Infrastructure is made of ROCKS!

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1. ROCKS CRUCIAL FOR INFRASTRUCTURE
2. NEED LOCAL
3. GEOLOGY -> QUALITY OF ROAD
AGGREGATES = STONE, SAND & GRAVEL USED FOR CONSTRUCTION
FHWA: Wherefore Art Thou Aggregate Resources for Highways?

US Geologic Survey: Minerals Information

NSSGA: Aggregates Map
Quarries:
Why So Many?
Why So Big?
Why HERE?

Answer: Geology
ROCK -> ROAD
US Geologic Survey -> MAPS, SOURCE, TEST
FHWA, State Departments of Transportation-> MIX
  –Available sources
  –Traffic & weather
Aggregates + Petroleum = Asphalt

Aggregates + Cement + Water = Concrete
QUARRIES: LAND USE AND LONG-TERM BENEFIT
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2. GEOLOGY -> QUALITY OF ROAD
3. LONG TERM BENEFIT