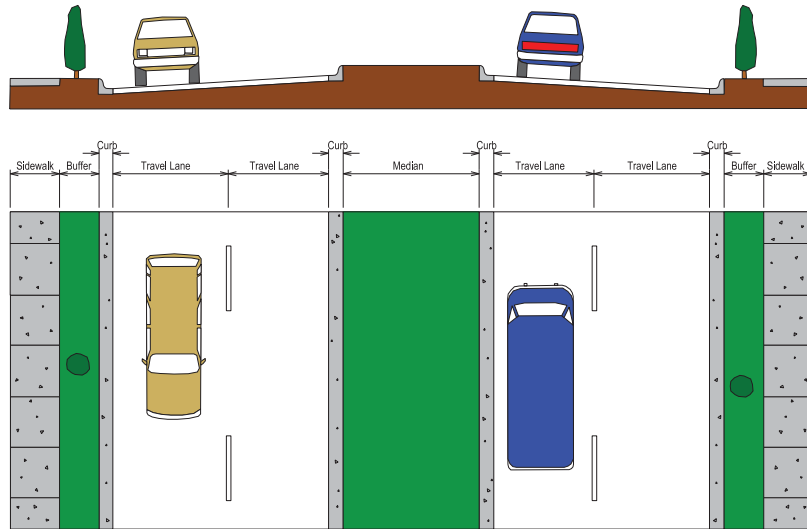


	FIGURE TITLE	LOCATION OF BUILD ALTERNATIVES	CLIENT	City of Maumelle	DATE	FEB 2011	PROJECT NUMBER
	DOCUMENT TITLE	I-40 Interchange Maumelle Environmental Assessment	LOCATION	Pulaski County, Arkansas	SCALE		FIGURE NUMBER
					DESIGNED BY		
					APPROVED BY		
					DRAWN BY		

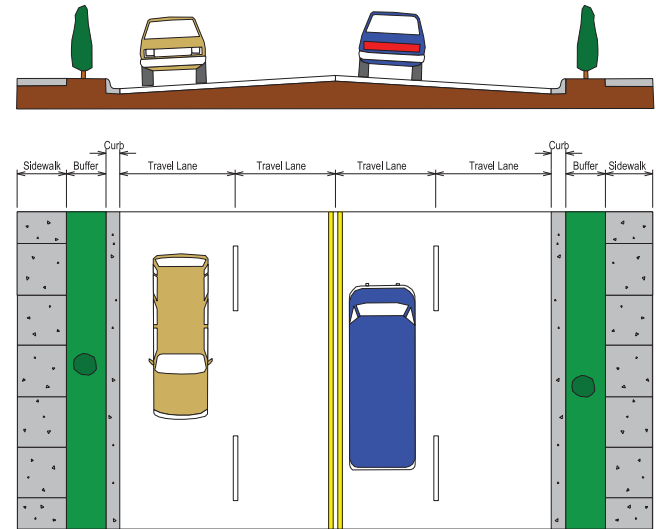
**Alternative Selection Matrix
I-40 Interchange (Maumelle), Job 061190**

Parameter Evaluated	Alternative 2	Alternative 3	No-Action	Alternative 1
Meets Project Purpose and Need	Yes	Yes	No Action	*
Public Support	10 written comments expressing support	7 written comments expressing support	None	
Wetlands	6.48 acres	2.35 acres	-	*
Floodplains	10 acres	6 acres	-	*
Section 404 Permitting	1 permit issued; 1 additional permit required	1 permit required (already issued)	-	*
Archeological Resources	5 recorded sites	3 recorded sites	-	*
Hazardous Materials	1 Underground Storage Tank @ Target Distribution Center	2 Underground Storage Tanks @ National Home Center; 1 Above-ground Storage Tank @ Richardson Plumbing Company	-	*
Impacted Noise Receptors	Noise Abatement Criteria B – 38; Noise Abatement Criteria C - 7	Noise Abatement Criteria B – 7; Noise Abatement Criteria C - 34	-	*
Noise Mitigation	Barrier 12' high and 2,386' long; \$712K	None Required	-	*
Social Impacts	Supports school traffic	Supports Maumelle Diamond Baseball Complex traffic	-	*
Potential Relocations	None	None	-	*
Estimated Total Construction Costs	\$58.7 Million	\$40.9 Million	-	*

*NOTE: Alternative 1 has been eliminated from further consideration.

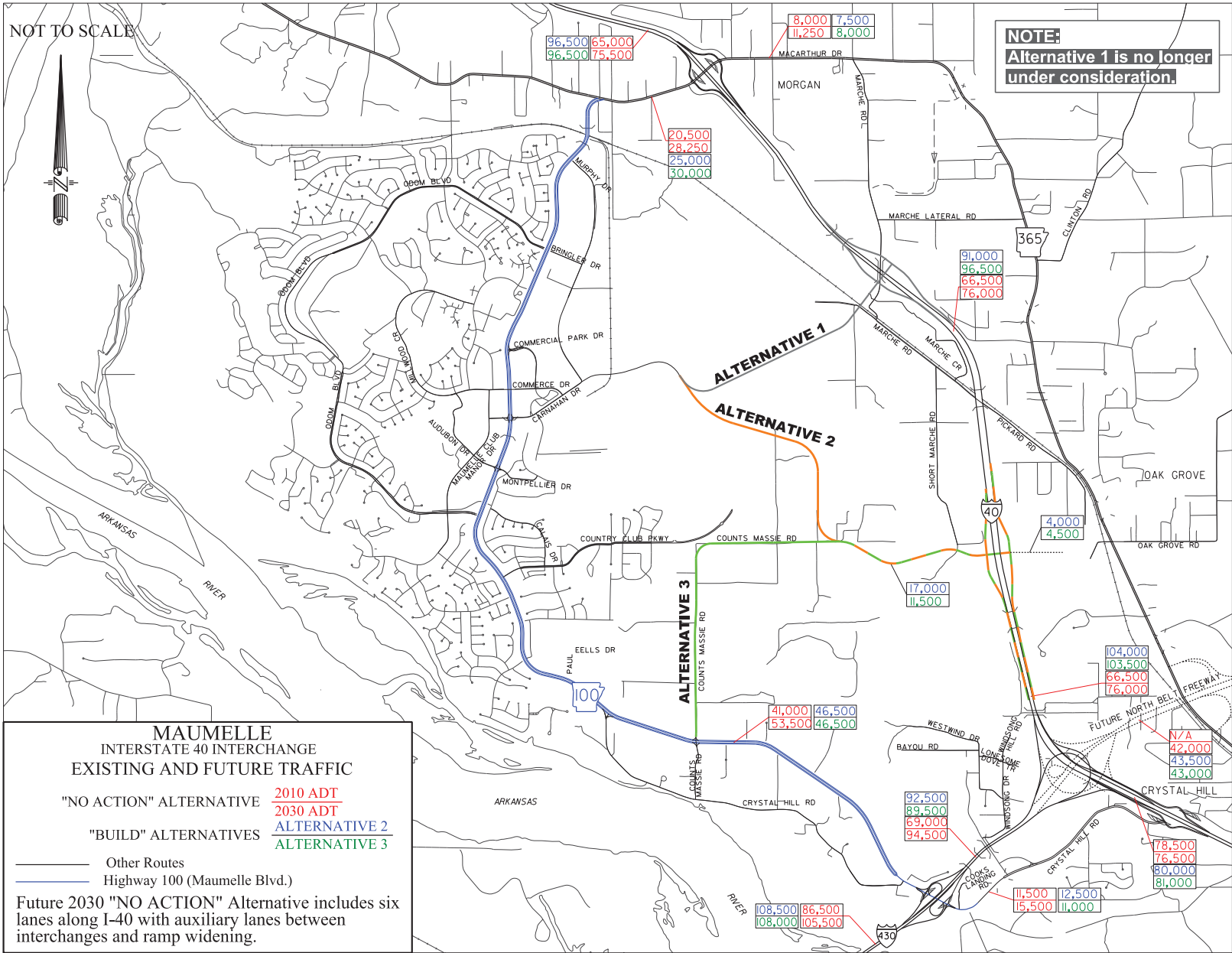


TYPICAL SECTION FOR NEW ROADWAY



**TYPICAL SECTION FOR WIDENING
EXISTING ROADWAY**

P:\TUL\CVN\407086000_Maumelle\Inter.chg_DESIGN\CAD\Traffic.dgn\PULASKI TRAFFIC 2.dgn



NOT TO SCALE



NOTE:
Alternative 1 is no longer under consideration.

MAUMELLE INTERSTATE 40 INTERCHANGE EXISTING AND FUTURE TRAFFIC

Scenario	2010 ADT	2030 ADT
"NO ACTION" ALTERNATIVE	2010 ADT	2030 ADT
"BUILD" ALTERNATIVES	ALTERNATIVE 2	ALTERNATIVE 3

Other Routes
Highway 100 (Maumelle Blvd.)

Future 2030 "NO ACTION" Alternative includes six lanes along I-40 with auxiliary lanes between interchanges and ramp widening.

96,500 65,000
96,500 75,500

20,500
28,250
25,000
30,000

8,000 7,500
11,250 8,000

91,000
96,500
66,500
76,000

4,000
4,500

17,000
11,500

104,000
103,500
66,500
76,000

N/A
42,000
43,500
43,000

92,500
89,500
69,000
94,500

78,500
76,500
80,000
81,000

108,500 86,500
108,000 105,500

11,500 12,500
15,500 11,000

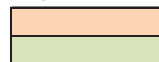
MAUMELLE INTERSTATE 40 INTERCHANGE

FREEWAY MAINLANE LEVEL OF SERVICE ANALYSIS FOR THE “NO-ACTION” AND “BUILD” ALTERNATIVES BASED ON HIGHWAY CAPACITY MANUAL FREE-FLOW CONDITION ANALYSIS

	Description	NO ACTION ANALYSIS						BUILD ANALYSIS				
		2010 NO ACTION (I-40 Four-Lanes)		2030 NO ACTION (I-40 Four-Lanes)		2030 NO ACTION (I-40 Six-Lanes)		Alternative 2 <i>I-40 Six Lanes & Camahan/Murphy Four-lanes</i>		Alternative 3 <i>I-40 Six Lanes & Counts Massie Four-lanes</i>		Alternative 1
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	
I-40 / Hwy 365 Interchange	EB flow west of interchange	D	C	E	C	D	B	D	B	D	B	*
	EB flow east of interchange	D	C	E	C	D	C	D	B	D	C	*
	WB flow east of interchange	D	D	D	E	C	D	C	D	C	D	*
	WB flow west of interchange	D	D	D	E	D	D	D	D	D	D	*
I-430 / Hwy 100 Interchange	SB flow north of interchange	B	B	C	C	B	B	B	B	B	B	*
	SB flow south of interchange	C	C	D	C	D	C	D	C	D	C	*
	NB flow south of interchange	C	C	C	D	C	D	C	D	C	D	*
	NB flow north of interchange	B	B	C	C	B	B	B	B	B	B	*
Proposed Interchange	EB flow west of interchange							D	B	D	C	*
	EB flow east of interchange							C	B	C	B	*
	WB flow east of interchange							C	C	C	C	*
	WB flow west of interchange							C	D	C	D	*
I-40 / I-430 / North Belt Interchange	EB flow west of interchange	D	C	E	C	C	B	C	B	C	B	*
	EB flow east of interchange	E	D	E	D	C	C	C	C	C	C	*
	WB flow east of interchange	E	E	E	E	C	C	C	C	C	C	*
	WB flow west of interchange	D	D	D	E	C	C	C	C	C	C	*
	NB flow south of interchange	C	D	D	E	B	B	B	B	B	B	*
	SB flow south of interchange	C	C	E	E	B	B	B	B	B	B	*
Highway 100 (Maumelle Boulevard)	EB flow west of the I-430 Interchange	F	C	F	D	F	D	F	D	F	D	*
	EB flow east of the I-430 Interchange	A	A	B	B	B	B	B	B	A	A	*
	WB flow west of the I-430 Interchange	B	E	C	F	C	F	B	E	B	E	*
	WB flow east of the I-430 Interchange	B	B	B	B	B	B	B	A	B	A	*

*NOTE: Alternative 1 has been eliminated from further consideration.

LEGEND:



LOS based on Free-Flow condition analysis only. Field observations indicate Breakdown n/Forced-Flow conditions with the actual operations being at LOS E / F.
 LOS change between the 2030 NO ACTION and BUILD Options

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT

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This notice is available from the ADA/504/Title VI Coordinator in large print, on audiotape and in Braille.