



 **MOTOROLA SOLUTIONS**

State of North Dakota

SIRN 2020 Status Update

July 29, 2019



SIRN 2020 AGENDA



1928
2018
YEARS

- Project Status
- Updated RF Build Out Plan
 - Expected RF Build Durations
- Next Steps
- Pricing Update

SIRN 2020 July Status Update



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- Phase 1 / Round 1 Status
 - Physical Site Visits To All 21 Dispatch Centers
 - Determined Dispatch Center Early Adopters
 - Grand Forks ,Minot, Williams Co are confirmed
 - Awaiting Confirmation on Barnes, Stutsman and Richland
 - Completed MSI Pricing for Dispatch Centers on 6/26/19
 - Completed ITD Network Fiber Connectivity pricing on 7/19/19
 - In Process of Base Lining Phase One / Round One project schedule
- RF Phase Status
 - Physical Site Visits To 39 RF Locations
 - Confirmed Early Adapters
 - Grand Forks ,Minot, Williams Co, Williston, Bismarck and Burleigh
 - Classified Early adapter sites for expected durations
 - In process of verifying RF coverage for Alternate locations

Updated RF BUILDOUT PLAN



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- **RF Build out (Round One Focus)**

- State Wide Mobile Coverage
 - State Own Locations- Qty-45
 - » Needed to Prepare for State Radio PSAP cutover
 - Sites contribute to early adapter coverage in Burleigh, Bismarck and Williams
 - Other Locations – Qty-18
 - » Required sites to provide mobile coverage
- Early Adapter Build Out (18 Sites Total)
- Build out (4) Urban Areas (Four cities) Simulcast Systems 11 Sites
 - Grand Forks (2 Site Simulcast Cell)
 - Minot (2 Site Simulcast Cell)
 - Williston (3 Site Simulcast Cell)
 - Bismarck (4 Site Simulcast Cell)
- Build out Two Rural Area
 - Williams County (4 ASR Sites)
 - Burleigh County (3 ASR Sites)
- **Grand Total 81 Total Locations**

Round One Build Out Expected Duration by Site Type



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Task Name	Duration	Start	Finish	Qtr 4, 2018	Qtr 1, 2019	Qtr 2, 2019	Qtr 3, 2019	Qtr 4, 2019
1 Civil Work and Equipment Installation Templates	224 d	Tue 1/1/19	Fri 11/15/19					
2 * Type A: Development and Installation, Green Site	224 d	Tue 1/1/19	Fri 11/15/19					
152 * Type B: Development and Installation, New Tower	160 d	Tue 1/1/19	Fri 8/16/19					
221 * Type C: Development and Installation, New Shelter	154 d	Tue 1/1/19	Thu 8/8/19					
326 * Type D: Development and Installation, Existing Tower and Shelter	64 d	Tue 1/1/19	Tue 4/2/19					
360 * Type E: Development and Installation, New Tower and Shelter Upgrade	160 d	Tue 1/1/19	Fri 8/16/19					
432 * Type F: Development and Installation, New Shelter and Tower Remediation	151 d	Tue 1/1/19	Mon 8/5/19					

Site Types Identified-

- Type A- QTY= 4
- Type B- QTY= 24
- Type C- QTY= 1
- Type D- QTY= 11
- Type E- QTY= 9
- Type F- QTY= 32
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- **Grand Total= 81**

RF Build Out : NEXT STEPS



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- Receive Approval and Schedule RF Portion of Project Kick Off (Target Week of 8/12/19)
 - Review processes required and team responsibilities
 - FCC Process, Site Leasing Process, Site Layout Review and Approval Process
- Engage Teams to Create RF Schedule
 - Formal Site Surveys to mark Property (if not available)
 - Formal A&E site visits for Location Layouts / Create Construction Drawing
 - Verify Possible Alternates (County /City Assets)
- Schedule RF Customer Design Review (CDR) for Locations and Coverage
 - Review Low Risk Sites (State Owned and Possible County/City) To Place RF Equipment Order

SIRN 2020 Pricing From Contract



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Item	Price
P-25 Network Core and DSR	\$1,512,134
State Radio Dispatch and Back up Disptach	\$1,026,422
45 State Owned Sites	\$20,131,463
25 ASR Sites	\$16,218,562
11 Simulcast Sites	\$5,743,862
Grand Total=-	\$44,632,443