WiMAX Prototyping in Metro Detroit: Deployment Plan

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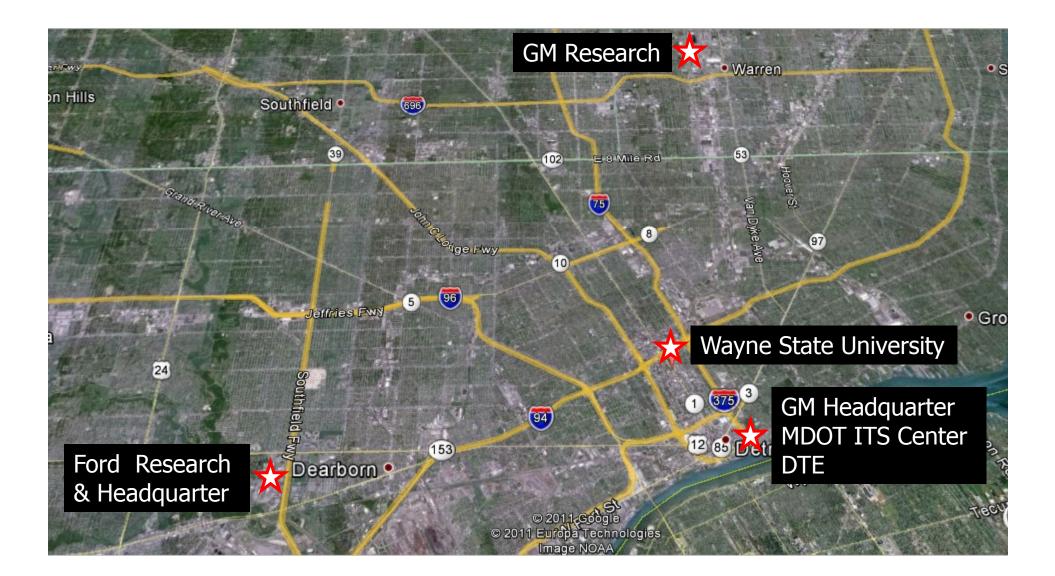
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Context of deployment

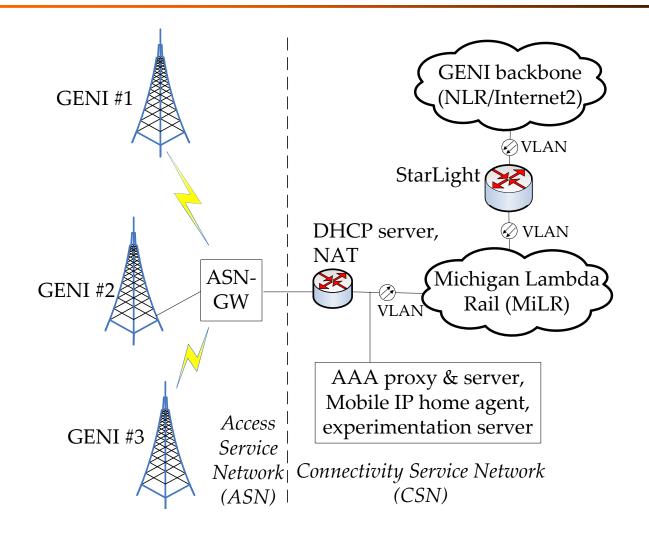


Deployment option #1: CS/Maccabees building

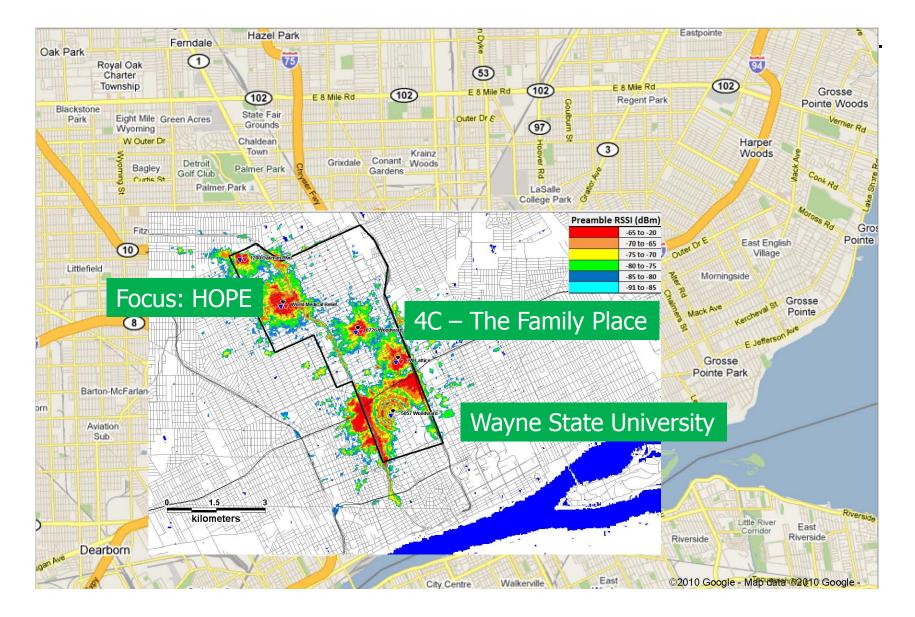
Detroit cultural center: museums, DIA I-75, I-94, M-1 New housing development Low-income communities (further north) WSU main campus I-94, M-10 Student housing WSU Medical campus, DMC I-75, M-1 Student housing New housing development

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Deployment option #1: system architecture



Deployment option #2 & extension plan



Issues/chanllenges to be resolved

- 2.5GHz band range is used up in Detroit
 - Limited duration of spectrum loan from Clearwire
- 3.65 GHz operation
 - Typical coverage range?
 - Compatible client devices?
 - Intel 6250 supports 3.65GHz
- Installation cost?