

Downtown Davidson Community Engagement
June 2022

Problem: Parking spots are being used for things other than parking

How might we reduce delivery/rideshare driver circling?

Initial List of Ideas

- Use alleys + back entrances for deliveries to back of the store at designated times
- Drone deliveries, robot deliveries from offsite parking lot
- Consolidated pick-up locations (Amazon packages, other deliveries)
- Designated rideshare parking spots (similar to airports)
- Library parking lot all handicap spots
- Use a self-driving shuttle that is available to pick people up from all Main St + local businesses
- Create underground parking garages
- Have free golf carts + bikes available around town
- Only pick-up/drop-off and 15 minute parking on Main St
- Only longer term parking on Jackson St
- Blimps that act as a taxi service, dropping people off on rooftops of buildings
- Hyperloop train using pneumatic tubes
- Elevated light rail

Deeper dive on 1 idea from above:

- Main St used only for pick-up and drop-off
 - Underutilized parking lots become dedicated delivery Hubs (offer pedicab delivery from Hub)
 - Have self-driving shuttle from remote parking lots
 - Include lots of physical and digital signage indicating how long the walk is from the parking lots (how many steps and calories burned)
 - Offer tax credits to residents for reduced carbon footprint
 - Create a revenue share with the pedicab company
 - Explore partnership/revenue share with other parking lot owners (Earthfare, Methodist Church, Davidson Baker Lot)
- Things to consider
 - Need police enforcement
 - Have to put sensors in parking lots to showcase how much parking available
 - Need pedicab drivers and must maintain
 - High cost of self-driving shuttle and maintenance

How might we use real-time data to ease parking challenges?

Initial List of Ideas

- Physical red light/green light sign to showcase availability of spaces (similar to parking garages)
- Offer an app that shows availability of parking spaces in each lot

- Have timed lots — shorter time limits closer to Main St and longer time limits away from Main St
- Use an app or some other mean of capturing people who can't find parking
- Offer valet parking downtown via car vending machine
- Cars with more passengers can park closer to Main St (similar to HOV lane pricing)
- Variable parking lot costs — as parking lot fills up, costs go up
- Shared parking spaces for uses with varying times — businesses can “rent” for blocks of time

Deeper dive on 1 idea from above:

- Times lots using different zones (shorter time limits close to Main St and longer the further away from Main St)
 - Add digital signage and an app that shows availability in each parking lot
 - Work with downtown businesses to identify different parking zones
 - ID delivery only zones for use by delivery trucks and rideshare pick-up/drop-off
 - Need to enforce with ticketing if you exceed time limit

How might we create a local logistics hub?

Initial List of Ideas

- Pave triangles by DFD up to Pickled Peach for deliveries
- Make Depot St a one-way delivery area
- Use front of Town Hall/Police Dept for deliveries
- Use wide spot in front of Mandolino's for delivery
- Create pull off spot by Deal House for deliveries + rideshare
- Develop more alleys behind businesses and residences
- Use drones for delivery
- Coordinate multiple deliveries + customers
- Pass ordinances restricting times, days and locations for delivery
- High speed underground chute with tunnels for deliveries
- Coordinate deliveries to capitalize on times businesses are closed
- Readers @ Town entrances notifying drivers when they can/cannot deliver goods
- Only allow early or late night deliveries - schedule on particular days to capitalize on days when fewer businesses are open (ex: Mondays)

Deeper dive on 1 idea from above:

- Designated zones for delivery, pick-up and rideshare
 - Consider front of Town Hall by front door — add benches and shelter
 - Access rideshare technology and advise drivers where rideshare pick-up and drop-off zones are and restrict them to use only those in downtown or business areas
 - Designated areas could be: Town Hall, South Main, Deal House, The Hub

How might we make rideshare the ideal way to commute?

Initial List of Ideas

- Add incentives - free appetizers and food, reduced costs, gift cards
- Get rid of ALL spaces downtown for public parking
- Connect it to a dating app where you and your date ride together
- Davidson specific continuously available rideshare with local drivers (trolley or van, big golf cart)
- Make parking more expensive - fluctuating prices based on busy times
- Use social media to coordinate similar destinations and ride together
- Have continuous pickups in outer parking lots that go to specific destinations
- Increase parking capacity further from downtown
- Pay for last mile concept — free uber if you are taking it to a bus stop

How might we implement an off-hour delivery program?

Initial List of Ideas

- Create Amazon locker style drop-off lockers in the back of businesses
- Incentivize business owners to accept off-hour deliveries
- Designate Main St pick-up/drop-off location
- Use robots, drones, pedicabs for deliveries to business
- Use conveyor belts, tubes to deliver packages
- Create an elevated bridge for pedestrians and bike deliveries that originate from parking lot outside of downtown
- Offer a Town-run logistics service that businesses can opt into
- Pay Davidson College students to accept night time deliveries for local businesses (Night Cats!)