



HOTEL
MONTE VISIT

Flagstaff Airport



Airport Drainage Plan Improvements





Airport Drainage Plan Improvement



- Federal Aviation Administration Advisory Circular and the Federal Water Pollution Control Act advises;
 - design and construction of airport drainage systems
 - and subsurface drainage systems for paved runways, taxiways, and aprons
- Airport Environmental Planning/Mitigation Project Requirements;
 - Conduct Drainage Study - 1992 Drainage Study completed; new plan needed for future projects



Airport Drainage Plan Improvement

- ADOT Grant to provide \$350,000 (90%) and City match (10% for total project costs of \$388,889 for Drainage Plan
- Upcoming projects planned on airport, such as new hanger tenant projects, terminal airport apron expansion, snow removal equipment building, extension of JW Powell to Lake Mary Road
- JW Powell from Pulliam Drive to Lake Mary Road will run adjacent to the Airport storm water runoff area
- Extension of JW Powell is important to the future of ground transportation for Flagstaff



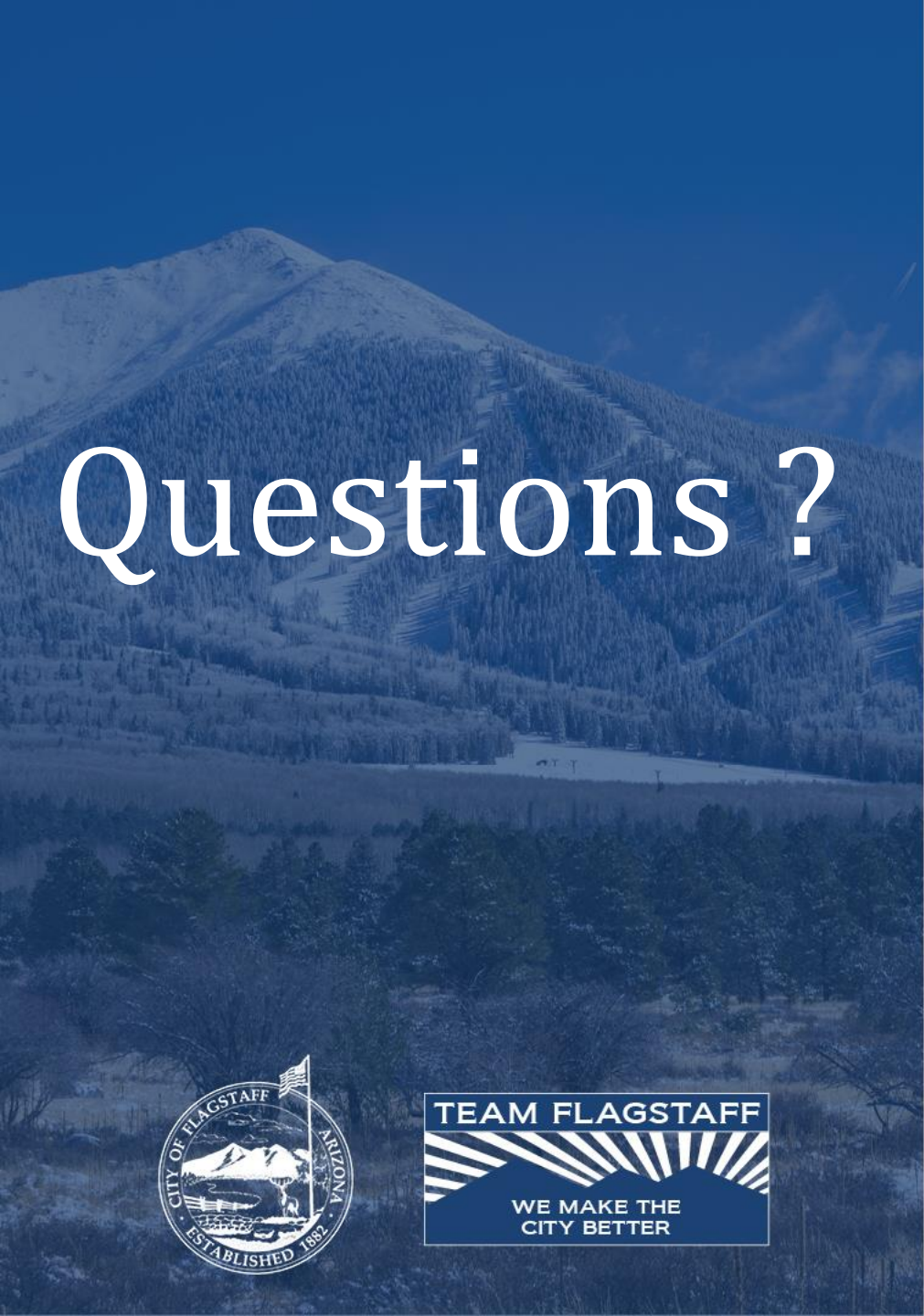
Project Scope

- Project Objectives
 - Analyze the Airport's existing storm drainage system, to develop and prioritize future improvement projects.
 - Generate recommendations to drain the site more effectively.
 - Reduce site ponding which attracts wildlife and poses a risk to Airport operations.
 - Generate a two-dimensional hydraulic model that will compliment the City's current model.



Project Scope Continued

- Scoping items to meet objectives
 - Topographic survey of the airport property (795 acres including land within the two aviation easements).
 - Review / model stormwater entering, traversing through the property and exiting the property.
 - On-site visits to the validate existing infrastructure.
 - Review proposed improvements scheduled within property (i.e. JW Powell extension, SRE Building, secondary parking lot...).
 - Two-dimensional hydraulic modeling.



Questions ?

