GOLDEN HILLS

TRANSPORTATION MONITORING REPORT

Presented to the Board of Trustees by Bevan Daverne, Superintendent of Schools
Resource Persons:
Tahra Sabir, Secretary Treasurer
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February 23, 2021

REPORTING PERIOD: September 1, 2019 – August 31, 2020 and September 1, 2020 to current

OVERVIEW:

Alberta Education provides funding to school boards to operate or contract transportation systems for Kindergarten to Grade 12 students.

Annually, administration provides a Transportation Services Monitoring Report for information. This report provides opportunity to consider the impact of Transportation Policy on the education of students in the jurisdiction.

SUMMARY & IMPLICATIONS:

- Safety is paramount and Golden Hills has made this a priority with success.
- Currently (2020/2021) Golden Hills operates 100% of our the bus routes.
- Future Initiatives Continue to increase efficiency with increased flexibility to support Golden Hills' program initiatives.
 - Website Bus Status Updates
 - School Messenger messaging for parents regarding bus delays, cancellations, etc.
 - Bus Planner Software Implementation (drivers and schools)
 - School of Choice to all Strathmore area students, Rural and Urban
 - Additional Routes to help reduce Ride Times
 - Field trips on track to increase (this was impacted by COVID)
 - Choice Ridership continues to increase
 - Implementation of cameras on bus with live feed/recording
 - Additional Government Regulations for Bus Drivers (MELT)
 - Keep Truckin App
 - My Attendance Tracker
 - MELT 2-S Authorized Driving School

RECOMMENDATION:

That the Board of Trustees receives the Transportation Monitoring Report for information and the record.

Safety - #1 Priority

Golden Hills transports over 3,500 students, 177 days a year over an area of 8,400 square kilometers for a total of 2,400,000 km a year. Safety of transporting students is the number one priority and continues to be successful.

Golden Hills monitors bus routes in a variety of ways which include driver and parent consultation. Golden Hills works with the busing industry to develop a standardized route risk assessment checklist to ensure that all areas of the province are consistently applying best practices concerning the safety of routes and any modifications required due to adverse conditions such as weather and geographical challenges. This government program formalizes the procedures and standardizes the assessments for all routes in Alberta.

New Operator Training – Effective March 2020

In the past Golden Hills provided S-Endorsement training. The new provincial rules require a certification process to be an approved Melt2-S driving school. Golden Hills is currently working through that process.

Senior Driving Instructor Approved Melt 2-S Driving School

In order to qualify as an approved Melt 2-S driving school, GHSD must have **qualified senior driving instructor**. This driver must:

- ✓ Have a minimum of 24 months of consectutive driver training experience (GHSD "S" Endorsement)
- ✓ Complete 2 classroom sessions and 2 practical sessions "S"

 Endorsement
- ✓ Be approved by Driver Programs Administrator as a Driving Instructor in good standing
- ✓ Complete 2 classroom sessions and 2 practical sessions "S" Endorsement
- ✓ Be recommended by the Driver Training School
- ✓ Successfully complete Senior Driving Instructor knowledge test
- ✓ Provide signed copy of Senior Instructor Duties Acknowledgement Form

*Once this process is complete, GHSD will be an approved Melt 2-S Driver Training School

Please see Safe Driving Program (<u>Appendix A</u>) (Pages 13-15) Please see Route Risk Assessments (<u>Appendix B</u>) (Pages 16-17)

Bus Route Inclement Weather (AP 131) - Currently Under Review

In January 2015, Golden Hills implemented an updated Inclement Weather Administrative Procedure (AP 131). This Administrative Procedure introduced some significant changes to how stakeholders (parents, staff, managers, administrators and senior administration) are notified of school closures and a new procedure for the decision making process.

Three levels of school closures were introduced:

Levels	Description
	Due to weather and travel conditions, some buses are not running.
Green Closure	School is open and regular classes will be offered.
Yellow Closure	Due to severe weather and travel conditions, no buses are running. School is open but regular classes are not being offered. We encourage parents and students to stay home and avoid the risks of travel.
Red Closure	Due to the severe weather and travel conditions school is closed. Do not send students to school. Due to the severe weather we are unable to ensure the school doors will be unlocked, or any staff will be in the building.

- Bus drivers play a primary role in the decision making process as they are the first to evaluate
 weather conditions and decide if it is safe to transport students. Bus drivers are to inform
 adminstrators, transportation manager and parents/students of any service
 interrruptions/cancellations.
- Administrators will call the Superintendent for approval to declare either a yellow or red closure level
- Parents, students, and staff are informed as early as 6:30 am. Cancellations are posted to school websites, Facebook pages, and other social media. Messages are also sent by text and phone.
- Notice of school closure will NO LONGER be distributed by radio or television stations.
- Golden Hills continues the practice of running an afternoon bus (when the weather conditions
 have improved significantly and it is safe to do so) if the morning bus was cancelled due to
 weather conditions.

AM Bus Ca	ncellations	Bus Ran in PM		
2019/2020	2018/2019	2019/2020 2018/2019		
176	150	69 (39%)	84 (56%)	

74% Weather related cancellations19% Mechanical7% Driver shortage

No Child Left Behind

"No Child Left Behind" is a system that forces the driver to go to the back of the bus before it can be shut off. This prevents students from being left on a bus after a run. Currently all of our route buses have this system. We have 3 buses that do not have this system, our "Hockey Bus" and 2 of our spare buses which are primarily used for sporting events and field trips.

A two part "post-trip" inspection has been introduced which drivers perform shortly after drop-off at their last stop and then again when the bus is parked at the park-out to ensure that no students or belongings are left on the bus.

Budget / Financial Implications

The Chart below shows the Projected Revenue and Expenses for the Transportation Department for 2020/2021 and provides the 2019/2020 Audited Financial Statements.

	Budget			
Description	2020/2021	% Of Budget	AFS 2019/2020	% of Budget
Revenue				
Grants	4,258,285	100%	3,418,372	98%
Fees/Other Sales & Service	-	0%	54,146	2%
Total Revenue	4,258,285		3,472,518	
Expenses				
Salaries and Benefits	1,890,849	44%	1,478,246	47%
Supplies and Services	1,681,029	39%	990,815	31%
Amortization	686,407	16%	709,517	22%
Total Expenses	4,258,285		3,178,578	
Net Surplus			293,941	

Challenges to our Budget

- Carbon Tax
- Fuel funded at \$0.60 per litre; (cost can be as much as double)
- Sparsely populated Rural areas impact efficiency.

Fuel Costs

	2020	2019	2018
Average Cardlock Fuel (\$/I)	\$0.82	\$1.12	\$1.16
Average Fuel at Pump (\$/I)	\$0.95	\$1.12	\$1.23

Fee Structure

Golden Hills eliminated all transportation fees as of the 2012/13 school year. We believe this has positively impacted our enrolment.

Fleet

Pursuant Administrative Procedure 555, *Bus Replacement*, it is desirable to replace buses on a timely basis for the safety and efficiency of the operation. Urban buses are replaced within 14 years and rural buses are replaced within 12 years. Golden Hills continues to ensure buses are replaced within the appropriate time periods while taking budget constraints into consideration.

Currently Golden Hills operates 71 routes with 86 runs; however spare buses (21%) are needed for the fleet to operate efficiently while maintaining the current levels of service. Some of the challenges are:

- 1. Allowing for optimal amount of wheelchair buses;
- 2. Having buses available for field trips that overlap regular routes; and
- 3. Golden Hills is a large geographical area and we need to ensure there are spare buses distributed throughout the division to ensure they are quickly available when needed.

	2020/	2021	2019/	2020
Age of Bus	# of Buses	% of Fleet	# of Buses	% of Fleet
0-2 years	1	1%	1	1%
3-5 years	62	65%	79	83%
6-10 years	29	31%	4	4%
11-17 years	2	2%	9	9%
18+ years	1	1%	3	3%
Total	95	100%	96	100%

Field Trips

Golden Hills Transportation supports all schools in the division with busing for students on field trips and extra-curricular events. The following table shows how many field trips occurred.

	2019/2020	2018/2019
In Town Field Trips	80 (22%)	251 (22%)
Out of Town Field Trips	160 (44%)	603 (52%)
Non GHSD Field Trips	63 (20%)	124 (10%)
International	51 (14%)	185 (16%)
Total Field Trips	360	1,163

We supply both operators and buses for school field trips.

*Break down of the Non-GHSD Rentals:

Salvation Army	2
Holy Cross Collegiate	52
Girl Guides of Canada	1
Carseland Jet Setters	2
Drumheller C.O.P	2
Red Deer College	1
Synergy Wellness	1
Division Office	1
Foothills AIM Society	1

Bus Size

A common public misconception is cost savings associated with bus size. Golden Hills often chooses to purchase a bigger bus to maximize their flexibility (change buses from one area to another) and efficiency (schools can hire one bus for a field trip vs. two) and effectiveness (in an emergency evacuation for either a community or school).

The major cost associated with bus routes is the labour. Differential fuel, tire and insurance costs for a small or larger bus is minimal. The benefit of a larger bus is the flexibility, efficiency and effectiveness.

Board and Contracted Route Information

Costs

• Cost per kilometer continues to decrease in correlation to the price of diesel.

Number of Routes and History of Routes

Year	Total Routes	Total Runs	Board Operated	% Board Operated	Contracted	% Contracted
2020/2021	71	86	71	100%	0	0%
2019/2020	72	86	72	100%	0	0%
2018/2019	75		72	96%	3	4%
2017/2018	73		70	96%	3	4%
2016/2017	79		76	96%	3	4%

• Table above shows how Board owned routes have increased to reduce costs and increase flexibility.

Staffing

Table below shows the staffing levels (total full time equivalent) in the transportation department.

	2020/2021	2019/2020	2018/2019
Administration	2.5	2.5	2
Trades	3	3	2.6
Bus Driver	71	71	72
Shop Helper	1	1	1
Total	77.5	77.5	77.6

Golden Hills has maintenance shops located in Strathmore and Trochu.

The purpose of the transportation shops are to provide mechanical services to the board owned buses. Regular maintenance continues to be a priority to ensure safety. As per the Commercial Vehicle Program requirements, inspections are performed at a minimum of twice a year. Oil changes are performed every 5,000 km or 10,000 km depending on the type of engine. Currently the newer V8 and V6 cylinder engines require oil changes every 10,000 km, however any bus older than the year 2000 requires oil changes every 5,000 km (currently have 3).

Ridership Information

Currently (2020/2021) Golden Hills is transporting 2,278 students which represents 37% of our regular funded student enrolment. Alberta has approximately 733,600 students and about 50% of those students ride the bus on a daily basis.

Year	Students that ride the bus	% of Total
2020/2021	2,278	37%
2019/2020	3,428	56%
2018/2019	3,467	57%
2017/2018	3,200	50%
2016/2017	3,471	52%
2015/2016	3,055	50%

Town of Strathmore route buses are doing 2 runs:

- Run #1. Flementary run and
- Run #2, Jr/Sr High run.

Urban and Rural

Table below shows the distribution percentage of urban and rural funded students transported by bus for two years. (These numbers do not include Siksika and International students)

Year	Totals	Urban	Rural
2020/2021	2,279	753 (33%)	1,526 (67%)
2019/2020	3,428	1,094 (32%)	2,334 (68%)
2018/2019	3,467	1,096 (32%)	2,371 (68%)

Courtesy and Choice

Courtesy Rider - someone who lives less than 2.4 km from their designated school and is meeting an existing route.

The Table below shows the percentage of courtesy riders who are urban and rural.

Courtesy Ridership	2020/2021	Percentage	2019/2020	Percentage	2018/2019	Percentage
Urban	212/753	28%	665/1,094	61%	676/1,096	62%
Rural	230/1,526	15%	325/2,334	14%	431/2,371	18%
International	60/120	50%	183/267	25%	244	20%

Courtesy Ridership decreased for rural and urban. Please note that included in Courtesy Ridership may be choice ridership as they do not meet the 2.4 km criteria to their designated school, however we would not receive any funding to transport to their school of choice even if it was greater than 2.4 km.

Choice Ridership - someone who is meeting an existing route and is attending a school other than their designated school.

The Table below shows the percentage of choice riders who are urban and rural.

Choice Ridership	2020/2021	Percentage	2019/2020	Percentage	2018/2019	Percentage
Urban	334/753	44%	464/1,094	42%	474/1,096	43%
Rural	281/1,526	18%	416/2,334	18%	383/2,371	16%

Choice ridership has increased for both urban and rural. More students are choosing our transportation system and more students are attending a school of choice.

In summary, there is additional demand to transport students who we do not receive any funding.

Special Needs Students

Currently Golden Hills provides transportation for 114 special needs students who are designated to programs unavailable in their attendance area. The following table breaks down the type of transportation provided. Golden Hills incurs the costs and receives the funding.

	Number of Students				
Type of Transportation	2020/2021 2019/2020 2018/201				
Regular School Bus	93	93	100		
Taxi or Handicap Bus	21	17	10		
Parent Provided	11	11	10		
Totals	125	121	120		

Riders in Other Districts

Golden Hills School Division has entered into agreements with other school jurisdictions to allow students to attend a school of another school authority and to allow students who in other school jurisdictions to be enrolled in Golden Hills Schools.

	# of Students Attending other				that we have
School Division	2020/2021	2019/2020	2020/2021	2019/2020	
Grasslands Public School Division	0	0	18	18	
Palliser School Division	6	10	0	0	
Prairie Land Public School Division	11	15	16	16	
Chinook's Edge School Division	15	16	7	5	
Totals	32	41	41	39	

^{*}Only have student information from other divisions if there is an agreement. There may be other students leaving the division that we do not have any information on.

Affect

Transportation Agreements allows Golden Hills to claim grant money for the students. Transportation grants may not cover all of the expenses, however, the offset is the claim of the education grants and stability for the students attending their school of choice. At the end of the day parents and students are choosing Golden Hills.

Ride Times (Students)

We continue to try and improve ride times. This year has been challenging as we have bus driver shortages. Currently we are recruiting for full time bus drivers to split up some of our routes. This would further reduce ride times for students who experience greater than 75 minutes each way. The table below summarizes the ride times over the last 3 years.

One Way Minutes	2020/2021	2019/2020	2018/2019
75+ Minutes	1%	0%	1%
61-75 Minutes	10%	8%	14%
46-60 Minutes	22%	20%	47%
0-45 Minutes	67%	64%	39%

Communication and Culture

Communication and "customer service" are two priority areas within the Transportation Department. An area of concern is department communication with parents and students, school administration and staff, and division office staff.

With the goal of creating a cohesive and collaborative relationship between all stakeholders, our staff is developing strategies to enhance the customer service experience with our department. Training is

ongoing with our department staff (accessing PD opportunities face to face and online) as well as with our bus drivers (Fred recognition).

	Transportation Department Initiatives			
Date	Issue/Project	Action/Resolution	Date Complete	
Nov 2020	My Attendance Tracker	In order to take accurate attendance on buses, all drivers transitioned to an online attendance tracker which allows all data to be collected centrally with the ability to produce reports that are shared with schools.	Ongoing	
Sept 2020	Zoom Staff/Safety Meetings	Due to Covid 19, our department has transitioned away from face to face meetings. Drivers now participate in Zoom calls remotely from their homes.	Ongoing	
Sept 2020	Enhanced Cleaning/Disinfection	Due to Covid 19, new protocols surrounding enhanced cleaning/disinfection are in place.	Ongoing	
Sept 2019	Live cameras	Installation of additional 3 cameras (total 7) monitored daily	Ongoing	
June/July 2019	Demographic Confirmation	All parents of students currently riding buses contacted to confirm/change passenger information for 2019/20	July 2019	
June 2019	RFID Passenger Card Pilot	Pilot to test RFID cards to improve passenger management	June 2019	
June 2019	Digital Radio Pilot	Pilot to test digtal radios to improve driver communication with office during bus runs	June 2019	

Stakeholder Issues

Issue	Summary	Resolution
Child Care Transportation	Transportation from caregivers place of residence is supplied for parents when there is capacity on the bus.	Adjust bus routes to provide transportation for these students
Red Light Violations	Parents concerned with increasing number of drivers passing busses when red lights are flashing.	Working with Bylaw, Sherriff, County Peace Officers and RCMP to alert them of areas where violations are occurring. Encouraging drivers to gather information and report violations

School Start Up	Parent concerns regarding the lack of communication regarding bus pick up times and locations.	Bus Planner Web will publish stop location and time for parents to access. Dept staff will advise parents to subscribe as students are added to passenger lists. Operators will be encouraged to text/call parents prior to first day of school. Schools will be encouraged to update student information prior to the end of school year.
Bus Run Times in excess of 1 hr	Concerns with students (especially K – 1) being on the bus for long periods.	Review routes and whenever possible (when not affected by geography of area) make changes.
Bus Operator Communication	Operators not communicating with parents.	Drivers now use group text messages and Remind to contact parents. Operators advised that they must call parents to inform them about stop times and locations etc.
Unsafe Driving Practices	Concerns regarding operators driving too fast for road conditions, using cell phones, etc.	Performed evaluations, delivered letters of direction, set up driver training, created development plan for operators, advised operators of new changes to distracted driving law, implementing "no cell phones" during bus run. GPS on the bus allows us to monitor buses
Bus Climate	Concerns with driver attitude and student interaction.	Ongoing professional development regarding student management, explaining behavior expectations and creating positive climate on the bus.

Summary

- Always striving to improve overall level of information and customer service
- Funding unchanged for several years, courtesy and choice are not funded to school of attendance and we do not charge a fee to parents.

Proposed Areas for Advocacy

- 1. Choice funding to follow choice principle within reason
- 2. Equitable Funding Model funding for rural areas
- 3. Carbon Tax rebate or exemption to GHSD

Appendix A: Safe Driving Program

For the past few years Golden Hills has formalized a training and evaluation program for all our professional school bus operators. The purpose of this program is to ensure the safety of passengers on Golden Hills buses and that Golden Hills operators are equipped with the skills they need to safely operate a school bus and manage the passengers. We want to elevate the perception of school bus operators with parents and the community. School bus operators are professionals who participate in ongoing training to safely transport extremely precious cargo.

New Operator Training

Senior Driving Instructor Approved Melt 2-S Driving School	In order to qualify as an approved Melt 2-S driving school , GHSD must have qualified senior driving instructor. This driver must: ✓ Have a minimum of 24 months of consectutive driver training experience (GHSD "S" Endorsement) ✓ Complete 2 classroom sessions and 2 practical sessions "S" Endorsement ✓ Be approved by Driver Programs Administrator as a Driving Instructor in good standing ✓ Complete 2 classroom sessions and 2 practical sessions "S" Endorsement ✓ Be recommended by the Driver Training School ✓ Successfully complete Senior Driving Instructor knowledge test ✓ Provide signed copy of Senior Instructor Duties Acknowledgement Form *Once this process is complete, GHSD will be an approved Melt 2-S Driver Training School
Classroom Training MELT 2-S	MELT 2 − S training is now mandatory in Alberta. Required topics for classroom instruction are: ✓ Employment in the Busing Industry ✓ Vehicle Component & Inspection Activities ✓ Basic Driving Techniques ✓ Professional Driving Habits ✓ Off-Road Tasks & Maneuvers ✓ Documents, Paperwork & Regulatory Requirements ✓ Hours of Service Compliance ✓ Passenger Management, Loading & Unloading Passengers ✓ Handling Emergencies 18.5 Hours Required Classroom Training (New Program)
	In Yard training covers:
In Yard Training MELT 2-S	 ✓ The Pre-trip Inspection ✓ Yard Procedures ✓ Backing Procedures ✓ Parking Procedures

	 ✓ Health & Safety ✓ Workplace Hazardous Materials Information System (WHMIS) ✓ School Bus Inspections and Maintenance ✓ Bus Manoeuvres and Defensive Driving ✓ Emergencies, Bus Evacuations, First Aid, Emergency Equipment and Mechanical Breakdowns ✓ Passengers with Disabilities, Mobility Aids and Child Safety Seats 11 Hours Required In Yard Training (New Program)
	11 Hodis Regalica in Fara Halling (New Hogiani)
On Road Training	This covers: ✓ The Pre-trip Inspection ✓ Yard Procedures ✓ Commentary Driving ✓ Backing Procedures ✓ General Driving ✓ Highway Driving ✓ City Driving and Procedures ✓ Town Driving and Procedures ✓ Country Driving and Procedures ✓ Student Pick-Ups and Drop-Offs ✓ Rail Road Crossings ✓ "Turn Around" and various bus maneuvers ✓ Advanced Driving Techniques and the SMITH System(5 Keys): 1. Aim High In Steering 2. Get The Big Picture 3. Keep Your Eyes Moving 4. Leave Yourself An Out 5. Make Sure They See You ✓ The Post Trip Inspection

Driver Training Hours	GHSD Existing	MELT 2-S (Effective March 1, 2019)	
Classroom Training	20	18.5 hours	
In Yard Training	5	11 hours	
On Road Training	20 (25 if necessary)	24 hours	
S Endorsement (Classroom)	17 hours	N/A	
Total:	62 hours	53.5 hours	

 $[\]hbox{*prior to MELT 2-S the "S Endorsement" part was more flexible and the bus driver had a year to complete.}$

School Bus Operator Evaluations

Golden Hills performs three types of operator evaluations in addition to dexterity testing:

Scheduled Evaluation	 Evaluations are scheduled for the following reasons: Probationary Operators must complete a satisfactory on-road evaluation within three months of employment Scheduled Operators aged under 47: Every 5 years Operators aged 47-67: Every 2 years Operators aged over 67: Annually Remedial, for example Preventable Collision Parent Complaint Unsatisfactory Observation
On-Road Observation	Continuous monitoring involves creating a positive culture for drivers as yellow buses are monitored.
School Representative* and Parent Evaluation *An administrator or delegate responsible for monitoring the buses at the school	Golden Hills contacts the school representative and randomly contacts the parents who have children on the route to assess and identify potential issues. This is not a formalized survey, but we may consider surveys in the future.

The Transportation department has conducted 13 evaluations this year and essentially it is a five year cycle period to evaluate all our drivers. With the cancellation of our PD (Professional Development) day in March 2020, our S Endorsement Refresher class did not take place. With the suspension of classes and bus runs, it was not possible to complete the S Refresher and the evaluations that normally take place as part of this process. S Endorsement Refresher was rescheduled for our PD Day in March 2021.

An evaluation (unless remedial) consists of the School Bus Operator/ Evaluator riding along on the route and assessing communication with passengers and passenger management as well as the operators' driving skills and abilities.

As part of Golden Hills Safety Procedures we conduct Safety/Training meetings, shown in the chart below, every 3 months as well as a mandatory Professional Development day for all our Bus Operators.

	2019/2020			20	18/2019
Month	Safety Meetings	Organizational/ PD Day	Month	Safety Meetings	Organizational/ PD Day
August		3	August		3
October	5		October	5	
December	3		December	3	
March - COVID Closures	10		February		1
April – COVID Closures	10		April	5	

Appendix B: Route Risk Assessments

Route Risk Assessments are conducted at Golden Hills. These assessments are filled out by every driver in the division and then returned to the Transportation Department. Approximately 35% of the forms returned had no issues. The other 65% were returned with concerns such as weather conditions, sight distances, traffic volumes, and the need for parent/pedestrian education in bus loops. As drivers are learning more about the risk assessment process, they are better able to assess and prepare for potential risks.

In these situations Golden Hills suggested possible solutions to the bus drivers as follows:

Issue	Analysis	Recommendation
Weather	Snow drifts, sleet, fog, rain, etc.	Encourage drivers to follow Inclement Weather procedure. Use the Smith Keys to identify and avoid potential problems. Attend the Winter Driving training session offered at staff/safety meeting.
Sight Distance	Visit location and review area	 Possible options: May change from gate service to yard service or vice versa; or Installation of signs; or Route reconfigured to change direction of travel for the bus; or Re-locate stop to different location. Encourage home owners to prune trees, shrubs, etc. to improve line of sight. Communicate with counties to have trees/bushes on public property pruned. Use SMITH System to improve skills (Big Picture etc.)
Traffic Volume	Picking up/dropping off on busy highway	 Warning lights on earlier and for longer periods of time. Instruct students on safety and danger zones.
Left-Handed Stops	Review safety implications of left handed stops	 Made changes for high traffic routes as follows: Obtain permission from parents to have bus pick up student in yard, if possible. Re-route bus route to change from left handed to right handed.
School Bus Loops	Review safety practices in bus loop	 Work with school administration to: Increase parent safety awareness Work with town of Strathmore and By-Law Enforcement to make drivers aware of parking zones Increase supervision in bus loop

The bus driver route assessment is an excellent process for all drivers to reassess their route each year. One of the many benefits of this process also facilities collaboration with the Counties. An example of this would be the request for signage (School Bus Stop Ahead Signs).