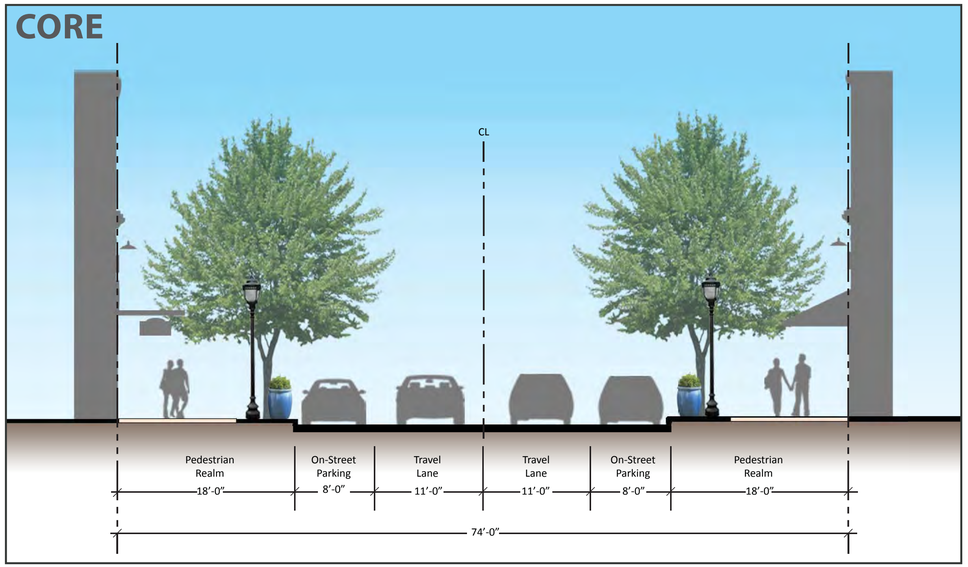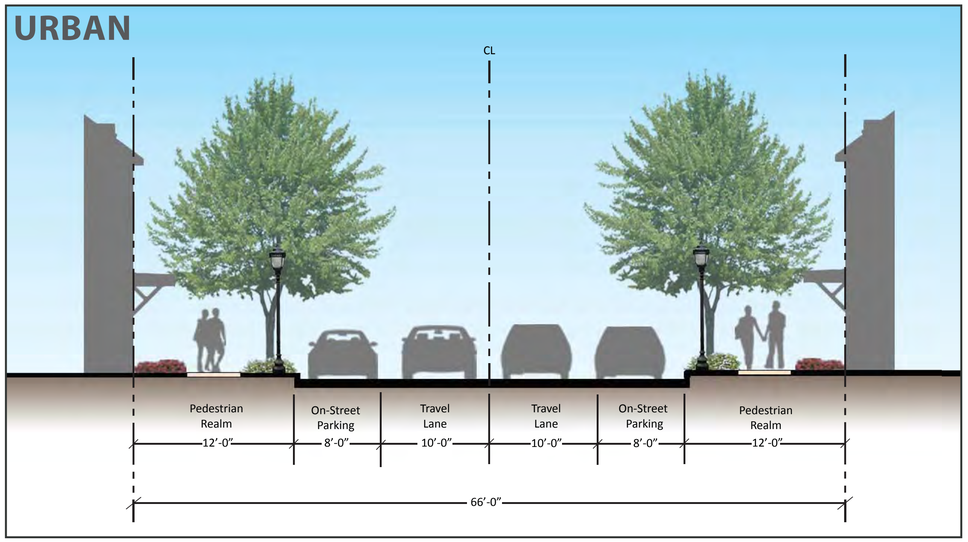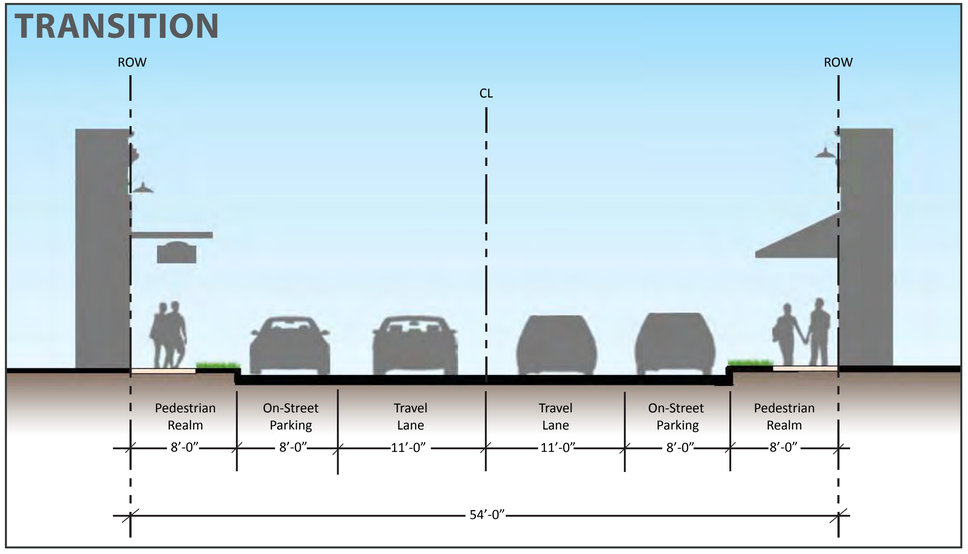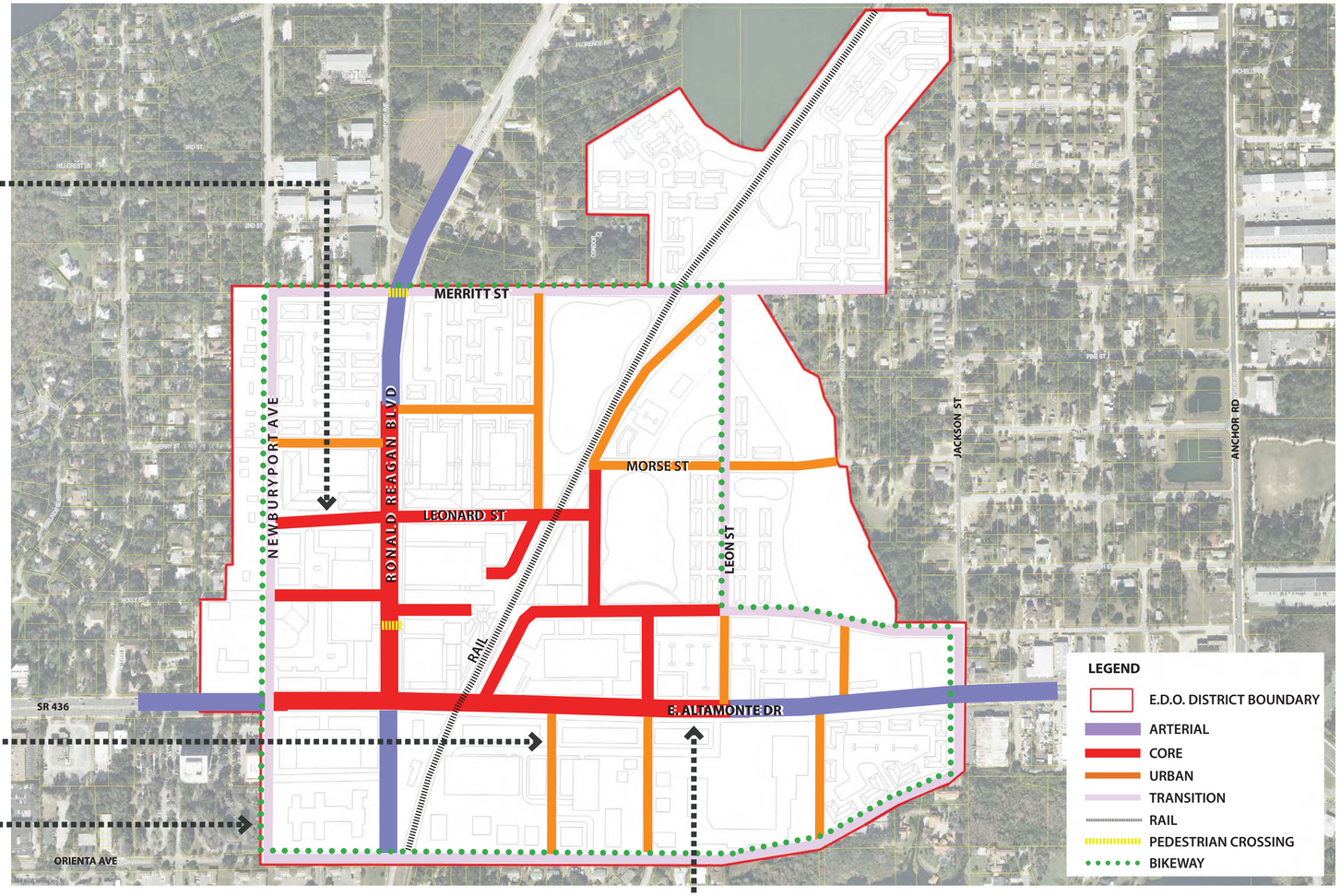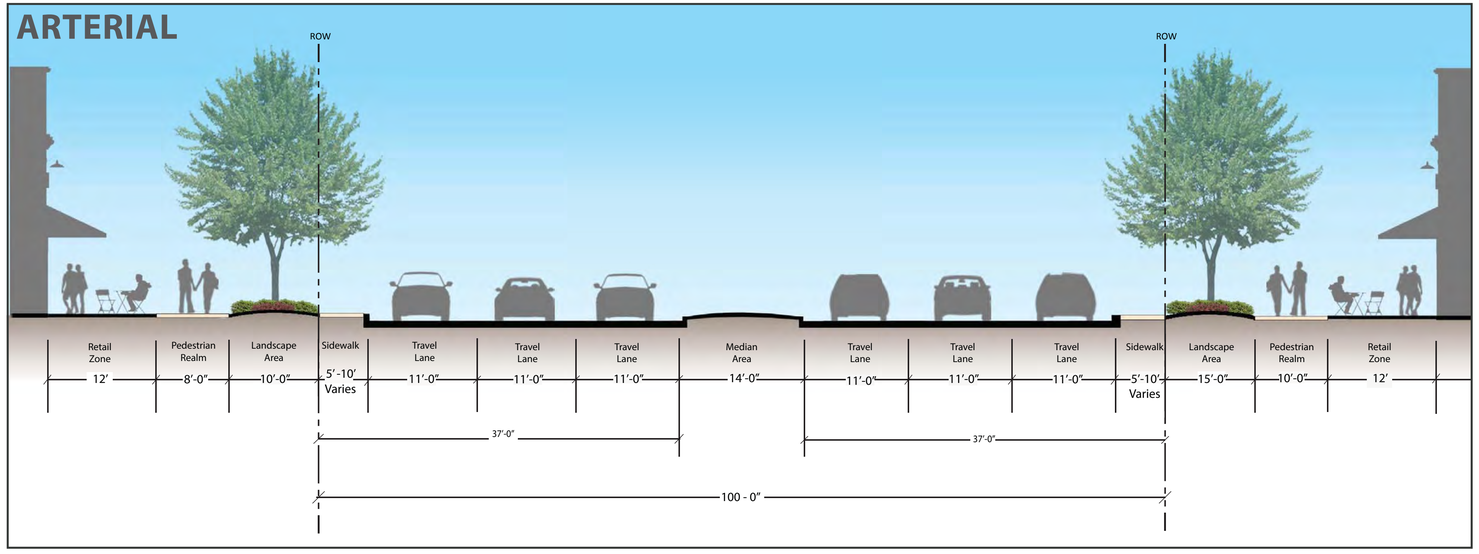TYPICAL CROSS SECTIONS