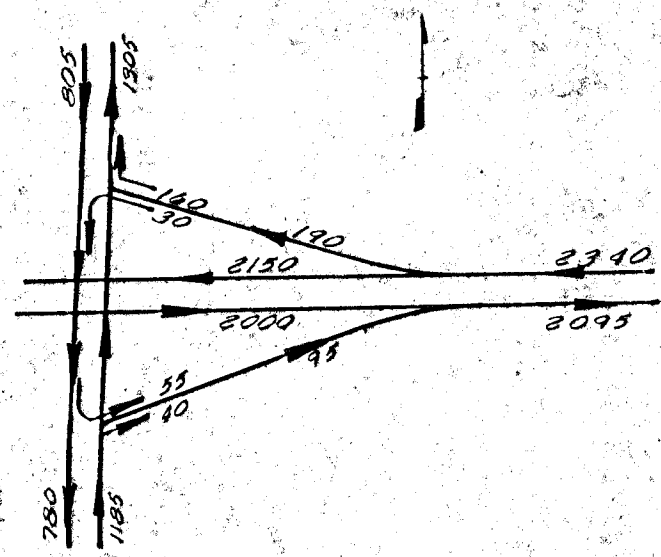
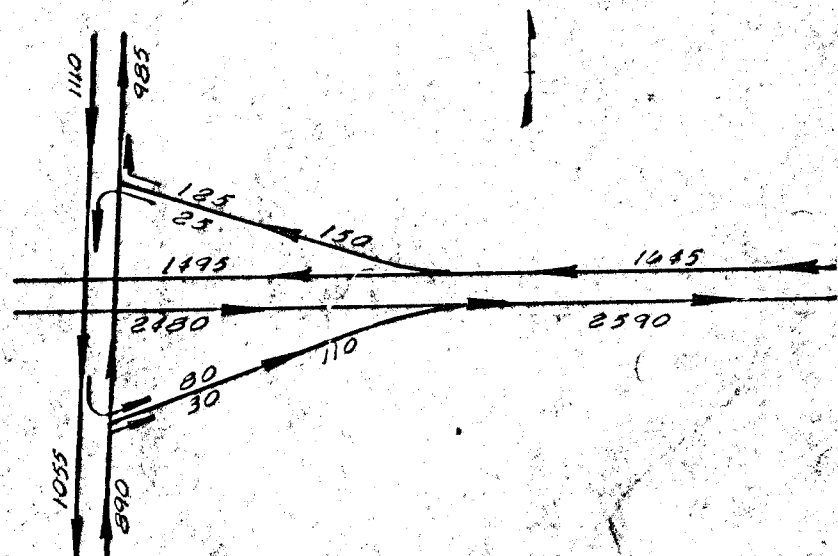


| PUB. ROAD<br>DIV. NO. | STATE  | PROJECT<br>NO.                  | FISCAL<br>YEAR | SHEET<br>NO. | TOTAL<br>SHEETS |
|-----------------------|--------|---------------------------------|----------------|--------------|-----------------|
| 5                     | KANSAS | 35 W - 87 E - 35 W<br>P (33) 48 | 1970           | 71           | 229             |



TRAFFIC FLOW DIAGRAM-1990 A.M. PEAK HOUR



TRAFFIC FLOW DIAGRAM-1990 P.M. PEAK HOUR

| ALIGNMENT DATA |         |          |                                           | COORDINATES |            |
|----------------|---------|----------|-------------------------------------------|-------------|------------|
| NO.            | ROAD    | STA.     | DESCRIPTION                               | NORTH       | EAST       |
| 1              | KELLOGG | 62+87.27 | INTERSECTION & KELLOGG & STA. 50+00 GROVE | 20,114.85   | 100,621.48 |
| 2              | KELLOGG | 66+51.28 | P.C. K-2                                  | 20,131.10   | 100,587.98 |
| 3              | KELLOGG | P.I.     | STA. 69+13.69 (BK.)=STA. 69+13.59 (AH.)   | 20,147.98   | 101,250.00 |
| 4              | KELLOGG | 71+76.00 | P.T. K-2                                  | 20,149.85   | 101,512.41 |
| 5              | GROVE   | 43+88.36 | P.C. G-1                                  | 19,503.92   | 100,558.07 |
| 6              | GROVE   | P.I.     | STA. 45+72.98 (BK.)=STA. 45+72.85 (AH.)   | 19,688.64   | 100,597.74 |
| 7              | GROVE   | 47+57.47 | P.T. G-1                                  | 19,872.80   | 100,609.29 |
| 8              | GROVE   | 53+54.40 | P.C. G-2                                  | 20,468.55   | 100,646.63 |
| 9              | GROVE   | P.I.     | STA. 55+65.50 (BK.)=STA. 55+65.30 (AH.)   | 20,679.24   | 100,669.84 |
| 10             | GROVE   | 57+75.40 | P.T. G-2                                  | 20,890.32   | 100,697.51 |
| 11             | RAMP A  | 10+00    | STA. 53+50.00 & GROVE                     | 20,464.16   | 100,646.35 |
| 12             | RAMP A  | 17+04.47 | P.C.                                      | 20,269.90   | 101,323.51 |
| 13             | RAMP A  | 21+14.86 | P.T.=63° LT. STA. 73+92.77 KELLOGG        | 20,214.39   | 101,728.72 |
| 14             | RAMP B  | 10+00    | STA. 45+25 GROVE TANG. (AH.)              | 19,640.56   | 100,597.82 |
| 15             | RAMP B  | 17+91.27 | P.C.                                      | 19,990.13   | 101,307.69 |
| 16             | RAMP B  | 22+21.43 | P.T.=63° RT. STA. 73+86.91 KELLOGG        | 20,088.35   | 101,722.76 |

| CURVE DATA (ARC DEFINITION) |             |        |           |        |        |                                 |
|-----------------------------|-------------|--------|-----------|--------|--------|---------------------------------|
| NO.                         | Δ           | D      | R         | T      | L      | RADIUS PT. COORD.<br>NORTH EAST |
| K-2                         | 2° 37' 25"  | 0° 30' | 11,459.19 | 282.41 | 524.72 |                                 |
| G-1                         | 3° 41' 28"  | 1° 00' | 5,729.58  | 184.62 | 369.11 | 19,514.33 100,327.64            |
| G-2                         | 4° 13' 12"  | 1° 00' | 5,729.58  | 211.10 | 422.00 | 20,827.02 94,928.28             |
| A                           | 16° 24' 58" | 4° 00' | 1,432.39  | 206.61 | 410.39 | 21,646.75 101,718.51            |
| B                           | 25° 48' 35" | 6° 00' | 964.93    | 218.79 | 430.16 | 19,133.44 101,729.56            |

SCALE: 1" = 100'

STATE HIGHWAY COMMISSION OF KANSAS  
GROVE STREET INTERCHANGE  
GEOMETRIC COORDINATE LAYOUT

WILSON & COMPANY  
ENGINEERS & ARCHITECTS  
SAINT LOUIS, MISSOURI

DESIGNED: C.A.R. TRACED: J.F.B. CHECKED: H.J.B.