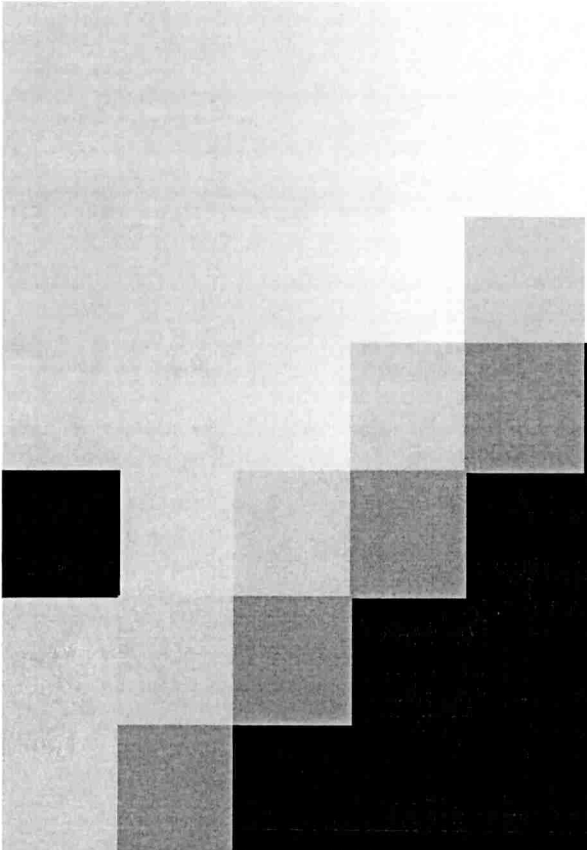




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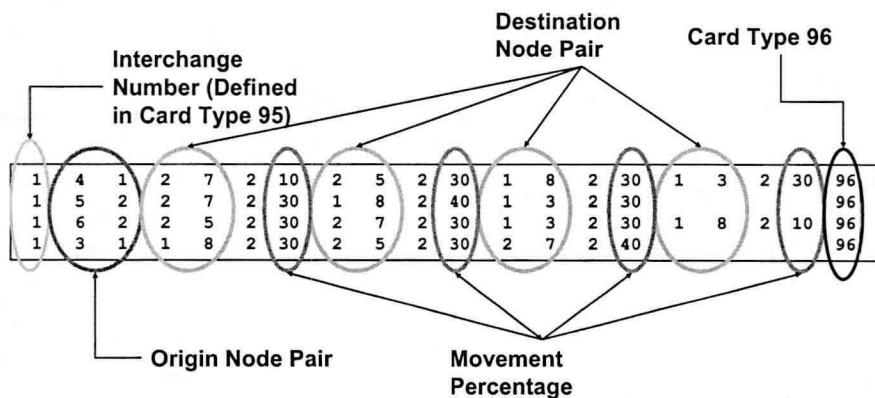
# Hardware-in-the-Loop Demonstration/ Workshop

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



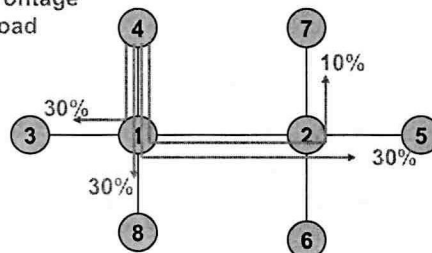
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## Diamonds – Modifying Volumes

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%

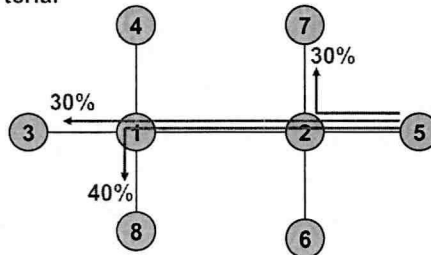
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## Diamonds – Modifying Volumes

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%

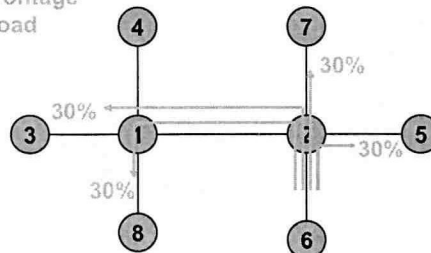
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## Diamonds – Modifying Volumes

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%

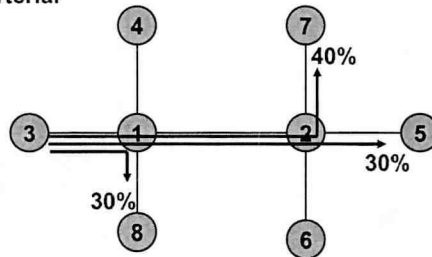
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# Diamonds – Modifying Volumes

EB Arterial Approach

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

Origin– EB  
Arterial



Rights ( 3→1→1→8) = 30%

Through ( 3→1→2→5) = 30%

Left ( 3→1→2→7) = 40%