this portion of roadway. It is also a leg of a planned system to the Chattahoochee River Trail System. Traffic will be maintained on existing roadways during construction.

We believe this concept will provide an improved and safe facility for the traveling public and the people of Gwinnett County.

We therefore find this report satisfactory for approval.

MGW:TWS

Attachment (signature page)

c: David Studstill
Larry Dent, District Engineer, Gainesville
Attention: Todd I. Long, P.E.
David Mulling, w/ attachment
Marta Rosen
Chuck Hasty, TMC
General Files

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

# PROJECT CONCEPT REPORT

## Western Gwinnett Multi-Use Trail Along Peachtree Industrial Boulevard From Howell Bridge Parkway to Rogers Bridge Road

**GDOT Project Number: STP-000E(195)**
**P.I. No. 171562**
**Gwinnett County Project Number: 7876**

**FEDERAL ROUTE NO: N/A**
**STATE ROUTE NO: N/A**

**Date of Report: May 9, 2000**

## RECOMMENDATION FOR APPROVAL

5-15-00 — Alan R. Chapman
DATE — Gwinnett County Department of Transportation

This project concept is contained in the Regional Transportation Improvement Program (RTIP) 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 RTIP and/or the STIP.

DATE — State Transportation Planning Administrator

DATE — State Transportation Programming Engineer

DATE — State Environmental/Location Engineer

DATE — District Engineer

DATE — Project Review Engineer

5/19/2000 — Marion Hilsterman
DATE — State Traffic Operations Engineer

DATE — State Bridge & Structural Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

# PROJECT CONCEPT REPORT

## Western Gwinnett Multi-Use Trail Along Peachtree Industrial Boulevard From Howell Bridge Parkway to Rogers Bridge Road

**GDOT Project Number: STP-000E(195)**
**P.I. No. 171562**
**Gwinnett County Project Number: 7876**

**FEDERAL ROUTE NO: N/A**
**STATE ROUTE NO: N/A**

**Date of Report: May 9, 2000**

## RECOMMENDATION FOR APPROVAL

5-15-00 — Alan R. Chapman
DATE — Gwinnett County Department of Transportation

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5/23/00 — Merita V. Rose
DATE — State Transportation Planning Administrator

DATE — State Transportation Programming Engineer

DATE — State Environmental/Location Engineer

5-16-00 — Larry E. Nash
DATE — District Engineer

DATE — Project Review Engineer

DATE — State Traffic Operations Engineer

DATE — State Bridge & Structural Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

# PROJECT CONCEPT REPORT

## Western Gwinnett Multi-Use Trail Along Peachtree Industrial Boulevard From Howell Bridge Parkway to Rogers Bridge Road

**GDOT Project Number: STP-000E(195)**
**P.I. No. 171562**
**Gwinnett County Project Number: 7876**

**FEDERAL ROUTE NO: N/A**
**STATE ROUTE NO: N/A**

**Date of Report: May 9, 2000**

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DATE — Gwinnett County Department of Transportation

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| | |
|---|---|
| DATE | State Transportation Planning Administrator |
| DATE | State Transportation Programming Engineer |
| DATE | State Environmental/Location Engineer |
| 5-16-00 DATE | Larry E. Penkoff District Engineer |
| 5/31/00 DATE | [signature] Project Review Engineer |
| DATE | State Traffic Operations Engineer |
| DATE | State Bridge & Structural Engineer |