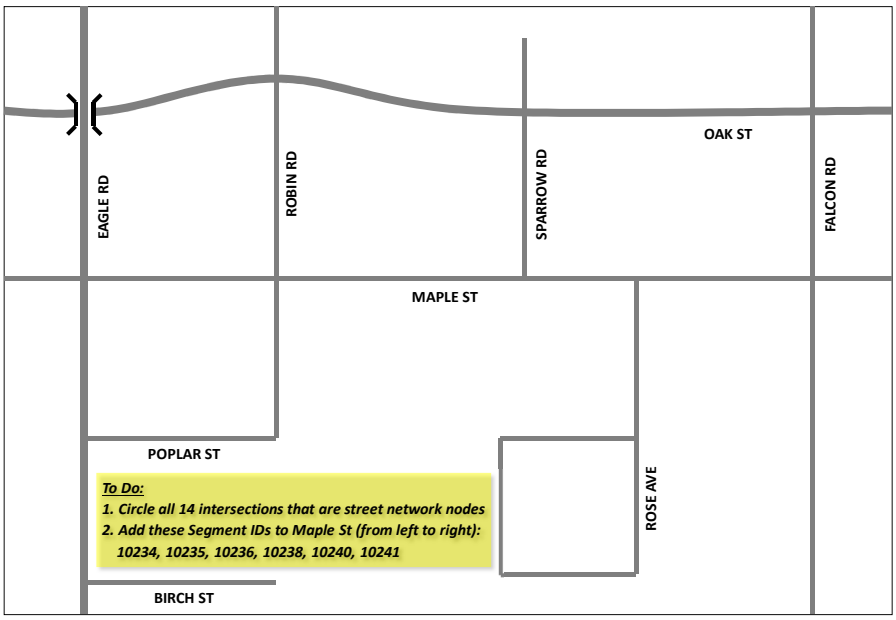
Basic Street Network Example



Basic Street Network Terminology

Street Segment
- a portion of a street centerline between two adjacent nodes

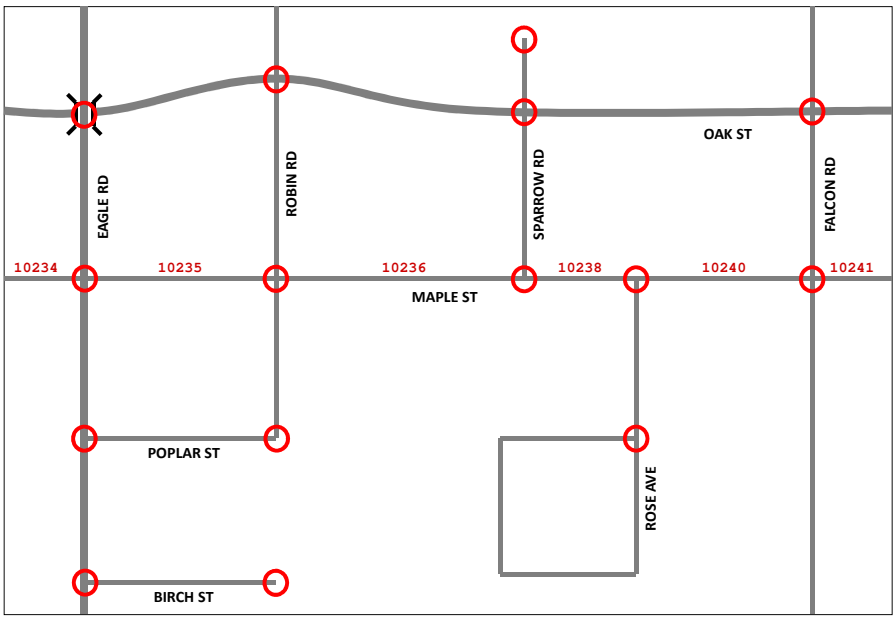
Node
- intersection point of two or more segments (not if bridge or tunnel)
- or free end-point of a segment (intersection of segment with void)
- also required for change of street name or municipality/jurisdiction

Address Range
- upper & lower limits of address numbers on both sides of a segment
- LeftFrom, LeftTo, RightFrom, RightTo (may not be existing addresses)
- "From / To" based on lower / upper address numbers respectively
- "Left / Right" rule: stand at lower-end facing towards upper-end

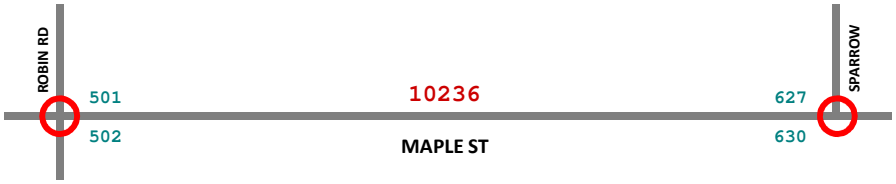
Road Section
- *a portion of a street with homogeneous physical characteristics (such as number of lanes, pavement type/age, speed limit, jurisdiction)*
- *may consist of any number of street segments, including portions of segments*

Route
- *a directed path through a street network, with start and end points*
- *may or may not include separate passes for each side of a segment*

Basic Street Network Example



Basic Street Network Database



SegmentID	LF	LT	RF	RT	StreetID	RouteID
10234	303	397	304	396		506
10235	401	495	400	498		505
10236						505
10238	631	699	632	698		505
10240	701	799	702	798		505
10241	805	889	804	890		505

SEGMENT table

StreetID	Name	Soundex
20072	EAGLE RD	ACLA
20073	FALCON RD	BALCAM
20074	MAPLE ST	MABLA
20075	OAK ST	AC
20076	POPLAR ST	BOBLAR
20077	ROBIN RD	RABAM

STREET table

RouteID	Day
501	Mon
502	Mon
503	Thu
504	Fri
505	Wed
506	Wed

ROUTE table

To Do:

1. Use arrows to Join the common columns in the tables

2. Complete all entries in the Segment table above

3. Add all address ranges to Maple St segments on previous page

4. Determine the day that recycling materials are collected on Maple St: _____