

ESTIMATED COST:

Pavement for third traffic lanes and ramps	\$ 1,067,500
Pavement for right turn lanes and tapers	88,700
Paved shoulders (6' inside and 6' of outside)	746,500
Granular portion of shoulders (4' of outside)	134,900
Earth shoulder construction	32,900
Special backfill	73,600
Modified subbase	304,000
Class 10 roadway and borrow	312,300
Class 13 Waste	59,700
Longitudinal subdrains and outlets	118,200
Rumble strips	4,400
Removal of pavement	19,400
Traffic signal costs	300,000
Access road (class A stone)	16,400
Signing	130,400
Light pole removal	1,000
Culvert extensions	86,000
Erosion control	5,000
Temporary barrier rail	245,400
Temporary traffic signals	41,100
Temporary crash cushions	13,700
Temporary floodlighting	17,600
Traffic control, 5%	190,900
Mobilization, 5%	190,900
Right of way	150,000
Night work, during inside shoulder construction, 10%	372,000
Misc. and contingency, 30%	<u>1,416,800</u>
Total project estimate	\$ 6,139,300

SPECIAL CONSIDERATIONS:

This project will provide 4.0 additional lane miles to the primary road system.

The new and relocated traffic signals on IA 141 and side streets will be coordinated with the City of Grimes.

There are no bike paths or sidewalks adjacent to this project; therefore no ADA accommodations are planned in conjunction with this project.

It appears right of way will be required.

The Office of Location and Environment has reviewed this project and based on preliminary observations, has determined that a Nationwide 404 Permit will be required.