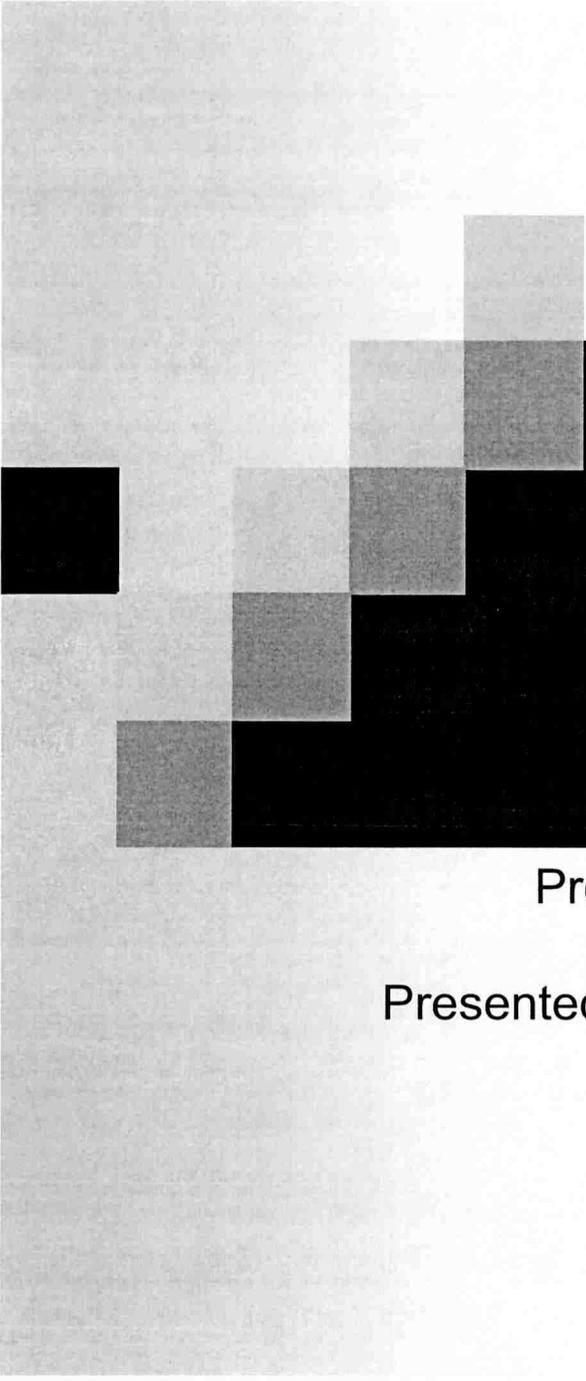




Separator

5-1752-01 - P14



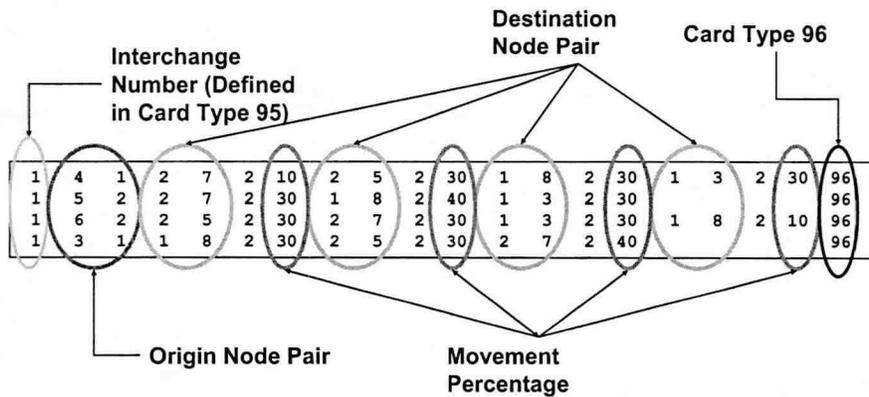
Hardware-in-the-Loop Demonstration/ Workshop

Presented to the TxDOT Corpus Christi District

Presented in partial completion of requirements of 5-1752-01
By the Texas Transportation Institute

August 12, 2005

Diamonds – Volumes Based On Origin/Destinations



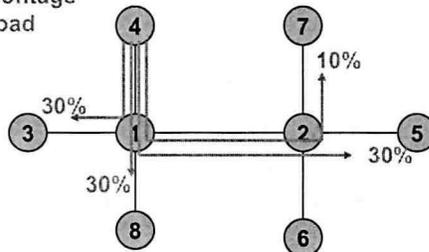
81

Diamonds – Modifying Volumes

SB Frontage Road

1	4	1	2	7	2	10	2	5	2	30	1	8	2	30	1	3	2	30	96
	U-Turns		Lefts			Through			Rights										

Origin-- SB
Frontage
Road



U-Turn (4→1→2→7) = 10%

Lefts (4→1→2→5) = 30%

Through (4→1→1→8) = 30%

Rights (4→1→2→7) = 10%

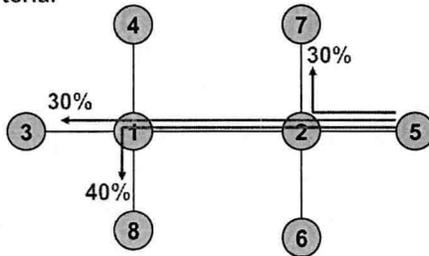
82

Diamonds – Modifying Volumes

WB Arterial Approach

1	5	2	2	7	2	30	1	8	2	40	1	3	2	30	96
			Rights			Lefts			Through						

Origin– WB Arterial



Rights (5→2→2→7) = 30%
 Lefts (5→2→2→7) = 40%
 Through (5→2→1→3) = 30%

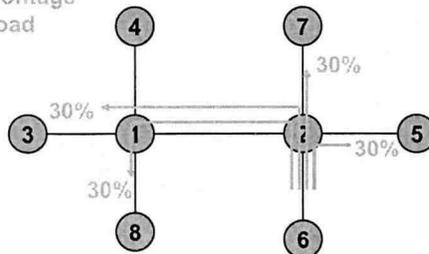
83

Diamonds – Modifying Volumes

NB Frontage Road

1	6	2	2	5	2	30	2	7	2	30	1	3	2	30	1	8	2	10	96
			Rights			Through			Lefts			U-Turns							

Origin-- NB Frontage Road

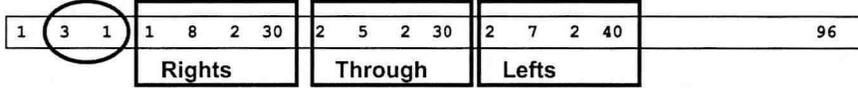


Rights (6→2→2→5) = 30%
 Through (6→2→2→7) = 30%
 Lefts (6→2→1→3) = 30%
 U-Turns (6→2→1→8) = 10%

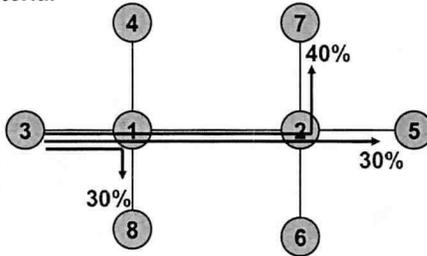
84

Diamonds – Modifying Volumes

EB Arterial Approach



Origin- EB Arterial



Rights (3→1→1→8) = 30%

Through (3→1→2→5) = 30%

Left (3→1→2→7) = 40%