

# PROPOSED DESIGN CRITERIA

## U-6003 PINEY GROVE ROAD CONNECTOR

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COMPUTED BY: ADS 8/21/17  
CHECKED BY: DCS 12/20/17

ROUTE	(Piney Grove Rd Connector)	Piney Grove Rd (SR 1969) SOUTH	Piney Grove Rd (SR 1969) NORTH	LINEVILLE SPRINGS RD (SR 2030)	
LINE	-L-				
<b>TRAFFIC DATA</b>					
ADT LET YR = 2019	5370	10180	9610	7090	DRAFT U-6003 12/5/07
ADT DESIGN YR = 2039	10070	12010	12740	9960	DRAFT U-6003 12/5/07
TTST	1%	1%	1%	1%	DRAFT U-6003 12/5/07
DUALS	2%	2%	2%	2%	DRAFT U-6003 12/5/07
DHV	10%	11%	10%	9%	DRAFT U-6003 12/5/07
DIR	55%	65%	65%	60%	DRAFT U-6003 12/5/07
<b>CLASSIFICATION</b>	Urban Minor Arterial	Major Collector	Major Collector	Local	SPOT ID H111223
TERRAIN TYPE	Rolling	Rolling	Rolling	Rolling	DM 1-1D
DESIGN SPEED mph	40 mph	40 mph	40 mph	40 mph	SPOT ID H111223
POSTED SPEED mph	35 mph	35 mph	35 mph	35 mph	SPOT ID H111223
PROP. R/W WIDTH ft	100 ft	VARIABLES	VARIABLES	VARIABLES	DM Pt II 9-1
CONTROL OF ACCESS	Partial	NONE	NONE	NONE	SPOT ID H111223
RUMBLE STRIPS (Y/N)	N	N	N	N	DM 1-4P
ULT. TYPICAL SECTION TYPE	2-Lane Divided	3-Lane C&G	2-Lane Shoulder	2-Lane Shoulder	SPOT ID H111223
LANE WIDTH ft	12 ft*	12 ft (40' F-F)	12 ft	12 ft	DM 1-3A, DM 1-13
SIDEWALKS (Y/N)	Y	Y	N	N	Complete Streets, 2J
BICYCLE LANES (Y/N)	Y (4' Outside Lane)*	N	N	N	Complete Streets, 2J
CURB AND GUTTER (Y/N)	Y	Y	N	N	SPOT ID H111223
MEDIAN WIDTH ft (EP to EP)	23 ft (raised)				Complete Streets, 2J
MED. PROTECT. (GR/BARRIER)	N/A				
<b>SHOULDER WIDTH (total)</b>					
INSIDE/MEDIAN ft	N/A				
OUTSIDE w/o GR ft	10 ft (BERM)	10 ft (BERM)	8'	8'	DM1-7D, 1-13 & Std. 862.01
OUTSIDE w/ GR ft	14 ft (BERM)	14 ft (BERM)	11'	11'	DM1-7D, 1-13 & Std. 862.02
<b>PAVED SHOULDER</b>					
OUTSIDE TOTAL/FDPS ft	N/A (C&G)		4'	4'	DM1-4O
INSIDE/MEDIAN TOTAL/FDPS ft	N/A				
<b>GRADE</b>					
MAX.	8%	10%	10%	10%	DM 1-14
MIN.	0.3%	0.3%	0.3%	0.3%	
<b>K VALUE</b>					
SAG	64	64	64	64	GB 3-161
CREST	44	44	44	44	GB 3-155
<b>HORIZ. ALIGN.</b>					
MAX. SUPER.	4%	4%	4%	4%	DM 1-15
MIN. RADIUS ft	533 ft	533 ft	533 ft	533 ft	GB 3-32
SPIRAL (Y/N)	N	N	N	N	DM 1-11
<b>CROSS SLOPES</b>					
PAVEMENT	.02	.02	.02	.02	GB 7-13
PAVED SHOULDER	N/A	N/A	.02	.02	DM1-4O
TURF SHOULDER	N/A	N/A	.08	.08	DM1-4O
MEDIAN DITCH	N/A	N/A	N/A	N/A	
DITCH TYPICAL (A,B)	N/A	N/A	A	A	DM1-2A
CLEAR ZONE ft	10 ft	10 ft	18 ft	18 ft	**Memo (C&G) & DM1-4N
TYPICAL SECTION NO.	1				

NOTES: \*Consistent with adjacent project U-4734

\*\*Memo from NCDOT State Highway Engineer, Feb 25, 2011 "Proposed Right of Way, Permanent Utility Easement & Utility Pole/Fixed Object Placement"