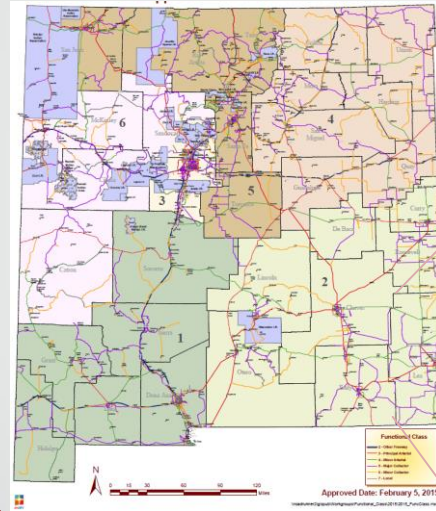


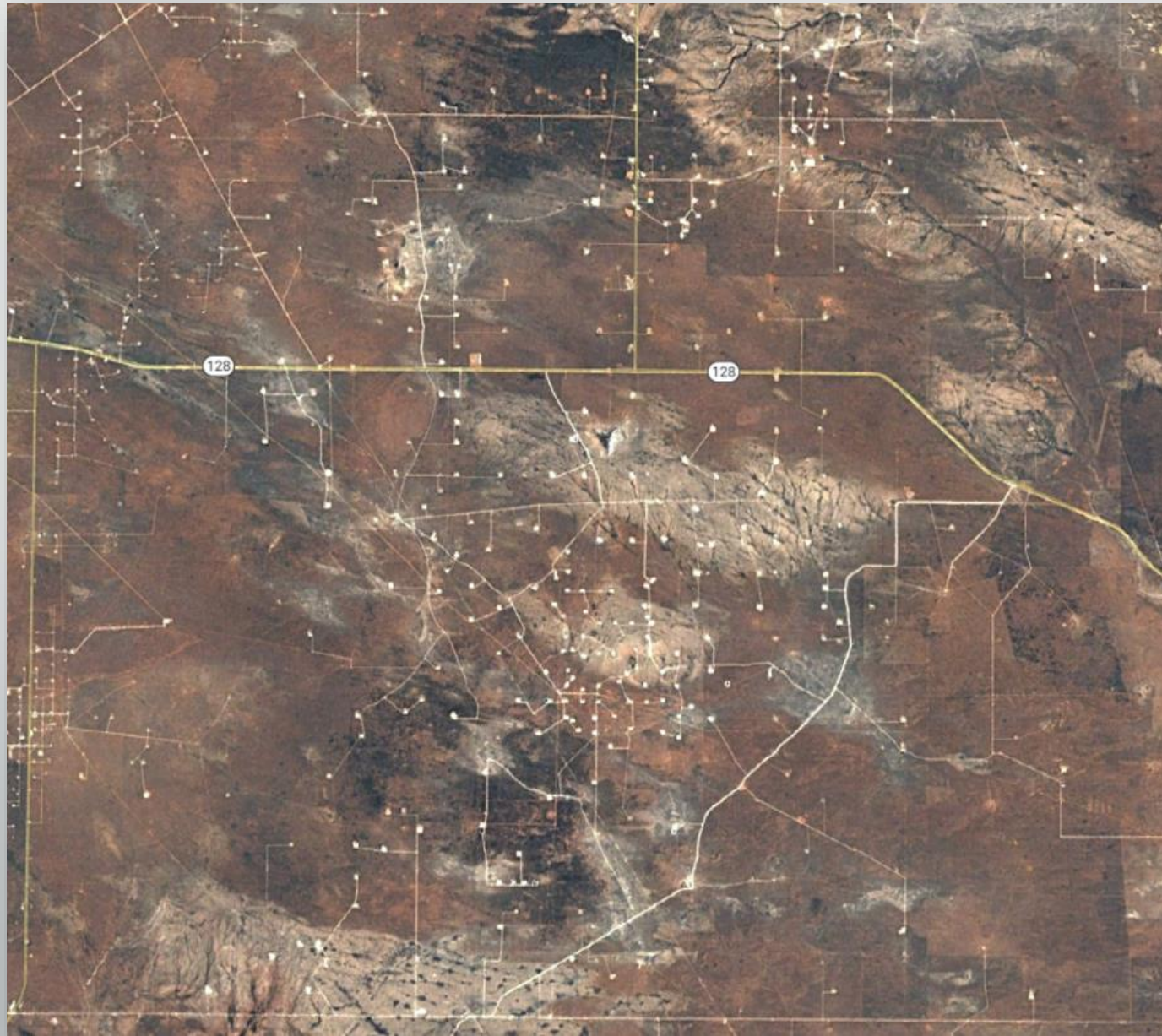
Energy Sector Roads in Lea County

Mike Gallagher
County Manager
October 4, 2021

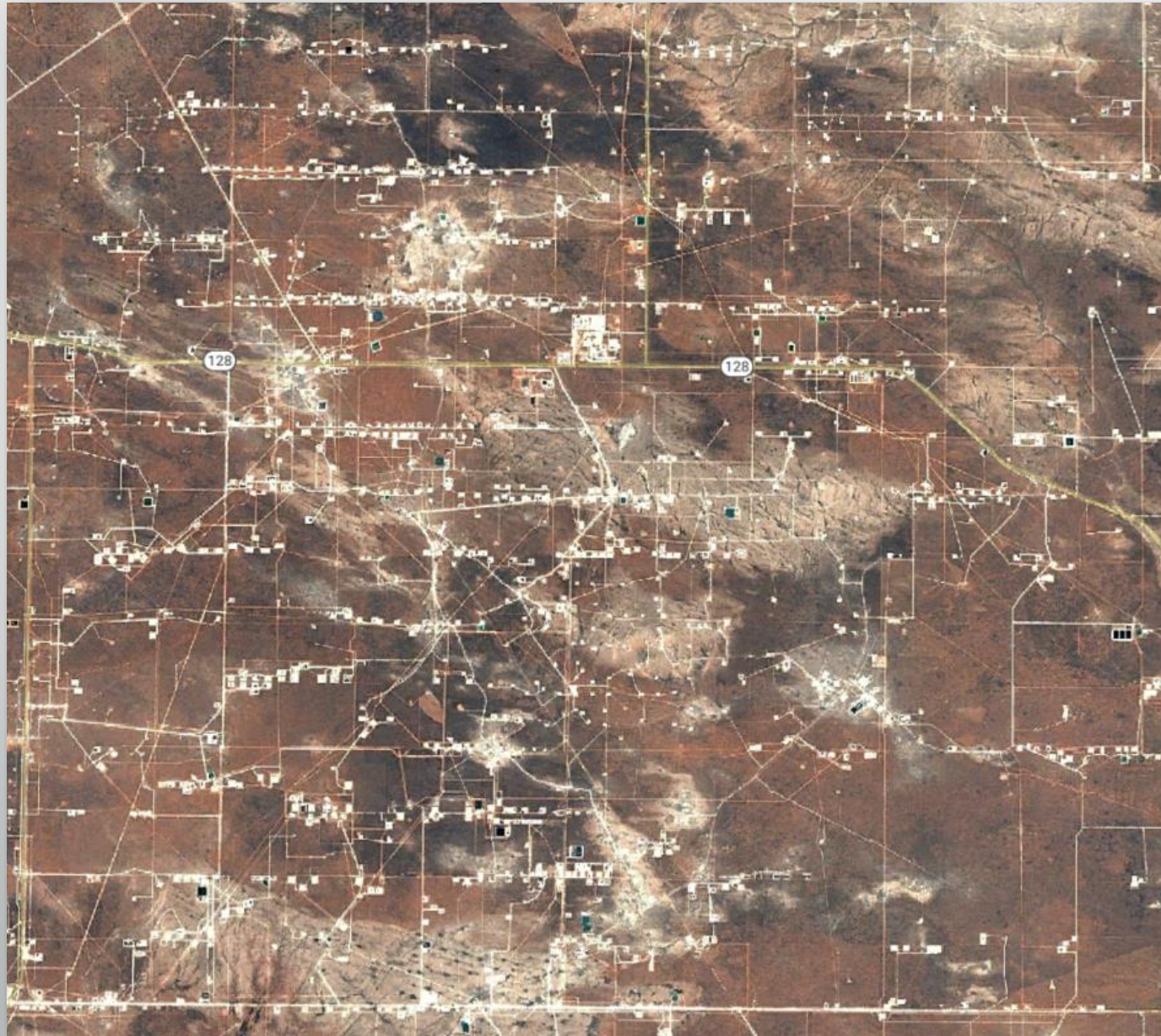
FHWA Approved Functional Classification



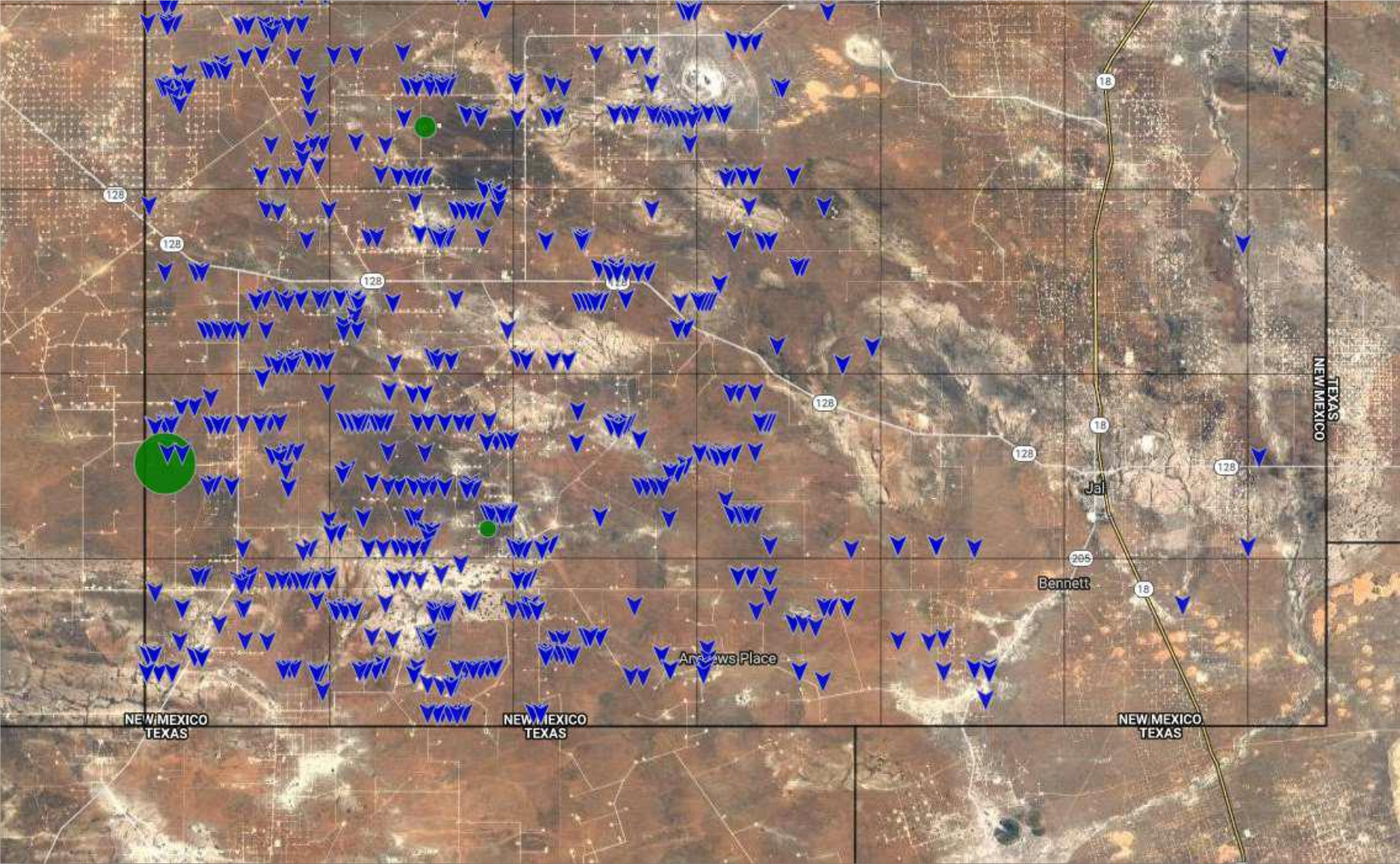
Delaware Basin Area in 2012 – Lea County



Delaware Basin Area in 2020 – Lea County



Current Permitted Drilling Permits in Lea County



Roadway Infrastructure in Lea County

Direct and Primary
County Roads for
Oil and Gas Use:

37.5%

Roads that
Provide Access
to Primary O&G
Roadways :

31.7%

Road that Do Not
Serve Oil and Gas:

30.8%

69.2%



Roadway Infrastructure in Lea County

Roads for Texas Energy Study (2013), TxDOT & Texas A&M estimated:

“Nearly 1,200 loaded trucks are needed to bring just one well into production –the equivalent to roughly 8 million cars. (TxDOT)”

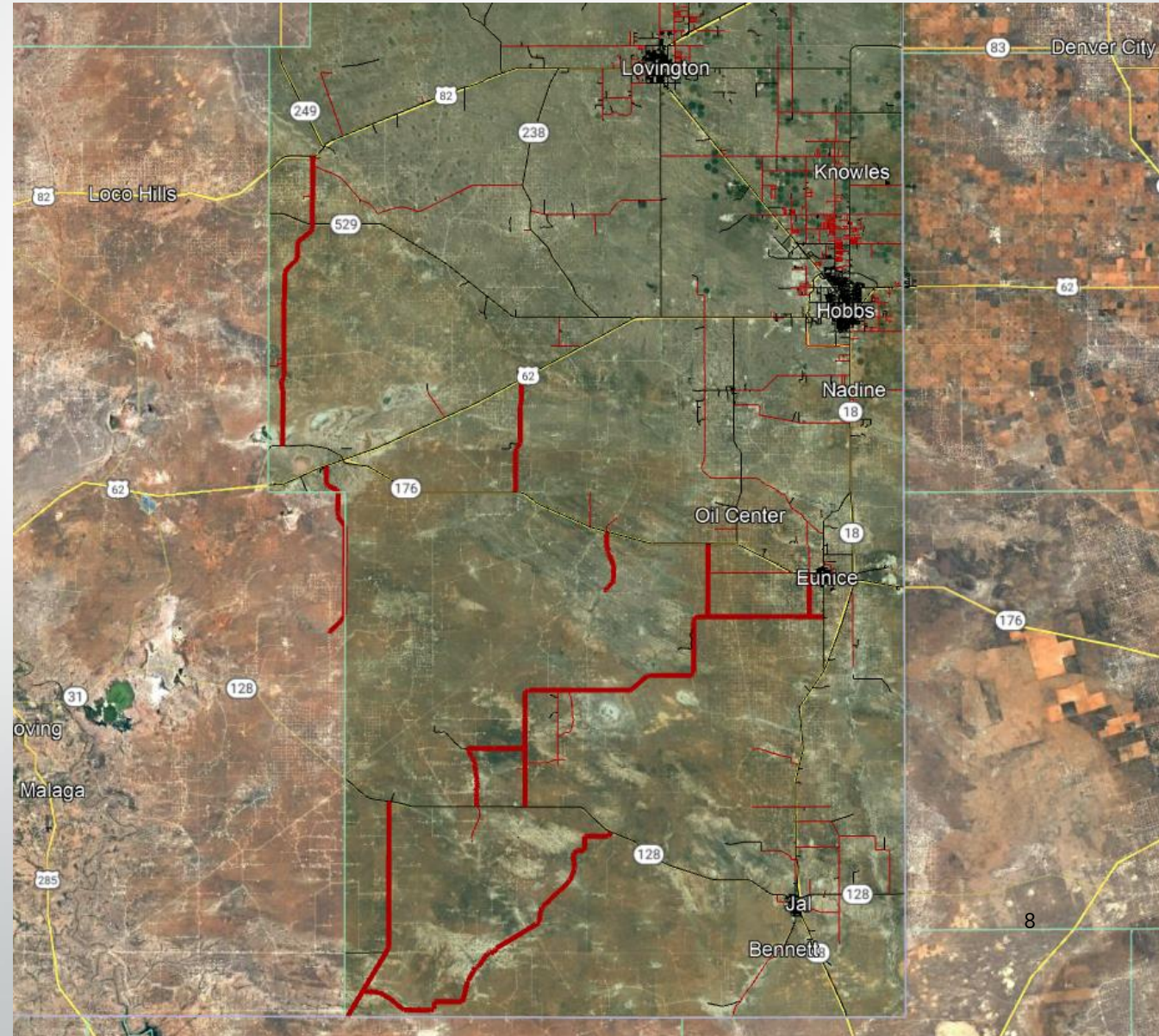
With changes in drilling technologies and the increase in length of the laterals, an estimated 2,500 loaded trucks are needed to bring a well into production today. This will be the equivalent ESALs of roughly 16,000,000 passenger cars per well.

It is estimated that over 6,000 wells will be completed in Lea County annually



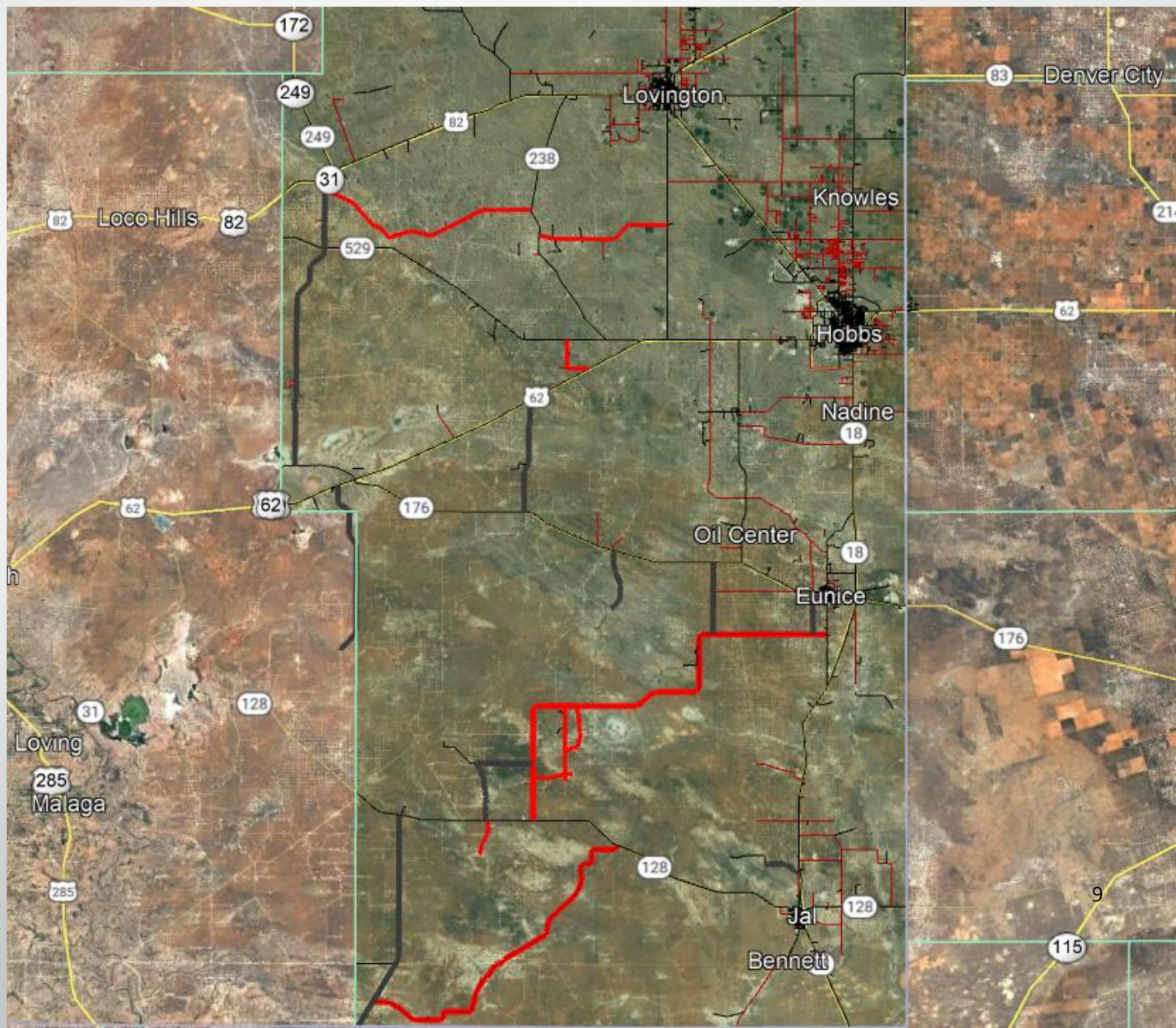
Energy Related Roadway Investment Since 2013

Roadway	Miles	Est. Cost
Marathon Road	8	\$ 2,640,000
Maljamar Road	21	\$ 7,140,000
Delaware Basin Road	33	\$ 11,220,000
Battle-Axe Road	25.4	\$ 9,525,000
Weaver Road	5	\$ 1,650,000
Orla Road	15.6	\$ 8,112,000
Brinnistol Road	4	\$ 1,320,000
XL Road	4.2	\$ 1,365,000
Legion Road	3	\$ 975,000
Campbell Road	12.5	\$ 4,187,500
Phillips Hill Road	2.6	\$ 871,000
Total Investment		\$ 49,005,500



Energy Related Roadway Investment Next 5 years

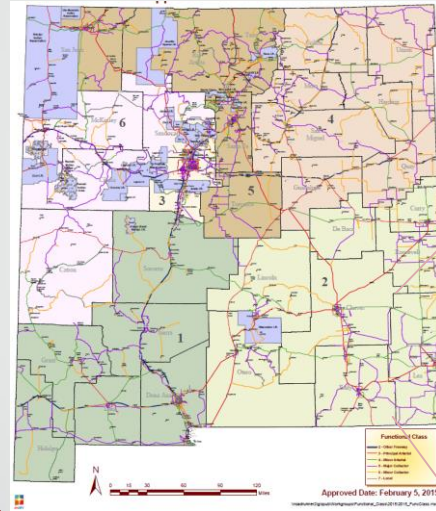
Roadway	Miles	Est. Cost
Antelope Ridge Road	5.2	\$ 2,054,000
Diamond Road	2.5	\$ 987,500
Pearl Valley Road	3.5	\$ 1,382,500
Mescalero Road	16.4	\$ 6,478,000
Buckeye Road	9.5	\$ 3,752,500
Battle-Axe Road (TOM overlay)	23.4	\$ 9,243,000
Shell Road	3	\$ 1,185,000
Adobe Road	4	\$ 1,580,000
Delaware Basin (TOM overlay)	33	\$ 5,940,000
Total Required Investment		\$ 32,602,500



Investment in Annual Maintenance for Energy Related Roadways

Time Period	Miles	Est. Cost
2013-2021	831	\$ 27,680,000
2022-2027	831	\$ 17,300,000

FHWA Approved Functional Classification



Questions.

Mike Gallagher
County Manager

575-605-6567

mgallagher@leacounty.net