

8/30/2023

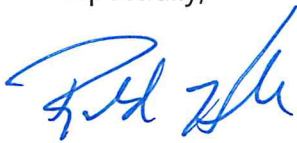
Diego Balmoriz
CHS, Inc
5500 Cenex Drive
Inver Grove Heights, MN 55077

Subject: CHS Inc. Operational Plan for Level 3, Autonomous Trucks

Dear Mr. Balmoriz

The North Dakota Department of Transportation (NDDOT) and the North Dakota Highway Patrol (NDHP) have reviewed the Operational Plan for Level 3, autonomous trucks submitted by CHS Inc. to operate in North Dakota. As submitted, the plan is within the limits of North Dakota state laws. The NDDOT and NDHP approve operations on State Highways as described in the provided plan with a CDL safety rider in the follower vehicle. CHS Inc. must get local approval for those roads not on the State Highway system.

Respectfully,



Ronald J. Henke, PE
NDDOT Director



Col. Brandon Solberg
NDHP Colonel

70/tll/tll

Attachment

c: Maj. Tom Iverson, NDHP Chief of Operations
Wayde Swenson, P.E., NDDOT Office of Operations Director
Brad Darr, P.E., NDDOT Maintenance Engineer

CHS Inc - Autonomous Vehicles - Level 3 - Operational Plan Minot, Fargo ND

Vehicle Type	Class 8 Trucks
Trailer Type	Dry Vans
Route Distance	281 miles
Estimated Run Time	4:12:00 hours

Origin	CHS Inc Agronomy - Crop Protection Warehouse Minot	2705 30th Ave NE, Minot, ND 58703, USA
Destination	CHS Inc Agronomy - Crop Protection Warehouse Fargo	4004 33rd St N W, Fargo, ND 58102, USA
Description	<p>- A driver will be present in each vehicle at all times. - Operation is restricted to 4 lane roads. - Operating Distance Range: Min: 50 feet (on - off ramps) Max: 600 feet Average: 200 feet <u>System is capable of handling 1,600 feet distance between units.</u></p>	
Frequency (High Season)	Daily Monday to Friday	1 to 2 times per day April to August
Frequency	Every other Day Monday to Friday	1 trip per operative day



Step by Step Directions	Distance	# of Lanes
Direction	Distance	# of Lanes
West on 30th Ave NE toward 27th St NE	699 ft	2 Lanes
Turn left at the 1st cross street onto 27th St NE	2.00 mi	2 Lanes
Turn left onto Railway Ave	1.98 mi	2 Lanes
Turn right onto 55th St NE	755 ft	2 Lanes
Continue onto 55th St NE	0.610 mi	2 Lanes
Turn left onto U.S. Rte 2 E	203 mi	4 Lanes
Slight right to merge onto I-29 S/US-81 S	71.6 mi	Exit 1 Lane -> 4 Lanes
Take exit 69 for County Rd 20	1,227 ft	Exit 1 Lane
Turn left onto 40th Ave NW	0.928 mi	2 Lanes
Turn left onto 33rd St N W	289 ft	2 Lanes