Typical Count Diagram
Complete Traffic Counts

If a "noon" (between 10:30am and 2:30pm) peak occurs, show in this fashion:

PEAKS

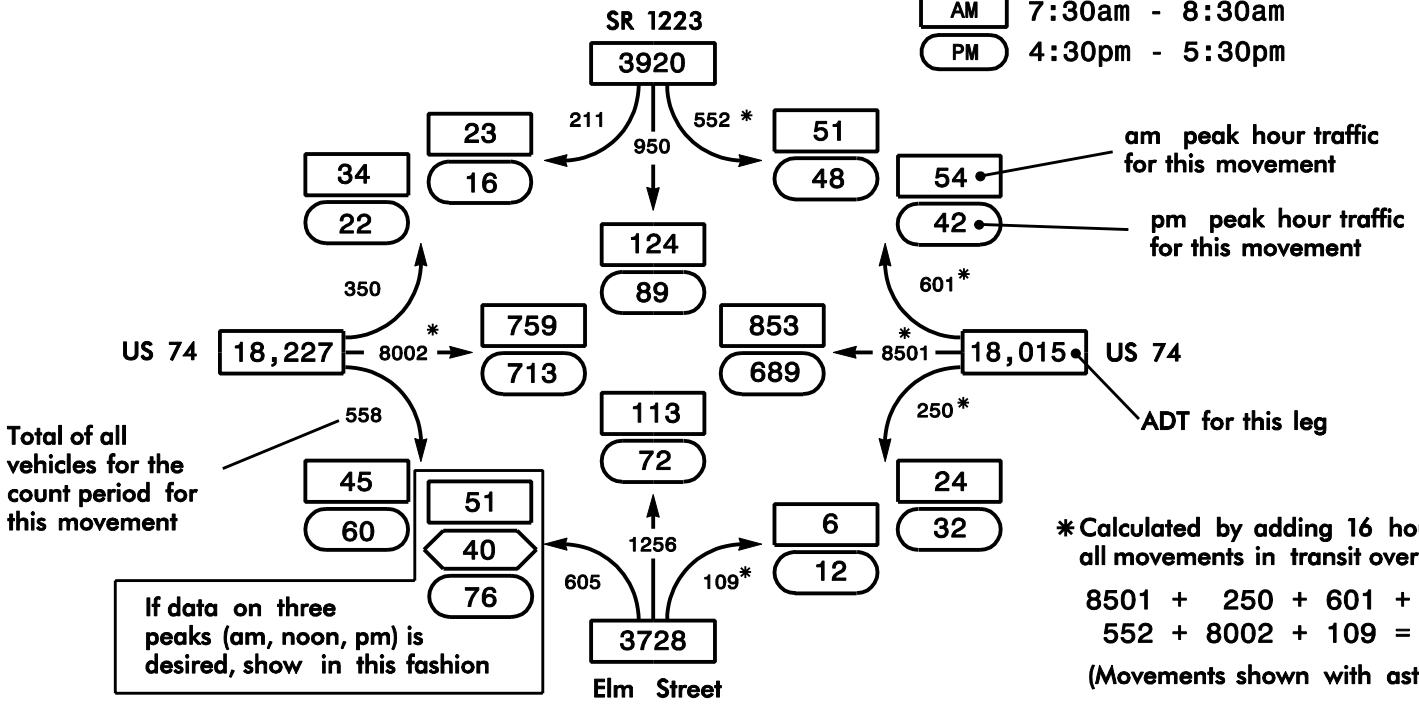
NOON 11:30am - 12:30pm
PM 4:30pm - 5:30pm

COUNTS

Type or duration of counting — 16 Hour Counts
Date of counting — July 13 & 14, 1999

PEAKS

AM 7:30am - 8:30am
PM 4:30pm - 5:30pm



*Calculated by adding 16 hour totals for all movements in transit over this leg:

8501 + 250 + 601 + 552 + 8002 + 109 = 18,015

(Movements shown with asterisk)

Traffic Counts

SIGNALS & GEOMETRICS SECTION
TRAFFIC ENGINEERING AND SAFETY SYSTEMS BRANCH
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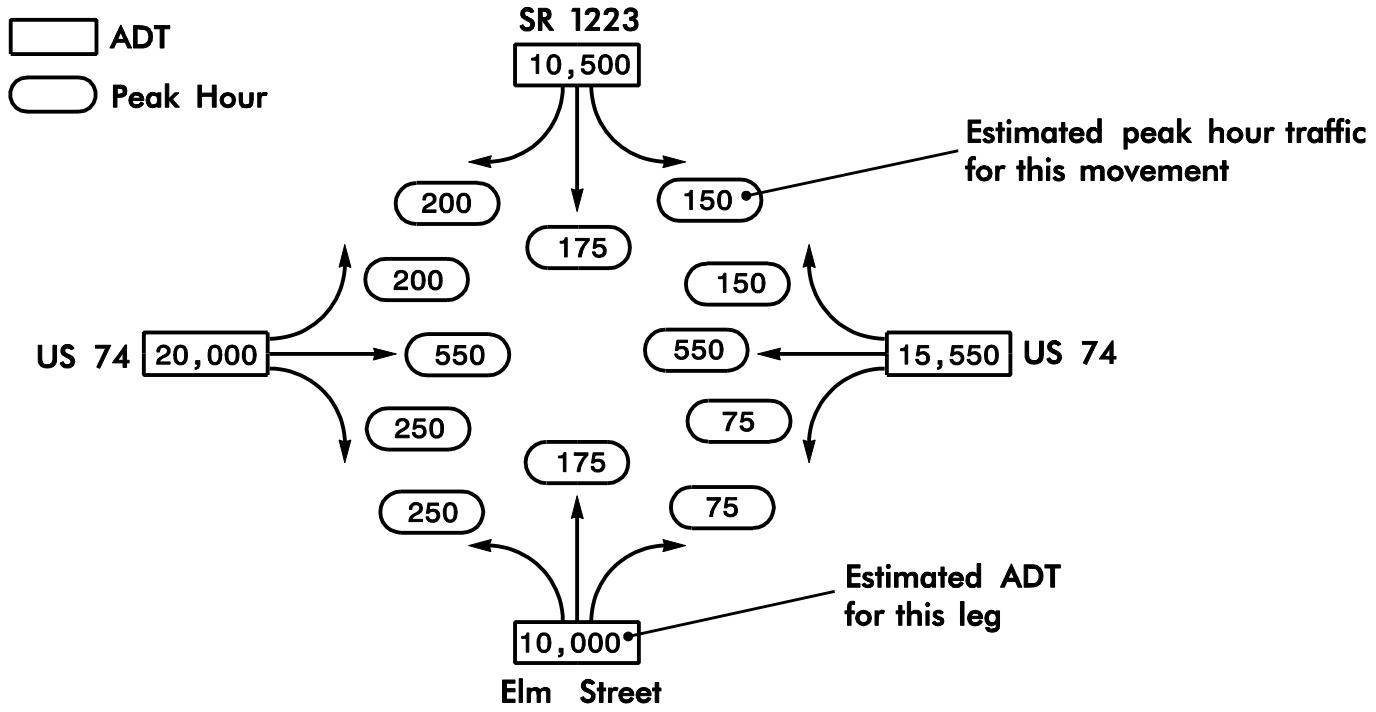
Typical Count Diagram
Estimated Traffic Counts

Year 2020 Projected Volumes



Traffic Counts

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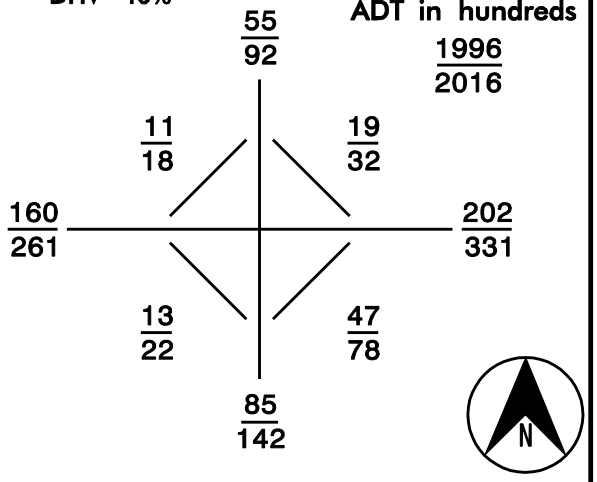
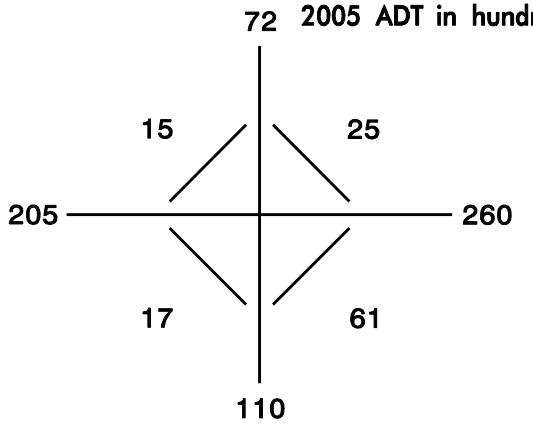
Conversion from Estimated ADT to Estimated DDHV – Example

GIVEN Project Letting Date = 2000
Design Year = Letting Date + 5 years = 2005
D = 60%
DHV = 10%



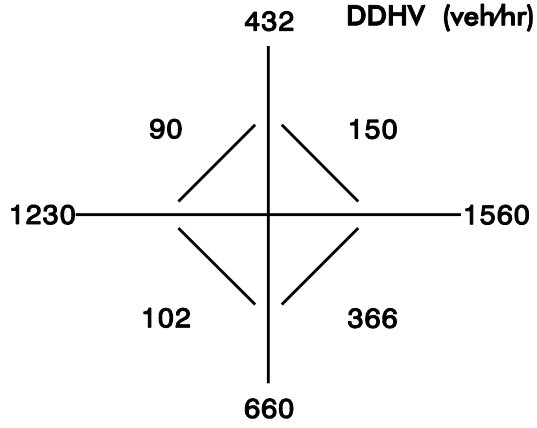
STEP 1 Interpolate to find 2005 ADT.

For the north leg, 55 + (92-55)(9/20) = 72



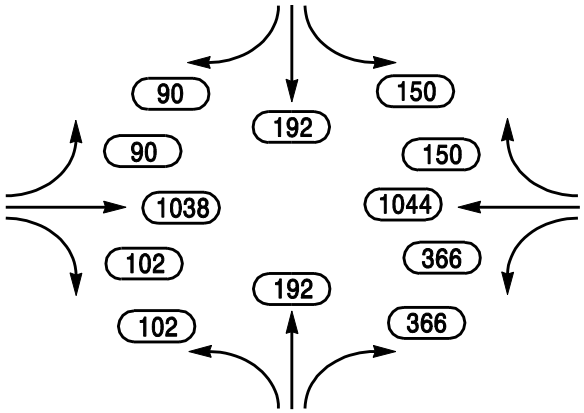
STEP 2 Convert to DDHV: (ADT)(DHV)(D) = DDHV.

For the north leg, (7200)(.10)(.60) = 432

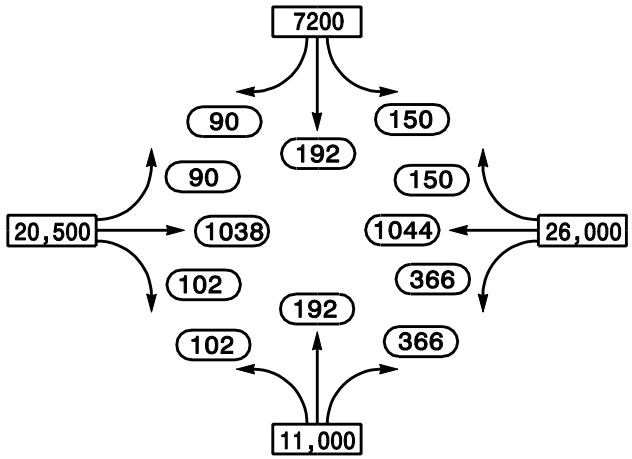


STEP 3 Determine through volumes by subtracting turning volume from total volume.

For the north leg, 432 - 90 - 150 = 192



STEP 4 Complete count diagram.



NOTES

-ADT = Average Daily Traffic

-DHV = Design Hour Volume

-DDHV = Directional Design Hour Volume

-D = Directional Split

-Use the highest directional split for each movement. Do not attempt to determine the direction of the peak flow for both the morning and afternoon peak hours.

-Because of the uncertainty of the data, a peak hour factor of 1.0 should be used when these peak hour volumes are used for analysis.

Traffic Counts

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