



February Meeting

2/8/2023

# AGENDA

1. Announcements
2. ESRI Updates
3. Proposed New Event Behavior  
Presentation/Discussion
  - New Cartographic Realignment Option
4. Open Discussion
  - Work Groups updates, RHUG member roles

# ANNOUNCEMENTS

- GeoNet - Become a part of the ESRI Community
  - <https://community.esri.com/t5/roads-and-highways-user-group-rhug/gh-p/roads-and-highways-user-group-rhug>
- Upcoming RHUG Presentations
  - Data Governance & LRS Enterprise Data Management
    - Ben Timerson & Team from Minnesota DOT
  - Looking for presentation volunteers
- GIS-T 2023 - April 11-14 - Oklahoma City, OK
  - Registration Now Open - <https://web.cvent.com/event/b9be3aff-1d21-476d-8879-6fcaba0aa2ec/register>
  - RHUG Special Interest Group (SIG) Meeting Accepted!
    - The regular virtual RHUG April meeting will be cancelled
  - Roads & Highways in Pro Lab
  - Submit your map for the map gallery contest
    - Bringing back State Map Exhibition
    - <https://www.cvent.com/c/abstracts/24759e08-7253-4975-b780-da8bb56cf243>

# Esri Updates

Nathan Easley

# Esri Proposed New Cartographic Realignment

Presentation/Discussion

# Open Discussion

- AgileAssets Work Group
- FME Transportation Work Group
- ESRI Field Maps Work Group
- RHUG Member Roles (Next Slide)

# Open Discussion

Future presentation ideas catered to majority of member roles?

Examples:

- *Event Editor Back to Basics*  
- Multiple member volunteers to have 10-15 minute presentations on how they navigate and use event editor with their own data.

Role of RHUG Member	Percentages
User - GIS analyst (Desktop)	40%
Event data Editor (RCE/Event Editor)	35%
Event editor (QA/QC)	33%
LRS geometry QA/QC	32%
LRS geometry editor	30%
User - GIS analyst (Portal, Browser, AGOL)	26%
Map and data requests (cartography, tabular)	23%
System Admin / Manager (IT)	15%
Supervisor of GIS personnel	15%
User - Web App Developer	12%
3rd party application support	11%
HPMS coordinator	10%
User - business unit (BI, Reporting)	8%
Event data Editor (field data collector)	5%

# Upcoming Meetings / Contacts

Wednesday March 8th, 12:30-2pm

## Contact Info:

Erin Lesh [ealesh@ncdot.gov](mailto:ealesh@ncdot.gov)

Patrick Whiteford [pwhiteford@azdot.gov](mailto:pwhiteford@azdot.gov)

Ryan Koschatzky [rjkoschatzky@ncdot.gov](mailto:rjkoschatzky@ncdot.gov)

Shaun Perfect [sperfect@azdot.gov](mailto:sperfect@azdot.gov)





# **Product Team Update**

## **RHUG meeting 2/8/23**

**Nathan Easley**

## Capabilities currently under development

- Stabilization of Pro 3.1/Enterprise 11.1
- Research/planning for Pro 3.2/Enterprise 11.2

## Support Incidents/Defects

- **BUG-000154749** – Update Measure from LRS tool fails to calculate measures for points on a coincident route (verifying fix)

## Other Announcements

- **10.7.1/10.8.1 patch being verified**
- **We have a new UI/UX designing, Alexis Mitsuhashi, working with our team to research the next generation LRS experience on the web (event editing and more). She'd like to speak with as many members of the community as possible. If you can meet with Alexis, email her at [lmitsuhashi@esri.com](mailto:lmitsuhashi@esri.com)**



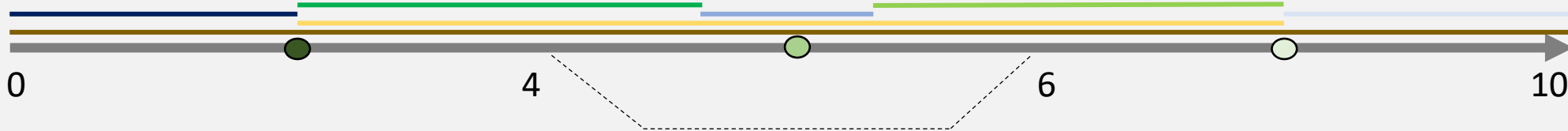
esri

THE  
SCIENCE  
OF  
WHERE



Proposed Cover/Stay Put  
Behavior in Cartographic  
Realignment

Before



Event										
From Measure	2	5	8	0	2	0	2	4.5	5.5	8
To Measure				10	8	2	4.5	5.5	8	10

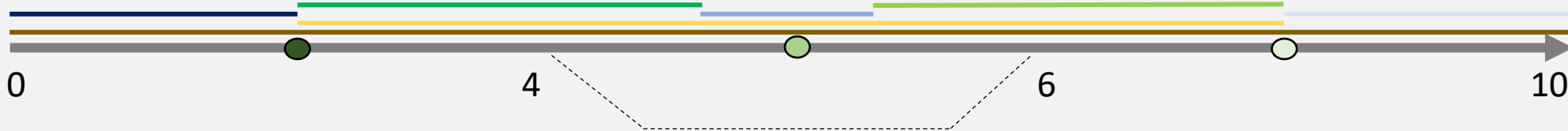
→ Route

● — Event

----- Centerline

0 Measure

Before



Honor Route & Measure behavior with no calibration change



Event										
From Measure	2	5	8	0	2	0	2	4.5	5.5	8
To Measure				10	8	2	4.5	5.5	8	10

Route

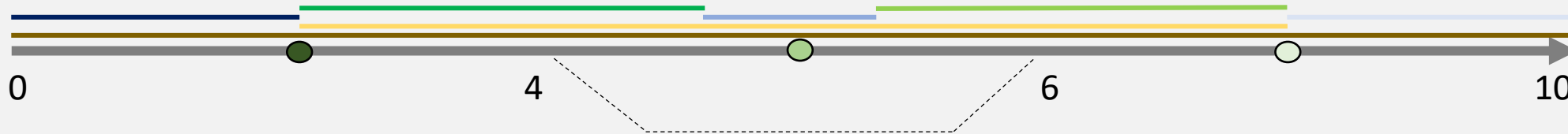
Centerline

Event

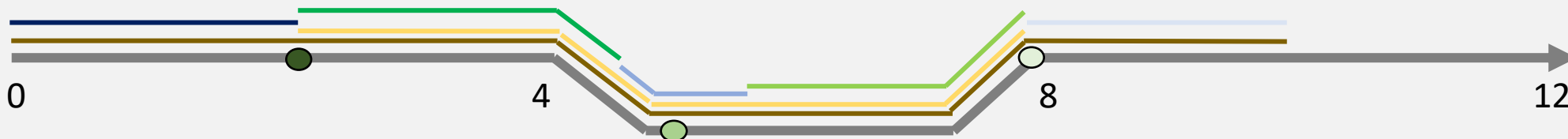
Measure



Before



Honor Route & Measure behavior with calibration change



Note: Calibration event behavior configured may change the results from what's shown in this example

Event										
From Measure	2	5	8	0	2	0	2	4.5	5.5	8
To Measure				10	8	2	4.5	5.5	8	10

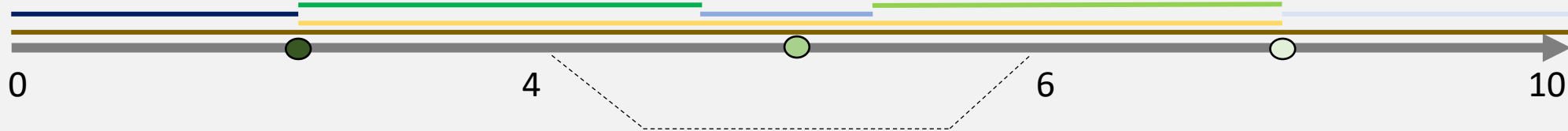
Route

Centerline

Event

Measure

Before



Proposed  
Cover/Stay Put  
behavior with  
calibration change



Event										
From Measure	2	6*	10*	0	2	0	2	5*	7*	10*
To Measure				12*	10*	2	5*	7*	10*	12*

Route

Event

Centerline

Measure

from Ryan Koschatzky to everyone: 12:32 PM

<https://community.esri.com/t5/roads-and-highways-user-group-rhug/gh-p/roads-and-highways-user-group-rhug>

from Ryan Koschatzky to everyone: 12:33 PM

<https://web.cvent.com/event/b9be3aff-1d21-476d-8879-6fcaba0aa2ec/register>

from Ryan Koschatzky to everyone: 12:35 PM

<https://www.cvent.com/c/abstracts/24759e08-7253-4975-b780-da8bb56cf243>

from Lesh, Erin A to everyone: 12:39 PM

Nathan - in the research you're doing, are you using the spreadsheet of enhancements requested from this community?

from Lesh, Erin A to everyone: 12:40 PM

Great, thanks

from Nick Graf to everyone: 12:45 PM

Would it be possible to get this ppt?

from Ryan Koschatzky to everyone: 12:46 PM

There will be a downloadable pdf of all slidedecks presented today, along with audio. I should have it out by Friday on geonet.

from Nick Graf to everyone: 12:47 PM

Thank you Ryan.

from Ryan Koschatzky to everyone: 12:48 PM

No problem. All past meetings are posted on geonet.

from INDOT - Kevin Munro to everyone: 12:51 PM

This new behavior for Carto Realignment will be used by INDOT

from Nicole Hanson to everyone: 12:51 PM

I like how this looks, and it makes sense with what I would expect

from Elsit Mandal to everyone: 12:51 PM

Is the new proposal will be available only in ArcPro?

from Miles Ng to everyone: 12:52 PM

This new behaviour will be extremely useful for Caltrans!

from Jim Mitchell to everyone: 12:52 PM

Replacing an intersection with a traffic circle is a similar problem. How will that work?

from Kevin Hunt to everyone: 12:53 PM

This new behavior will really allow New York to take advantage of Cartographic Realignments for the first time.

from Jim Mitchell to everyone: 12:53 PM

10-4

from Jim Mitchell to everyone: 12:53 PM

10-4

from Nicole Hanson to everyone: 12:54 PM

Mariah - we didn't see issues when it was very small adjustments. But a half mile or more like this shows, this type of adjustment would be beneficial.

from Amit Hazra to everyone: 12:54 PM

I would consider an intersection or interchange realignment as a complex route edit.

from Nicole Hanson to everyone: 12:55 PM

20miles?! whoah

from Amit Hazra to everyone: 12:55 PM

...Unless the original intersection was an abstraction of reality..,

from INDOT - Kevin Munro to everyone: 12:55 PM

I wouldn't use carto realignment for a road realignment. carto realignment affects all routes/events through all time.

from John Wilm to everyone: 12:56 PM

Yes, that is the distinction for how we use Realignment.

from Alex Carter to everyone: 12:56 PM

Will definitely be used by Carver County, we already have a few use cases.

from Kevin Hunt to everyone: 12:57 PM

And this new behavior would be extended through the Relocate Events services as well, correct?

from peter morey to everyone: 12:58 PM

We are looking to replace all our highway centerlines with LiDAR collected data. Is it recommended to use Carto-Religns to snap the centerlines over or use Route-Realigns?

from peter morey to everyone: 12:58 PM

Correct

from peter morey to everyone: 12:59 PM

History is not desired

from Amit Hazra to everyone: 12:59 PM

@Peter: Sounds like a pretty significant conflation activity... Not sure you would want to carto-realign each road manually

from Jim Mitchell to everyone: 1:01 PM

Imagery are often registered to different control points. You need to take care not to chase roads all over the map, with a new set of pictures. They are JFP!

from Elsit Mandal to everyone: 1:01 PM

would it be possible to the carto realign with keeping history

from Amit Hazra to everyone: 1:02 PM

@Elsit: Realign Route with Cover

from John Wilm to everyone: 1:02 PM

We're looking to (possibly) role our migration to Pro in with Intersections and then the LiDAR project...

from David Runneals to everyone: 1:06 PM

Also we are having a FME Workshop, FME SIG, & FME/Data Engineering Presentation at GIS-T for those who are attending

from Erin Westfall to everyone: 1:06 PM

erin.westfall@dot.ohio.gov

from Ryan Koschatzky to everyone: 1:07 PM

Good to hear David. We will pass that along with the members.

from Jim Mitchell to everyone: 1:10 PM

Where are we on LRS in AGO?

from Jim Mitchell to everyone: 1:12 PM

I'll take ANY support in AGO!

from Jim Mitchell to everyone: 1:13 PM

Great idea!

from Jim Mitchell to everyone: 1:14 PM

More and more we are using web GIS, not desktop!

from Amit Hazra to everyone: 1:15 PM

Event Editor Back to Basics - I like it! Also, keep in mind we'll be hosting the hands-on learning lab at GIS-T in April and will be showcasing event editing using ArcGIS Pro as well as Event Editor comparisons.

from Ryan Koschatzky to everyone: 1:16 PM

Looking forward to that Amit.

from Amit Hazra to everyone: 1:17 PM

@Patrick - Yes! We will be showcasing ArcGIS Pro 3.1.

from Dave DiNocco to everyone: 1:17 PM

Use of Pro and Event Editor for submitting HPMS

from Jim Mitchell to everyone: 1:18 PM

Hey Nathan, it looks like "Event Editing" is done mostly by "the Pros," with the existing tools RCE, etc. We do't need to support AGO Event editing!

from Jim Mitchell to everyone: 1:20 PM

I think we need to consider two categories of "Event Editing." 1. ENTERPRISE editing and 2

from Jim Mitchell to everyone: 1:20 PM

and 2. USER Event editing.

from INDOT - Kevin Munro to everyone: 1:21 PM

It would be fair to better understand Licensing costs for editing events. old "RCE", new Portal Event editor, Pro event editor

from Miles Ng to everyone: 1:23 PM

thank you!

from Kevin Hunt to everyone: 1:23 PM

Thanks everyone!

from Aaron Ferrari to everyone: 1:23 PM

Thank you everyone!

from Daniel Winters to everyone: 1:24 PM

Thanks everyone