

Document Submission Information

Please give us your name, email and contact number so we may contact you if needed regarding the document you are submitting.

Thank You.

First Name: _____ Last Name: _____

Email Address: _____

Contact Phone Number: _____

ROADWAY PROJECT CRITERIA TEMPLATE

(TO BE COMPLETED BY PROJECT ENGINEER AND TREATED AS CONFIDENTIAL INFORMATION)

For Department Use Only

Prepared by: _____ date: _____

Reviewed by (Project Engineer): _____ date: _____

Reviewed by (Traffic Engineer): _____ date: _____

Reviewed by (Planning): _____ date: _____

Reviewed by (Accounting): _____ date: _____

Reviewed by (Hydrologist): _____ date: _____

Approved by (City Engineer): _____ date: _____

Project Name: _____

Date: _____

Project Type: Relocation Improvement New

Project Description: _____

BUDGET

Has a budget been established? Yes No

Engineering (amount/year) \$ _____

ROW (amount/year) \$ _____

Utilities (amount/year) \$ _____

Construction (amount/year) \$ _____

Total \$ _____

Funding Source: State/Federal _____ City _____ Developer _____

If State/Federal or developer,

Is there an agreement in place? Yes **(attach a copy)** No

If yes, Type? _____

Amount? \$ _____

Matching Funds? Yes No

If yes, how split? (Ex. 80/20 or 90/10) _____

Who pays for utility relocation? _____

Who pays for engineering? _____

Who bids project? _____

Who is responsible for CE&I? _____

Is ROW required? Yes No If yes, is any to be donated? Yes No

Has construction estimate been made? Yes No

If yes,

How much? \$ _____

By whom? _____

Date? _____

Has consultant been selected? Yes No

If Yes, who? _____

Is R.O.W. to be: Existing? Purchased? Donated?

Is Public Works involved in construction? Yes No

LOCATION/PERMITTING

(TO BE COMPLETED BY CONSULTANT/COH PROJECT ENGINEER, SHARED,
AND RETAINED AS PART OF PROJECT FILE.)

Current Zoning of Area: _____

Proposed Zoning: _____

If in Slope Development District is joint trench required? Yes No

Is Location, Character, and Extent required? Yes No

In Historical District? Yes No

Is ADEM Permit required? Yes No

Is Project in Floodway? Yes No

Is Project in Flood Plain? Yes No

Are wetlands affected? Yes No

Is “blue line” / stream affected? Yes No

Crossing Relocation

Is flood impact study required? Yes No

Is railroad being affected? Yes No

Comments: _____

ROAD ENGINEERING DESIGN CRITERIA

Street: _____

Current Traffic Count (count/year): _____ / _____

Projected Traffic Count (count/year): _____ / _____

Road Classification:	Major Arterial	Major Collector
	Minor Arterial	Minor Arterial
	Local	Other _____

Design Speed _____

Design Vehicle _____

Number of Lanes (Typ) _____

Thru lane widths _____ ft Turning lane widths _____ ft

Median: Yes No Width: _____ ft; Type _____

Minimum curve radius without super elevation _____ ft

Maximum super elevation _____ %

Roadway Cross Slope: _____ %

Max slopes

Cut: _____ :1

Fill: _____ :1

Required clear zone _____

Minimum stopping sight distance _____

Vertical Grade

Minimum 0.50 _____ %

Preferred maximum _____ %

Absolute maximum _____ %

Vertical Curve

Maximum K value (sag): 167 _____

Minimum K value (sag): _____

Minimum K value (crest): _____

Integrated bike lane: Yes No Width _____ ft

Curb & gutter: Yes No Width 24" 30"

Shoulder: Yes No

If Yes, Type: _____

Width: _____

Slope: _____ %

Sidewalk: None Both sides One side Width _____ ft

Greenway: Parallel Crossing NA

If crossing: At grade _____ Over Under

Width of greenway: _____ ft

Typical R.O.W. width _____

Is landscaping

Required?	Yes	No
In design contract?	Yes	No
In construction bid?	Yes	No
Is irrigation required?	Yes	No

Berm: Yes No

Which side: _____

Typical driveway width:

Residential: _____ ft

Commercial: _____ ft

Back of curb radius: _____ ft

On street parking Yes No

Type Parallel Angled straight

If retaining walls are required, what type to be used?

Concrete Stamped Concrete

Modular Brick Other _____

INTERSECTION DESIGN CRITERIA

Intersection: _____ & _____

Are there signalized intersections? Yes No

If Yes:

Who designs? COH Consultant

Who installs? COH Consultant

Maximum deflection from Perp. _____ Degrees

Design Vehicle _____

Compound curves desired: Yes No

Raised Islands: Yes No

Type: Concrete Landscaped

Irrigation: Yes No

Minimum distance between intersections: _____ ft

COMMENTS: _____

UTILITIES

Are new street lights required?	Yes	No
Is existing electric affected?	Yes	No
Is new electric required?	Yes	No
Is electric to be below ground?	Yes	No
Is existing water affected?	Yes	No
Is new water required?	Yes	No
Is existing gas affected?	Yes	No
Is new gas required?	Yes	No
Is existing sanitary sewer affected?	Yes	No
Is new sanitary sewer required?	Yes	No
Are any bores required?	Yes	No

OTHER UTILITY INFORMATION:

STORM WATER DESIGN CRITERIA

(Please reference the Huntsville Stormwater Management Manual (HSMM) for detailed information.)

NPDES permit required? Yes No

COE claim jurisdiction? Yes No

Open Channel Systems:

Design Storm Return Period: _____ yrs

Velocity Limitations: (HSMM tables 5-1 & 5-2) _____ ft/sec

Manning's n Value: (HSMM tables 5-3, 5-4 & figure 5-1) _____

Side Slopes: (HSMM section 5.2.4) _____ :1

Culvert Hydraulics:

Pipe Material: _____

Design Storm Return Period: (HSMM section 6.2.1) _____ yr

Headwater: (HSMM section 6.2.2; remember to check inlet control) Tailwater: (HSMM section 6.2.3)

Manning's n Value: (HSMM section 6.2.4) _____

Velocity Limitations: (HSMM section 6.2.6) _____ ft/sec

Gutter & Inlet Hydraulics:

Design Storm Return Period: (HSMM section 7.1.1) _____ yr

Spread:

Lane widths greater than or equal 12' a 10' spread shall not be exceeded.

Lane widths less than 12' an 8' spread shall not be exceeded.

Manning's n Value= 0.016

Inlet Spacing: Max 20% bypass with 300' max spacing between inlets.

Storm Sewer Hydraulics:

Design Storm Return Period: (SMM section 8.1.1) _____ yr

Manning's n Value: (SMM section 8.1.2)

Minimum Clearances: (MM section 8.1.5)

Bridge:

Is there a bridge or large culvert affected? Yes No

If yes, does it need to accommodate greenway underneath? Yes No

What railing type should be used? _____

COMMENTS: _____
