

---

# Driving better data collection for improved asset maintenance and decision making

Eric Bodden – Harry Reid International Airport






# Improvements to Mobile

- Recap of 4 years ago (FEB 2017)
- What have we done since?
  - Rollout to all shops
  - Require use of the start & stop timer
  - Require logs for all Corrective Maintenance work orders
  - Improved spare parts lists for technicians
- Why did we do it and what did it drive?



# Asset Collection Project

- How did we go about the asset collection process?
- 19,411 assets created in 2019
- All assets updated (an additional 34,000)
- Information Collected
  - Location (GIS Coordinates, all assets have GIS pins now)
  - Model, manufacturer, install date
  - All assets are now barcode labeled for identification
  - Classification specifications
  - Images
  - Manufacturer documentation where possible




## How did this improve our asset maintenance program?

- Improved preventive maintenance program by knowing exactly what was out there
- Improved scheduling by reducing break in work
- Reduced surprise outages from equipment failure that was not being tracked



# How did this improve our decision making?

- Better prioritized asset maintenance
- PM program benefited by Pm to CM ratio
- Lower priority deferred maintenance



# How did this help us during the downsize of 2020?

What happened:

- No more 24/7 warehouse
- Reduced labor force due to COVID
- Lost revenue due to air traffic

How we were able to manage:

- Weekly warehouse deliveries
- Reduced amount of warehouse “shopping”
- Improved PM program helped with reduced labor force



# Questions