FLOYD COUNTY BOARD OF EDUCATION
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Dr. Chandra Varia, Member- District 2
Keith Smallwood, Member - District 4
Steve Slone, Member - District 5

Consent Agenda Item (Action Item): Synovia solutions pilot agreement

Applicable State or Regulations:

Fiscal/Budgetary Impact: free 60 day pilot agreement

History/Background: 60 day trial "Here comes the bus app", Student Ridership/scanning, core GPS. Free app to parents to download and receive text message when bus is within one mile of their child's bus stop.   60 day trial will allow the district to make a determination about the effectiveness of the app and make a decision if we would like to purchase for future utilization.

Recommended Action: approve pilot agreement

Contact Person(s): Joe Marson

_____   _____   _____
Principal   **Director**   **Superintendent**

Date:

synovia™ solutions
Don't Ask. Know.

9330 Priority Way West Drive
Indianapolis, IN 46240
Phone: 317-208-1700
Toll Free: 1-877-796-6842
Fax: 317-208-2202

PILOT AGREEMENT

Customer Legal Name Floyd County Schools		Address	
Address (ATTN: Transportation Office) 442 Kentucky Route 550		Customer Billing Address (If different)	
City Eastern	County Floyd	City	County
State/Province KY	Zip/Postal 41622	State/Province	Zip/Postal
Location Contact: Joe Marson	Phone 606-285-9443	Fax	Salesperson David Payne
☒ New Customer ☐ Existing Customer		☒ New Vehicle ☐ Existing Vehicle	
PO Number (if applicable):		PO Expiration Date:	

TERMS & CRITERIA

THIS AGREEMENT FOR A PILOT OF SYNOVIA SERVICES HAS NO BINDING CONTRACTUAL OBLIGATION ON BEHALF OF Floyd County Schools IT REPRESENTS AN OPPORTUNITY FOR SYNOVIA AND Floyd County Schools TO ESTABLISH CRITERIA THAT ARE PRE-REQUISITES TO FURTHER CONSIDERATION OF SYNOVIA AS A FLEET MANAGEMENT SERVICES PROVIDER.

At the end of the agreed upon pilot period, Customer will either:
1. Proceed with a contract to extend the goods and services to an expanded fleet, at a price to be mutually agreeable between Synovia and the Customer (pilot fees will be credited), **OR**
2. Return all hardware and software to Synovia within thirty (30) days of the end of the pilot contract period. Customer agrees and understands that title to the hardware and software resides completely with Synovia. If Customer fails to return all hardware within the 30-day period, Customer agrees to pay Synovia $750 for each vehicle in the pilot program, regardless of any monies paid previously.

Up to 60 Days	Length of Pilot	Number of Vehicles To Be Piloted	5

CRITERIA TO BE EVALUATED		MEASUREMENT OF SUCCESSFUL PILOT
1.	HCTB Activity	= How does it work and do Parents Like
2.		= How easy is it for the parents to us / district to use
3.	Student Ridership/Scanning	= How does it work – can we track students on/off bus
4.	Core GPS	= Evaluation of GPS and 30 second up / User Interface
5.		

SERVICES PROVIDED

SOFTWARE LICENSES				EQUIPMENT LIST		
					TYPE	QTY
☒	Core Track & Trace	Bus Guardian				
☒	Comparative Analysis	☒ Ridership		LMU:	AVL-4233EVL2	5
☒	Time and Attendance	☒ Here Comes The Bus Activity		Peripheral:	ACC-CAL-MDT7	5
		☐ ELD				
		☒ DVIR		Other:	ACC-STE-BCR2-U	5
Installation:	☒ Synovia	☐ Customer				
Carrier: ☐ Synovia ☒ Verizon ☐ Sprint ☐ AT&T ☐ TELUS ☐ Rogers						

PRE-REQUISITES PRIOR TO INSTALLATION

Delivery Date:	Install Date:
Synovia Resources Utilized:	
Pilot Project Plan Completed and Delivered:	

SPECIAL INSTRUCTIONS:
- Barcode Readers are currently out of stock – will proceede with the pilot if Barcode Readers are not available when GPS Units and Tablets Ship
- customer to provide year, make, model and VIN of buses to be installed

Authorized Signature	Authorized Signer's Printed Name	Title

- Improve overall communications and reporting on school buses.
  - Full line of reports
  - Engine diagnostics reports capabilities provided
  - 7P tablet allows for two-way communication with driver
- Enable employee time tracking, student ridership tracking, and contact tracing in the event of a COVID-19 infection.
  - Synovia Barcode Scanner (this is not part of the pilot – but is included in the Pricing. We are currently backordered on this item
    - Tracks Students on/off the bus
    - Reports can be run
      - Provide Primary exposure of student's time on the bus with a child that you identify a COVID event
      - Provide Secondary exposure of student's time on the bus – after the child identified with a COVID event exists the bus
- Global positioning system (GPS) tracking of school buses.
  - Real-Time Report every 30 seconds and bus events
- Optimize time, expenditure, and safety of bus routes.
    - Use your GPS Data to compare what you planned versus how the driver ran the route
- Provide pre- and post-trip vehicle inspections reports on a regular basis.
  - Create Pre and Post trip reports
  - Create Driver Health Pre-Trip Report
  - Create COVID/Sanitization Pre-Trip Report
- Communicate ridership information (via the Barcode Scanner)
  - Real-Time Look-Up of which Students have scanned on/off a bus
  - Ridership reports are generated
    - Synovia currently does not send data to the SIS system
- Permit parents or legal guardians to access applicable information.
  - Here Comes the Bus Parent app

Detailed Information

Synovia – CalAmp GPS/AVL Features	
• One source for the integrated solution	• Maps updated frequently
• Ad hoc reporting engine	• Maps faster to load
• Customizable KPI dashboard	• Determine ETAs using real-time traffic data
• Ability to use on a tablet	• Built-in customer service features
• Ability to use on all modern browsers including Chrome, Firefox, Safari, Internet Explorer, Edge, etc.	• Create a case • View open case(s) • Create RMAs
• Search on object properties rather than just the name (VIN, phone number, etc.)	• Ability to map more than one vehicle's history at a time
• Ability to create and print turn-by-turn directions	• Vehicles can now belong to more than one fleet
• Here Comes The Bus App	• Mobile App in iOS and Android

Parent Communication - provides parent notification regarding student school transportation. Options for the parent notification requirement.

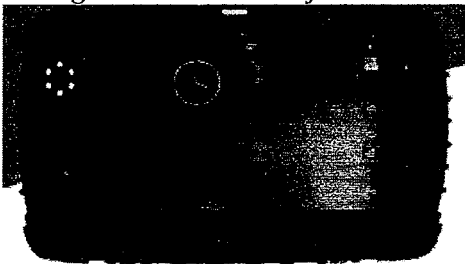There are two levels of information that can be relayed through the **Here-Comes-The-Bus** App that we offer:
1- School Bus Location in proximity to the student stop both to and from school
2- Paired School Bus Location with student scans onto the School Bus

Option 1 (Where is the bus) can be performed by equipping the vehicles with GPS/AVL tracking equipment and integrating the GPS data with the Routing information. Although this option provides advanced notice that the bus is approaching, it does not provide the added benefit of knowing specific students on the bus and whether they boarded/disembarked.

Option 2 (Where is the student) can be performed by equipping the vehicles with GPS/AVL tracking equipment including the scanning card reader and integrating the GPS data with the Routing information. Students would then present their cards both entering and exiting the vehicle.

Mobile Data Terminal
Synovia Solutions offers the Cal/Amp MDT-7P™ device. It is a Touchscreen, Color MDT that offers multiple functions. The MDT is tethered to the LMU through a serial connection. All data flows through the LMU to the Synovia server.

The Synovia MDT software includes the following capabilities:

Time & Attendance
- o Driver Log In/Out using PIN# - confirmation with name
- o Identify Route Operating – Used for Auto Slice-N-Dice
- o View hours for week
- o Multiple employee login
- o Job codes (by name) with transfers

2-Way Messaging - Dispatch
- o Dispatch free form
- o Canned response and messages from drivers/dispatch

Student Ridership Tracking

Vehicle Inspection
- o Inspection Forms Creation Tool for Various Vehicle Types
- o Driver enters Pre/Post Trip Inspection Results
- o Review of previous inspections

- o Completed Inspection Forms Viewed or Printed by Admin

Emergency Notification
- o Button for Driver to Notify Dispatch of an Emergency

Barcode Reader

We recommend the Barcode reader for ease of use and operating cost. Student ID cards can be purchased readily and inexpensively. The card cost is only a fraction of the cost of RFID cards. Our reader of choice is a fixed wand that provides a continuous beam that cards are simply placed under to be read. This reader will also support barcodes on smartphones making the card issue

Here Comes the Bus®

Synovia Solutions offers an industry-leading parent access tool that allows parents to see their children's bus location and be notified when it is near. Launched in 2014, the app "Here Comes The Bus®" provides real-time tracking info as well as e-mails and push notifications to connect parents and students with their bus. The app has been recognized at the 2019 Consumer Electronics Show as a tech leader with the prestigious IHS Innovation Award. As of 2019 the app has reach over one million downloads and received over 40,000 reviews from parents with an average of 4.6 stars on the app store. "

Here Comes The Bus® is a website and mobile device app that provides parents and caregivers real- time information about the location of their child's school bus, allowing them to send their child to the bus stop at just the right time. Synovia Solutions' *Here Comes The Bus®* is the ONLY app that provides <u>alerts</u> to parents when their child's school bus is near!

Here Comes The Bus® Delivers:
- Ability to view the real-time location of their child's bus both before and after school
- Receive a push notification or email alert when the bus is a certain distance from the bus stop
- Confirm the bus has arrived at the bus stop, at school or both

- Available in three languages (English, Spanish and French)

Here Comes The Bus® Proves a School District's Commitment to Safety and Innovation
- Opportunity to demonstrate that your school district is serious about student safety and parent communication
- At the same time, call volume to your transportation department will be reduced because parents will already know the status of their child's bus

Here Comes The Bus® Messaging
Managers can now send an email or push message to parents/care givers through *Here Comes The Bus®*. All students can be included or only students attending a specific school or assigned to a specific bus route. The message contains free form text from the manager. The message can be sent in real time or scheduled for a specified date/time.

Here Comes The Bus® uses the GPS equipment installed on the school buses for real-time reporting and planned school bus route information from the Transportation Department's Planned Routing System to provide information to parents concerning the location and arrival/departure status of their child's school bus. The Routing system has the plan and GPS has the reality. With the *Here Comes The Bus®* tool, parents have the advantage of accurate and timely school bus information.

This *Here Comes The Bus®* website can be viewed on any personal computer with internet access using a Web Browser (Google Chrome, Firefox, Internet Explorer, Safari) or an IOS / Android smart phone or tablet. Parents create their own secure account using the school districts' code and personal password. Students are added by entering student last name and ID number.

Synovia Reports
The Report list is organized by category, such as Core, Comparative Analysis, Engine Diagnostics and Student Ridership.

The following reports are included in Synovia.

CORE Reports

Alerts
Event Alert Summary by Primary Group
    How many alerts were triggered by each Primary Group during these days?
Event Alert Summary by Vehicle
    How many alerts were triggered by each Vehicle during these days?
Event Alert Daily Summary by Vehicle
    How many alerts were triggered by each Vehicle on each day?
Event Alert Daily Details by Vehicle
    What were the alerts that were triggered on each vehicle on each day?

Driver Performance
Driver Performance Summary by Department
    What is the average driver score for all drivers in a department during these days?
Driver Performance Summary by Driver
    What is the average score for each driver during these days?

Driver Performance Daily Summary by Driver
>What is the score for each driver on each day during these days?

Driver Performance Daily Details by Driver
>What are the events that impact the driver performance during these days?

Driver Metrics Summary by Department
>How much time and mileage was recorded for the entire department during these days?

Driver Metrics Summary by Driver
>How much time and mileage was recorded for each driver during these days?

Driver Metrics Daily Summary by Driver
>How much time and mileage was recorded for each driver on each day during these days?

Driver Metrics Daily Details by Driver
>What did each driver do on each day during these days?

Driver Summary
>What did each driver do today and how well did they do it?

<u>Event Count</u>

Event Count Summary by Primary Group
>How many times did these events occur in the Primary Group during these days?

Event Count Summary by Vehicle
>How many times did these events occur on each vehicle on each day, during these days?

Event Count Daily Summary by Vehicle
>How many times did these events occur on each vehicle during these days?

<u>Hardware Health</u>

Hardware Health by Primary Group
>How many vehicles do not have a GPS unit reporting?

Hardware Health by Vehicle
>Which vehicles do not have a GPS unit reporting?

<u>Idle</u>

Idle Summary by Zone
>Which zones have idle time?
>How much idle time is happening in each Primary Group?

Idle Summary by Vehicle
>How long is each vehicle idling over these days?

Idle Daily Summary by Vehicle
>How long is each vehicle idling each day, over this span of days?

Idle Daily Detail by Vehicle
>When and where is each vehicle idling every day?

<u>Input Time & Mileage</u>

Input Summary by Primary Group
>Which Primary Groups used these inputs during this date range?

Input Summary by Vehicle
>How much did each vehicle use these inputs during this date range?

Input Daily Summary by Vehicle
>Create a report summarizing daily input activity by vehicle per
day Input Daily Details by Vehicle

When and where were these inputs used on this day?
Input Billing Details by Vehicle
What were the trip segments done by these vehicles on these days?

Inspection
Pre-Trip Inspection Summary by Primary Group
How many vehicles are getting pre-trip inspected in each Primary Group?
Pre-Trip Inspection Summary by Vehicle
Which vvehicles are getting pre-trip inspections during these days?

System Features

The Synovia Fleet Management System provides the following functionality:

CORE AVL Module

Key Performance Indicators	Geofence Capability
Real Time Fleet Tracking	Alerts
Historical Fleet Tracking	Reports with Scheduling & Exporting to Excel
Dispatch Tools	Mobile Access
Locate a Vehicle	ESRI Shapefile Two Way Integration
Map History	Vehicle Maintenance Scheduling
Map Nearby	Fuel Card Integration
Watch Live	Application Programming Interface (API)
External Sensor Connections	Bus Substitution (Slice-n-Dice)
Engine Diagnostics	

Comparative Analysis Module

Key Performance Indicators	Yard Monitor
Planned Versus Actual Comparison	Student Detail
Status Monitors	Reports with Scheduling & Exporting to Excel
School Monitor	Application Programming Interface (API)-
Route Monitor	Routing System Integration

Time and Attendance Module

Driver/Aide Log In/Out	Work Schedule Interface
Job Codes	Reports
Electronic Time Card	Payroll Interface

Student Ridership Tracking

Student Ridership Tracking	Parent Notification Upon Loading/Unloading
Student Ridership Verification with MDT	with HCTB

Here Comes The Bus® Module

Web Site to Locate Bus	*Parent Messaging*
Notification of Approaching Bus Arrival	*Smartphone or Tablet Access*

Mobile Data Terminal Software APPs

Log In/Out	Emergency Notification
Job Codes	Student Ridership Tracking (Card Less)
Bus Substitution at Run Level	Student Ridership Verification
Vehicle Inspection	Navigation
Two Way Text Communications	

The Synovia, Synsurance Program, is the only such program in the industry. The Synovia Synsurance Program includes the following services for the life of the agreement:

Pre-Trip Inspection Daily Summary by Vehicle
    Which vehicles are getting pre-trip inspected each day during these days?
Pre-Trip Inspection Daily Detail by Vehicle
    What are pre-trip inspections are getting missed for each vehicle?
Post Trip Inspection Summary by Primary Group
    How many vehicles are getting post-trip inspected in each Primary Group?
Post Trip Inspection Summary by Vehicle
    Which vehicles are getting post-trip inspections during these days?
Post Trip Inspection Daily Summary by Vehicle
    Which vehicles are getting post-trip inspected each day during these days?
Post Trip Inspection Daily Detail by Vehicle
    What are post-trip inspections are getting missed for each vehicle?
Vehicle Inspection
    What are the results of each inspection performed?

Mileage
Stored Daily Mileage Summary by Primary Group
    How many total miles and hours were active for a Primary Group?
Stored Daily Mileage Summary by Vehicle
    How many total miles and hours were active for each vehicle?
Stored Daily Mileage Details by Vehicle
    How many miles and hours were active for each vehicle each day?
Calculated Mileage Summary by Primary Group
    How many miles were driven for all vehicles in each Primary group?
Calculated Mileage Summary by Vehicle
    How many miles did each vehicle drive during these days?
Calculated Mileage Detail by Vehicle
    How many miles did each vehicle drive each day?

Route
Route Summary by Vehicle
    How many stop events were triggered across several days?
Route Daily Summary by Vehicle
    How many stop events were triggered on each day?
Route Daily Details by Vehicle
    What are the events that triggered "stops" on this date?

Speeding
Speeding Summary by Primary Group
    How many speeding events occurred in these Primary Groups?
Speeding Summary by Vehicle
    How many speeding events occurred on each vehicle across many days?
Speeding Daily Summary by Vehicle
    How many speeding events occurred on each vehicle for each day?
Speeding Daily Details by Vehicle
    What were the speeding events for each vehicle on each day?

<u>Stop</u>
Stop Summary by Primary Group
> How many stop events occurred in each Primary Group?

Stop Summary by Vehicle
> How many stop events occurred on each vehicle over many days?

Stop Daily Summary by Vehicle
> How many stop events occurred on each vehicle on each day?

Stop Daily Details by Vehicle
> When and where did the stops occur on each vehicle?

<u>Time</u>
Time Summary by Primary Group
> How much total time are the vehicles in each Primary group running inside & outside the yard?

Time Summary by Vehicle
> How much total time is each vehicle running inside & outside the yard across multiple days?

Time Daily Summary by Vehicle
> How much time is each vehicle running inside & outside the yard on each day?

Time Daily Details by Vehicle
> When did each vehicle enter and exit the yard and how much time did it take?

<u>Usage</u>
Usage Summary by User
> Who is using

Synovia? Usage Daily
Summary by User
> How much activity is happening on each day?

Usage Summary by Screen
> What screens is each user using each day?

Usage Summary by Screen
> Which screens are
> used

Usage Summary by Screen and User
> Which screens are getting used by each user?

Usage Summary by Customer
> What is our overall usage of the system?

Report Usage by User
> What reports are run

<u>Vehicle Performance</u>
Vehicle Performance Summary by Primary Group
> What is the average performance score for this Primary Group?

Vehicle Performance Summary by Vehicle
> What is the average performance score for each vehicle?

Vehicle Performance Daily Summary by Vehicle
> What is the performance score on each day of each vehicle?

Vehicle Performance Daily Details by Vehicle
> What are the events the affected the performance score?

<u>Vehicle</u>
<u>Summary</u>
Vehicle
Summary
     Create a report displaying vehicle summary information over a period of
time Underutilized Vehicles
     Create a report detailing underutilized vehicles

<u>Yard</u>
Yard Summary by Primary Group
     Create a report summarizing yard activity per fleet over a period of
time Yard Summary by Vehicle
     Create a report summarizing yard activity per vehicle over a period of
time Yard Daily Summary by Vehicle
     Create a report summarizing yard activity by vehicle per
day Yard Daily Details by Vehicle
     Create a report detailing yard activity by vehicle for a single
day Not In Yard Vehicles
     Create a report detailing not in yard vehicles

ZONE
Zone Summary by Primary Group
     How much did each vehicle use these inputs on each day of this date range?
Zone Summary by Vehicle
     How much time is each vehicle spending in each zone?
Zone Daily Summary by Vehicle
     How much time is each vehicle spending in each zone on each day?
Zone Daily Detail by Vehicle
     When did the vehicle enter and exit each zone?
Arrival Details by School Zone
     Create a report detailing school arrivals by school geofence

Comparative Analysis Reports

<u>Planned VS Actual Stops</u>
Planned Vs Actual Stops Summary by Itinerary
     How many stops were on time for the entire day (Itinerary)?
Planned Vs Actual Stops Summary by Route
     How many stops were on time for by morning or afternoon (Route)?
Planned Vs Actual Stops Summary by Tier
     How many stops were on time by school level (Tier)?
Planned Vs Actual Stops Summary by Tier and Date
     How many stops were on time by school level on each day?
Planned Vs Actual Stops Detail
     What stops were on
     time?
Planned Vs Actual Stops Summary by Primary Group
     How many stops were one time by Primary Group?
Planned Vs Actual Stops Summary by Vehicle

How many on time stops did each vehicle have?

Planned Vs Actual Stops Daily Summary by Vehicle
      How many on time stops did each vehicle have on each day?
Planned Vs Actual Stops Daily Detail by Vehicle
      What stops were on time for each
      vehicle?

Route Performance
Planned vs Actual Route Summary
      Create a report summarizing route performance over a specified date
range Planned vs Actual Route Summary by Date
      Create a report summarizing route performance for a single day

School Arrival (Bell Time)
Planned Vs Actual Stops Summary by Vehicle
      How many on time stops did each vehicle have?
Planned Vs Actual Stops Daily Summary by Vehicle
      How many on time stops did each vehicle have on each day?
Planned Vs Actual Stops Daily Detail by Vehicle
      What stops were on time for each
      vehicle?
Planned vs Actual Route Summary
      Create a report summarizing route performance over a specified date
range Planned vs Actual Route Summary by Date
      Create a report summarizing route performance for a single
day Arrival Summary by Primary Group
      Create a report summarizing school arrivals by
fleet Arrival Summary by Vehicle
      Create a report summarizing school arrivals by
vehicle Arrival Daily Summary by Vehicle
      Create a report summarizing school arrivals by vehicle per
day Arrival Detail by Vehicle
      Create a report detailing school arrivals by vehicle per
day Arrival Summary by Itinerary
      Create a report summarizing school arrivals by
itinerary Arrival Summary by School
      Create a report summarizing school arrivals by
school Arrival Summary by Tier
      Create a report summarizing school arrivals by tier

School Arrival (Route Time)
Arrival Summary by Primary Group
      Create a report summarizing school arrivals by
fleet Arrival Summary by Vehicle
      Create a report summarizing school arrivals by
vehicle Arrival Daily Summary by Vehicle
      Create a report summarizing school arrivals by vehicle per
day Arrival Detail by Vehicle
      Create a report detailing school arrivals by vehicle per
day Arrival Summary by Itinerary

Create a report summarizing school arrival
by itinerary Arrival Summary by School
Create a report summarizing school
arrival by school Arrival Summary by Tier
Create a report summarizing school arrival by tier

Substitutions
Bus Substitution by Vehicle
Create a report displaying bus substitutions per vehicle over a period of time

Tier Performance
Planned vs Actual Tier Summary
How well are tiers being completed across multiple days?
Planned vs Actual Tier Summary by Date
How well are tiers being completed each day?

Engine Diagnostics Reports

Fault Code
Fault Code Summary by Primary Group
How many faults occurred in each primary group?
Fault Code Summary by Vehicle
How many faults occurred in each vehicle?
Fault Code Daily Summary by Vehicle
How many faults did each vehicle were triggered on each day?
Fault Code Detail by Vehicle
What were the faults and when did each fault occur?
Active MIL Status
Which vehicles currently have an active fault?

Fuel Economy
Fuel Economy Summary by Primary Group
What is the fuel economy average for each primary group?
Fuel Economy Summary by Vehicle
What is the average fuel economy for each vehicle?
Fuel Economy Daily Summary by Vehicle
What is the fuel economy for each vehicle on each day?

Student Ridership

Scan History
Scan History Daily Summary by Student
Create a report summarizing the scans over a given date range
and student Scan History Summary by Primary Group
Create a report counting the number of scans per fleet over a
period of time Scan History Summary by Student
Create a report detailing the scans over a given date range
and student Scan History Summary by Vehicle
Create a report summarizing the number of scans per vehicle over a
period of time Scan History Daily Summary by Vehicle
Create a report summarizing the number of daily scans by

vehicle per day Scan History Daily Details by Vehicle
    Create a report detailing the scans by vehicle for
a single day Scan History SPED Ridership
    Create a report summarizing the number of daily scans by vehicle per
    day with driver information

Student

Student Property by Property
    Create a report detailing the student property over a given property

Student Ridership

Student Ridership Daily Details by Vehicle
    Create a report detailing the student scans by vehicle for a single day

Each report allows the user to select various different filters for data to be included in
the report i.e., date range, group , vehicle(s), event and i.e.