

DEVELOPMENT OPTION II

LEVEL OF SERVICE SUMMARY

MONTGOMERY MASTER PLAN ROADS
MONTGOMERY TOWNSHIP, SOMERSET COUNTY
MRA Job N° 01-158

2013 FUTURE FULL BUILD OUT

DEVELOPMENT OPTION 2

ROUTE 518 & ROUTE 206

			AM PSH		PM PSH	
			<u>DELAY</u>	<u>LOS</u>	<u>DELAY</u>	<u>LOS</u>
EB ROUTE 518	THRU		18.9s	B	22.2s	C
WB ROUTE 518	THRU-RIGHT		24.5s	C	19.2s	B
NB ROUTE 206	THRU-RIGHT		21.5s	C	40.1s	D
SB ROUTE 206	THRU		42.3s	D	27.3s	C
INTERSECTION	OVERALL		29.2s	C	28.5s	C

MASTER PLAN ROAD / PRINCETON NORTH SHOPPING CENTER & ROUTE 206

			AM PSH		PM PSH	
			<u>DELAY</u>	<u>LOS</u>	<u>DELAY</u>	<u>LOS</u>
EB MASTER PLAN ROAD	LEFT		36.2s	D	44.4s	D
	THRU		35.0s	C	26.8s	C
	RIGHT		13.1s	B	41.4s	D
	APPROACH		17.3s	B	41.8s	D
WB SHOPPING CENTER	LEFT		41.0s	D	29.4s	C
	THRU-RIGHT		39.4s	D	29.4s	C
	APPROACH		40.2s	C	29.4s	C
NB ROUTE 206	LEFT		30.3s	C	45.7s	D
	THRU-RIGHT		4.2s	A	10.0s	B
	APPROACH		14.9s	B	21.2s	C
SB ROUTE 206	LEFT		22.9s	C	27.3s	C
	THRU		39.4s	D	24.9s	C
	RIGHT		18.2s	B	20.6s	C
	APPROACH		37.8s	D	24.4s	C
INTERSECTION	OVERALL		25.4s	C	27.7s	C

ROUTE 518 & MASTER PLAN ROAD / ORCHARD ROAD CONNECTOR

			AM PSH		PM PSH	
			<u>DELAY</u>	<u>LOS</u>	<u>DELAY</u>	<u>LOS</u>
EB ROUTE 518	LEFT		27.9s	C	50.4s	D
	THRU		32.4s	C	29.6s	C
	RIGHT		15.8s	B	8.1s	A
	APPROACH		29.7s	C	33.9s	C
WB ROUTE 518	LEFT		42.4s	D	40.5s	D
	THRU-RIGHT		8.8s	A	18.8s	B
	APPROACH		36.1s	D	21.1s	C
NB MASTER PLAN ROAD	LEFT		42.7s	D	48.0s	D
	THRU		20.8s	C	16.4s	B
	RIGHT		7.4s	A	10.0s	A/B
	APPROACH		36.2s	D	32.2s	C
SB ORCHARD ROAD CONNECTOR	LEFT		33.5s	C	52.7s	D
	THRU-RIGHT		44.5s	D	32.2s	C
	APPROACH		42.6s	D	42.8s	D
INTERSECTION	OVERALL		35.3s	D	30.8s	C

LOS = level of service
s = average control delay per vehicle in seconds

<u>LOS</u>	<u>DELAY</u>
A	≤ 10.0s
B	>10.0s and ≤ 20.0s
C	>20.0s and ≤ 35.0s
D	>35.0s and ≤ 55.0s
E	>55.0s and ≤ 80.0s
F	≥ 80.0s