

**CHARLESTON COUNTY
TRANSPORTATION SALES TAX PROGRAM**

ALLOCATION PROJECTS

**OBJECTIVE EVALUATION
AND
PRIORITIZATION PROCESS**

April 7, 2009

LOCAL PAVING PROJECTS

Charleston County Transportation Sales Tax Program

Objective Ranking System for Local Paving Projects

Project Name: _____

Project Location: _____

Project District: _____

Rank Completion Date: _____

Estimated Project Cost: _____

A. Project Benefits

	Value	x	Weight	=	Points
Number of Homes Served By Project		x	40	=	

- More than 20 (Value = 5)
- 15 to 19 (Value = 4)
- 10 to 14 (Value = 3)
- 5 to 9 (Value = 2)
- Less than 5 (Value = 1)
- None (Value = 0)

	Value	x	Weight	=	Points
Average Daily Traffic (VPD)		x	40	=	

- 200 or more (Value = 5)
- 150 to 199 (Value = 4)
- 100 to 149 (Value = 3)
- 50 to 99 (Value = 2)
- 10 to 49 (Value = 1)
- Less than 10 (Value = 0)

	Value	x	Weight	=	Points
System Solution		x	25	=	

- Will provide relief to a congested roadway/intersection (Value = 2)
- Will tie to an arterial (Value = 2)
- Will tie to a local paved road (Value = 1)
- Cul-de-sac will tie to a local unpaved road (Value = 0)

	Value	x	Weight	=	Points
Technical Difficulty (See Note 1)		x	30	=	

- None (Value = 5)
- Easy (Value = 4)
- Average (Value = 3)
- Difficult (Value = 2)
- Very Difficult (Value = 1)

	Value	x	Weight	=	Points
Support for Project		x	35	=	

- Significant citizen and municipal support (Value = 5)
- Moderate citizen and municipal support (Value = 4)
- Some citizen support (Value = 2)
- None (Value = 0)

NOTE:
 Multiply Values by 2 for requests older than 10 years.
 Multiply Values by 1.5 for requests between 5 and 10 years old.

	Value	x	Weight	=	Points
School Bus Route		x	30	=	

- Yes (Value = 5)
- No (Value = 0)

Total Points: =

Note 1 - Technical Difficulty:

Technical Difficulty consists of an assessment of the issues to be overcome during the design and construction of the project. These items include, but are not limited to, wetlands, grand trees, right of way, drainage and bridges.

B. Cost - Benefit Rating (Cost Divided by Total Points)

	<u>Project Cost</u>	/	<u>Total Points</u>	=	<u>Project Rating</u>
		/		=	

DRAINAGE IMPROVEMENT PROJECTS

Drainage Improvements (Closed System)

Drainage Improvements (Open System)

Watershed Master Plans

Charleston County Transportation Sales Tax Program

Priority Ranking System for Drainage Improvements (Closed System)

Project Name: _____

Project Location: _____

Project District: _____

Rank Completion Date: _____

Estimated Project Cost: _____

A. Structural Flooding

Number of Structures Inundated

- More than 25 structures (Value = 25)
- 16 to 25 structures (Value = 20)
- 11 to 15 structures (Value = 15)
- 6 to 10 structures (Value = 10)
- 1 to 5 structures (Value = 5)

Value	x	Multiplier	=	Points
<input style="width: 50px; height: 20px;" type="text"/>	x	<input style="width: 50px; height: 20px;" type="text"/>	=	<input style="width: 50px; height: 20px;" type="text"/>

Structural Flood Frequency Multiplier

- Multiple times per year (Multiplier = 5)
- Once every 1 or 2 years (Multiplier = 4)
- Once every 2 to 5 years (Multiplier = 3)
- Once every 5 to 10 years (Multiplier = 2)
- Once every 10 or more years (Multiplier = 1)

B. Non-Structural Flooding

Type of facility

- Arterial or greater (public) - (Value = 25)
- Collector (public) - (Value = 20)
- Local (public) - (Value = 15)
- Private yard or right of way (Value = 10)
- Private access (Value = 5)

Value	x	Multiplier	=	Points
<input style="width: 50px; height: 20px;" type="text"/>	x	<input style="width: 50px; height: 20px;" type="text"/>	=	<input style="width: 50px; height: 20px;" type="text"/>

Non-Structural Flood Frequency Multiplier

- Multiple times per year (Multiplier = 5)
- Once every 1 or 2 years (Multiplier = 4)
- Once every 2 to 5 years (Multiplier = 3)
- Once every 5 to 10 years (Multiplier = 2)
- Once every 10 or more years (Multiplier = 1)

C. Existing Infrastructure

Condition and Maintenance

- Poor Condition, High Maintenance (Value = 75)
- Fair Condition, Average Maintenance (Value = 25)
- Good Condition, Low Maintenance (Value = 0)

Value	x	Multiplier	=	Points
<input style="width: 50px; height: 20px;" type="text"/>	x	<input style="width: 50px; height: 20px; text-align: center; value: 1;" type="text"/>	=	<input style="width: 50px; height: 20px;" type="text"/>

Prioritization Ranking Summary (Add total points for A through C)

D. Adjustment Factors:

- Up to 150 points can be added for health and safety issues, critical locations, community development and/or additional considerations. (Points = <150)
- Subtract up to 150 points for downstream impacts, legal issues and/or additional considerations (Points = <150)

+

-

Total Points for Project:

E. Cost - Benefit Rating (Cost Divided by Total Points)

Cost	/	Total Points	=	Rating
<input style="width: 50px; height: 20px;" type="text"/>	/	<input style="width: 50px; height: 20px;" type="text"/>	=	<input style="width: 50px; height: 20px;" type="text"/>

Charleston County Transportation Sales Tax Program

Priority Ranking System for Drainage Improvements

(Open System)

Project Name: _____

Project Location: _____

Project District: _____

Rank Completion Date: _____

Estimated Project Cost: _____

A. Flooding Impact

Number of Structures Inundated

- More than 25 structures (Value = 25)
- 16 to 25 structures (Value = 20)
- 11 to 15 structures (Value = 15)
- 6 to 10 structures (Value = 10)
- 1 to 5 structures (Value = 5)

Value	x	Multiplier	=	Points
<input style="width: 50px; height: 20px;" type="text"/>	x	<input style="width: 50px; height: 20px;" type="text"/>	=	<input style="width: 50px; height: 20px;" type="text"/>

Flood Frequency Multiplier

- Multiple times per year (Multiplier = 5)
- Once every 1 or 2 years (Multiplier = 4)
- Once every 2 to 5 years (Multiplier = 3)
- Once every 5 to 10 years (Multiplier = 2)
- Once every 10 or more years (Multiplier = 1)

B. Culverts

Type of facility

- Arterial or greater (public) - (Value = 25)
- Collector (public) - (Value = 20)
- Local (public) - (Value = 15)
- Private yard or right of way (Value = 10)
- Private access (Value = 5)

Value	x	Multiplier	=	Points
<input style="width: 50px; height: 20px;" type="text"/>	x	<input style="width: 50px; height: 20px;" type="text"/>	=	<input style="width: 50px; height: 20px;" type="text"/>

Flood Frequency Multiplier

- Multiple times per year (Multiplier = 5)
- Once every 1 or 2 years (Multiplier = 4)
- Once every 2 to 5 years (Multiplier = 3)
- Once every 5 to 10 years (Multiplier = 2)
- Once every 10 or more years (Multiplier = 1)

C. Open Channels

Condition / Erosion

- Threatening to structure, roadways or other infrastructure (Value = 40)
- Threatening to natural resources or properties (Value = 20)
- Not significant (Value = 0)

Value	x	Multiplier	=	Points
<input style="width: 50px; height: 20px;" type="text"/>	x	<input style="width: 50px; height: 20px;" type="text"/>	=	<input style="width: 50px; height: 20px;" type="text"/>

Deficiency (Capacity) Multiplier

- High (< 50-Year) (Multiplier = 3)
- Low (50-year to 100-year) (Multiplier = 2)
- None (>100-year) (Multiplier = 0)

D. Condition and Maintenance

Condition / Erosion

- Poor Condition, High Maintenance (Value = 75)
- Fair Condition, Average Maintenance (Value = 25)
- Good Condition, Low Maintenance (Value = 0)

Value	x	Multiplier	=	Points
<input style="width: 50px; height: 20px;" type="text"/>	x	<input style="width: 50px; height: 20px; text-align: center; value: 1;" type="text"/>	=	<input style="width: 50px; height: 20px;" type="text"/>

Prioritization Ranking Summary (Add total points for A through D)

Total Points

E. Adjustment Factors:

- Up to 150 points can be added for health and safety issues, critical locations, community development and/or additional considerations. (Points = <150)
- Subtract up to 150 points for downstream impacts, legal issues and/or additional considerations (Points = <150)

+

-

Total Points for Project:

F. Cost - Benefit Rating (Cost Divided by Total Points)

Cost		Total Points	=	Rating
<input style="width: 50px; height: 20px;" type="text"/>	/	<input style="width: 50px; height: 20px;" type="text"/>	=	<input style="width: 50px; height: 20px;" type="text"/>

Charleston County Transportation Sales Tax Program Priority Ranking System for Watershed Master Plan Projects

Project Name: _____

Project Location: _____

Project District: _____

Rank Completion Date: _____

Estimated Project Cost: _____

A. Flooding Impacts

Number of Structures Inundated

Major Structural Flooding Damage (Value = 30)

Structural Flooding Damage (Value = 20)

Non-Structural Flooding (Value = 15)

Conservation/Prevention (Value = 10)

None (Value = 0)

Value	x	Multiplier	=	Points
	x		=	

Structural Flood Frequency Multiplier

Frequent Flooding (Multiplier = 4)

Infrequent Flooding (Multiplier = 2)

None (Multiplier = 0)

B. Stream Stability

Stream Stability Threats

Channel Erosion Threatening to Structures (Value = 50)

Channel Erosion Threatening to Public Infrastructure (Value = 40)

Channel Erosion Threatening to Natural Resources (Value = 35)

Conservation / Prevention (Value = 10)

None (Value = 0)

Value	x	Multiplier	=	Points
	x		=	

Erosion Activity / Systemic Threat

Aggressive Channel Erosion (Multiplier 3)

Non-Aggressive Channel Erosion (Multiplier 2)

None (Multiplier = 0)

C. Water Quality

Stream Stability Threats

Enhance/Preserve Natural Resource Areas (Value = 60)

Regulatory Compliance/Stormwater Permit/NPDES (Value = 60)

Create New Natural Resource Area (Value = 50)

Conservation / Prevention (Value = 30)

Secondary WaterQuality Benefit due
to Flood Control / Stream Stability (Value = 20)

None (Points Value = 0)

Value	x	Multiplier	=	Points
	x		=	

Project Benefit

Broad based water quality benefit (Multiplier = 4)

Localized water quality benefit (Multiplier = 3)

None (Multiplier = 0)

D. Safety Factor

Public Health and Safety

High Risk - Potential loss of life/bodily injury (Value = 100)

Low Risk - Public Nuisance (Value = 50)

No Risk (Value = 0)

Value	x	Multiplier	=	Points
	x	1	=	

Prioritization Ranking Summary (Add total points for A through D)

Total Points =

E. Adjustment Factors:

Up to 150 points can be added for health and safety issues, critical locations,
community development and/or additional considerations. (Points = <150)

+

Subtract up to 150 points for downstream impacts, legal issues and/or
additional considerations (Points = <150)

-

Total Points for Project:

**BIKE / PEDESTRIAN
ENHANCEMENT PROJECTS**

Bicycle Paths / Lanes

Sidewalks

Charleston County Transportation Sales Tax Program

Objective Ranking System for Bicycle Path Enhancement Projects

Project Name: _____

Project Location: _____

Rank Completion Date: _____

Project District: _____

Estimated Project Cost: _____

A. Project Benefits

	Value	x	Weight	=	Points
Type of Project		x	40	=	
Gap Construction (Value = 10)					
New Construction (Value = 5)					
Second sidewalk on opposite side of roadway (Value = 0)					

	Value	x	Weight	=	Points
Safety		x	35	=	
<i>*Defined as the number of accidents in the last five (5) years in the limits of the project.</i>					
More than 10 (Value = 8)					
7 to 10 (Value = 6)			1 to 3 (Value = 2)		
4 to 6 (Value = 4)			None (Value = 0)		

	Value	x	Weight	=	Points
Road type		x	15	=	
Major Road (High volume of traffic) (Value = 8)					
Collector (Moderate volume of traffic) (Value = 4)					
Neighborhood Street (Low volume of traffic) (Value = 2)					

	Value	x	Weight	=	Points
Schools		x	20	=	
School within limits of project (Value = 5)					
No school (Value = 0)					

	Value	x	Weight	=	Points
Public Parks		x	20	=	
Park within limits of project (Value = 5)					
No park (Value = 0)					

	Value	x	Weight	=	Points
Greenbelts		x	10	=	
Existing or proposed Greenbelt in limits of project (Value = 5)					
No Greenbelt (Value = 0)					

	Value	x	Weight	=	Points
Public Comments Supporting the Project		x	20	=	
More than 10 (Value = 8)					
7 to 10 (Value = 6)					
4 to 6 (Value = 4)					
1 to 3 (Value = 2)					
None (Value = 0)					

NOTE: Multiply Values by 2 for requests older than 10 years.
Multiply Values by 1.5 for requests between 5 and 10 years old.

	Value	x	Weight	=	Points
Compatible Land Use		x	20	=	
<i>*Compatible land use consists of residential and commercial, commercial and office and office and residential.</i>					
Very compatible land use (exists throughout the project limits) (Value = 4)					
Minimal throughout compatible land use (Value = 0)					

	Value	x	Weight	=	Points
Presence of Transit		x	20	=	
Transit Route within project limits (Value = 5)					
None (Value = 0)					

Total Points =

B. Cost - Benefit Rating (Cost Divided by Total Points)

Project Cost		Total Points		Project Rating
	/		=	

Charleston County Transportation Sales Tax Program Objective Ranking System for Sidewalk Enhancement Projects

Project Name: _____

Project Location: _____

Rank Completion Date: _____

Project District: _____

Estimated Project Cost: _____

A. Project Benefits

	Value	x	Weight	=	Points
Type of Project		x	40	=	
Gap Construction (Value = 10)					
New Construction (Value = 5)					
Second sidewalk on opposite side of roadway (Value = 0)					

	Value	x	Weight	=	Points
Safety		x	35	=	
<i>*Defined as the number of accidents in the last five (5) years in the limits of the project.</i>					
More than 10 (Value = 8)					
7 to 10 (Value = 6)			1 to 3 (Value = 2)		
4 to 6 (Value = 4)			None (Value = 0)		

	Value	x	Weight	=	Points
Road type		x	15	=	
Major Road (High volume of traffic) (Value = 8)					
Collector (Moderate volume of traffic) (Value = 4)					
Neighborhood Street (Low volume of traffic) (Value = 2)					

	Value	x	Weight	=	Points
Schools		x	20	=	
School within limits of project (Value = 5)					
No school (Value = 0)					

	Value	x	Weight	=	Points
Public Parks		x	20	=	
Park within limits of project (Value = 5)					
No park (Value = 0)					

	Value	x	Weight	=	Points
Greenbelts		x	10	=	
Existing or proposed Greenbelt in limits of project (Value = 5)					
No Greenbelt (Value = 0)					

	Value	x	Weight	=	Points
Public Comments Supporting the Project		x	20	=	
More than 10 (Value = 8)					
7 to 10 (Value = 6)					
4 to 6 (Value = 4)					
1 to 3 (Value = 2)					
None (Value = 0)					

NOTE: Multiply Values by 2 for requests older than 10 years.
Multiply Values by 1.5 for requests between 5 and 10 years old.

	Value	x	Weight	=	Points
Compatible Land Use		x	20	=	
<i>*Compatible land use consists of residential and commercial, commercial and office and office and residential.</i>					
Very compatible land use (exists throughout the project limits) (Value = 4)					
Minimal throughout compatible land use (Value = 0)					

	Value	x	Weight	=	Points
Presence of Transit		x	20	=	
Transit Route within project limits (Value = 5)					
None (Value = 0)					

Total Points =

B. Cost - Benefit Rating (Cost Divided by Total Points)

<u>Project Cost</u>		/		<u>Total Points</u>		=	<u>Project Rating</u>

INTERSECTION IMPROVEMENT PROJECTS

Charleston County Transportation Sales Tax Program

Objective Ranking System for Intersection Improvement Projects

Project Name: _____

Project Location: _____

Project District: _____

Rank Completion Date: _____

Estimated Project Cost: _____

A. Project Benefits

Number of Accidents

*Defined as the number of accidents in the last five (5) years in the limits of the project.

More than 20 (Value = 8)

13 to 19 (Value = 6)

6 to 12 (Value = 4)

1 to 5 (Value = 2)

None (Value = 0)

Value	x	Weight	=	Points
	x	60	=	

Average Daily Traffic (VPD)

2000 or more (Value = 5)

1500 to 1999 (Value = 4)

1000 to 1499 (Value = 3)

500 to 999 (Value = 2)

200 to 499 (Value = 1)

Less than 200 (Value = 0)

Value	x	Weight	=	Points
	x	50	=	

System Solution

Project is intended to improve safety (Value = 5)

Project is intended to improve capacity (LOS) (Value = 4)

Project is intended to improve access (Value = 2)

Other (Value = 0)

Value	x	Weight	=	Points
	x	20	=	

Technical Difficulty (See Note 1)

None (Value = 5)

Easy (Value = 4)

Average (Value = 3)

Difficult (Value = 2)

Very Difficult (Value = 1)

Value	x	Weight	=	Points
	x	30	=	

Support for Project

Significant citizen and municipal support (Value = 5)

Moderate citizen and municipal support (Value = 4)

Some citizen support (Value = 2)

None (Value = 0)

Value	x	Weight	=	Points
	x	40	=	

NOTE:

Multiply Values by 2 for requests older than 10 years.

Multiply Values by 1.5 for requests between 5 and 10 years old.

Total Points =

Note 1 - Technical Difficulty:

Technical Difficulty consists of an assessment of the issues to be overcome during the design and construction of the project. These items include, but are not limited to, wetlands, grand trees, right of way, drainage and bridges.

B. Cost - Benefit Rating (Cost Divided by Total Points)

Project Cost		Total Points		Project Rating
	/		=	