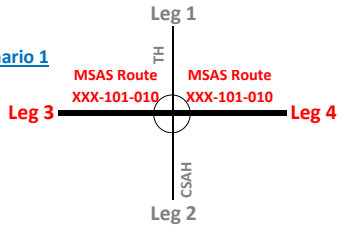
COUNTING SIGNAL LEGS FOR NEEDS PURPOSES

Note: For Needs purposes, each Signal Leg equals one-fourth the cost of a Signal, regardless of traffic flow or how many legs make up an intersection.

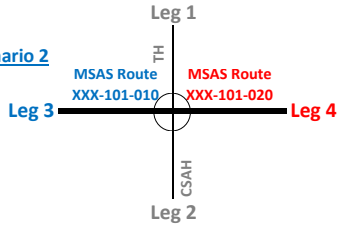
Signalized intersection

Scenario 1



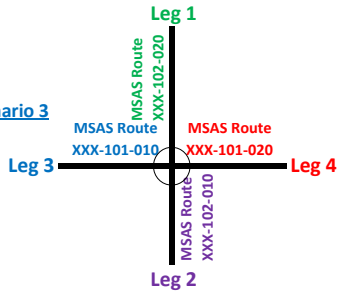
Leg Number	Leg Owner
1	TH
2	CSAH
3	MSAS Route XXX-101-010
4	MSAS Route XXX-101-010
	Two legs on MSAS Route XXX-101-010

Scenario 2



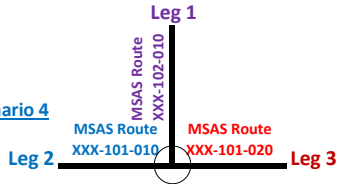
Leg Number	Leg Owner
1	TH
2	CSAH
3	MSAS Route XXX-101-010
4	MSAS Route XXX-101-020
	One leg on MSAS XXX-101-010 One leg on MSAS XXX-101-020

Scenario 3



Leg Number	Leg Owner
1	MSAS Route XXX-102-020
2	MSAS Route XXX-102-010
3	MSAS Route XXX-101-010
4	MSAS Route XXX-101-020
	One leg on MSAS XXX-102-020 One leg on MSAS XXX-102-010 One leg on MSAS XXX-101-010 One leg on MSAS XXX-101-020

Scenario 4



T-Intersection

(Each Leg is still one-fourth the cost of one Signal)

Leg Number	Leg Owner
1	MSAS Route XXX-102-010
2	MSAS Route XXX-101-010
3	MSAS Route XXX-101-020
	One leg on MSAS XXX-102-010 One leg on MSAS XXX-101-010 One leg on MSAS XXX-101-020

MSAS Route

NOT a MSAS Route

N:/MSAS/Needs Study Task Force/Signals How to Count Legs

http://www.dot.state.mn.us/stateaid/msas.html