**Transportation Infrastructure, and Air Quality Small Advisory Group Meeting Notes – 7.17.17**

Technology, Air Quality, and Infrastructure Discussion

* Infrastructure should be fine if growth is close to current projections
  + Growing concerns over aging infrastructure
* Electric utility – electric vehicle charging, overlay this charging with congestion
* What can we do to shift vehicles to electric? Workplace, home, driving? Hookups in parking lots at POM
* Dropoffs for autonomous/rideshare
* Make it pleasant/easy not to drive. How do we make this a friendly environment?
* What are the right roads for new tech/drop-offs/complete streets? Use this area as an example to start.
* What NOT to do: soundwall, tunnels, office tower w/ parking
* Urban design – people would walk more if done correctly.
  + Trees/sidewalks, employer policies, plazas ease of access, social, end product -> micro
  + Parking – seas of parking impact walking environment/willingness to walk.
  + Town centers serve as refuges that can shorten commutes
  + Amenities make it nicer to walk. Turn design into culture, regional feel
* Each city has zoning, but it is primarily changed by developers, hard to plan for
  + Policy decisions are incredibly important, happens on the local level
* Speed issues: fast regional, slow local. Leads to congestion on regional.
* Retail future: online? Changing dynamics makes it hard to plan.
* Trends: sharing technology, mobility as a service, autonomous vehicles.
  + Need flexibility since uncertain. How do we plan for this?
* V/C right metric? How do we reframe? Do we need to turn everything green in these models?
  + Reliability, choice, consistency, accessibility
* Firms not spooked by congestion. Air Quality might be impacting this.
* Movement of goods: drones? Shipping? Non-traditional delivery methods, gliders, small vehicles
* Greenbikes: Amsterdam example? Overlay for this, encourage this. Employee fleet.
* Solar roads? Sidewalks? Integrate into everything
  + Lehi: plan to put electric chargers throughout, solar is not cheap as it should be.
* Electric bus circulators near jobs. Green grid circulators fill in first/last mile issue
* Reliability as metric -> drives changes, fast-> slow, then transit becomes a stronger option
  + Design for this. It’s hard to set aside land, we need to do it at the start. We need to include active transportation, solar, transit, bike, etc. at first rather than retrofitting later when it’s much harder.
  + How can we frontload the planning of infra. and facilities? Better to get it right first.
  + Corridor preservation can’t be used for transit. Corridors for greenspace?
* Air Quality: what is the impact of gravel industries? Revegetation?
  + Local: dust, regional: other, systemic: cars
  + Technology + design need to address this + help building emissions
  + Efficiency of transportation and air quality, how to deliberately plan?
* Recruiting national research center
  + Energy research? Battery solutions, economic and research driver
  + Barrier: not in national/state legislative plans -> ask for a budget from groups to help fund this
* Light manufacturing along SR-92. Live/work/play?

Meeting-wide wrap-up:

* East-West
  + 90th not as amazing as a freeway, any way to make room for collectors/arterials along other corridors?
    - Grids for better connectivity, including bike and ped traffic
* North-South
  + Regional growth, Westlake commuter transit, Lehi main
  + Get another arterial through river area and tie into grid. Environmental concerns.
  + Connect to State Street in SLCo?
  + Electrifying and double-tracking increases FR capacity up to 10x.
  + More connectivity, more mixed-use, regional mixed-use jobs with interspersed housing
  + Treat trails and transit like roads at the funding and planning level
  + Bicycles need to be overlaid on area. Cluster people next to their jobs and make it easier to bike to work. Electric bikes help with commutes.