



**ENGINEERING & OPERATIONS DEPARTMENT**

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**SUBJECT: CRITICAL ELEVATIONS CERTIFICATION LETTER FOR TRAFFIC SIGNALS AND OVERHEAD SIGN STRUCTURES**

**TO:** \_\_\_\_\_ **DATE:** \_\_\_\_\_  
Signalization Engineer of Record

**FROM:** \_\_\_\_\_  
Roadway Engineer of Record

County Road Number and Street Name: \_\_\_\_\_

County Capital Improvement Program Number: \_\_\_\_\_

**ELEVATIONS AT:**       **60% PLANS**                       **90% PLANS**                       **100% PLANS**

This is to confirm that the elevations at the following stations and offsets for mast arms, strain poles or overhead signs pole are correct.

**ELEVATION 1** = Proposed highest ground elevation at the mast arm, strain pole or overhead sign pole foundation locations.

**ELEVATION 2** = Proposed top of foundation elevation at the mast arm or overhead sign pole foundation locations. For strain poles, the top of foundation elevation is not applicable.

**ELEVATION 3** = Proposed pavement surface elevation on the traffic lane or shoulder directly below the lowest point on the traffic signal or overhead sign structure creating the minimum required vertical clearance.

**ELEVATION 4** = Proposed elevation of the lowest point on the traffic signal or overhead sign structure resulting in the minimum required vertical clearance to the proposed pavement surface of the traffic lane or shoulder directly below the lowest point on the structure.

See Figure 1 for a graphic example of Elevations Detail in a Mast Arm Structure.

**MINIMUM REQUIRED**

**VERTICAL CLEARANCE:**      Signal Structure = 17.5 feet new construction, 17 feet retrofit construction  
  
Overhead Sign Structure = 17.5 feet new construction, 17 feet retrofit construction  
  
Dynamic Message Sign (DMS) = 19.5 feet new construction, 19 feet retrofit construction

(Source: Florida Department of Transportation Design Manual (FDM))

REFERENCE BASELINE OR CENTERLINE	STATION	OFFSET (LT/RT)	ELEVATION 1	ELEVATION 2	ELEVATION 3	STRUCTURE TYPE			MINIMUM REQUIRED VERTICAL CLEARANCE	ELEVATION 4
						SIGNAL	OVERHEAD SIGN	DYNAMIC MESSAGE SIGN		
						<input type="checkbox"/>				
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
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						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

I certify that these elevations and clearances are correct. Below is my digital signature, professional engineer seal and date.

\_\_\_\_\_  
 Roadway Engineer of Record / Date  
 Professional Engineer #: \_\_\_\_\_

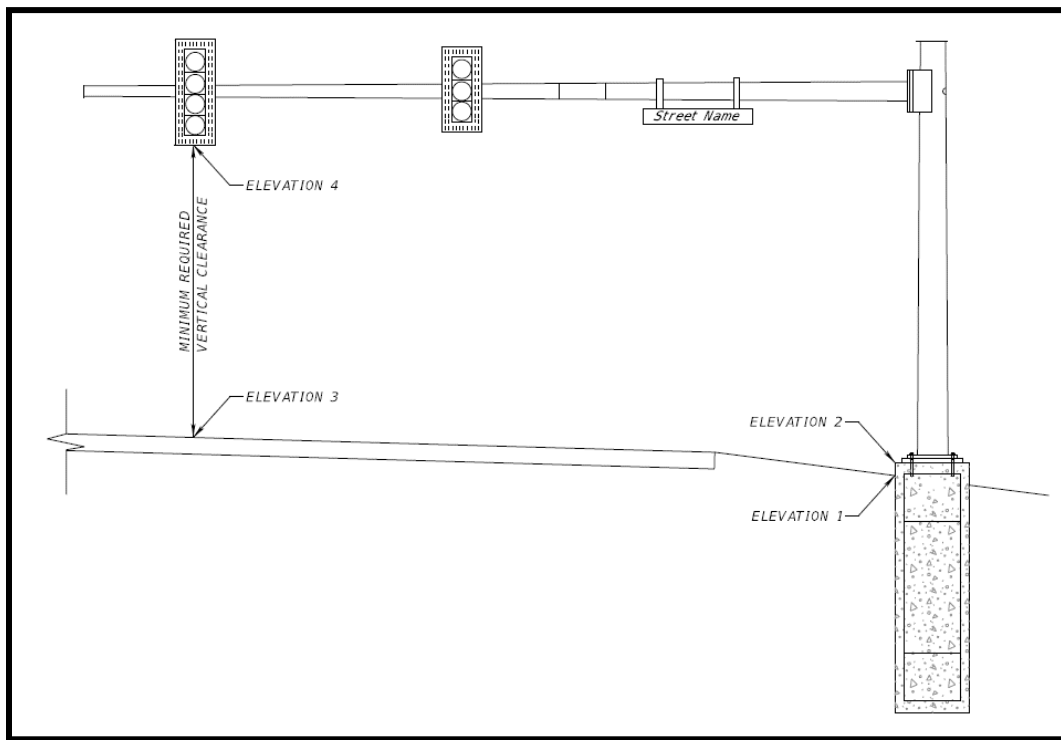


Figure 1. Example of Elevations Detail in a Mast Arm Structure