

HIGHLANDS RANCH METROPOLITAN DISTRICT  
BOARD MEETING ADDENDUM

December 12, 2016

Addendum documents can also be viewed at  
<http://highlandsranch.org>

or

<http://intranet.highlandsranch.org/default.aspx>

- Streetlight Monopoles Along Arterials
- Diamond K Playground photo



# **Streetlight Monopoles Along Arterials**

**Community Design  
Standards**

**December 2016**

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# Streetlight Monopole History

- Original partnership with Xcel to increase potential antenna sites on streetlights within HR
- Commercial sites also available in parking lots and attached to buildings
- Xcel changed policy in 2012 not allowing cell antennas on Xcel streetlight pole
- HRMD revised program to have poles located on adjacent HRMD tracts

# Cell Site Management



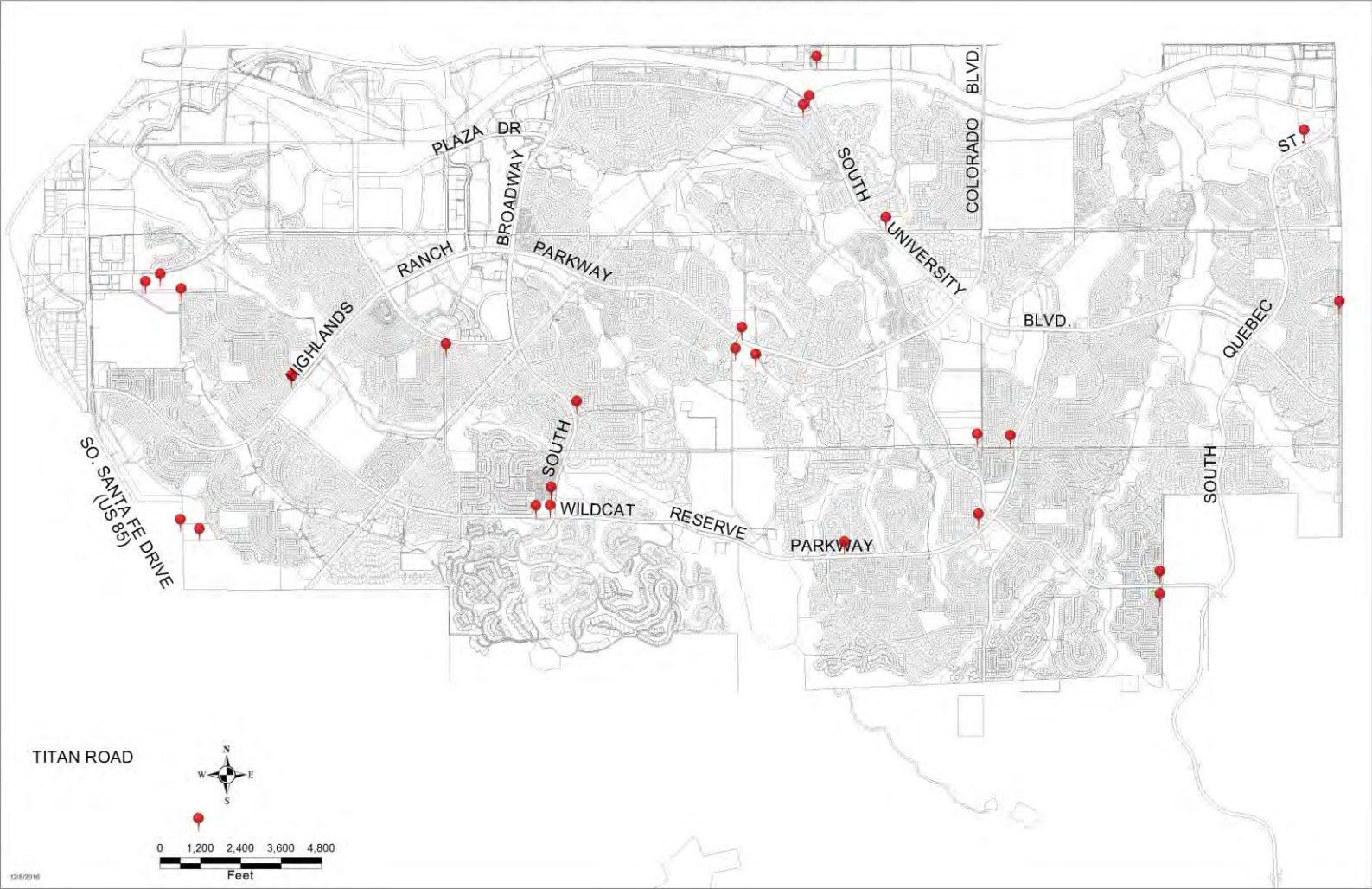
- Generates over \$475,000/year in revenue for major repair fund



# Antenna Configuration



# Cell Sites On District Properties



# 2010 Revisions to Pole Diameter



- Existing 18" Dia. X 12ft. antenna



- New 20" Dia. X 12 ft. antenna shroud

# Douglas County Regulations Stealth Monopole Design

- Currently 18" pole with 20" canister on arterial roadways
- Federal Telecommunications Act Revisions
- Carriers allowed to request 10% increase in height with property owner consent
  - Pole height can be increased to 49.5 ft
  - Pole diameters are not addressed



# Pole Diameter Comparison



7.5"



18"



24"

# Pole Diameter Comparison



- 24" Continuous Pole

# Recommended New Standards

- Maximum 20" diameter pole
- Maximum 24" diameter antenna shroud
- Streetlight remains at 35 ft
- Total pole height not to exceed 50 ft
- Full notification to neighbors adjacent to pole on existing sites
- Resolution to be presented in January

