



STORM WATER MITIGATION PROGRAM Proposed FY 2021 Project

*Infrastructure Services Department
July 26, 2021*

Storm Water Mitigation Program Current Projects

FY19 – Projects

Celeste Road Improvements

Fully Complete & in operation

Tornillo Detention Pond Project

75% Complete

Bailey Detention Ponds Project

45% Complete



FY20 – Projects

Fabens Dam Repairs Project

Pending TCEQ Approval

Upsala Road Low Water Crossing Project

In Bidding Process

De Alva Low Water Crossing Project

In Design Process

Chicken Farm Channel Project

In Design Process

O.T. Smith Water Crossing Project

In Design Process

Tornillo Handle Channel Project

In Design Process

Storm Water Mitigation Program FY 2021 Projects

Project Selection Criteria:

- Projects from the prioritized list from Storm Water Master Plan.
- Projects that have required repetitive responses from the Infrastructure Department staff (Road and Bridge).
- Projects that have less environmental impacts.
- Projects with access to County owned property to implement mitigation process.
- Projects that will have a financial impact to the County.

Storm Water Mitigation Program FY 2021 Projects

Projects Recommended for FY 2021 County funding:

- Celeste Detention Basin (SOC1)
- Bradley Detention Basin (Mon4)
- Chicken Farm Basin (Vin5)

Celeste Detention Basin Project

Milestone Actions:

- Obtain Consultant for Design Services
- Prepare Design Documents
- Bid Project
- Obtain Contractor to Build Improvements

Project Concept:

Create a new detention basin north of Celeste Drive in order to reduce the amount of water flowing downstream of this area.



Bradley Detention Basin Project

Milestone Actions:

- Obtain Consultant for Design Services
- Prepare Design Documents
- Bid Project
- Obtain Contractor to Build Improvements

Project Concept:

This property sits at the end of an arroyo with no outlet. The project would construct a large centralized pond to capture all the water that is flowing into this arroyo creating a safe location to collect the storm water running off of the Mountainside.



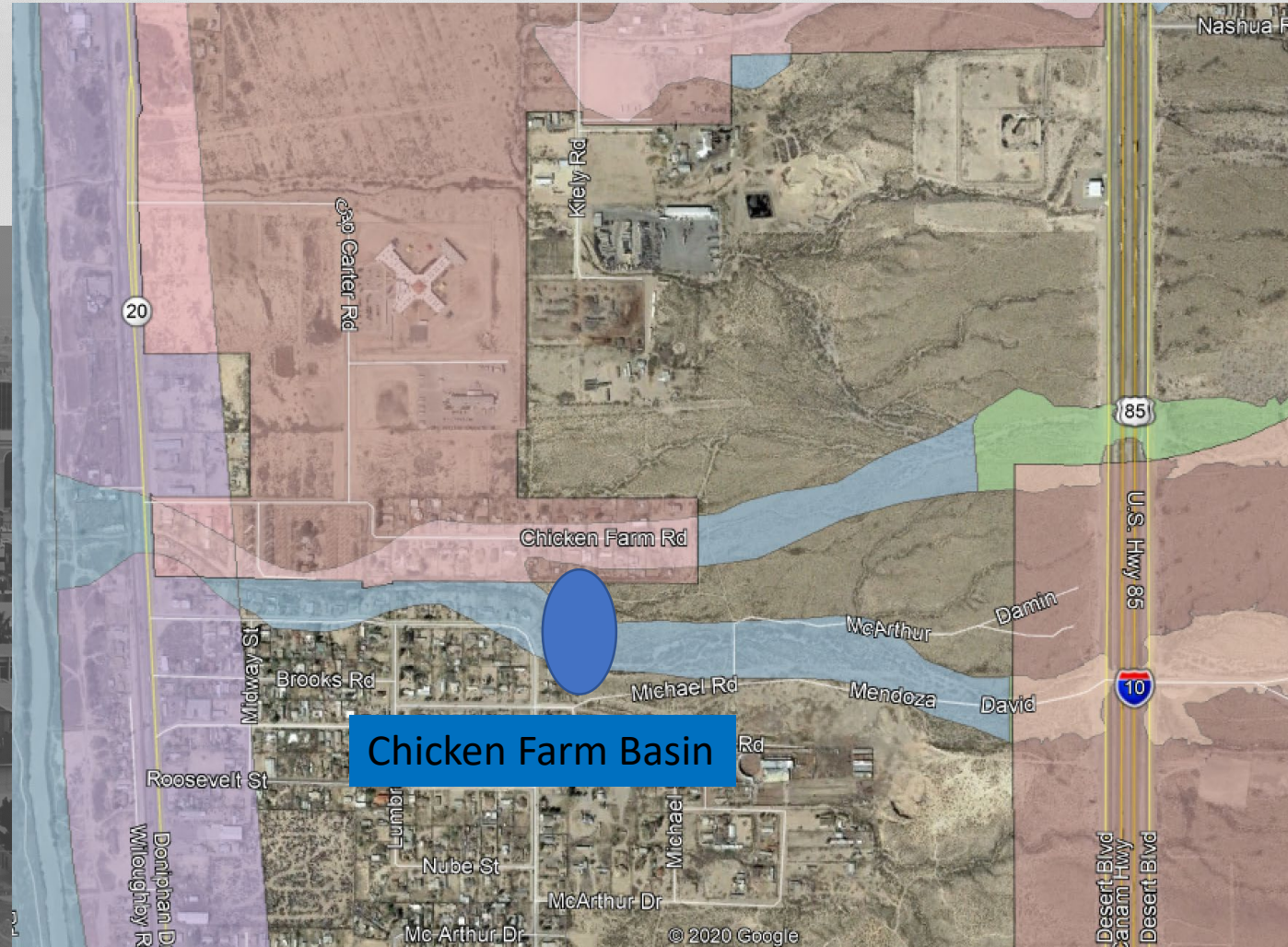
Chicken Farm Basin Project

Milestone Actions:

- Obtain Consultant for Design Services
- Obtain Permits
- Prepare Design Documents
- Bid Project
- Obtain Contractor to Build Improvements

Project Concept:

This collection pond would capture all the alluvial fans coming off of the mountain and desilt the materials and transfer into the newly constructed chicken ranch channel as part of fy20 projects.



Proposed FY 2021 Storm Water Mitigation Projects

Recommended Proposed Project:

- Celeste Detention Basin Project
- Bradley Detention Basin Project
- Chicken Farm Basin Project

Proposed Project Milestones:

- Solicitation for Design Firms: 5 Months
- Design Phase: 6-9 Months
- Permitting Phase: 3-6 Months
- Solicitation for Contracting Firm: 5 Months
- Construction Phase: 9-12 Months
- Closeout Phase: 3-5 Months

Estimated Project Cost:

\$4.5 M



Questions?