

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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

**FILE** P.I. #0009311 **OFFICE** Design Policy & Support  
CSMSL-0009-00(311)  
GDOT District 7 - Metro Atlanta  
Rockdale County **DATE** January 12, 2012  
SR 20/SR 138 Common Section Beautification  
Initiative - Phase 2

**FROM**  for 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:

Genetha Rice-Singleton, Program Control Administrator  
Bobby Hilliard, State Program Delivery Engineer  
Cindy VanDyke, State Transportation Planning Administrator  
Angela Robinson, Financial Management Administrator  
Glenn Bowman, State Environmental Administrator  
Kathy Zahul, State Traffic Engineer  
Georgene Geary, State Materials & Research Engineer  
Ron Wishon, State Project Review Engineer  
Jeff Baker, State Utilities Engineer  
Ken Thompson, Statewide Location Bureau Chief  
Michael Henry, Systems & Classification Branch Chief  
Bryant Poole, District Engineer  
Scott Lee, District Preconstruction Engineer  
Jonathan Walker, District Utilities Engineer  
Darrell DeJean, Project Manager  
BOARD MEMBER - 4th Congressional District

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

Project Number: CSMSL000900311

County: Rockdale

P. I. Number: 0009311

Federal Route Number: N/A

State Route Number: 20/ 138

**Project Description:**

SR 20/ SR138 Common Section Beautification Initiative- Phase 2

**Submitted for approval:**

Date 9-6-11

Date 9-7-11

Date 10/19/2011

Date 10/19/11

Charles A. Kelly AMEC E&I  
Design Consultant Name and Firm Name

Rockdale  
Local Government

Bobby Hill  
District Engineer / Office Head

[Signature]  
Project Manager

**Recommendation for approval:**

Date \_\_\_\_\_

Date 11/15/2011

Date 11/15/2011

Date 11/14/2011

Date 11/17/2011

Date \_\_\_\_\_

Program Control Administrator

\* Glenn Bowman MUSA  
State Environmental Administrator

\* Kathy Zahul MUSA  
State Traffic Engineer

\* Ron Wishon MUSA  
Project Review Engineer

\* Sal Pirzad MUSA  
for State Utilities Engineer

State Transportation Financial Management Administrator

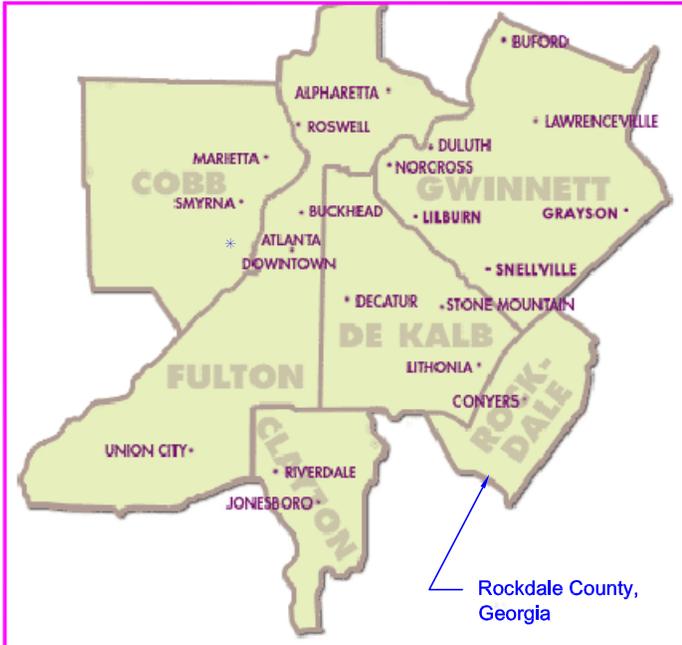
\* Recommendation on file

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).

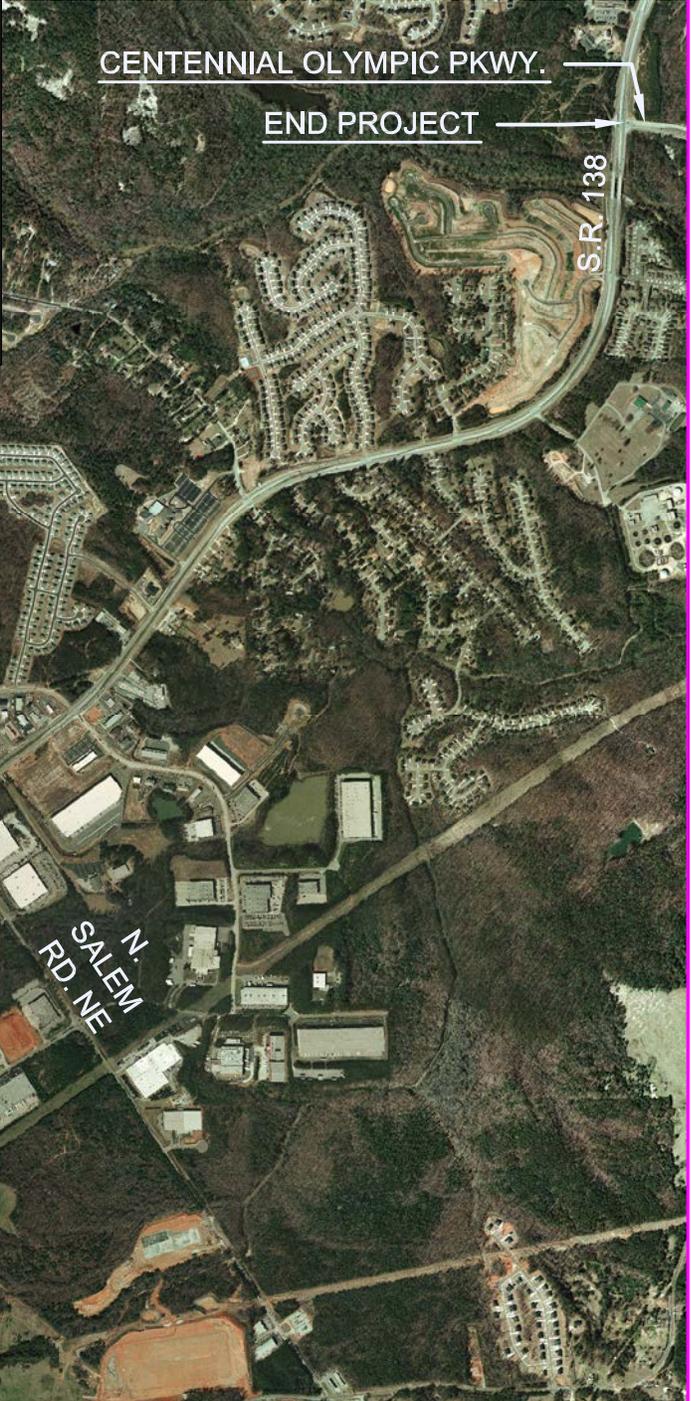
Date 11-17-11

Anthony L. Vande  
State Transportation Planning Administrator

The project description in the RTP/TIP may be modified to reflect the limits in the concept report following consultation with the MPO



SCALE IN FEET



ROCKDALE COUNTY, GA

**MACTEC**  
 MACTEC Engineering and Consulting, Inc.  
 3200 TOWN POINT DRIVE, SUITE 100  
 KENNESAW, GEORGIA 30144 (770) 421-3400

PROJECT LOCATION MAP

JOB NO. 6149110085      FIGURE 1

**Need and Purpose:** The SR 20/138 corridor is the commercial hub of Rockdale County and the City of Conyers. It is considered a major gateway into the community. This corridor generally suffers from an abundance of aging retail buildings coupled with outdated development standards and minimal streetscape requirements. Inadequate integration of land use planning and transportation in the 1970's and 1980's, have also contributed to the corridor's appearance today. Collectively, these characteristics have contributed to the corridor's overall aesthetic decline and visual blight. The movement of new commercial development into greenfield sites has also indirectly contributed to the problem of visual blight by diverting new opportunities for redevelopment in the corridor to other locations.

The purpose of this project is to provide continued beautification improvements which should incentivize and encourage future public/ private partnerships for redevelopment and investment along the corridor. This project is a continuation of the Phase One beautification initiatives recently completed at the I-20 and SR 20/138 interchange and along the southern section of the SR 20/ 138 corridor.

Rockdale County, in partnership with the Georgia Department of Transportation (GDOT), proposes to improve the project corridor through the addition of trees and shrub groupings in key areas along the corridor.

**Description of the proposed project:** The project is a continuation of the SR 20/ SR138 and I-20 interchange beautification initiated in 2006. The project provides beautification improvements for the SR 20/138 corridor from the I-20 interchange north to Centennial Olympic Parkway, a distance of approximately 3.54 miles with Beginning Mile Point,9.38, and Ending Mile Point,12.92. The project's southern terminus will be approximately Dogwood Drive located near the northern edge of the I-20 interchange. The project's northern terminus will be Centennial Olympic Parkway. These limits were chosen as logical beginning and ending points relative to the ending point of the Phase 1 Beautification Initiative near I-20 and the near Olympic Horse Park in the north central portion of the County.

Work under this project will include the addition of new trees and shrubs within the existing Right of Way. Trees may be planted individually, in small groupings, or in combination with shrubs. All new landscaping will be compatible with the surrounding area, with the landscaping installed in the Phase 1 Beautification, and as approved by authorities with Rockdale County and GDOT. No additions, removals or modifications to utilities, sidewalks, ramps, roadway intersections, lighting, or signage is proposed.

Work under this proposal will satisfy the need and purpose by continuing the beautification efforts of Phase 1 to improve the aesthetics of the corridor from I-20 northward. This project also demonstrates the County's commitment to the community and its willingness to invest in projects that will have a positive influence on the redevelopment of the corridor.

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

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

Although Rockdale County is within the metro Atlanta Non-attainment area, the proposed project improvements would not add any additional capacity or roadway laneage.

**PDP Classification:**    Major \_\_\_\_\_                      Minor (X) \_\_\_\_\_

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

**Functional Classification: Urban Minor Arterial Street**

**U. S. Route Number(s):** N/A **State Route Number(s):** 20/138

**Traffic (AADT):**

Current Year: (2010-Projected) 29,556 Design Year: (2011-Projected) 29,720  
GDOT STARS AADT database last updated in 2009. 2009 AADT was 29,460. STARS AADT data from years 2005-2009 was used to project AADT counts for 2010 and 2011.

**Existing design features:**

- Typical Section: 6 lane road with turn lane and a median. At intersections the median transitions to center turn lanes. Lanes are approximately 12ft wide. Sidewalks are 4ft wide. Concrete curb and gutter exist.
- Posted speed 45 mph Minimum radius for curve: N/A
- Maximum super-elevation rate for curve: N/A
- Maximum grade: 3 %
- Width of right-of-way: Varies, 110-160ft.
  - Major structures: SR 138 eastbound @Yellow River. Structural ID# 247-0011-0. L=235ft W=39.80ft , Rating = 87.38;
  - Major structures: SR 138 westbound @Yellow River. Structural ID# 247-5020-0. L=235ft W=41.30 , Rating = 87.38;
- Major interchanges or intersections along the project: SR 20/138@Dogwood Drive; SR 20/138@ Old Covington Road; SR 20/138@South Main Street; SR 20/138@Sigman Road; SR138@Eastview Parkway; SR138@Centennial Olympic Parkway.
- Existing length of roadway segment and the beginning mile logs for each county segment. 3.54 miles (18,691 ft.) Begin Mile Point is 9.38. End Mile Point is 12.92.

**Proposed Design Features:**

- Proposed typical section(s): No proposed roadwork. Proposed trees and shrubs will be placed within the existing R.O.W. boundary.
- Proposed Design Speed Mainline: N/A
- Proposed Maximum grade Mainline: N/A Maximum grade allowable: N/A
- Proposed Maximum grade Side Street: N/A
- Maximum grade allowable: N/A Proposed Maximum grade driveway: N/A
- Proposed Maximum degree of curve: N/A Maximum degree allowable: N/A
- Right-of-Way
  - Width No Change
  - Easements: Temporary ( ), Permanent ( X ), Utility ( ), Other ( ).
  - Type of access control: Full ( ), Partial ( ), By Permit ( X ), Other ( ).
  - Number of parcels: 0 Number of displacements: 0
    - Business: None
    - Residences: None
    - Mobile homes: None
    - Other: None

- Structures:
  - Bridges - None
  - Retaining walls- None
- Major intersections, interchanges, median openings and signal/intersection control locations. SR 20/138@Dogwood Drive; SR 20/138@ Old Covington Road; SR 20/138@South Main Street; SR 20/138@Sigman Road; SR138@Eastview Parkway; SR138@Centennial Olympic Parkway.
- Transportation Management Plan Anticipated: Yes ( ) No (X)
- Traffic Control During Construction: Maintain all travel lanes during construction except for short term lane closures.
- Design Exceptions to controlling criteria anticipated:

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

- Design Variances- Design Variances may be required for lateral offset to obstruction (trees and shrubs) for the median and outside shoulder sections. Trees and shrubs in the depressed median with a 6:1 or flatter slope shall be located outside the 18' clear zone and on the outside shoulders should be located outside the 14' clear zone (for 45 mph design speed), but are currently provided with minimum 8' setback from edge of pavement.
- Environmental concerns: No environmental concerns are anticipated. No streams or wetlands will be impacted.
- 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: None Anticipated
- VE Study Anticipated Yes( ) No( X )
- Benefit/ Cost Ratio N/A\_\_\_\_\_

**Project Cost Estimate and Funding Responsibilities:**

	PE	ROW	UTILITY	CST	MITIGATION
By Whom	Federal Funds up to \$60k	N/A	N/A	Federal Funds up to \$366,862.71; Rockdale County above	N/A
\$ Amount	\$57,108			\$384,904.72	

\*CST Cost includes: Construction.

**Project Activities Responsibilities:**

- o Design: Rockdale County Consultant: MACTEC
- o Right-of-Way Acquisition: N/A
- o Right-of-Way Funding (real property): N/A
- o Relocation of Utilities: Rockdale County
- o Letting to contract: Rockdale County
- o Supervision of construction: Rockdale County
- o Providing material pits: N/A
- o Providing detours; N/A
- o Environmental Studies/ Documents/ Permits: MACTEC/ Rockdale County
- o Environmental Mitigation: N/A

**Coordination**

- Initial Concept Meeting date and brief summary. Attach minutes- None to date.
- Concept meeting date and brief summary. Attach minutes- None to date.
- P A R meetings, dates and results- N/A
- FEMA, USCG, and/or TVA- N/A
- Public involvement- At least one PIOH will be held for review of the project. Notices will be sent to local business owners who will be affected by the proposed placement of landscaping.
- Local government comments. None to date.
- Other projects in the area:
  1. SR 20/SIGMAN ROAD @ EASTVIEW ROAD (LCI PROJECT)- PI No. 0004487
  2. SR 20/SR 138 COMMON SECTION BEAUTIFICATION INITIATIVE- PI No. 0006257
  3. SIGMAN ROAD PARK & RIDE EXPANSION(GRTA)- PI No. 0008715
  4. CR 164/OLD COVINGTON HWY FM GREEN STREET TO SR 20/138 (GRTA) PI No. 0752270
  5. SR 138 FM DENNARD RD TO MILLER BOTTOM RD. PI No. 0731080
  6. SR 20/CR 435/SIGMAN RD FM CR 442/IRWIN BRIDGE RD TO SR 138 PI No. 0752200
  7. SIGMAN RD FM OLD COVINGTON NORTH TO SR 20/138 (EAST LEG) PI No. 0752210
- Railroads: N/A
- Peer review Coordination: N/A
- Other coordination to date: A maintenance agreement will be needed between Rockdale County and GDOT.

**Scheduling – Responsible Parties’ Estimate**

- Time to complete the environmental process: 8 Months. Begin: 08/ 2011 End: 04/ 2012
- Time to complete preliminary construction plans: 3 Months. Begin: 05/ 2012 End: 08/ 2012
- Time to complete right-of-way plans: N/A.
- Time to complete the Section 404 Permit: N/A
- Time to complete final construction plans: 3 months. Begin: 09/ 2012 End: 12/ 2012
- Time to complete to purchase right-of-way: N/A.
- List other major items that will affect the project schedule: None at this time.

**Other alternates considered:** No Build.

Project Concept Report page 7  
Project Number: CSMSL000900311  
P. I. Number: 0009311  
County: Rockdale

**Comments:** *N/A*

**Attachments:**

1. Cost Estimate
2. Typical sections

**Exempt Projects:**

Concur: *Allen R. McManis*  
Director of Engineering

Approve: *Debra M. Row*  
Chief Engineer

Date: *1-11-12*

STATE HIGHWAY AGENCY

DATE: 9/6/2011  
PAGE: 1

JOB ESTIMATE REPORT

JOB NUMBER: 0009311      SPEC YEAR: 01  
DESCRIPTION: SR 20/138 COMMON SECTION BEAUTIFICATION INITIATIVE PHASE 2 - CSMSL000900311

ITEMS FOR JOB 0009311

LINE	ITEM	ALT	UNITS	DESCRIPTION	QUANTITY	RPRICE	AMOUNT
TRAFFIC CONTROL SECTION							
0005	150-1000		LS	TRAFFIC CONTROL - CSMSL000900311	1.000	20000.00	20000.00
GRADING AND ROADWAY SECTION							
0065	210-0100		LS	GRADING COMPLETE - CSMSL000900311	1.000	12500.00	12500.00
EROSION CONTROL SECTION							
0015	163-0240		TN	MULCH	25.000	210.70	5267.50
LANDSCAPING SECTION							
0020	700-6910		AC	PERMANENT GRASSING	3.000	598.32	1794.96
0025	700-7000		TN	AGRICULTURAL LIME	2.000	87.87	175.74
0030	700-7010		GL	LIQUID LIME	200.000	16.30	3260.00
0035	700-8000		TN	FERTILIZER MIXED GRADE	1.500	409.68	614.52
0040	700-9300		SY	SOD	1000.000	3.88	3880.00
0045	702-0004		EA	MEDIUM TREES - TYP.	372.000	550.00	204600.00
0050	702-0100		EA	MED OR LARGE SHRUBS - TYP.	1860.000	50.00	93000.00
0055	702-9020		SY	MULCH	930.000	2.00	1860.00
0060	708-1000		CY	PLANT TOPSOIL	800.000	47.44	37952.00

ITEM TOTAL:  
INFLATED ITEM TOTAL:

384904.72  
384904.72

TOTALS FOR JOB 0009311

ESTIMATED COST:  
CONTINGENCY PERCENT (0.0):  
ESTIMATED TOTAL:

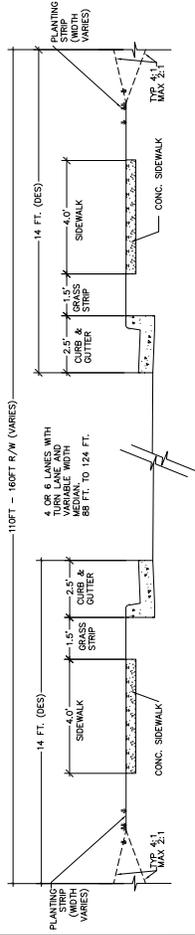
384904.72  
0.00  
384904.72

PREPARED BY:   
CHECKED BY: 

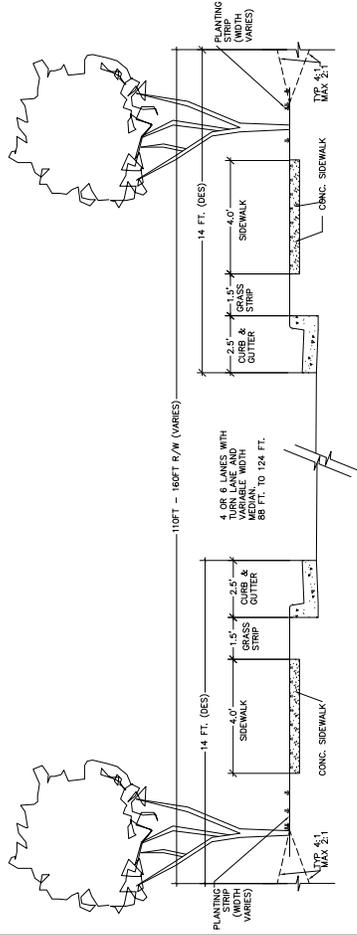


**NOTES:**

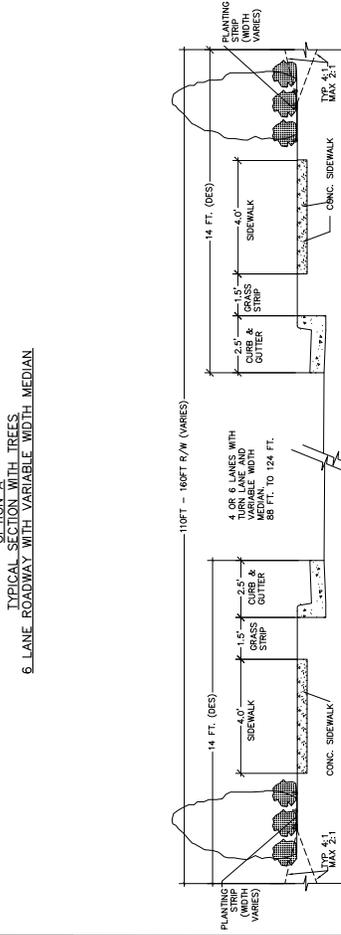
1. OPTIONS A, B AND C ARE PRESENTED DUE TO THE DIFFERENT SCENARIOS OF LAND USE AND AVAILABLE SPACE ENCOUNTERED ALONG S.R. 20/138 THAT WILL INFLUENCE THE QUANTITY OF MATERIALS THAT MAY BE INSTALLED.
2. TREES ALONG THE OUTER EDGE OF THE ROW ARE EXPECTED TO BE GREATER THAN 4" IN DIAMETER AT MATURITY.



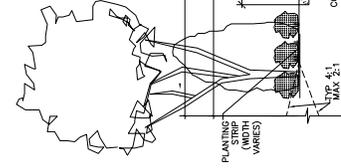
TYPICAL SECTION  
6 LANE ROADWAY WITH VARIABLE WIDTH MEDIAN  
EXISTING CONDITIONS



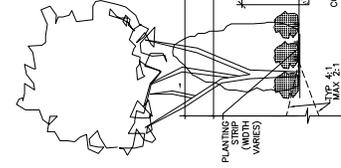
OPTION A  
TYPICAL SECTION WITH TREES  
6 LANE ROADWAY WITH VARIABLE WIDTH MEDIAN



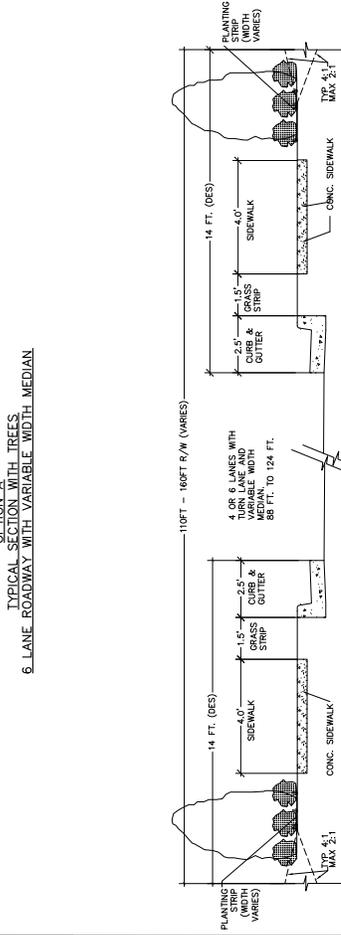
OPTION B  
TYPICAL SECTION WITH SHRUBS  
6 LANE ROADWAY WITH VARIABLE WIDTH MEDIAN



OPTION A  
TYPICAL SECTION WITH TREES  
6 LANE ROADWAY WITH VARIABLE WIDTH MEDIAN



OPTION B  
TYPICAL SECTION WITH SHRUBS AND TREE MIX  
6 LANE ROADWAY WITH VARIABLE WIDTH MEDIAN



OPTION C  
TYPICAL SECTION WITH SHRUB AND TREE MIX  
6 LANE ROADWAY WITH VARIABLE WIDTH MEDIAN

REVISED BY	DATE	DESCRIPTION	REVISED BY	DATE	DESCRIPTION
D.E. HARDEGREE					
D.A. HARDEGREE					
CHECKED					
C.A. PHILLIPS					
E.C. CRYSTON					
DATE	05/24/2011				
<p>SR20/138 Beautification Improvements Phase 2 ROCKDALE COUNTY, GEORGIA</p> <p>PROJECT NO. #CS2P-009-00(91), ROCKDALE, FL. NO. 00931</p> <p>CONTRACT 6149110085</p> <p>SCALE AS SHOWN</p> <p>FIGURE 2</p> <p>TYPICAL SECTIONS</p>					



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