26th ANNUAL STORMWATER MANAGEMENT & PLANNING CONFERENCE
Hilton Garden Inn, South Padre Island, TX
Register here:
https://lrgv-stormwater-task-force.square.site/
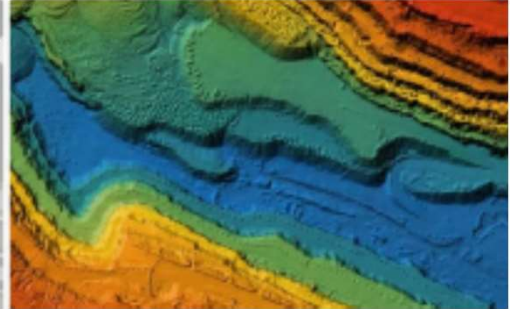
GIS Course I –

Creating Maps Using ARCGIS PRO

ArcGIS Pro allows you to view, edit, analyze, and share your GIS data quickly and efficiently using a modern, ribbon-based interface and streamlined workflows.

It is also designed to be web-connected, so you can access information stored online as easily as data that you have stored locally and then share it online or locally with equal ease.

In this course, you will learn the basics of working with ArcGIS Pro, including some workflows and best practices.

GIS Course II –

Editing GIS Data Using ARCGIS PRO

As you work with your projects, you might need to update old information or add new geometries to your data.

ArcGIS Pro allows you to add new data or update features quickly and efficiently. You will also realize that new data will need to be created and we will cover the different GIS formats in detail in this course.

ArcGIS Pro also lets you run Analysis and Geo-processing tools that can help you be more efficient at work. We will also see the integration of your data into ArcGIS Online but at an intro level.

GIS Course III –
Creating Dashboards Using Experience Builder

Learn how to present data simply and effectively to monitor key metrics and activities in progress and provide decision-makers with easy access to the data that matters most to them.

This course covers the essential concepts and workflows you need to understand to create a dashboard utilizing ArcGIS Experience Builder from scratch, configure it to meet your data users' needs, and share it with stakeholders.

Come and join us!
May 19 – 21, 2024

Training will be Provided by:
Sergio Castro, ENP
AIM GIS Solutions

With over seventeen years of experience of working with GIS Technology ranging from 9-1-1 data to local government needs!

STORMWATER CONFERENCE

26th Annual Lower Rio Grande Valley Stormwater Management & Planning Conference May 19 – 24, 2024: Hilton Garden Inn, South Padre Island, TX

Registration Information:

FIRST NAME   MI   LAST NAME

ADDRESS

CITY   STATE   ZIP

INSTITUTION

EMAIL

Cancellation Policy:
Refunds must be requested in writing no later than ten (10) calendar days prior to the event. Please send refund requests to cruiz@lrgvtaskforce.com

Submission of Registration Form:
Email: cruiz@lrgvtaskforce.com

Transportation and Hotel Arrangements:
Attendees are responsible for their own transportation and room arrangements. A discounted rate of **$ 165** for a single room or **$185** partial view are available at **Hilton Garden & Suites**, phone number (956) 761-8700, when reservations are made before May 3, 2023. Please reference ***TASK FORCE - Stormwater Conference*** for the discounted rate.

Conference Location:
Hilton Garden Inn South
Padre Island Beachfront
7010 Padre Boulevard
South Padre Island, Texas 78597
(956) 636-5389

Send Payment To:
LRGV Stormwater Task Force
P.O. Box 557
Elsa, TX 78543
Online: https://lrgv-stormwater-task-force.square.site/

For more information, please contact us at:
Email:
cruiz@lrgvtaskforce.com
Website: www.rgvstormwater.org

Early Bird Events
- o **HEC-HMS Course - 2D Intermediate by USACE Instructors - May 19-21, 2024** (Limited Seating)
  - Taskforce Member: **$295.00** Before May 13, 2024
  - Non-member: **$595.00** Before May 13, 2024
  - Student- $100 Before May 13, 2024
  - **Late Registration for HEC-HMS Courses (May 13)**
    - Taskforce Member: **$395.00**
    - Non-member: **$695.00**
    - **Student- $150**
- o **Advanced Course for MS4 personnel and Municipal Staff: Certified Inspector of Sediment & Erosion Control** by *Ecopliant Environmental - May 20-21, 2024*
  - Taskforce Member: **$195.00** Before May 13, 2024
  - Non-member: **$395.00** Before May 13, 2024
  - **Late Registration for Inspection Course (May 13)**
    - Taskforce Member: **$295.00**
    - Non-member: **$495.00**
- o **GIS Course I – Creating Maps Using ARCGIS PRO Beginner Course, May 19, 2024, 8 AM-5 PM**
  - Taskforce Member: **$150.00** Before May 13, 2024
  - Non-member: **$195.00** Before May 13, 2024
  - **Late Registration for GIS I Course (May 13)**
    - Taskforce Member: **$195.00**
    - Non-member: **$215.00**
- o **GIS Course II – Editing GIS Data Using ARCGIS PRO Intermediate Course May 20 8 AM-5 PM**
  - Taskforce Member: **$150.00** Before May 13, 2024
  - Non-member: **$195.00** Before May 13, 2024
  - **Late Registration for GIS II Course (May 13)**
    - Taskforce Member: **$195.00**
    - Non-member: **$215.00**
- **GIS Course III – Creating Dashboards Using Experience Builder May 21, 2024, 8 AM-5 PM**
  - Taskforce Member: **$150.00** Before May 13, 2024
  - Non-member: **$195.00** Before May 13, 2024
  - **Late Registration for GIS III Course (May 13)**
    - Taskforce Member: **$195.00**
    - Non-member: **$215.00**
- o **GIS Course I, II & III – (Discount)**
  - Taskforce Member: **$350.00** Before May 13, 2024
  - Non-member: **$475.00** Before May 13, 2024
  - **Late Registration for GIS I, II & III Course (May 13)**
    - Taskforce Member: **$400.00**
    - Non-member: **$515.00**
- o **ELECTED Official Dinner Event- May 21, 2024- 6 p.m.**
  - Registration: Free (May 21-22 only)   O $200 (May 21-23)
- o **ELECTED Official Guest- South Texas Coastal County Consortium (STC3) Program**
  - Registration: No Cost (May 22 only)   O $150 (May 22-23)
- o **TWDB Category I Technical Committee**
  - Registration- No Fee- May 23, 2024

Conference Registration: May 22 – 23, 2024
- o Early Registration: **$455.00** on or before May 6, 2024
- o Regular Registration: **$575.00** on or before May 13, 2024
- o Late Registration: **$695.00** on or after May 13, 2024
- o Taskforce Representative: **$345.00** before May 6, 2024*
- o Taskforce Staff: **$395.00** before May 6, 2024*
- o University Student (ID Required): **$75.00** before May 20, 2024
- o One Day Conference Fee: **$295.00** before May 20, 2024
  - O Wednesday O Thursday
- o Invited Guest (prior Approval) – No Fee

Conference Registration includes: Breakfast & Lunch: May 22-23, 2024

CREATING MAPS USING ARCGIS PRO BEGINNER COURSE

DATE: MAY 19, 2024
TIME: 8:00 AM – 5:00 PM

DESCRIPTION: In this course, students will learn the basics of working with ArcGIS Pro and get familiar with the program. We will also work with pre-existing data for Stormwater and Capital Improvement Projects to create maps and print layouts.

COURSE OBJECTIVE

ArcGIS Pro allows you to view, edit, analyze, and share your GIS data quickly and efficiently using a modern, ribbon- based interface and streamlined workflows. It is also designed to be web-connected, so you can access information stored online as easily as data that you have stored locally and then share it online or locally with equal ease. In this course, you will learn the basics of working with ArcGIS Pro, including some workflows and best practices.

OUTLINE

1.) Introduction to ArcGIS Pro
2.) Interface Familiarization
3.) Coordinate System Overview
4.) Data Management
5.) Data Symbology
6.) Map Print Layouts
7.) Adding Text to a Map Print Layout
8.) Best Practice and Workflows Recommendations

WHO SHOULD ATTEND?

- Individuals that are new to ArcGIS Pro or migrating from ArcMap
- Individuals that are looking to get familiarized with ArcGIS Pro application features.
- Individuals who need to make simple maps from existing data.
- Individuals that are looking to learn new terminology.

AT A GLANCE

CHALLENGES

- Installation of ArcGIS Pro
- Lack of Internet
- Username and password

BENEFITS

- Enhance GIS Skills
- Efficiency and Productivity
- Access to Online Resources

AIM GIS SOLUTIONS

esri Partner Network Bronze

"Unlock the Power of Your Data"

www.aimgissolutions.com

EDITING GIS DATA USING ARCGIS PRO INTERMEDIATE COURSE

DATE: MAY 20, 2024
TIME: 8:00 AM – 5:00 PM

DESCRIPTION: In this course, students will learn how to create new feature classes to build their Stormwater and Capital Improvement Projects data and edit pre-existing data to keep the information up to date with the agency's new development and growth.

COURSE OBJECTIVE

As you work with your projects, you might need to update old information or add new geometries to your data. ArcGIS Pro allows you to add new data or update features quickly and efficiently. You will also realize that new data will need to be created and we will cover the different GIS formats in detail on this course. ArcGIS Pro also lets you run Analysis and Geoprocessing tools that can help you be more efficient at work. We will also see the integration of your data into ArcGIS Online but at an intro level.

OUTLINE

1.) Introduction to Data Management
2.) Editing and Updating Data
3.) Creating New GIS Data Layers
4.) Introduction to Analysis
5.) Basic Geoprocessing Tools
6.) Introduction to ArcGIS Online
7.) Basic Editing in ArcGIS Online
8.) Best Practice and Workflows Recommendations

WHO SHOULD ATTEND?

- Individuals who need to learn common editing processes.
- Individuals who need to edit existing or new data.
- Individuals who need to digitize data from surveys and/or plat information.
- Individuals who need to extract data from a feature class.
- Individuals who need to share their data to ArcGIS Online.

AT A GLANCE

CHALLENGES

- Inadequate License for ArcGIS Pro
- Lack of access to data
- No data source available

BENEFITS

- Efficiency and Accuracy
- Data Integrity
- Multi-Use Collaboration

AIM GIS SOLUTIONS

esri Partner Network Bronze

"Unlock the Power of Your Data"
www.aimgissolutions.com

CREATING DASHBOARDS USING EXPERIENCE BUILDER ADVANCE COURSE

DATE: MAY 21, 2024
TIME: 8:00 AM – 5:00 PM

DESCRIPTION: In this course, students will learn how to create an interactive dashboard to showcase their Stormwater and Capital Improvement Projects data to the public. Configurations in desktop and mobile devices.
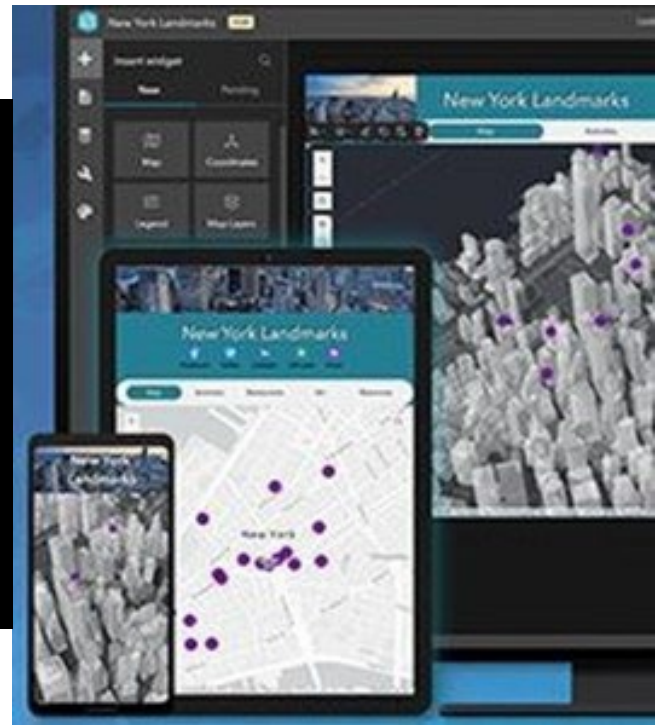
COURSE OBJECTIVE

Learn how to present data simply and effectively to monitor key metrics and activities in progress and provide decision-makers with easy access to the data that matters most to them. This course covers the essential concepts and workflows you need to understand to create a dashboard utilizing ArcGIS Experience Builder from scratch, configure it to meet your data users' needs, and share it with stakeholders.

OUTLINE

1.) Introduction to ArcGIS Experience Builder
2.) Understanding Dashboard Designs
3.) Data Preparation and Integration
4.) Adding Dashboard Components
5.) Configuring Dashboard Components
6.) Customizing Themes and Layouts
7.) Sharing and Publishing Dashboard
8.) Best Practice and Workflows Recommendations

WHO SHOULD ATTEND?

- Individuals who need to efficiently create a dashboard and design its layout.
- Individuals who need to display data, attribute data, maps, and charts on a dashboard.
- Individuals who need to configure dashboard interactivity.
- Individuals who need to add visualizations and format dashboards elements.

AT A GLANCE

CHALLENGES

- Inadequate ArcGIS Online User Role
- Lack of access to data
- Improper Component Configurations

BENEFITS

- Enhance & Data Driven Decision Making
- Customization & Integration
- Real-time Data Updates

AIM GIS SOLUTIONS

esri™ Partner Network Bronze

"Unlock the Power of Your Data"

www.aimgissolutions.com

VISION STATEMENT:

AIM GIS Solutions (AIM GIS) vision is to provide outstanding professional services, practical and innovative trainings, cost-effective solutions for those we serve. Our vision empowers us to grow and contribute to the quality of life of all communities and organizations of the Lower Rio Grande Valley.

Hello Everyone,

My name is Sergio Castro, ENP and I would like to give you a pre-welcome to our coming training with LRGV Stormwater Taskforce partners. A year ago, we had the honor of doing the GIS training course for the conference and we are honored to do them this year again. I have been doing GIS for the past eighteen and a half years from 9-1-1 data management, emergency management operations and local government needs. I'm also and engineer by trait and currently work for the City of Edinburg as an Engineer I / GIS Manager. I oversee all GIS operations and needs for all the city departments. We create and implement workflows to better process Planning and Zoning needs. We use GIS to display and let our constituents know about all our Construction Project with ArcGIS Online and other web components of ESRI as well as Experience Builder. I also have an extensive background in Information Technology (IT) which enables me to know the IT needs for GIS to run optimally. I'm very excited about this opportunity and I'm really looking forward to working and teaching you all!

The Taskforce has a strong desire to assist its members meet stormwater quality management approaches to address broader water quality and watershed issues as this is their modified mission statement since 2006. However, to meet this statement their members need to be provided with the necessary tools to do so. For this reason, the Taskforce decided to offer GIS training in their upcoming conference. They also understand that their members need to keep up with technology changes hence that is why this training will be done using ArcGIS PRO, which is the replacement for ArcGIS Desktop which ESRI will not support after 2026. The Taskforce is an innovative organization that wants their members to be prepared for this coming change.

ABOUT THE TRAINING:

Even do the Taskforce main objective is stormwater, this training will encumber practical aspects for the software and give a sense of how to navigate and operate basic workflows and intermediate aspect of the program. This will mainly be cover in the first two courses:

1.) Creating Maps Using ArcGIS Pro
2.) Editing Data in ArcGIS Pro

Furthermore, the data collected on these two trainings will lead to our 3rd training in which we will be able to display our data for higher management to see in a dashboard built with Experience Builder and other components. We encourage everyone to take all training courses, however the training courses

are designed to be taken individually if you so decide to do so! We encourage you to bring your own device with the software already installed and if that is not possible, we will have a device for you ready to go.

ABOUT THE DATA NEEDED:

I will be providing everyone with the data that we will be working with the day of class, and we will also create data from scratch so that you learn how to create new layers if needed for new projects.

Once again, we are honored to work with the LRGV Stormwater Taskforce and provide this training for its members. We would like to ask you to bring whatever questions you all have on current process or workflows that you are currently doing within your organization for us to discuss as well. We will be having a Q&A and DISCUSSION section at the end of each training day and these topics can be covered then.

I hope to meet you all soon and look forward to sharing our knowledge with you all!

Sincerely,

Your Instructor!