

**CITY COUNCIL
COMMUNICATION:**

ITEM _____

**OFFICE OF THE CITY MANAGER
CITY OF DES MOINES, IOWA**

99-340

SYNOPSIS -

AGENDA:

JULY 26, 1999

The Traffic and Transportation Division has completed a preliminary study of traffic conditions at the intersection of 19th and Pleasant Streets. It is recommended that staff work with the Sherman Hill Neighborhood Association to develop a "traffic calming" plan for the larger area around this intersection, and consider a four-way stop as an interim measure.

SUBJECT:

FOUR-WAY STOP
AT 19TH AND
PLEASANT
STREETS

FISCAL IMPACT -

Future traffic calming devices would be considered for funding as part of the 1999-2000/2004-05 Capital Improvements Program (CIP), page 327, "Citywide Neighborhood Traffic Control Program," Account No. 483149.

TYPE:

RESOLUTION
ORDINANCE

RECEIVE/FILE

RECOMMENDATION -

SUBMITTED BY:

FLOYD BENTZ, P.E.
CITY ENGINEER

Receive, file, and refer to Legal Department for preparation of proper legislation.

BACKGROUND -

Earlier this year, at the request of Council Member Christine Hensley, Traffic and Transportation Division staff initiated a traffic study at the intersection of 19th and Pleasant Streets. This study included the collection of traffic volume information, accident data, and field-reviews of the site. Based on this data, our study indicated that a four-way stop is not warranted as a permanent solution to traffic control at this intersection. The accident history is low, with an average of two accidents per year at this intersection. The Manual on Uniform Traffic Control Devices states that a four-way stop is warranted at a location where there are five or more right-angle

accidents occurring per year. The traffic volumes also are significantly less than the Manual requires for installation of a four-way stop.

The traffic study has also considered this intersection as part of a larger "traffic calming" area (possibly bounded by 15th Street, Woodland Avenue, Martin Luther King, Jr. Parkway, and Cottage Grove/Crocker). The review shows that there may be other opportunities for traffic calming at this intersection, as well as several nearby locations. Staff plans to meet with representatives of the Sherman Hill Neighborhood Association to further discuss these traffic calming possibilities. This process is similar to what was used with the Capitol Park Neighborhood Association to develop support and consensus prior to installing traffic calming features along East 12th Street, including a traffic circle at Buchanan Street. These improvements have been in place for nearly a year, and the Capitol Park Neighborhood is very satisfied with what was accomplished on East 12th Street.

A recent accident occurred on July 12, 1999, that involved a westbound motorist who ran the stop sign at 19th and Pleasant. Although this accident is unfortunate, it is very difficult to prevent accidents if motorists completely disregard the existing traffic controls.

It is recommended that staff continue this study to work with the Sherman Hill Neighborhood Association to consider development of a "traffic calming" plan for this area. Any such plan would be reviewed by the Traffic Safety Committee for recommendation back to the City Council. As an interim measure, the Council can designate the intersection of 19th and Pleasant Streets as a four-way stop intersection. This four-way stop would be evaluated in the future as part of the traffic calming study and could be modified if another control is determined to be more appropriate for this intersection.

The following ordinance changes are needed to implement a four-way stop at the intersection of 19th and Pleasant Streets:

**SEC. 27-319.03. FOUR-WAY STOP INTERSECTIONS--
LOCATIONS DESIGNATED.**

- (1) Arthur Avenue and East Ninth Street.
- ~~1a~~ (2) Aurora Avenue and Sixth Avenue.
- ~~1b~~ (3) Aurora Avenue and Fortieth Street.

- 2 (4) Aurora Avenue and Cornell Street.
- 3 (5) Carpenter Avenue and Twenty-fifth Street.
- 4 (6) Center Street and Twelfth Street.
- 5 (7) Cleveland Avenue and East Twelfth Street.
- 6 (8) Cleveland Avenue and East Thirteenth Street.
- 7 (9) College Avenue at Seventh Street.
- 8 (10) College Avenue at Eighth Street.
- 9 (11) College Avenue at Ninth Street.
- 10 (12) Cornell Street and Douglas Avenue.
- 11 (13) Cornell Street and Hull Avenue.
- 12 (14) Cornell Street and East Madison Avenue.
- 13 (15) Cornell Street and East Sheridan Avenue.
- 14 (16) Corning Avenue and Fourth Street.
- 15 (17) Cottage Grove Avenue and Twenty-fifth Street.
- 16 (18) County Line Road and Southwest Ninth Street.
- 17 (19) Delaware Avenue and Hull Avenue.
- 18 (20) East Diehl Avenue and Southeast Eighth Street.
- 19 (21) Drake Park Avenue and Twenty-third Street.
- 20 (22) Drake Park Avenue and Twenty-fourth Street.
- 21 (23) Douglas Avenue and Ninth Street.
- 22 (24) East Douglas Avenue and East Thirty-eighth Street.
- 23 (25) East Douglas Avenue and East Forty-second Street.
- 24 (26) Easton Boulevard and East Twenty-ninth Street.
- 25 (27) Easton Boulevard and East Forty-second Street.
- 26 (28) Evergreen Avenue and Southeast Thirty-fourth Street.
- 27 (29) Forest Avenue and Ninth Street.
- 28 (30) Forest Avenue and Thirteenth Street.
- 29 (31) Forest Avenue and Sixteenth Street.
- 30 (32) Forest Avenue and Forty-first Street.
- 31 (33) Fremont Street and East Ninth Street.
- 32 (34) Franklin Avenue, Merklin Way and Fifty-sixth Street.
- 33 (35) Franklin Avenue and Merle Hay Road.
- 34 (36) Franklin Avenue and Forty-eighth Street.
- 35 (37) Geil Avenue and Southwest Fourteen Street.
- 36 (38) Greenwood Drive and Forty-second Street.
- 37 (39) Guthrie Avenue and East Ninth Street.
- 38 (40) Hull Avenue and East Twenty-fourth Street.
- 39 (41) Hull Avenue and East Twenty-fifth Street.
- 40 (42) Hull Avenue and East Thirty-eighth Street.
- 41 (43) Ingersoll Avenue and Polk Boulevard.
- 42 (44) Jackson Avenue at Southwest Third Street.
- 43 (45) Kingman Boulevard and Twenty-fifth Street.
- 44 (46) Madison Avenue and Twelfth Street.
- 44a (47) Madison and Thirtieth Street.
- 45 (48) Madison Avenue and Fiftieth Street.
- 46 (49) McKinley Avenue and South Union Street.

47 ~~(50)~~ East McKinley Avenue and Southeast Fifth Street.
48 ~~(51)~~ New York Avenue and Forty-seventh Street.
49 ~~(52)~~ North Union Street and Sheridan Avenue.
50 ~~(53)~~ Park Avenue and South Union Street.
51 ~~(54)~~ Park Avenue and Southwest Twelfth Street.
52 ~~(55)~~ Park Avenue and Southeast Twenty-second Street.
53 ~~(56)~~ East Park Avenue and Southeast Fifth Street.
54 ~~(57)~~ East Park Avenue and Southeast Eighth Street.
55 ~~(58)~~ Payton Avenue and South Union Street.
~~(59)~~ Pleasant Street and Nineteenth Street.
56 ~~(60)~~ Porter Avenue and Southwest Fourteenth Street.
57 ~~(61)~~ Porter Avenue and South Union Street.
58 ~~(62)~~ Scott Street and Southeast Sixth Street.
59 ~~(63)~~ Shawnee Avenue and Forty-third Street.
60 ~~(64)~~ East Sheridan Avenue and East Thirty-eighth Street.
61 ~~(65)~~ South Union Street and Watrous Avenue.
62 ~~(66)~~ East Washington Avenue and East Ninth Street.
63 ~~(67)~~ East Washington Avenue and East Twelfth Street.
64 ~~(68)~~ East Washington Avenue and East Thirteenth Street.
65 ~~(69)~~ Watrous Avenue and Southwest Fourteenth Street.
66 ~~(70)~~ East Watrous Avenue and Southeast Fifth Street.
67 ~~(71)~~ Woodland Avenue and Fifteenth Street.
68 ~~(72)~~ Woodland Avenue and Twenty-eighth Street.