

TRWC
MOBILE DATA SYSTEM
PROJECT

Public Safety 700 MHz Broadband Data

- As part of the digital television transition, the FCC designated a 10 MHz portion (5+5) of the 700 MHz band for Public Safety Broadband (PSBB) communications.
- The Commission issued a single nationwide license for PSBB to the Public Safety Spectrum Trust (PSST).
- This is to be used for a nationwide interoperable wireless data system for First Responders.

FCC Waiver

- April 2010 -The City of Mesa, on behalf of the TRWC, petitioned the FCC for a waiver to allow the early deployment of a system on the PSBB 700 MHz spectrum.
- On May 11th the FCC granted Mesa's waiver request along with 20 other Public Safety Entities.

Waiver Conditions

- License for the PSBB frequencies will be leased from the PSST .
- Lease fee to be charged to cover the operating expenses of the PSST.
- Must become part of the Nationwide system when it becomes reality.
- Must permit interoperability with other Public Safety users.
- Mandatory use of LTE standard.

Long Term Evolution (LTE)

- LTE has become the standard for the commercial carriers for the 700 MHz.
- Verizon and AT&T are deploying 4G (LTE) systems in 700 MHz.

NTIA BTOP Grants

- May 13th -NTIA reopened the window on the Second Round of Broadband Technology Opportunities Program (BTOP) Stimulus Grants for the Recipients of the PSBB Waivers.
- 20 % Minimum match required.
- Grant applications are due by 5:00 PM Eastern time on July 1st. Request for time extension will not be accepted.

Grant Application

The City of Mesa is planning on submitting a BTOP grant application on behalf of the TRWC to secure sufficient funding to deploy a 700 MHz Public Safety Broadband LTE system in the TRWC Region.

HPD

or

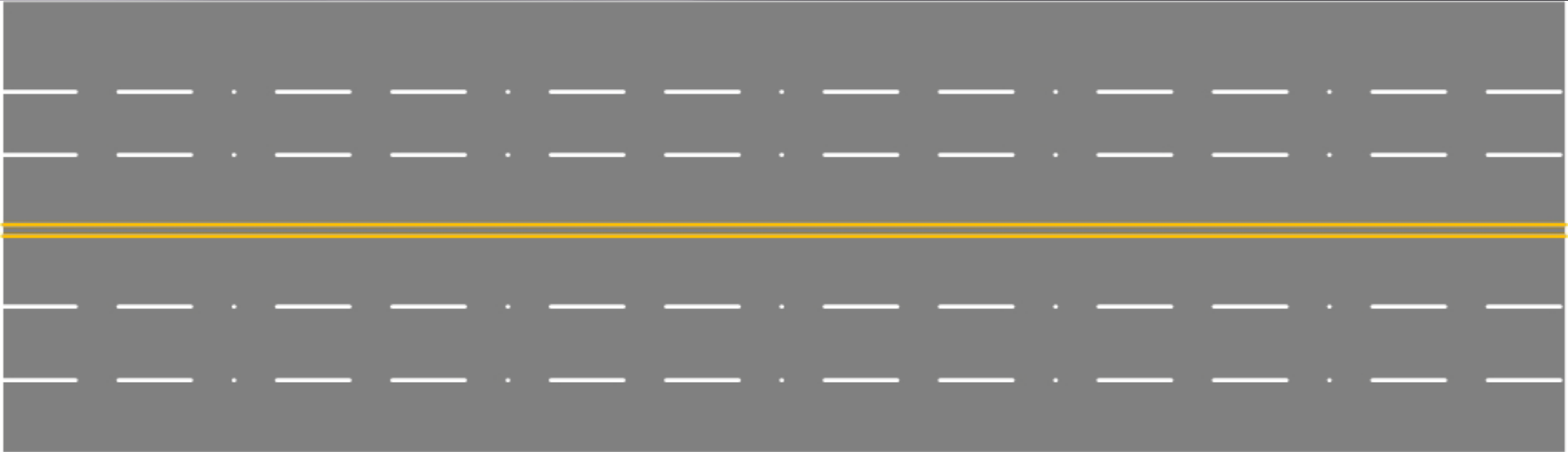
LTE

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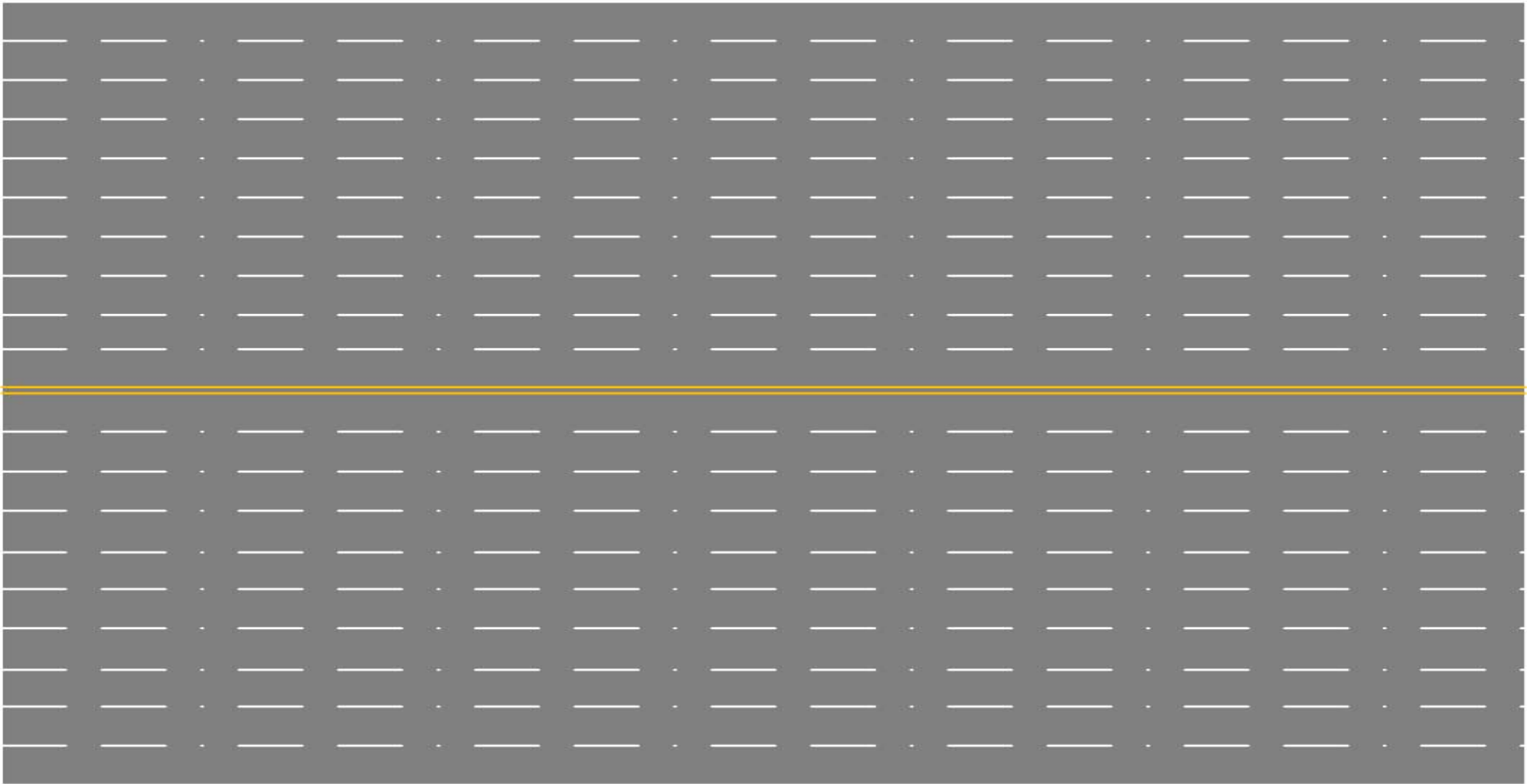
CURRENT MOTOROLA DataTAC SYSTEM



MOTOROLA HIGH PERFORMANCE DATA SYSTEM (HPD)



LTE SYSTEM



700 MHz Block D

- FCC's 700MHz Spectrum Auction failed to produce a successful bidder for Block D.
- Block D is adjacent to the PSBB Spectrum and would provide 20 MHz of spectrum (10+10).
- LTE performance is optimal at 20 MHz.
- 20 MHz of Spectrum will cover Public Safety's needs well into the future.
- APCO & several other Public Safety organizations pushing to have Congress reallocate Block D to Public Safety.
- April 2010 - H.R.5081 - Broadband for First Responders Act of 2010.
- Contact your Congressman.

CELLULAR SYSTEMS BECOME UNUSEABLE DURING MAJOR DISASTERS



DANGER

ENTER AT YOUR
OWN RISK