LifeMark® 75
Planning Operation

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What Is a LifeMark® 75 system?

- The LifeMark® 75 system is a complete pavement marking layout location system

- It includes control systems to record where existing markings are located via GPS

- The raw data is processed by LimnTech

- The system is able to layout the new markings following the GPS recorded data

How will you use the LifeMark ® 75?

- The LifeMark ® 75 will assist you in managing your "follow the paver" work

- You will proactively plan work

- A full road plan will lead to more efficient scheduling

Dispatch Operation – old way

- Follow the Paver – short working time windows

- Pull Chain – two person minimum – 1 mile/hour

- Show up and wait…...

- Who? - Need skilled person for layout

- How ? - Drawings – missing information

- Why? - Paver finished late

Operation – New Way

- Choose roads to record

- Record roads when it fits your schedule, day or night, rain or shine

- Maintain full book of recorded roads for lots of flexibility

- As pavers pave roads and lanes, choose layout crew – LifeMark ® 75 or manual crew,

- Perform layout with LifeMark ® 75 in safety in less time, at 8 to 15 mph

- Stripe Road later with less skilled crew using LifeMark ® 75

Getting Started in the office

- Create an Administrator Account for the Administration Page
- Create User accounts for the Administration Page
- Create Proposed Path names in the office
- Checking Proposed Road Geography
- Reviewing Recorded Files
- Checking Recording Quality
- Staying Organized
- Archiving Files
- Truck Management
- RTK Managements

Create an Administrator Account for the Administration Page

- Give LimnTech the email address of the person who will be your website administrator

- LimnTech will send an account creation email to that address

- That person will choose a password, and become the site administrator

- LimnTech can fix errors.

- Choose the password carefully

The Administrator

- The Administrator is the user who can do the most:
- Assign Paths to trucks
- Assign RTK to a truck
- View, Edit and archive paths
- Create and edit proposed Paths
- View, Edit Activate and Delete Archived Paths
- View, Create, Edit and Delete users

Create User accounts for the Administration Page

- Your Administrator will create user accounts for your Administration page

- Users can:

- Assign and RTK to a truck

- View Active Paths

- View Proposed Paths

- View Archived Paths

Create Proposed Path names in the office

- In the office you can pre-load file names to make things easier and more accurate for the field people operating the truck

- Decide on your naming key system

- Examples:

- State-County-City-Road-Direction-Lane line-

- PA-Montgomery-Hatboro-Main St- NB-YCL

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Checking Proposed Road Geography

- Before you send a crew out to record, review the Road in Google maps or Earth to look for possible issues

- LifeMark-75 depends on cell phone service and GPS/RTK service

- If the location will not have any of the services, recording capability will be compromised.

- Tunnels, valleys, Tree or Building tunnels

Reviewing Recorded Files

- The office or field teams can review recorded files once the field team has synchronized

- This can assist planning to fix errors before the field team leaves the site

- Examples are the wrong road or marking is recorded

- The topography (trees or buildings) suggest recording in the opposite direction might yield better results

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Checking Recording Quality

- Recording quality can vary

- Gaps in the red path line indicate a need to layout by hand

- Check gap lengths and curves

- Can the layout driver drive through the gap?

- If not plan for hand layout crew and time

Staying Organized

- Old completed jobs can have files archived

- Files names can be changed in the office

- The office can add descriptive information into the description – example start at McDonalds

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Archiving Files

- In the Edit page, click on files to move them to Archive

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Truck Management

- The truck management screen allows for changes to:

RTK Management

LimnTech Administration Screens will allow for work planning in the office
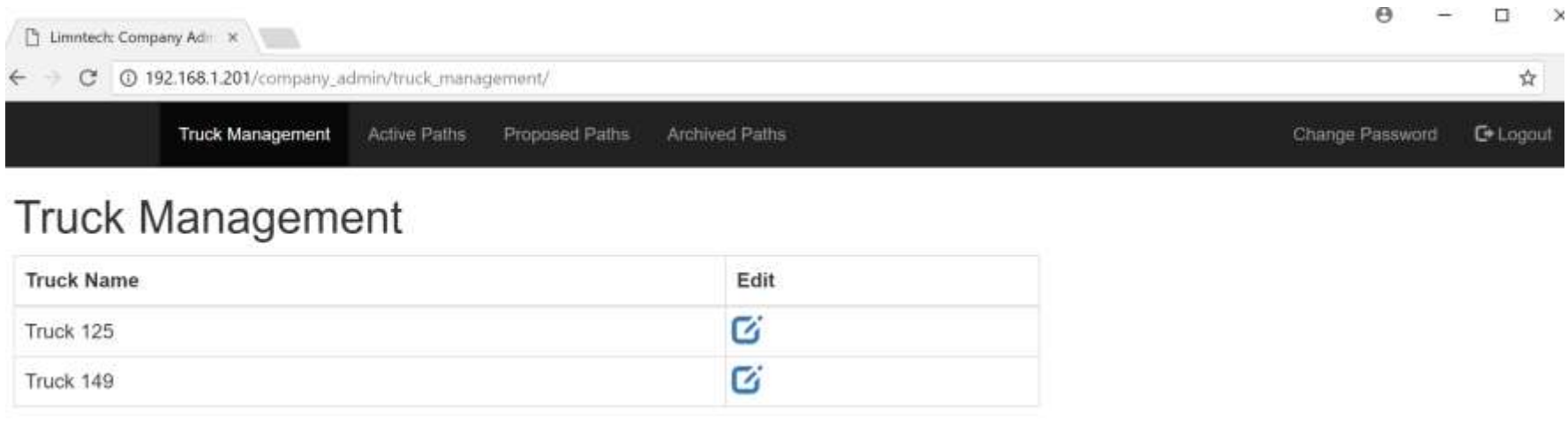
View completed recorded roads in a Map format
Admin Page is visible on cellphones or tablets that have Internet access in field

Truck Management
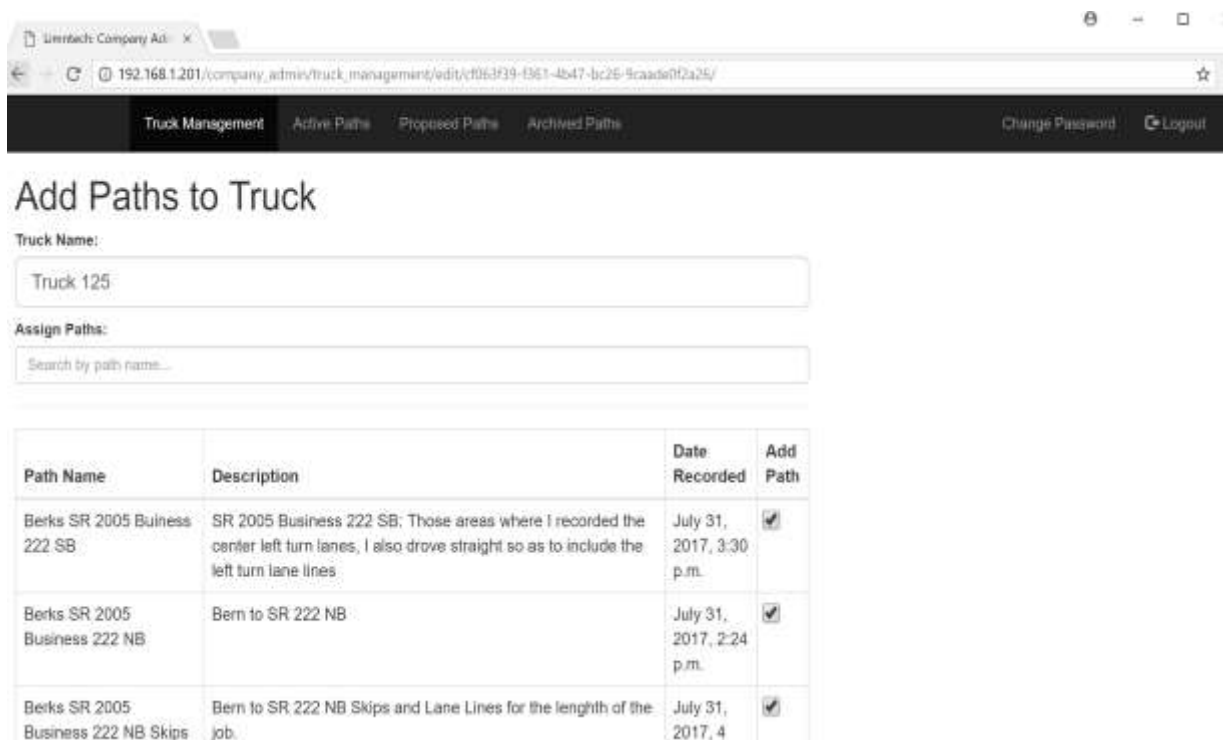
Manage multiple trucks from the office

Loading Recorded Roads onto each truck

Manage what the field team sees on the truck display to keep it simple for them
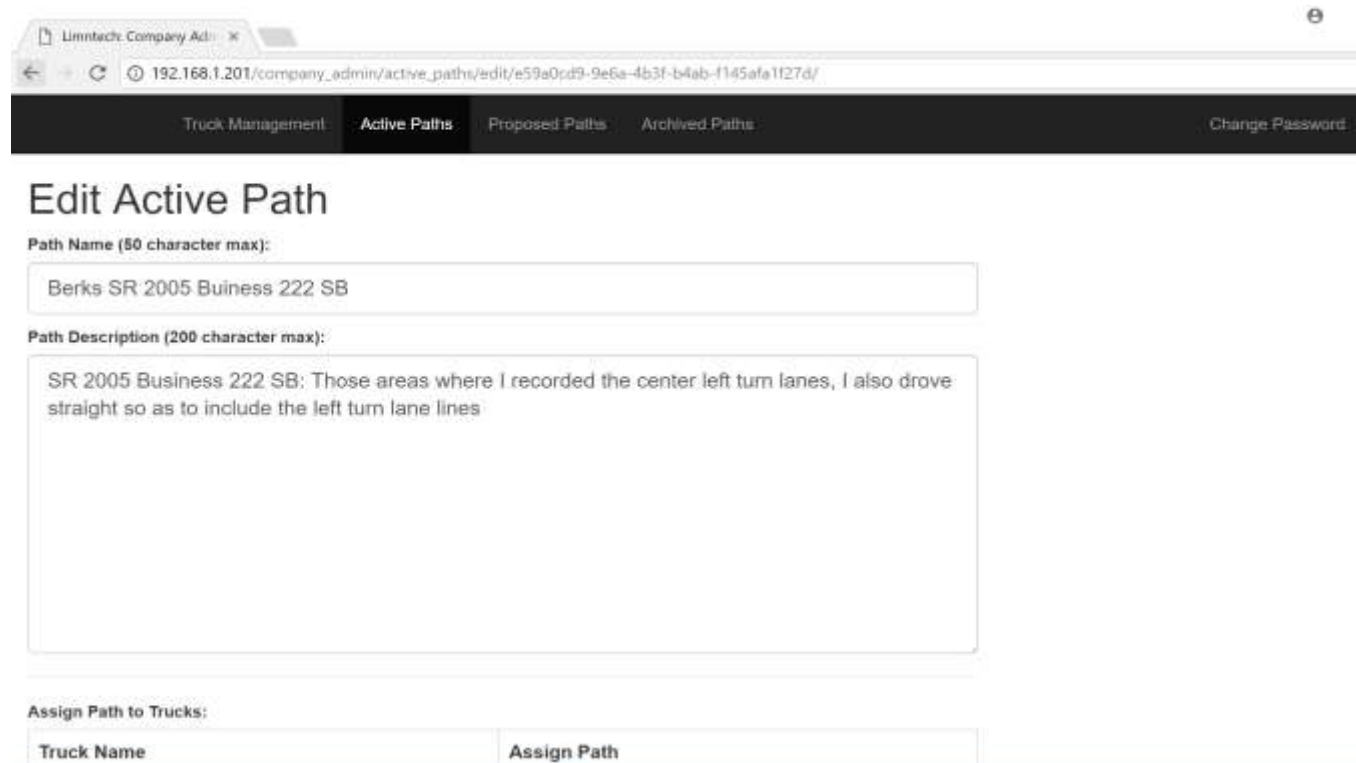
List of Recorded Roads and paths

Office Personnel can view the lists of completed recordings after truck synchronizes

Editing the name of a recorded road is possible by the office

Editing in the office allows for simple error corrections. Seeing the map recorded makes it accurate.

Choosing the truck to assign road to

Choosing the truck

Viewing Recorded Map Files

This allows management to view roads recorded and layout requirements to plan properly.
Poorly or incorrectly recorded roads can be viewed in the office.
If a hand layout crew is needed, you can know in advance.

Viewing Recorded Map Files
Default View

To switch from Map View to Google Satellite, click on the box in the upper left hand corner
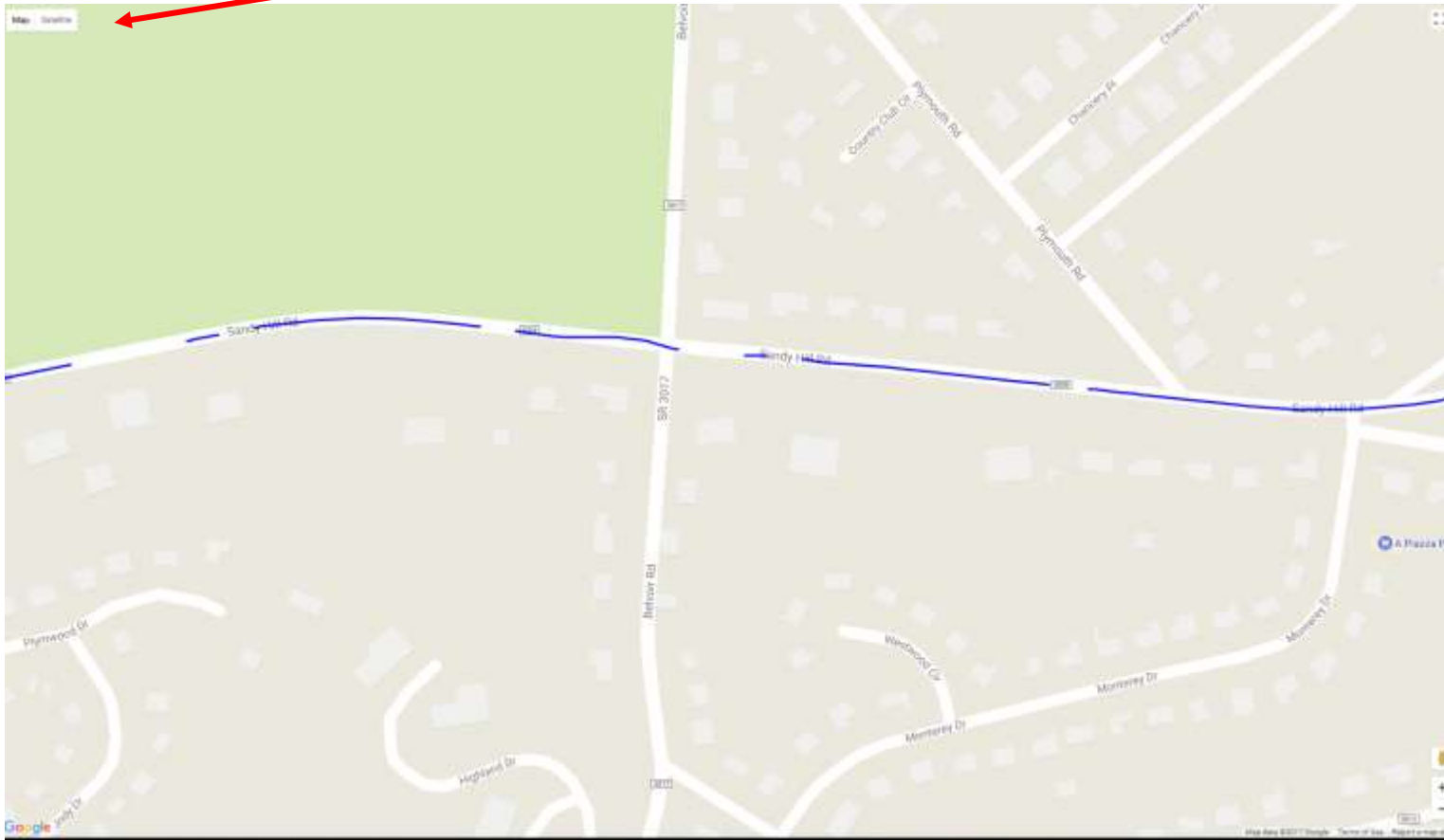
This Brings Up The Angle Satellite View In Google

Click Here To Toggle Top View

Google Satellite Top View Looks Closer To Actual Path

- Note how the Turn Lane appears more correct in top view than in Angle View
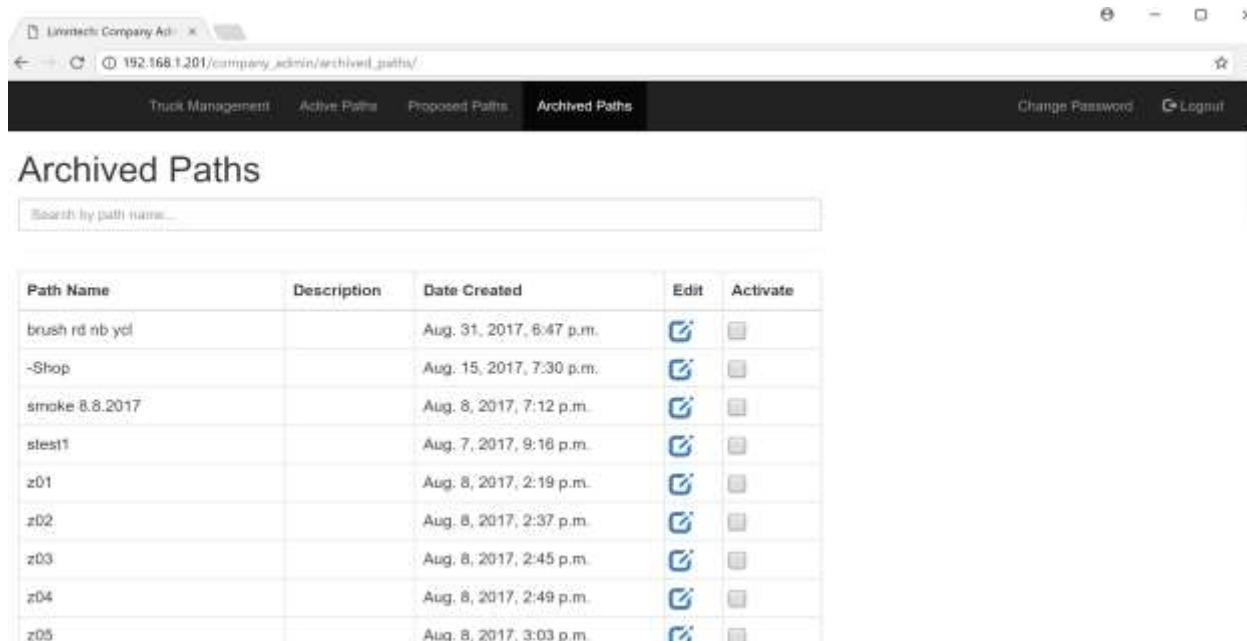
The Road Chosen – Map overlay
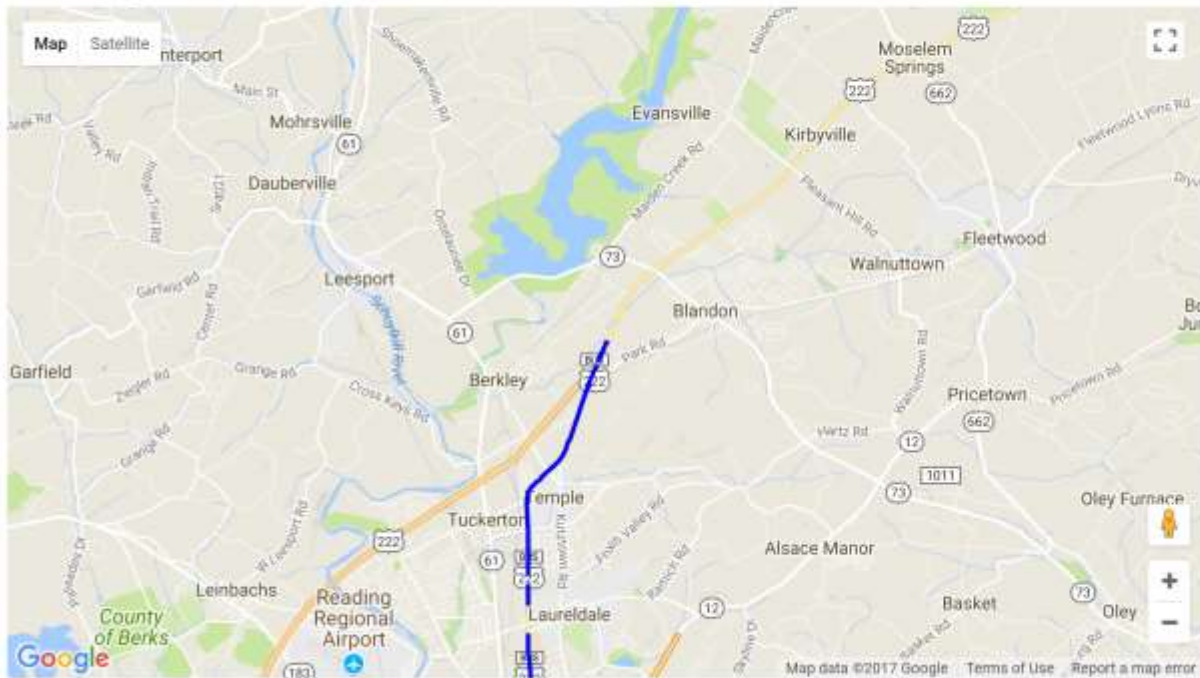
Old Paths To Keep But Not On Trucks

After a road is restriped or a project completed, the recorded paths can be archived to be used later.