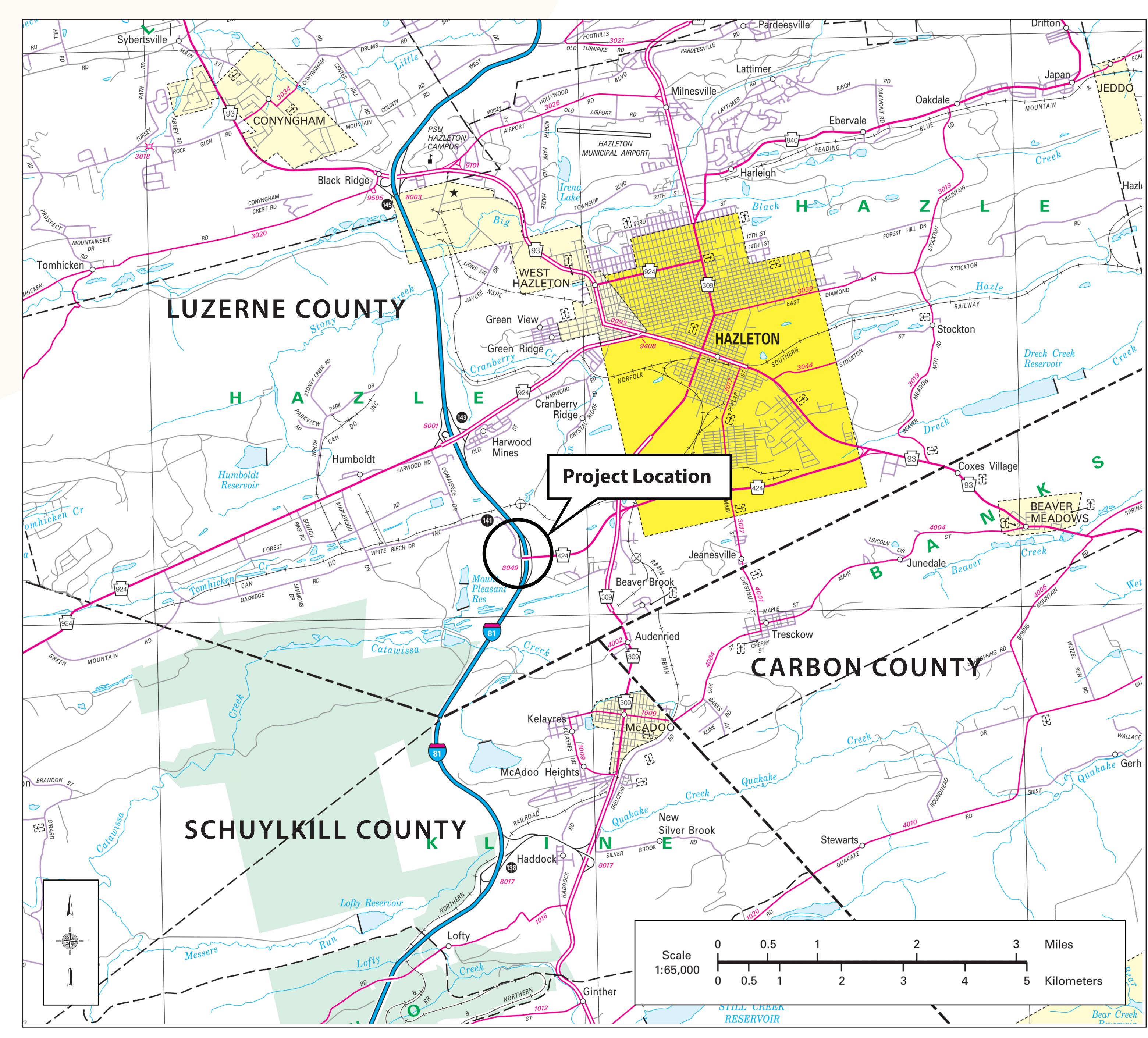
Project Location Map

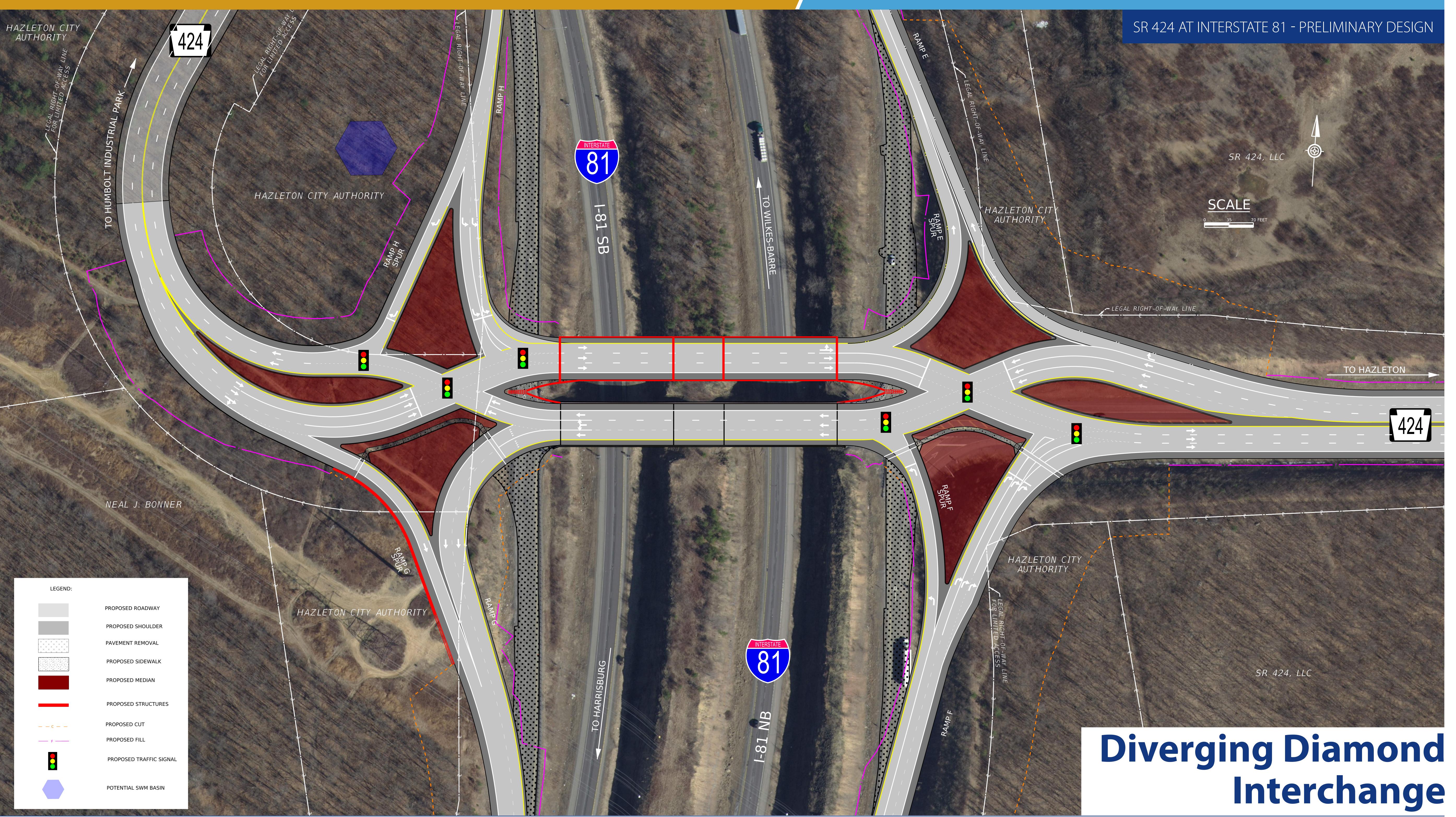
LEGEND

	TOLL
FULLY CONTROLLED ACCESS HIGHWAY Image: Control of the second	1010
OTHER ROAD	
INTERSTATE INTERCHANCE NOMBER	
UNITED STATES TRAFFIC ROUTE	\sim
PENNSYLVANIA TRAFFIC ROUTE	
RAILROAD (IN SERVICE)	
RAILROAD ABANDONED (TRACK RETAINED)	- - - -
STATE LINE	
TOWNSHIP LINE	
INCORPORATED CITY	
INCORPORATED BOROUGH	
STATE CAPITAL	· · · · · 😥
OTHER COMMUNITIES	
STATE POLICE FACILITY	★
STATE ADMINISTERED HISTORIC PROPERTY	-
FEDERAL / STATE INSTITUTIONS	
PennDOT FACILITY	
HORSE RACE TRACK	
HELIPORT	
WELCOME CENTER AND COMFORT FACILITY	?
STATE FISH HATCHERY	
STATE FOREST NATURAL AREA	
FEDERAL RECREATION SITE	
STATE PARK LAND / HEADQUARTERS	
STATE GAME LAND AND NUMBER	NO 315
STATE AND FEDERAL FOREST LAND	
FEDERAL PARK / RECREATION LAND	
FEDERAL RESERVATION	









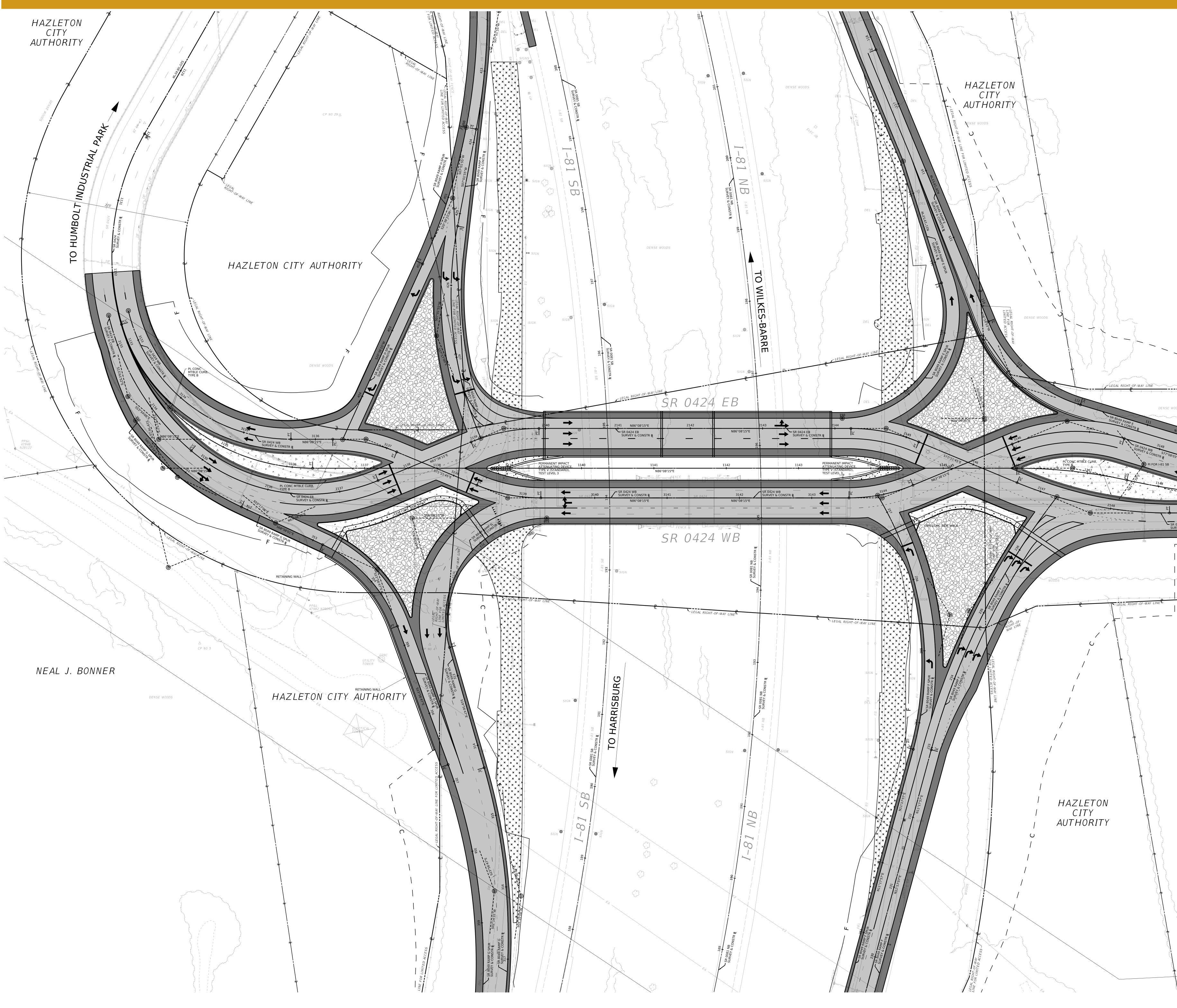
McCORMICK TAYLOR



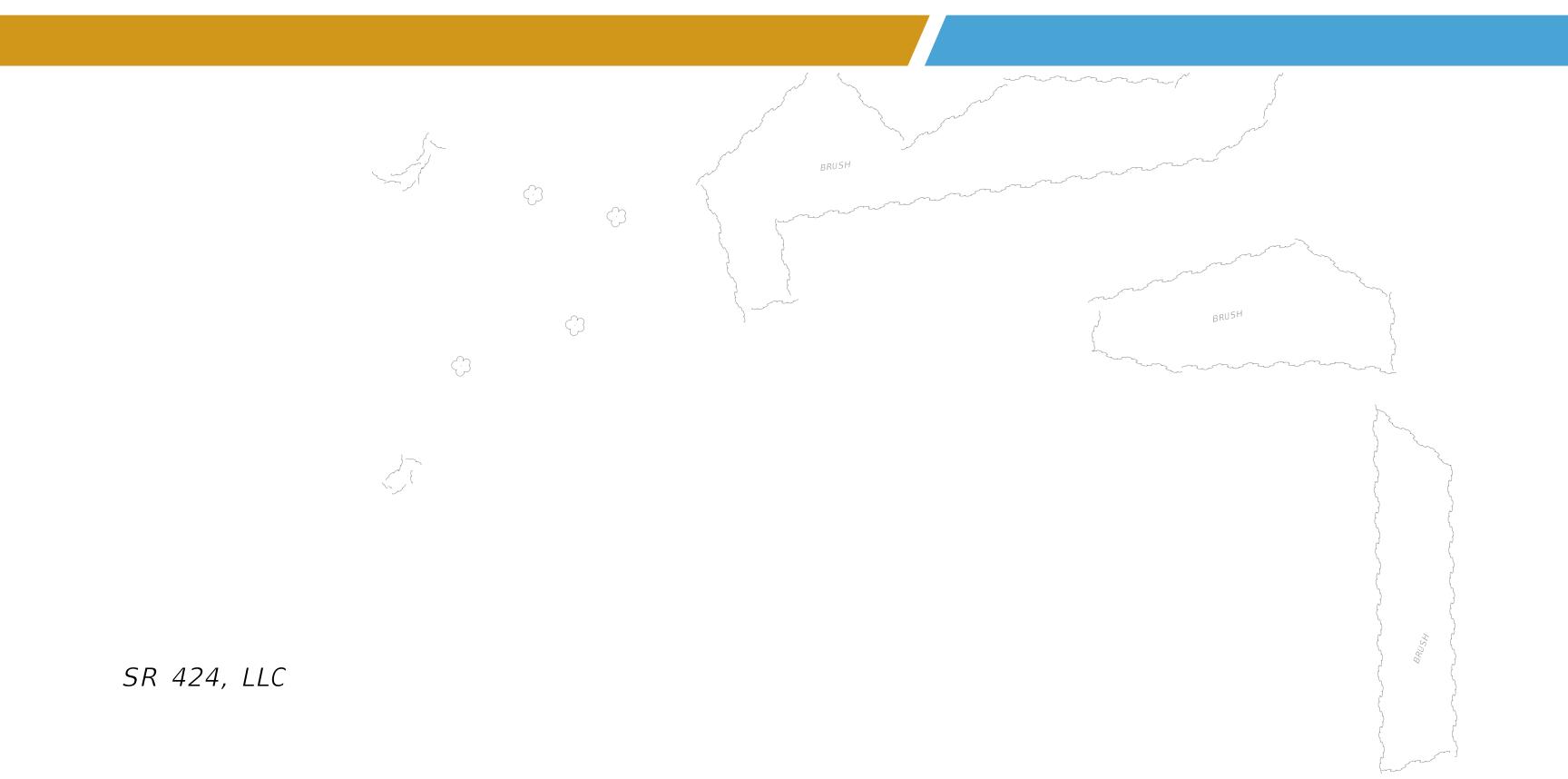












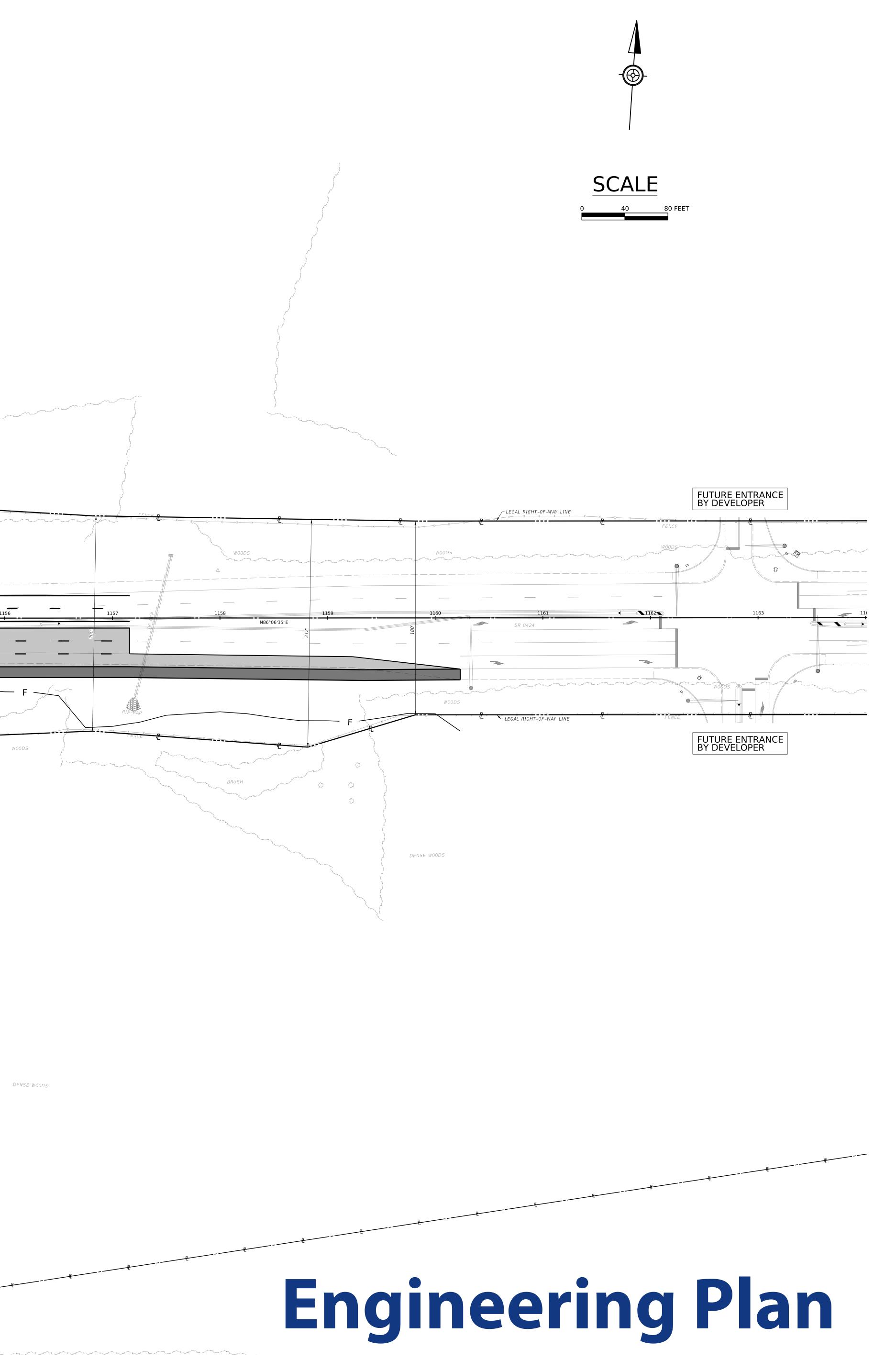
LINE CODS

SR 424, LLC

DEXAC #00.15

DENSE WOODS

SR 424 AT INTERSTATE 81 - PRELIMINARY DESIGN



How a Diverging Diamond Works

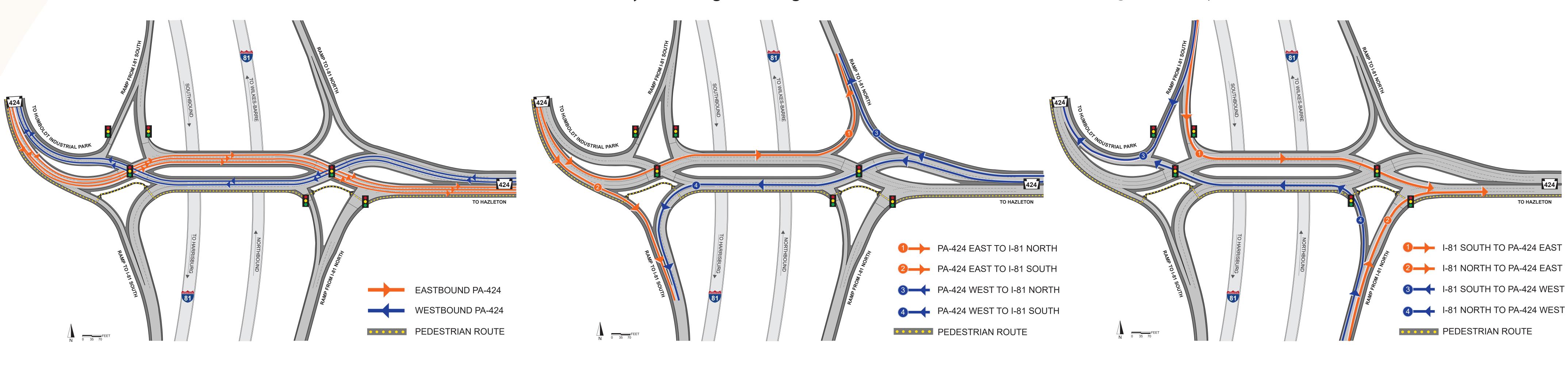
A diverging diamond interchange (DDI) is a unique form of a diamond interchange where the side road traffic (PA 424) crosses over to the left side of the road at a signalized intersection prior to the bridge over I-81. This allows for left turns to be made to/from the ramps without any through traffic conflicts. The side road (PA 424) traffic crosses back to the right side of the road at a signal beyond the bridge.

The DDI configuration has fewer signal phases and generally shorter signal cycle lengths than a standard diamond interchange configuration. The DDI provides more green signal time to each traffic movement, alleviating congestion. Additionally, the DDI's direct left turns reduce the number of conflict points (compared to a standard diamond interchange), which has been proven to reduce the number of crashes.

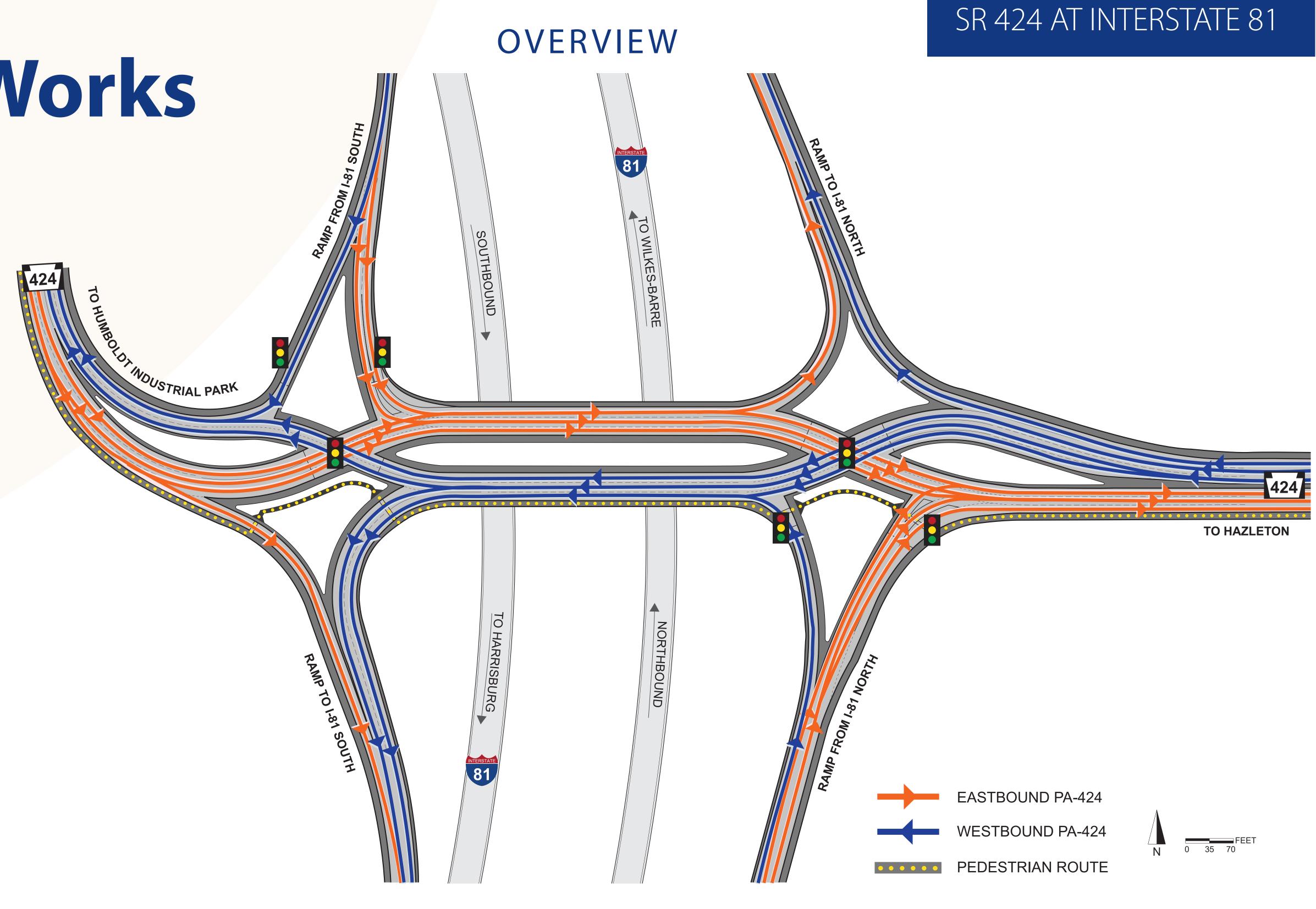
PA 424 THROUGH TRAFFIC

PA 424 traffic crosses over to the left side of the road at a signal prior to the bridge over I-81. Traffic then crosses back to the right side at a signal beyond the bridge.

McCORMICK TAYLOR







PA 424 TO I-81 MOVEMENTS

Traffic from PA 424 can turn right prior to the first signal onto an I-81 on-ramp (movements 2 & 3) or turn left immediately following the bridge (movements 1 & 4).

I-81 TO PA 424 MOVEMENTS

Traffic from the I-81 off-ramps can turn right at a signal directly on to PA 424 (movements 2 & 3) or turn left at a signal directly on to PA 424 (movements 1& 4).