



CITY OF CHANHASSEN

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MEMORANDUM

TO: Planning Commission

FROM: Robert Generous, AICP, Senior Planner
George Bender, PE, Assistant City Engineer

DATE: April 20, 2021

SUBJECT: 2040 Comprehensive Plan: Transportation
Section 20-5 of the Chanhassen City Code, Collector Streets

PROPOSED MOTION:

“The Chanhassen Planning Commission recommends that City Council approve the proposed 2040 Comprehensive Plan Amendment to Chapter 6, Transportation, Section 6.5, System Plan, Major and Minor Collectors, and Figure 6.7, Functional Classification Map and Amend Section 20-5 of the Chanhassen City Code.”

BACKGROUND

The city adopted the 2040 Comprehensive Plan on February 10, 2020.

The Minnesota Department of Transportation (MnDOT), per Federal Highway Administration (FHWA) requirements, must review and update the functional classification of each roadway in the state. MnDOT completed this review for Greater Minnesota in 2015 and 2016, and then review of the metro counties needed to be completed as soon as possible. This project included review of all roadway functional classifications from Local to Principal Arterial. This process included reviewing maps created for each city (such as Chanhassen), identifying any possible roadways for further review on their existing functional classification and figuring out solutions to create final updates to submit to the FHWA. Based on this review, the revisions to the functional classification were recommended.

The proposed changes to the functional classification system have been submitted to 21 jurisdictions for review. We have received eight responses as of April 15, 2021.

DISCUSSION

Major Collectors are designed to serve shorter trips that occur entirely within the city and provide access from neighborhoods to the arterial system. These roads supplement the arterial system in the

sense that they emphasize mobility over land access, but they are expected, because of their locations, to carry less traffic than arterial roads.

Minor collectors are streets or roadways providing travel between local streets and the arterial roadway network, or serving multifamily development or neighborhood centers or services such as fire stations, parks or schools. Minor collectors are designed to serve shorter trips within a city and, generally, accommodate fewer trips than major collectors or arterials. Minor collectors connect to other collector or arterial streets.

CITY CODE - IDENTIFICATION OF ARTERIAL AND COLLECTOR STREETS

Staff is revising the list of arterial and collector streets to be consistent with the 2040 Comprehensive Plan and to clarify the road segments being specified.

Sec. 20-5. - Identification of arterial and collector streets.

For purposes of this chapter, the following are identified as arterial and collector streets:

Arterial streets:

County Road 14 (Pioneer Trail)
County Road 15 (**Galpin Boulevard south of Trunk Highway 5 and** Audubon Road south of Lyman Boulevard)
County Road 17 (Powers Boulevard)
County Road 18 (Lyman Boulevard west of County Road/~~Trunk Highway~~ 101)
County Road 19 (Galpin Boulevard south of Trunk Highway 5)
County Road 61 (Flying Cloud Drive)
~~County Road 101/Trunk Highway 101/~~**County Road 101** (north to south corporate city limits)
Dell Road (Highway 5 south to corporate city limits)
Trunk Highway 5
Trunk Highway 7 (Principal)
Trunk Highway 41
U.S. Highway 212 (Principal)

Collector streets:

82nd Street (**Trunk Highway 41 to Century Boulevard**)
Avienda Parkway
Audubon Road (north of Lyman Boulevard **to West 78th Street**)
Bluff Creek Boulevard
Bluff Creek Drive
Century Boulevard (from West 78th Street to 82nd Street)
Coulter Boulevard
County Road 117 (Galpin Boulevard north of Trunk Highway 5)

Dakota Avenue (Highway 5 to Lake Drive East)
Dell Road (north to south corporate city limits)
Eagle Ridge Road and its connection to Powers Boulevard
Dell Road (Trunk Highway 5 north to corporate city limits)
Galpin Boulevard (County Road 117) (Highway 5 to north city limits)
Great Plains Boulevard (West 78th Street to Grandview Road **Lake Drive East**)
Kerber Boulevard
Lake Drive (**County Road 17 to County Road 101**)
Lake Drive East (**Great Plains Boulevard to Dell Road**)
Lake Drive West (**Audubon Road to County Road 17**)
Lake Lucy Road (Trunk Highway 41 to Powers Boulevard)
Longacres Drive
Lyman Boulevard (east of County Road/~~Trunk Highway~~ 101)
Market Boulevard (Trunk Highway 5 to West 78th Street)
Minnewashta Parkway (**Trunk Highway 7 to Trunk Highway 5**)
Park Road
Pleasant View Road
Stoughton Avenue
West 78th Street (Trunk Highway 41 to County Road/~~Trunk Highway~~ 101)
Yosemite Avenue

COMPREHENSIVE PLAN: TRANSPORTATION

Chapter 6 of the City of Chanhassen 2040 Comprehensive Plan deals with transportation. The proposed amendments would amend the Major and Minor Collector Streets.

Proposed Amendments (changes shown highlighted in yellow (additions) and strike-throughs (removals)):

The following roadways are recommended as Major Collectors in Chanhassen.

Bluff Creek Boulevard – This route provides an east-west connection from CSAH 15 to CSAH 17 and U. S. Highway 212 interchange. The eastern portion of this roadway will be constructed with the development of the adjacent property.

Bluff Creek Drive – This route provides a north-south connection from Bluff Creek Boulevard and Pioneer Trail (CSAH 14) to Flying Cloud Drive.

Century Boulevard – This route provides a north south link between West 78th Street, TH 5 and 82nd Street West.

~~**Coulter Boulevard**~~ – Coulter Boulevard serves two functions. These include local access south of TH 5 and a parallel collector to TH 5 capable of carrying off loaded local trips of short to medium length.

Dakota Avenue (TH 5 to Lake Drive East) – This route completes the connection of TH 101.

Dell Road (north to south corporate city limits).

Galpin Boulevard (CR 117) north of TH 5 – This route connects TH 5 to Shorewood and Highway 7 and is approximately midway between TH 41 and CSAH 17.

Great Plains Boulevard – This route connects West 78th Street to Grandview Road.

Kerber Boulevard – This route connects West 78th Street in downtown Chanhassen to Powers Boulevard and is parallel to Powers Boulevard.

Lake Drive and Lake Drive West (Audubon Road to Powers Boulevard); Lake Drive and Lake Drive East (Powers Boulevard – Dell Road) – Lake Drive serves two functions: local access south of TH 5 and a parallel collector to TH 5. This route is capable of carrying off-loaded local trips of short to medium length. The city undertook a joint project with MnDOT and the City of Eden Prairie to extend Lake Drive East to the city line where it merges with the signalized intersection at TH 5 and Dell Road.

Lake Lucy Road – Lake Lucy Road serves as the only east-west connection between TH 41 and CSAH 17 in northern Chanhassen.

Market Boulevard – This route provides a link between TH 5 and downtown Chanhassen.

Minnewashta Parkway – This street serves as the only north/south route between TH 5 and TH 7 west of Lake Minnewashta. It is also located such that it likely serves some through trips from outside the city along TH 5, traveling to the north to TH 7, as well as locally generated traffic along its route.

Pleasant View Road – Pleasant View Road serves as the only east-west connection between CSAH 17 and TH 101 in northern Chanhassen.

West 78th Street – This east-west route connects TH 41 to TH 101. It parallels TH 5 and provides local access to the properties adjacent to TH 5.

Minor Collectors

Avienda Parkway – North access road connecting Lyman Boulevard and Bluff Creek Boulevard.

Bluff Creek Boulevard – This route provides an east-west connection from CSAH 15 to CSAH 17 and U. S. Highway 212 interchange. The eastern portion of this roadway will be constructed with the development of the adjacent property.

Bluff Creek Drive – This route provides a north-south connection from Bluff Creek Boulevard and Pioneer Trail (CSAH 14) to Flying Cloud Drive.

Century Boulevard – This route provides a north-south link between West 78th Street, TH 5 and 82nd Street West.

Dakota Avenue (TH 5 to Lake Drive East) – This route completes the connection of TH 101.

Coulter Boulevard – Coulter Boulevard serves two functions. These include local access south of TH 5 and a parallel collector to TH 5 capable of carrying off loaded local trips of short to medium length.

Eagle Ridge Road and Future Extension – Connects CSAH 101 to CSAH 17.

Great Plains Boulevard – This route connects West 78th Street to Lake Drive East.

Kerber Boulevard – This route connects West 78th Street in downtown Chanhassen to Powers Boulevard and is parallel to Powers Boulevard.

Lake Drive and Lake Drive West (Audubon Road to Powers Boulevard).

Longacres Drive – Connects Highway 41 to Galpin Boulevard.

~~Market Boulevard – This route provides a link between TH 5 and downtown Chanhassen.~~

Pleasant View Road – Pleasant View Road serves as the only east-west connection between CSAH 17 and TH 101 in northern Chanhassen.

Yosemite – Lake Lucy Road to city boundary provides a valuable link between Chanhassen and Excelsior. (This route has been added to the collector system since the 2030 Comprehensive Plan.)

The ultimate roadway system is based upon the functional classification presented above. It reflects full development of the city according to the land use plan and socioeconomic forecasts presented earlier. The roadway cross-section identified for each classification would be expected to be in place at the time full development is achieved.

RECOMMENDATION

Staff recommends that the Planning Commission approve Comprehensive Plan and the City Code amendments.

ATTACHMENTS

1. Ordinance Amendment, Chapter 20, Section 20-5, Identification of Arterial and Collector Streets
2. 2040 Comprehensive Plan Major and Minor Collector Roadways
3. 2040 Comprehensive Plan, Figure 6.7, Functional Classification Map
4. MnDOT Functional Classification Map
5. Public Hearing Notice

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