

Lighting And Camera Poles Structure Inspection Report

LUM08900361

WO-040524-715

04/05/2024

COVER SHEET

County		Inspection Type	Initial/Inventory
City		GPS Coordinates	
Route ID			

Location Description	
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Lead Inspector	
Secondary Inspector	
Reviewer	

Attachments:

- Underclearance Sheet
- Location Sheet
- Sketches
- Other

Signature of Inspector _____ Date _____ Reviewed By _____ Date _____

Overall Structure Rating		
Owner		
Maintenance Responsibility		
Inspection Responsibility		
Operation Responsibility		
Route ID		
Roadway Type		

GENERAL DATA

OVERALL STRUCTURE COMMENTS

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Structure Type	
Frequency of Inspection (Months)	
Frequency of Base Inspection (Months)	
Frequency of UT Inspection (Months)	
Number of Anchor Bolts	
Bridge Number	
Traffic Control Requirements	
Special Access Requirements	

WORK PERFORMED SINCE LAST INSPECTION

New Structure

CLEARANCE DATA

Luminaire Height Over Roadway

SUPERSTRUCTURE DATA

General Appearance of Luminaire Head/Camera/Att.	Connection hardware corrosion	NR	
	Lumina head corrosion	NR	
	Coating condition	no oxidation/peeling	70
	Wiring exposed	no exposed wires	70
	Loose/broken luminaire head	NR	
Luminaire Head/Camera/Other Att. to Arm/Pole Conn.	Corrosion affecting hardware	NR	
	Mounting bracket corrosion	NR	
	Mounting bracket broken	NR	
	Loose/missing hardware	NR	
	Coating condition	NR	
General Alignment of Structure	Pole leaning	NR	
	Base plate out of level	NR	
Walkway	Corrosion of walkway members	NR	
	Corrosion affecting hardware	NR	
	Coating condition	NR	
	Walkway member loose/damaged	NR	

POLE DATA

Vertical Support	Corrosion affecting pole	NR	
	Weathering stl. pole corrosion	NR	
	Coating condition	NR	
	Minor loss of galvanization	no scrapes or local loss of galvanization	70
	Weld at hand hole cracked	NR	
	Debris/water in pole	no debris/water in pole	70
	Pole dent with/without tear	NR	
	Vegetation around against pole	NR	
	Hand hole cover loose/missing	NR	
	Pole cap loose/missing	NR	
	Open electrical ports	NR	
	Timber pole split/checking	NR	
	Timber pole exhibits decay	NR	
	Attachment hardware corrosion	NR	
Other attach. to pole loose	NR		
Vertical Support Base Plate	Corrosion affecting base plate	NR	
	Coating condition	NR	
	Base connection welds cracked	base connection welds not cracked	70
	Base plate cracked/broken	base plate not cracked/not broken	70
	Base plate buried	NR	
	Base protective skirt missing	NR	
	Vegetation around/against base	NR	
	Corrosion of transformer base	NR	
	Corrosion affecting base/pole	NR	
	T-base coating condition	coating at T-base has no oxidation/peeling	70
	T-base cracked/broken	NR	
	T-base to pole bolts loose	NR	
	T-base to pole bolts short	NR	
	T-base to pole washers missing	NR	
	T-base/pole lock washers	T-base/pole lock washers not present	70
	Access cover not removable	T-base access cover removable	70
	T-base access cover missing	NR	
Base interior has water/debris	T-base interior has no standing water/debris	70	
Vertical Support Slip Joint	Corrosion of slip joint	NR	
	Long. crack in slip joint	NR	

CHORD/SPANWIRE DATA

Arm to Pole Connection	Connection plates corrosion	NR	
	Connection hardware corrosion	NR	
	Coating condition	NR	
	Hardware loose/missing/broken	NR	
	Missing flat washers	flat washers present at arm connection to pole	70
	Multiple flat washers present	no multiple flat washers at arm connection to pole	70
	Lock washers at pole conn.	lock washers not present at arm connection to pole	70
	Arm connection plate cracked	arm connection plate not broken/cracked	70
	Gap between connection plates	no gap between connection plates	70
	Loose bolts to timber pole	NR	
	Loose lags to timber pole	NR	
Luminaire Arm	Corrosion affecting arm	NR	
	Coating condition	NR	
	Bent chord member	no bent chord member	70
	Cracked/ruptured chord member	no cracked/ruptured chord member	70
	End cap loose/missing	NR	
	Chord strut broken	no chord strut broken	70
	Chord to chord weld cracked	weld at chord to chord connection not cracked	70
	Open electrical ports in arm	NR	

FOUNDATION DATA

Anchor Bolts	Base plate to foundation gap	NR	
	Corrosion of anchor nuts/bolt	NR	
	Top/leveling nut loose/missing	NR	
	Movement in transformer base	excessive movement, or 2+ nuts in 4 bolt moving	20
	Inadequately tightened nuts	NR	
	Anchor bolts broke/sheared/ckd	no anchor bolts affected	70
	Anchor bolts covers	NR	
	Anchor nut tolerance	gap does not exceed tolerance for all bolts	70
	Top nut not fully engaged	top nuts engaged > 75% on all anchors	70
	Top/leveling flat washers miss	NR	
	Multiple top/leveling washers	multiple top/leveling washers not present	70
	Lock washers present	lock washers not present	70
	Anchor bolts other than steel	no anchor bolts/nuts/washers other than steel	70
	Anchor bolt inaccessible	anchor bolt accessible	70
	Base plate protective skirt	NR	
	Ultrasonic testing of an bolts	NR	
	T-base anchors not engaged	NR	
	Breakaway couplings broken	NR	
	Breakaway couplings too high	NR	
	Breakaway coupling not torqued	NR	
Concrete Pedestal	Pedestal obstructed/buried	NR	
	Crack, at corner of pedestal	NR	
	Cracks radiating from an. bolt	NR	
	Delamination/spalling of ped	NR	
	Honeycombing on pedestal	NR	
	Vege. growth at pedestal	NR	
Erosion/Undermining	Erosion around concrete ped.	NR	
	Erosion at steel helical pile	NR	
	Drainage around pedestal	no evidence of standing water	70
Grout	Grout condition	no grout	70

RECOMMENDATIONS

	Recommendation	Comments	Priority
Recommendation 1			
Recommendation 2			
Recommendation 3			
Recommendation 4			
Recommendation 5			
Recommendation 6			

Notes

Notes 2

Front View

Pole Base

Left Chord to Pole Connection

Right Chord to Pole Connection

Left Luminaire Head

Right Luminaire Head