

Table 4.5.4. Sugar Creek Existing Condition Model Results

Node ID	Road Name	Road Class	Road Crown Elevation (ft-NAVD)	Potential Structure Flooding	Design Event				
					Water Surface Elevation (ft-NAVD)				
					1.2 Inch	5 Year	25 Year	50 Year	100 Year
SG70000					113.1	128.0	133.0	137.0	140.0
SG70050				Y	118.0	128.0	133.0	137.0	140.0
SG70100					120.3	128.0	133.0	137.0	140.0
SG70120S	Gornto Road	Arterial	131.8	Y	120.9	128.0	133.0	137.0	140.0
SG70130					127.8	132.9	134.4	137.0	140.0
SG70150S	Railroad	R/R	139.3	Y	130.4	135.0	136.9	137.9	140.0
SG70160					131.6	138.2	140.2	140.9	141.6
SG70180S	Baytree Road	Arterial	145.6		133.4	139.5	141.4	142.0	142.7
SG70185					138.7	144.4	146.1	146.5	147.1
SG70188					140.8	146.7	148.4	148.8	149.4
SG70190					140.8	146.8	148.5	149.0	149.5
SG70200					141.4	147.7	149.5	150.0	150.6
SG70290					145.0	148.6	149.8	150.2	150.7
SG70300				Y	146.9	152.3	154.4	155.0	155.4
SG70330S	Lankford Drive	Arterial	157.1		147.0	153.4	156.5	157.5	158.2
SG70340					148.2	154.1	156.9	157.8	158.5
SG70345					149.5	155.4	157.6	158.4	159.0
SG70350				Y	156.6	160.1	161.1	161.6	162.1
SG70370S	Magnolia Street	Local	165.0	Y	156.7	160.9	162.6	163.5	164.6
SG70375					160.6	163.6	164.5	165.1	165.6
SG70380					166.7	169.1	170.6	171.0	171.4
SG70385					171.3	171.8	171.9	171.9	171.9
SG70390					172.3	174.5	175.9	176.3	176.6
SG70400S	River Street	Collector	177.1	Y	172.7	177.0	177.5	177.6	177.7
SG70420AP				Y	178.6	181.6	182.3	182.5	182.6
SG70435AP					178.6	181.6	182.3	182.5	182.7
SG70445AP					178.6	181.6	182.3	182.5	182.7
SG70450AP					181.2	183.6	184.5	184.8	185.1
SG70500S	River Street	Collector	176.1		172.8	174.3	174.9	175.2	175.4
SG70550					173.6	174.7	175.0	175.2	175.4
SG70700AP					169.6	171.8	172.5	172.7	172.8
SG70800APS					145.1	147.8	149.1	149.5	149.9

Notes:

- Roads not meeting the City's defined Level of Service.
- Roads not meeting the City's define Level of Service due to Withlacoochee flooding.
- Water surface elevations due to Withlacoochee Staging.
- 'Y' depicts potential structure flooding near the corresponding node location.
- Potential Structure flooding estimated by comparing model results with the regional 2 foot contours dataset.
Additional finished floor elevations data shall be acquired for further investigation.
- Potential Structure flooding estimated by comparing model results with the regional 2 foot contours dataset.
Additional finished floor elevations data should be acquired for further investigation.
- All design storm events are 24 hour duration.

