

DRAFT NW NORTHFIELD HIGHWAY CORRIDOR STUDY NORTH-SOUTH ROUTE ALTERNATIVE EVALUATION MATRIX (RELATIVE COMPARISON – NOT ABSOLUTE)

Key: ○ High    ◐ Medium    ● Low

| Alternatives/Amount New Alignment   | TRANSPORTATION SYSTEM & TRAFFIC ISSUES         |   |   |  | COMMUNITY ISSUES                               |  |   |   | ENVIRONMENTAL ISSUES  |  |  |  |                                     |
|---|--|---|---|--|--|--|---|---|---|--|--|--|-------------------------------------|
|   | Consistent with Planned Functional Road System | Addresses Traffic Operation and Safety Issues | Consist with Mn/DOT & County Access/ Spacing Guidelines | Provides Adequate North/South Road Connections | Consistency with Community Plans or Agreements | Compatibility with and Proximity to City's Planned Economic Development Area | Ability to Implement with Planned Development | Ability to Divert Regional Trips from Local Roads | Alignment Impacts<br><small>(New = parcels on new alignment<br/>Exist = parcels on existing roadway)</small>          | Estimated Dakota Co. Farmland & Natural Area (FNAP) Land Impacts               | Estimated Wetland (U.S. Fish & Wildlife) Impacts | Estimated Watersheds (Heath Creek, Chub, Mud, N. Cannon) Impacts | Estimated Historic Resource Impacts |
| No Build<br>No New Alignment  | ●  | ●   | ●   | ●  | ●  | ●  | ●   | ●   | None  | None   | None   | None   | None                                |
| Alternative 1—<br>Extend CSAH 23/Galaxie Ave (in Eureka Twp) SW to Garrett Ave<br>3.5 miles                           | ○  | ○   | ○   | ○  | ●  | ●  | ●   | ●   | New = 30<br>Exist = 41<br>Total = 71  | 12 acres Impacts to land in Dakota County's Farmland and Natural Areas Program | 14 acres   | TBD  | TBD                                 |
| Alternative 2—<br>Extend CSAH 23/Foliage Ave south to Garrett Ave at CR 96/320 <sup>th</sup> St<br>1.2 - 2.2 miles    | ○  | ○   | ○   | ○  | ○  | ●  | ◐   | ◐   | Alt.    A    B<br>New = 16    16<br>Exist = 58    81<br>Total = 74    97<br><br>1 home<br>(alignment-2A)              | None   | 2.5 acres<br>(Northern alignment-2A)             | TBD  | TBD                                 |
| Alternative 3—<br>Connect Foliage to Garrett Ave between CR 96/320 <sup>th</sup> Ave and North Ave<br>0.9 – 1.9 miles | ○  | ○   | ○   | ○  | ○  | ○  | ○   | ◐   | Alt.    A    B<br>New = 14    14<br>Exist = 68    84<br>Total = 82    98<br><br>1 home<br>(alignment-3A)              | Potential application in alternative corridor                                  | 2.5 acres<br>(Northern alignment-3A)             | TBD  | TBD                                 |
| Alt 4— Extend Foliage Ave to Decker Ave via Eaves Avenue<br>0.6 – 1.6 miles   | ●  | ◐   | ○   | ◐  | ●  | ○  | ○   | ◐   | Alt.    A    B<br>New = 24    24<br>Exist = 50    66<br>Total = 74    88<br><br>3 homes<br>(1 home from alignment-4A) | None   | 2.5 acres<br>(Northern alignment-4A)             | TBD  | TBD                                 |
| Alt 5— Extend Foliage Ave to Decker Ave via Old Dutch Road<br>1.8 – 2.8 miles   | ◐  | ○   | ○   | ◐  | ◐  | ○  | ○   | ○   | Alt.    A    B<br>New = 23    23<br>Exist = 40    54<br>Total = 73    77<br><br>1 home<br>(alignment-4A)              | None   | 2.5 acres<br>(Northern alignment-4A)             | TBD  | TBD                                 |