

## Ins Mod Closeout

Site 306035

Site Name Unity Village MO 2

Client American Tower

Prepared For



Date 12/5/20

SC # 200342

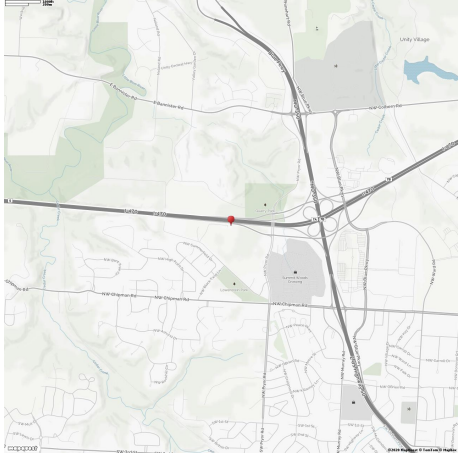
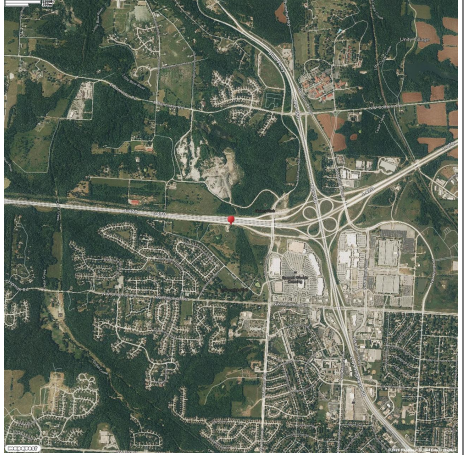
Siterra Project Number ATC115958



## Site Summary

Site Name	Unity Village MO 2	Site Address	2150 NW LOWENSTEIN
Site	306035	City	Lees Summit
Region	West	State	MO
		Zip	64081-1905

## Site Information

Site Name	Unity Village MO 2	Site	306035
Latitude	38.93367222	Structure Type	Self Support
Longitude	-94.41720833	Tower Height	191'
Street Map		Satellite Map	

## Site Summary

Site Name	Unity Village MO 2	Site Address	2150 NW LOWENSTEIN
Site	306035	City	Lees Summit
Region	West	State	MO
		Zip	64081-1905

## Scope of Work

Scope of Work #1	See Modification Drawings in Appendix 0
Scope of Work #2	See Modification Drawings in Appendix 0
Mod Drawings	See Appendix 0

## Site Summary

Site Name	Unity Village MO 2	Site Address	2150 NW LOWENSTEIN
Site	306035	City	Lees Summit
Region	West	State	MO
		Zip	64081-1905

## Close-Out / Before and After Photos

Number items: Item #1, Item #2, Item #3..., Identify Scope of Work #1 or #2. Example: Item #1 / SOW #1, Item #2 / SOW #1, Item #3 / SOW #2, etc.  
 Enter brief description of item: Tower Base Grounding, Re-route Safety Climb, New Safety Climb, Grout Repair, etc.  
 Upload before photos to "Before" attribute. Upload as-built / after photos to "After" attribute. Use similar camera angles as much as possible for before and after photos. After may require a series of photos uploaded in order.  
 For all new safety climb installs; put the new safety climb manufacturer and batch / serial number in after attribute.Â

Date of Repair	12/5/20
Any Additional TIA Fixes Required	No
Description of Additional Fixes Required	n/a
New safety climb installed?	No
New Safety Climb Info: Manufacturer / Batch or Serial Number / Installed Cable Length	n/a

Item # / SOW #	Description	Before	After
Item #1 / SOW #1	Adjusted safety climb cable to extend at least 1" pas the carrier clamp.		

Additional Comments	
---------------------	--

Item #1 / SOW #1 - Before



Item #1 / SOW #1 - After



## Site Summary

Site Name	Unity Village MO 2	Site Address	2150 NW LOWENSTEIN
Site	306035	City	Lees Summit
Region	West	State	MO
		Zip	64081-1905

## Appendix

### Appendix

GC as built, Garry Margolius, 12/8/2020

# Addendums

#	Attribute Key	File Name
Addendum 0	Appendix	STAMPED PDF. Operations @ 306035 Unity Village MO 2, MO (13101469_N3_01) TRS.pdf

# Addendum 0

Attribute Key: Appendix

Value: GC as built, Garry Margolius, 12/8/2020

Filename: STAMPED PDF. Operations @ 306035 Unity Village MO 2, MO (13101469\_N3\_01)  
TRS.pdf

4 Pages



NTP Approved: Yes - Safety Climb Usable: No



**AMERICAN TOWER®**  
CORPORATION

# TOWER REMEDIATION SCOPE OF WORK

As-Built Sign Off:

Contractor Name

Contractor Representative

Representative Signature

Date

Reviewed By:





ATC Site Number & Name	306035, Unity Village MO 2, MO
Tower Description	191-ft Self Support Tower
Code	TIA-222-G
Site Location	2150 NW LOWENSTEIN Lees Summit, MO 64081-1905 Jackson County 38.93367222, -94.41720833





Eng. Number	13101469_N3_01
Date	4/22/2020
Page	1 of 4
Reviewed by	DAVI
Priority	N/A
ATC TOWER SERVICES COA: 2015011232	




Bid Item	1		
Deficiency Photo		Description of Work	As-Built Photo
		2 Ensure safety climb assembly is properly installed. Adjust safety climb cable to extend at least 1" past the carrier clamp (top washer).	

Bid Item	1		
Deficiency Photo		Description of Work	As-Built Photo
		2 Additional photos provided for Bid Item 1. Please see description of work above.	

ATC Site Number & Name	306035, Unity Village MO 2, MO	 <b>AMERICAN TOWER®</b> CORPORATION Engineering Contact: engineering@americantower.com	Eng. Number	13101469_N3_01
Tower Description	191-ft Self Support Tower		Date	4/22/2020
Code	TIA-222-G		Page	2 of 4
Site Location	2150 NW LOWENSTEIN Lees Summit, MO 64081-1905 Jackson County 38.93367222, -94.41720833		Reviewed by	DAVI
			Priority	N/A
			ATC TOWER SERVICES COA: 2015011232	

Bid Item	1		
Deficiency Photo		Description of Work	2
		Additional photos provided for Bid Item 1. Please see description of work above.	As-Built Photo

ATC Site Number & Name	306035, Unity Village MO 2, MO	 <b>AMERICAN TOWER®</b> CORPORATION Engineering Contact: engineering@americantower.com	Eng. Number	13101469_N3_01
Tower Description	191-ft Self Support Tower		Date	4/22/2020
Code	TIA-222-G		Page	3 of 4
Site Location	2150 NW LOWENSTEIN Lees Summit, MO 64081-1905 Jackson County 38.93367222, -94.41720833		Reviewed by	DAVI
			Priority	N/A
			ATC TOWER SERVICES	COA: 2015011232

## General Notes

### General

1. All work to be completed per applicable local, state and federal codes and ordinances and comply with ATC Construction Specifications for wireless tower sites. The contractor is responsible for obtaining and abiding by all required permits.
2. All work indicated on these drawings shall be performed by qualified contractors experienced in tower and foundation construction.
3. The contractor shall notify the engineer of record immediately of any installation interferences. All new work shall accommodate existing conditions. Details not specifically shown on the drawings shall follow similar details for this job.
4. Any substitutions shall conform to the requirements of these notes and specifications, and should be similar to those shown. All substitutions shall be submitted to the engineer of record for review and approval prior to fabrication.
5. Any manufactured design elements shall conform to the requirements of these notes and specifications and should be similar to those shown. These design elements must be stamped by an engineer professionally registered in the state of the project, and submitted to the engineer of record for approval prior to fabrication.
6. All work shall be done in accordance with local codes and OSHA safety regulations.
7. The contractor is responsible for the design and execution of all miscellaneous shoring, bracing, temporary supports, etc. Necessary, per ANSI/TIA-322 and ANSI/ASSE A10.48, to provide a complete and stable structure as shown on these drawings.
8. Contractor's proposed installation shall not interfere, nor deny access to, any existing operational and safety equipment.

### Paint

1. As required, clean and paint proposed steel according to FAA advisory circular AC 70/7460-1K.

### Bolt Tightening Procedure

1. Structural connections to be assembled and inspected in accordance with RCSC Specifications (specifications for structural joints using ASTM A325 or ASTM A490 bolts.)
2. Flange bolts shall be installed and tightened using direct tension indicating (DTI) squirter washers. DTI squirter washers are to be installed and oriented / tightened per manufacturer specifications to achieve desired level of bolt pre-tension.
3. In lieu of using DTI squirter washers, flange bolts may be tightened using AISC / RCSC "turn-of-the-nut" method, pending approval by the engineer of record (EOR). Tighten flange bolts using the chart below:

Bolt lengths up to and including four diameters	+1/3 turn beyond snug tight
Bolt lengths over four diameters but not exceeding eight diameters	+1/2 turn beyond snug tight

4. Splice bolts subject to direct tension shall be installed and tightened as per section 8.2.1 of the AISC "specification for structural joints using A325 or A490 bolts", located in the AISC manual of steel construction. The installation procedure is paraphrased as follows:


Fasteners shall be installed in properly aligned holes and tightened by one of the methods described in subsection 8.2.1 through 8.2.4.

#### 8.2.1 Turn-of-Nut Pretensioning

Bolts shall be installed in all holes of the connection and brought to a snug tight condition as defined in section 8.1, until all the bolts are simultaneously snug tight and the connection is fully compacted. Following this initial operation all bolts in the connection shall be tightened further by the applicable amount of rotation specified above. During the tightening operation there shall be no rotation of the part not turned by the wrench. Tightening shall progress systematically.

5. All other bolted connections shall be brought to a snug tight condition as defined in section 8.1 of the specification.

All bolt holes shall be aligned to permit insertion of the bolts without undue damage to the threads. Bolts shall be placed in all holes with washers positioned as required and nuts threaded to complete the assembly. Compacting the joint to the snug-tight condition shall progress systematically from the most rigid part of the joint. The snug-tightened condition is the tightness that is attained with a few impacts of an impact wrench or the full effort of an ironworker using an ordinary spud wrench to bring the connected plies into firm contact.

ATC Site Number & Name	306035, Unity Village MO 2, MO	 <b>AMERICAN TOWER®</b> CORPORATION Engineering Contact: engineering@americantower.com	Eng. Number	13101469_N3_01
Tower Description	191-ft Self Support Tower		Date	4/22/2020
Code	TIA-222-G		Page	4 of 4
Site Location	2150 NW LOWENSTEIN Lees Summit, MO 64081-1905 Jackson County 38.93367222, -94.41720833		Reviewed by	DAVI
			Priority	N/A
			ATC TOWER SERVICES COA: 2015011232	