



**Council  
Communication**  
Office of the City Manager

**Date** March 20, 2006

**Agenda Item No.** 51  
**Roll Call No.** 06-  
**Communication No.** 06-141  
**Submitted by:** Jeb E. Brewer, P.E.  
City Engineer

**AGENDA HEADING:**

Recommending approval of the following traffic regulation changes that are being presented for first reading.

- A. Revision of Maximum Load Limit Revision—East Payton Avenue Bridge over the Creek South of Easter Lake.
- B. Greenwood School Area Parking Revisions—38<sup>th</sup> Place/Greenwood Drive.
- C. Stop Signs at Uncontrolled Intersections in the Area Bounded by SE 6th Street on the West, Scott Avenue on the North, SE 14th Street on the East, and the Des Moines River on the South.
- D. Parking Meter Time Limit Change—E. 4<sup>th</sup> Street from E. Walnut Street to E. Locust Street.
- E. Parking Restriction to Facilitate Movement of Solid Waste Vehicles—West Side of 49<sup>th</sup> Place south of Urbandale Avenue.
- F. Updating of Parking Regulations—Western Gateway Area between 13th Street and 15th Street from Grand Avenue to Locust Street.
- G. Parking Restriction Adjacent to Events Center—West Side of 2<sup>nd</sup> Avenue between Center and Crocker Streets.

**SYNOPSIS:**

Recommend approval of first reading of the Ordinance regarding the following traffic regulation changes

**FISCAL IMPACT:**

Amount: Minor costs.

Funding Source: 2006-2007 Operating Budget, Page 84, Engineering Department Traffic & Transportation - Sign Installation and Maintenance, ENG100413.

## ADDITIONAL INFORMATION:

- A. Weight limits on the East Payton Avenue Bridge over the Creek South of Easter Lake have been revised as a result of the City's 2005 federally required Structure Inventory and Appraisal (SI&A) inspection and rating. The new load factor ratings for three standard truck types as well as total maximum weight for all vehicles is reflected in this revision to the postings for this bridge. Structural rehabilitation of the SW 9th Bridge completed during the spring of 2005 restored this structure to normal legal loads. The City's 2005 Structure Inventory and Appraisal inspection and rating confirmed that the imposed weight limits are no longer required on this structure. The following revisions to the Municipal Code are necessary to place these changes into effect.

Sec. 114-460.03. Maximum load limit for certain designated bridges and viaducts.

- (a) There is fixed for users of the following bridges and viaducts the maximum load limit, including the weight of the vehicle, together with trailer and other attachments thereto, designated for each bridge or viaduct:
- 1) East Payton Avenue, over the creek south of Easter Lake, a maximum load limit of 14 tons per straight truck, ~~20~~ 21 tons per truck plus semitrailer, and ~~25~~ 24 tons per truck plus trailer. Maximum load limit of 24 tons for all vehicles.
  - ~~2) Southwest Ninth Street Bridge, over the Raccoon River, a maximum load limit of twenty tons.~~
  - 3) 2) Southwest Ninth Street Viaduct, over Martin Luther King Jr Parkway, a maximum load limit of twenty tons.
- B. Staff received a request from the Site Based Council (SBC) at Greenwood Elementary School, located on 37th Street south of Grand Avenue. The SBC expressed some concerns over traffic conditions in the vicinity of 38th Place and Greenwood Drive, which is on the west side of their facility. This area receives considerable use as a student drop-off/pick-up area, along with children walking to and from school.

Several recommendations are being made to alleviate this congestion. (1) The parking on Greenwood Drive between 38<sup>th</sup> Place and Tonawonda Drive is recommended to be moved from the south side of the street to the north side. This will allow motorists to park heading away from the school area as they wait to pick up students. (2) Removal of the "bus loading" area on the east side of 38<sup>th</sup> Place. The school buses now use the 37<sup>th</sup> Street side of the school for loading/unloading, and this restriction is no longer necessary on 38<sup>th</sup> Place. (3) Review of the school signing/crosswalk markings along 38<sup>th</sup> Place. Staff will update the crosswalk signing. The crosswalk painting will be redone this summer as part of our routine school crosswalk painting program.

The Greenwood Drive parking revision will affect approximately 6 homes. Staff will notify these residents by letter, and any comments received will be relayed to the Committee at next Tuesday's meeting.

Staff recommends that the following items be implemented:

1. The parking on Greenwood Drive between 38th Place and Tonawonda Drive should be moved from the south side of the street to the north side.
2. The “bus loading” signs on the east side of 38<sup>th</sup> Place adjacent to the school should be removed.
3. Staff should review and update the school signing and crosswalk markings along 38<sup>th</sup> Place.

At their February 14, 2006 meeting, the Traffic Safety Committee approved staff recommendations. The following revisions to the Municipal Code are necessary to place these changes into effect.

Sec. 114-3281. Greenwood Drive—Thirty-eighth Place to Forty-fifth Street.

Greenwood Drive, on the south side, from Thirty-eighth Place to Tonawonda Drive, no parking any time.

Greenwood Drive, on the north side, from ~~Thirty-eighth Place~~ Tonawonda Drive to a point 775 feet west of Forty-third Street, no parking any time.

Sec. 114-2905. Thirty-eighth Place—Marsh Drive to Hillcrest Drive.

~~Thirty-eighth Place, on the east side, from Greenwood Drive to a point 80 feet north thereof, bus loading and unloading, 7:00 a.m. to 5:00 p.m. school days; no parking at all other times.~~

- C. Staff received a request from a resident asking that stop signs be installed at the intersection of SE 8<sup>th</sup> Street and Shaw Street and at SE 9<sup>th</sup> Street and Shaw Street. The first intersection is a “T” location, and stop signs are not justified. The second, at SE 9<sup>th</sup> and Shaw, is an uncontrolled, four-way location. SE 9<sup>th</sup> Street is a concrete paved roadway, and Shaw Street is an unimproved street. There are a number of other four-way intersections in the area that are also uncontrolled.

Approximately 10 years ago, stop signs were installed at all four-way paved intersections. This was done following an extensive study that indicated that right-angle crash history at uncontrolled intersections was approximately 6 times higher than at similar intersections controlled by a two-way stop. Locations where one or both of the intersections were unimproved were reviewed on a case-by-case basis, but generally were not included in this conversion. Based on driver observations, these locations did not seem to create difficulties, since the driver on the unimproved street would yield to traffic on the improved street.

In the past 10 years, staff has reviewed a number of intersections involving unimproved streets, and has installed stop signs at similar intersections to the requested location.

Based on the request, a review was made of all the intersections in the nearby vicinity. This included an area bounded by SE 6<sup>th</sup> Street on the west, Scott Avenue on the north, SE 14<sup>th</sup> Street on the east, and the Des Moines River on the south. There are 9 uncontrolled four-way intersections within this boundary.

Staff recommends that two-way stops be installed at each of these four-way, uncontrolled locations. The locations are as follows:

1. Shaw Street at SE 9<sup>th</sup>, SE 10<sup>th</sup>, SE 11<sup>th</sup> and SE 12<sup>th</sup> Streets

2. Vale Street at SE 8<sup>th</sup> and SE 9<sup>th</sup> Streets
3. Railroad Avenue at SE 8<sup>th</sup>, SE 9<sup>th</sup> and SE 10<sup>th</sup> Streets

At their February 14, 2006 meeting, the Traffic Safety Committee approved staff recommendations. The following revisions to the through streets designated in the Municipal Code are necessary to place these changes into effect.

Sec. 114-2012. Southeast Eighth Street.

Southeast Eighth Street, from the south line of Maury Street to the south line of East Railroad Avenue, stop.

Sec. 114-2015.5. Southeast Ninth Street.

Southeast Ninth Street, from the south line of Scott Street to the north line of Maury Street, stop.

Southeast Ninth Street, from the south line of Maury Street to the south line of East Railroad Avenue, stop.

Sec. 114-2018.5. Southeast Tenth Street.

Southeast Tenth Street, from the south line of Scott Street to the north line of Maury Street, stop.

Southeast Tenth Street, at East Railroad Avenue, stop.

Sec. 114-2020.5. Southeast Eleventh Street.

Southeast Eleventh Street, from the south line of Scott Street to the north line of Maury Street, stop.

Sec. 114-2023.5. Southeast Twelfth Street.

Southeast Twelfth Street, from the south line of Scott Street to the north line of Maury Street, stop.

- D. Traffic and Transportation has been monitoring the changing business and retail activity in the East Village, and has changed the time limit on specific parking meters in this area to provide shorter-term meters to increase turnover of these parking spaces will increase the availability of parking. The change in time limit is done by converting long-term meters generally used for employees/resident parking, to shorter term meters which support retail activity. The following change to the Municipal Code will place the shorter-term meters into effect on East 4<sup>th</sup> Street between East Walnut and East Locust.

Sec. 114-4081. East Fourth Street—East Walnut Street to Des Moines Street.

East Fourth Street, on the west side, from East Walnut Street to East Locust Street, ~~ten-hour meters~~ four-hour meters, 8:00 a.m. to 6:00 p.m.

- E. At the request of the Solid Waste Division of the Public Works Department, Traffic and Transportation has been asked to review the parking area on the west side of 49th Place south of

Urbandale Avenue. Solid Waste vehicles have been obstructed in the area just north of the curve by parked vehicles. To eliminate this problem, Solid Waste has recommended that the existing no parking any time area be extended to the north by an additional 25 feet, but only restrict parking in this area on Monday, the day of Solid Waste pickup. The following revision to the Municipal Code will place this new restriction into effect.

Sec. 114-2939. Forty-ninth Place—Hickman Road to Urbandale Avenue.

Forty-ninth Place, on the west side, from a point ~~165~~ 120 feet south of Urbandale Avenue to a point ~~40~~ 85 feet south thereof, no parking 7:00 a.m. to 5:00 p.m., Monday any time.

- F. In conjunction with the construction of the Western Gateway area between 13<sup>th</sup> Street and 15<sup>th</sup> Street (Grand Avenue to Locust Street) the following requested ordinance changes would remove existing restrictions that are no longer applicable in this area and add on-street parking metered areas consistent with the approved construction plans for this area. These changes also remove all parking ordinances on 14<sup>th</sup> Street between Grand Avenue and Locust Street since 14<sup>th</sup> Street will be permanently closed and the pavement removed.

~~Sec. 114-3994. Fourteenth Street—Locust Street to Grand Avenue.~~

~~Fourteenth Street, on the east side, from Locust Street to Grand Avenue, ten hour meters, 8:00 a.m. to 6:00 p.m.~~

~~Fourteenth Street, on the west side, from a point 25 feet north of Locust Street to a point 140 feet north thereof, ten hour meters, 8:00 a.m. to 6:00 p.m.~~

~~Fourteenth Street, on the west side, from a point 165 feet north of Locust Street to Grand Avenue, ten hour meters, 8:00 a.m. to 6:00 p.m.~~

Sec. 114-4012. Grand Avenue--Thirteenth Street to ~~Fourteenth~~ Fifteenth Street.

Grand Avenue, on the south side, from a point ~~30~~ 20 feet west of Thirteenth Street to a point ~~190 feet west thereof~~ 33 feet east of Fifteenth Street, four-hour meters, 8:00 a.m. to 4:00 p.m.

~~Grand Avenue, on the south side, from a point 240 feet west of Thirteenth Street to a point 75 feet east of Fourteenth Street, four hour meters, 8:00 a.m. to 4:00 p.m.~~

Grand Avenue, on the north side, from Fourteenth Street to a point 85 feet east of Fifteenth Street, four-hour meters, 8:00 a.m. to 4:00 p.m.

~~Sec. 114-4013. Grand Avenue—Fourteenth Street to Fifteenth Street.~~

~~Grand Avenue, on the south side, from a point 60 feet east of Fourteenth Street to a point 110 feet east of Fifteenth Street, four-hour meters, 8:00 a.m. to 6:00 p.m.~~

~~Grand Avenue, on the south side, from Fifteenth Street to a point 110 feet east thereof, no parking any time.~~

~~Grand Avenue, on the north side, from Fourteenth Street to a point 85 feet east of Fifteenth Street, four hour meters, 8:00 a.m. to 4:00 p.m.~~

Sec. 114-4028. Locust Street-- Thirteenth Street to ~~Fourteenth~~ Fifteenth Street.

Locust Street, on the north side, from a point ~~40~~ 20 feet west of Thirteenth Street to a point ~~105~~ 90 feet west thereof, four-hour meters, 9:00 a.m. to 6:00 p.m.

Locust Street, on the north side, from a point ~~225~~ 165 feet west of Thirteenth Street to ~~Fourteenth Street~~ a point 20 feet east of Fifteenth Street , four-hour meters, 9:00 a.m. to 6:00 p.m.

~~Sec. 114-4029. Locust Street-- Fourteenth Street to Fifteenth Street.~~

~~Locust Street, on the north side, from Fourteenth Street to a point 235 feet east of Fifteenth Street, four hour meters, 9:00 a.m. to 6:00 p.m.~~

~~Locust Street, on the north side, from a point 30 feet east of Fifteenth Street to a point 195 feet east thereof, four hour meters, 9:00 a.m. to 6:00 p.m.~~

Sec. 114-3431. Locust Street-- Thirteenth Street to ~~Fourteenth~~ Fifteenth Street.

Locust Street, on the north side, from Thirteenth Street to a point ~~40~~ 20 feet west thereof, no parking ~~4:00 p.m. to 6:00 p.m. and 10:00 p.m. to 9:00 a.m.~~ anytime.

Locust Street, on the north side, from a point ~~145~~ 20 feet west of Thirteenth Street to a point ~~80~~ 90 feet west thereof, ~~commercial loading zone~~ no parking 7:00 a.m to 9:00 a.m.

Locust Street, on the north side, from a point 20 feet west of Thirteenth Street to a point 90 feet west thereof, resident permit parking only, 6:00 p.m. to 7:00 am.

Locust Street, on the north side, from a point 110 feet west of Thirteenth Street to a point 55 feet west thereof, no parking anytime.

~~Locust Street, on the north side, from a point 40 feet west of Thirteenth Street to Fourteenth Street, no parking 7:00 a.m to 9:00 a.m.~~

~~Locust Street, on the north side, from a point 40 feet west of Thirteenth Street to Fourteenth Street, resident permit parking only, 6:00 p.m. to 7:00 a.m.~~

Locust Street, on the north side, from a point 165 feet west of Thirteenth Street to a point 20 feet east of Fifteenth Street, no parking 10:00 p.m. to 9:00 a.m.

Locust Street, on the south side, from a point 300 feet west of Thirteenth Street to Fifteenth Street, no parking any time.

Locust Street, on the north side, from Fifteenth Street to a point 20 feet east thereof, no parking anytime.

~~Sec. 114-3432. Locust Street-- Fourteenth Street to Fifteenth Street.~~

~~Locust Street, on the south side, from Fourteenth Street to Fifteenth Street, no parking any time.~~

~~Locust Street, on the north side, from Fourteenth Street to a point 30 feet east of Fifteenth Street, no parking 10:00 p.m. to 9:00 a.m.~~

~~Locust Street, on the north side, from Fifteenth Street to a point 30 feet east thereof, no parking any time.~~

~~Locust Street, on the north side, from a point 195 feet east of Fifteenth Street to a point 40 feet east thereof, commercial loading zone.~~

Sec. 114-3256. Grand Avenue-- Thirteenth Street to ~~Fourteenth~~ Fifteenth Street.

Grand Avenue, on the south side, from Thirteenth Street to a point ~~30~~ 20 feet west thereof, no parking any time.

~~Grand Avenue, on the south side, from a point 140 feet west of Thirteenth Street to a point 100 feet west thereof, commercial loading zone.~~

Grand Avenue, on the south side, from a point ~~30~~ 20 feet west of Thirteenth Street to a point ~~75~~ 190 feet east of ~~Fourteenth Street~~ thereof, resident permit parking only, 6:00 p.m. to 7:00 a.m.

Grand Avenue, on the south side, from ~~Fourteenth~~ a point 210 feet west of Thirteenth Street to a point ~~75 feet east thereof, no parking any time~~ 260 feet east of Fifteenth Street, no parking 10:00 p.m. to 8:00 a.m.

Grand Avenue, on the south side, from a point 20 feet west of Thirteenth Street to a point 33 feet east of Fifteenth Street, no parking 4:00 p.m. to 6:00 p.m.

Grand Avenue, on the north side, from Fourteenth Street to a point 85 feet east of Fifteenth Street, no parking 4:00 p.m. to 6:00 p.m. and 10:00 p.m. to 7:00 a.m.

Grand Avenue, on the north side, from Fifteenth Street to a point 85 feet east thereof, no parking any time.

Grand Avenue, on the south side, from Fifteenth Street to a point 33 feet east thereof, no parking anytime.

~~Sec. 114-3257. Grand Avenue-- Fourteenth Street to Fifteenth Street.~~

~~Grand Avenue, on the north side, from Fourteenth Street to a point 85 feet east of Fifteenth Street, no parking 4:00 p.m. to 6:00 p.m. and 10:00 p.m. to 7:00 a.m.~~

~~Grand Avenue, on the south side, from a point 60 feet east of Fourteenth Street to a point 110 feet east of Fifteenth Street, no parking 10:00 p.m. to 7:00 a.m.~~

~~Grand Avenue, on the south side, from Fifteenth Street to a point 60 feet east thereof, no parking any time.~~

~~Grand Avenue, on the north side, from Fifteenth Street to a point 85 feet east thereof, no parking any time.~~

Sec. 114-2759. Fifteenth Street- -Walnut Street to Ingersoll Avenue.

~~Fifteenth Street, on the west side, from Locust Street to a point 185 feet north thereof, no parking 10:00 p.m. to 7:00 a.m.~~

- G. Traffic and Transportation has reviewed the parking and traffic control signing in the vicinity of the new Iowa Events Center and recommends that the west side of 2<sup>nd</sup> Avenue between Center and Crocker Streets be designated no parking any time. The Iowa Events Center will be allowed to use this area for equipment staging during load-in or load-out, but this lane will be available for heavy northbound traffic on 2<sup>nd</sup> Avenue during the afternoon peak period. The following ordinance changes are necessary to implement this parking restriction.

Sec. 114-3961.01. Second Avenue--Watson Powell Jr Way to School Street.

Second Avenue, on the west side, from Watson Powell Jr Way to ~~a point 50 feet south of Crocker Center~~ Street, four hour meters, 8:00 a.m. to 4:00 p.m.

Sec. 114-2589. Second Avenue--Grand Avenue to University Avenue.

Second Avenue, on the west side, from Watson Powell Jr Way to ~~a point fifty feet south of Crocker Center~~ Street, no parking 4:00 p.m. to 6:00 p.m.

Second Avenue, on the west side, from ~~a point fifty feet south of Crocker Center~~ Street to University Avenue, no parking any time.

**PREVIOUS COUNCIL ACTION(S): NONE**

Date:

Roll Call Number:

Action:

**BOARD/COMMISSION ACTION(S):**

Date: February 14, 2006

Roll Call Number: None

Action: Approval of staff recommendations.

**ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:**

Second and Third readings of Ordinance.