



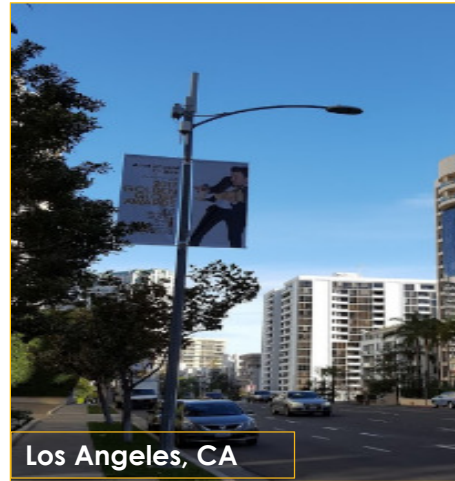
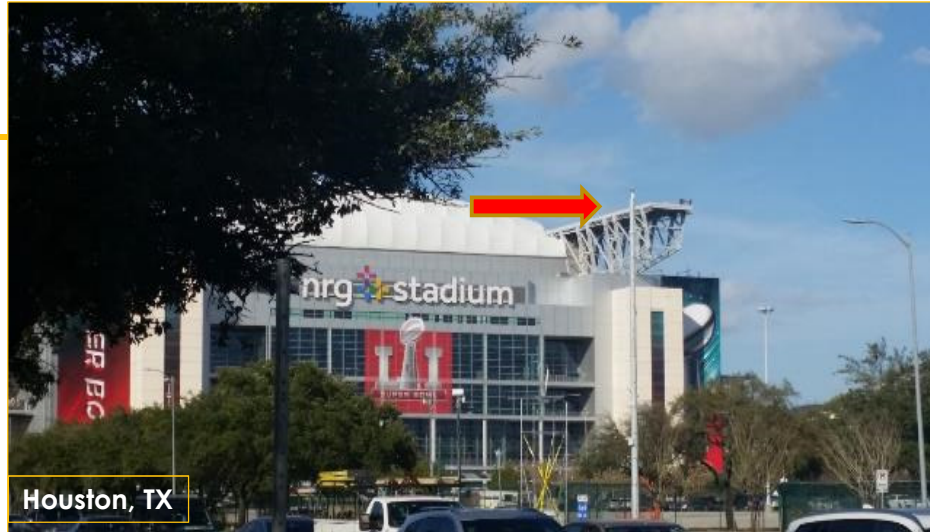
Small Cell Best Practices

June 7, 2017

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Small Cell Description and Background



- **What are Small Cells?**

- Small antennas and radios that provide wireless signal to users
- Small Cells typically sited on locations in public Rights of Way
- Small Cells can be attached to existing light poles, utility poles, buildings, placed indoors in venues and can be placed on new installed poles

- **Why Small Cells?**

- Small Cells bring network closer to end users to satisfy **congestion** and **coverage** demands and more efficiently use spectrum
- Densifies 4G LTE Networks; Building blocks for 5G Networks
- Can be utilized where macro sites are unavailable
- Thousands of small cells to be deployed over next several years across U.S.
- FCC cites statistic of 100 -150,000 to be constructed in U.S. by end of 2018 and 455,000 by 2020

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Regulatory Barriers to Large Scale Small Cell Deployment



- Restricted Access To ROW Or Vertical Structures
- Burdensome Or No Processes For Small Cells
- Excessive Application, Attachment And ROW Usage Fees

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Small Cell Siting Best Practices



- Statewide uniformity with access to ROW AND access to municipal vertical structures
- ROW Use, Attachment, and Application fees that incent deployment
- Streamlined Application and Siting Process

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Illinois SB 1451



- **Small Wireless Facilities Deployment Act**
 - Small Cells are Permitted Use (No Zoning) in ROW and outside of ROW if not residential area
 - Provide information in Application regarding location, engineering specs and schedule for installation
 - City Input Into Small Cell Siting and Approval
 - Must approve application and meet building and other applicable codes
 - Can suggest alternate location for new pole and must be accepted if no technical or material cost differences
 - New pole height limited to higher of 10 feet greater than pole line or 45 feet
 - Comply with undergrounding requirements
 - Must comply with public safety requirements and reasonable stealth and concealment requirements
 - Removal of abandoned small cells
 - Established and uniform timeframes for consideration of applications
 - Batched Applications of up to 25 locations
 - No Moratoria
 - Uniform and Capped Application Fees and Annual Attachment Fees
 - Existing locations under contract continue/New locations get new fees within 6 months
 - Uniform Make Ready Work provisions

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New York City



Chicago



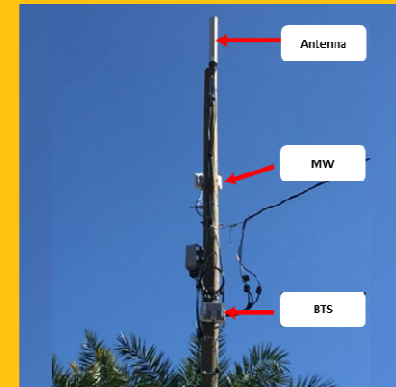
Atlanta, GA



St. Paul, MN



Los Angeles



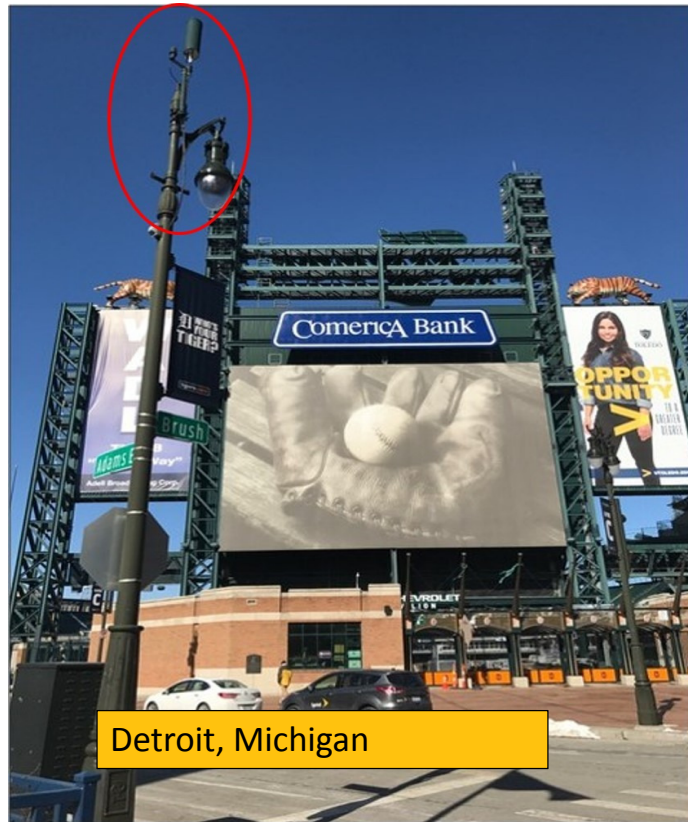
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Decorative Pole



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