

# MONTANA'S TRANSPORTATION MANAGEMENT CENTER

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NORTH/WEST PASSAGE WEBINAR 06/17

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# CURRENT MDT TRAVEL INFO

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- Reporting decentralized to 5 Districts
  - Incidents, conditions, construction, AMBER, variable message signs
  - Lacks consistency
- Winter reporting season (Oct – March)
  - 24 x 7 reporting
  - Temps hired in district offices for winter season (5.5 FTE)
  - Outside winter, offices generally not staffed after 5 or weekends/holidays
  - Travel Program manager on-call

# 2019 LEGISLATURE

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- Safety concerns
- Approached 2019 Legislature
  - Request to implement a Transportation Management Center
    - Organizational changes
    - New FTE's
      - TMC
      - Communications Technician
    - 24 x 7 x 365

# TECHNICAL LIMITATIONS

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- Travel Info website end of life technology
  - Uses an Oracle forms application and batch processing to update the travel map
  - Mobile App developed and maintained inhouse – difficult to keep updated
  - Project planned to upgrade product
- Communication
  - Zetronics two-way radios
  - Limited distance, even with relays

We quickly identified radios/communication as our biggest obstacle

# COMMUNICATIONS

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- Switching Radios
  - MHP centralized dispatch
    - Use microwave system
      - Lacked complete redundancy
      - Costly base units (+\$100,000 each)
- Cellular coverage not complete
- Zetronics VoIP solution



# ZETRONICS VOIP

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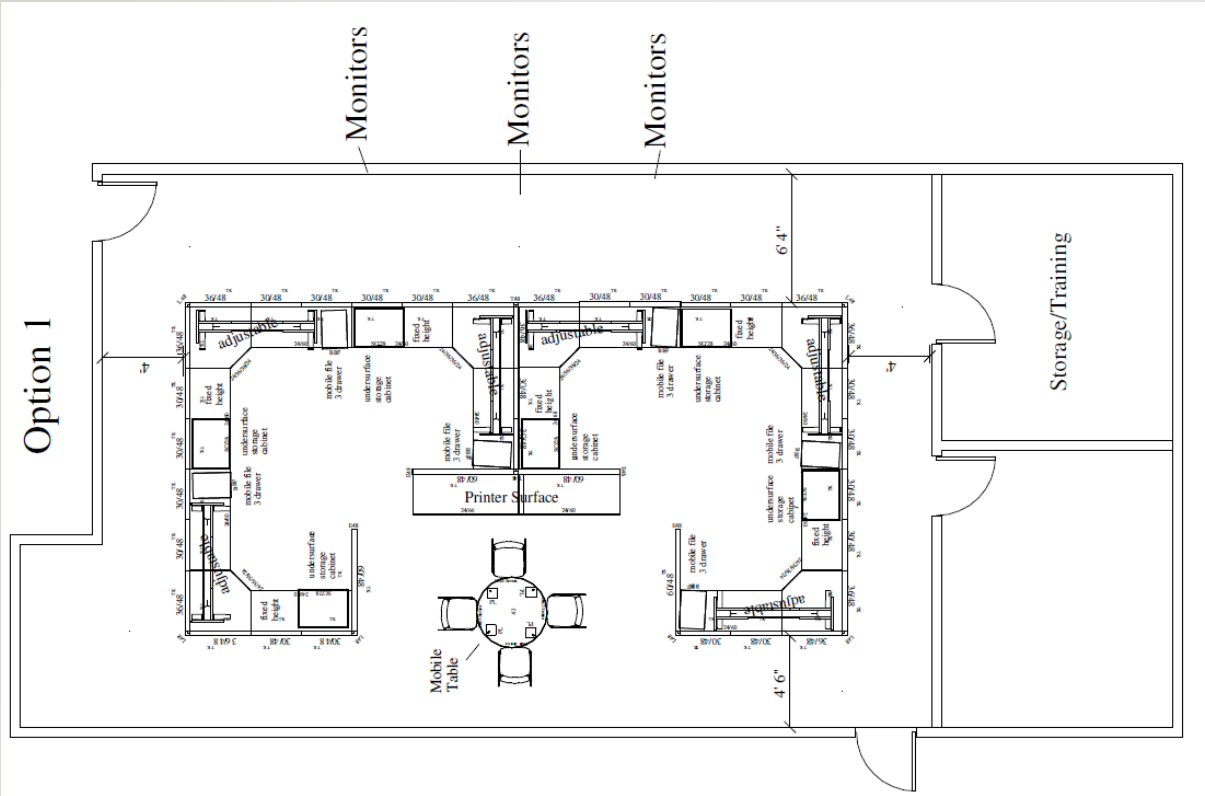
- Maintains current radio capabilities
  - Truck / Division
- Utilize state network
  - Routes signal to TMC
- Zetron Console
  - Monitor radio traffic statewide
  - Completed testing in May

# TMC

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- Originally hoped to co-locate with MHP
  - Space issue
  - CJIN confidentiality issues
- Identified a location at headquarters
  - Constructed to meet needs
    - Separate security
    - Outside entrance
    - Backup power
  - Construction expected to be complete in August

# TMC





# STAFFING

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- 6 FTE
  - Based job profile on MHP dispatcher
  - Career ladder
  - Lead workers
  - Supervisor
- Begin hiring temps in September
  - 15 – 16 temps (5.5 FTE)
  - Challenge

# FUTURE

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- Standardize reporting
- Improve communication with agency partners
- Traffic/Safety
  - Event planning
  - Wrong way detection
  - VSL

# THANK YOU

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QUESTIONS?