



# WV DOT Scanning Project



Operational Overview





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Overview of processing for plans.

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How the project is managed at the WVGISTC.

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## Project Statistics

Current statistics for the project.

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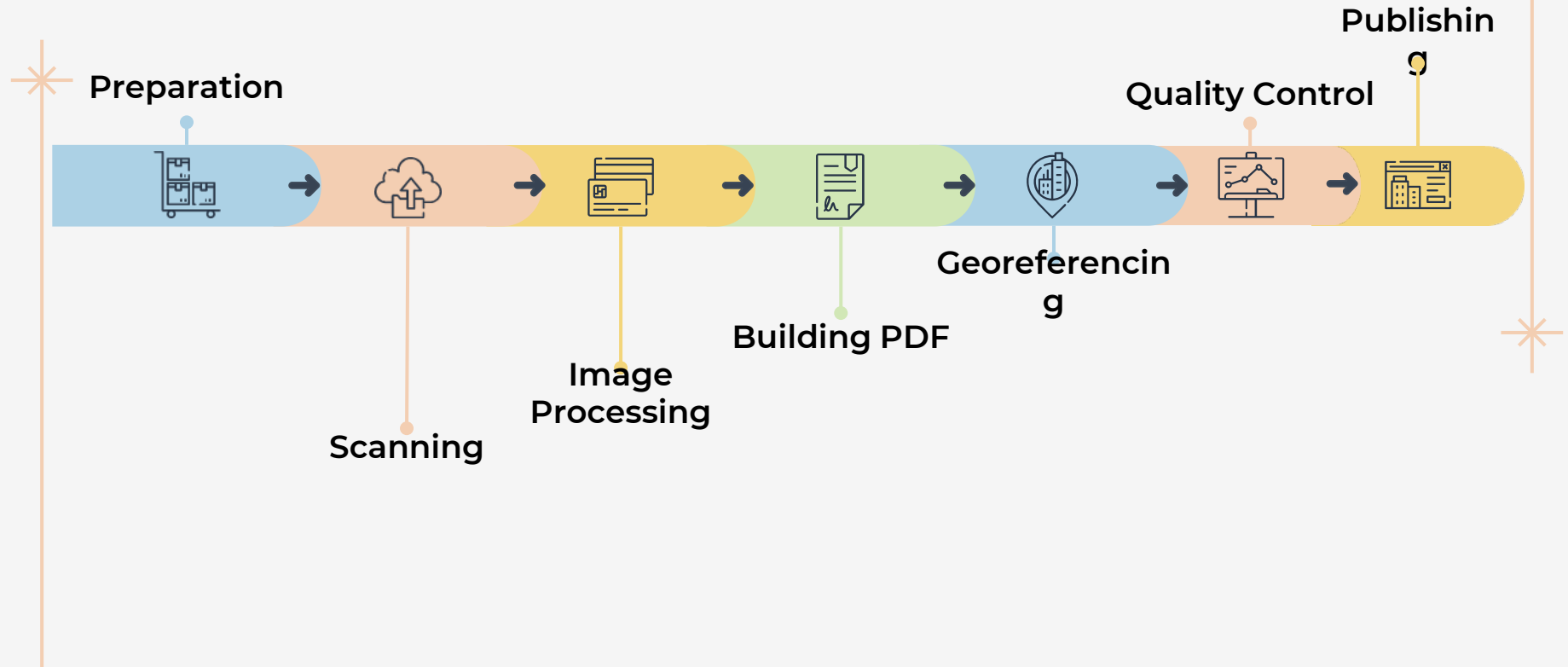


# 01

## Project Overview



# Operational Flow



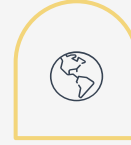
# Key Software



**Adobe Photoshop**



**Adobe Acrobat**



**ArcGIS Pro**



**Network Drive**



**Script Based**



**Microsoft Access**





# Project Book Preparation



## Unpacking

Plans given by the DOT are moved to the naming pile.



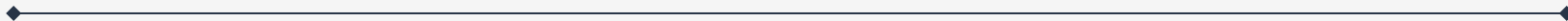
## Sorting

Each folder is checked for organization and sorted.



## File Naming

Plan information is entered into the Database.



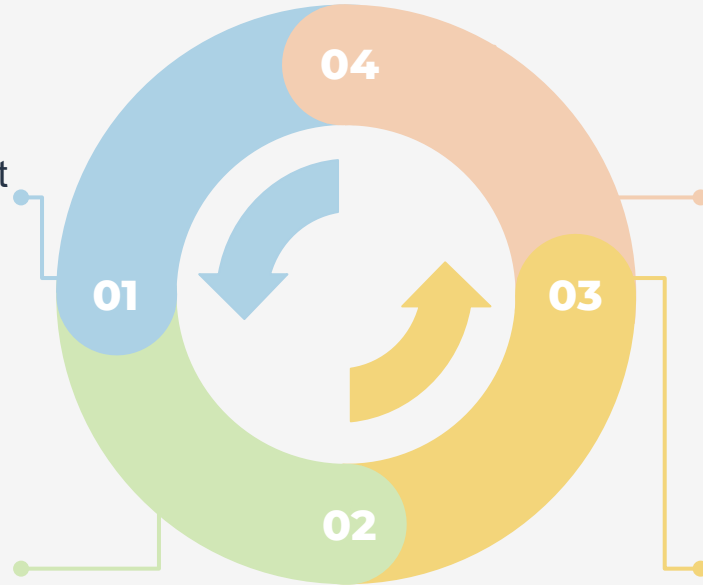
# Project Book Scanning



Scanner is cleaned and set up.



Each page is cleaned and repaired as needed.



The original scans are relocated to the network drive.



Each sheet is scanned and checked for errors.

# The Tech Center's **Scanning Room**

Finished  
Plans

Plans  
Needing  
Named

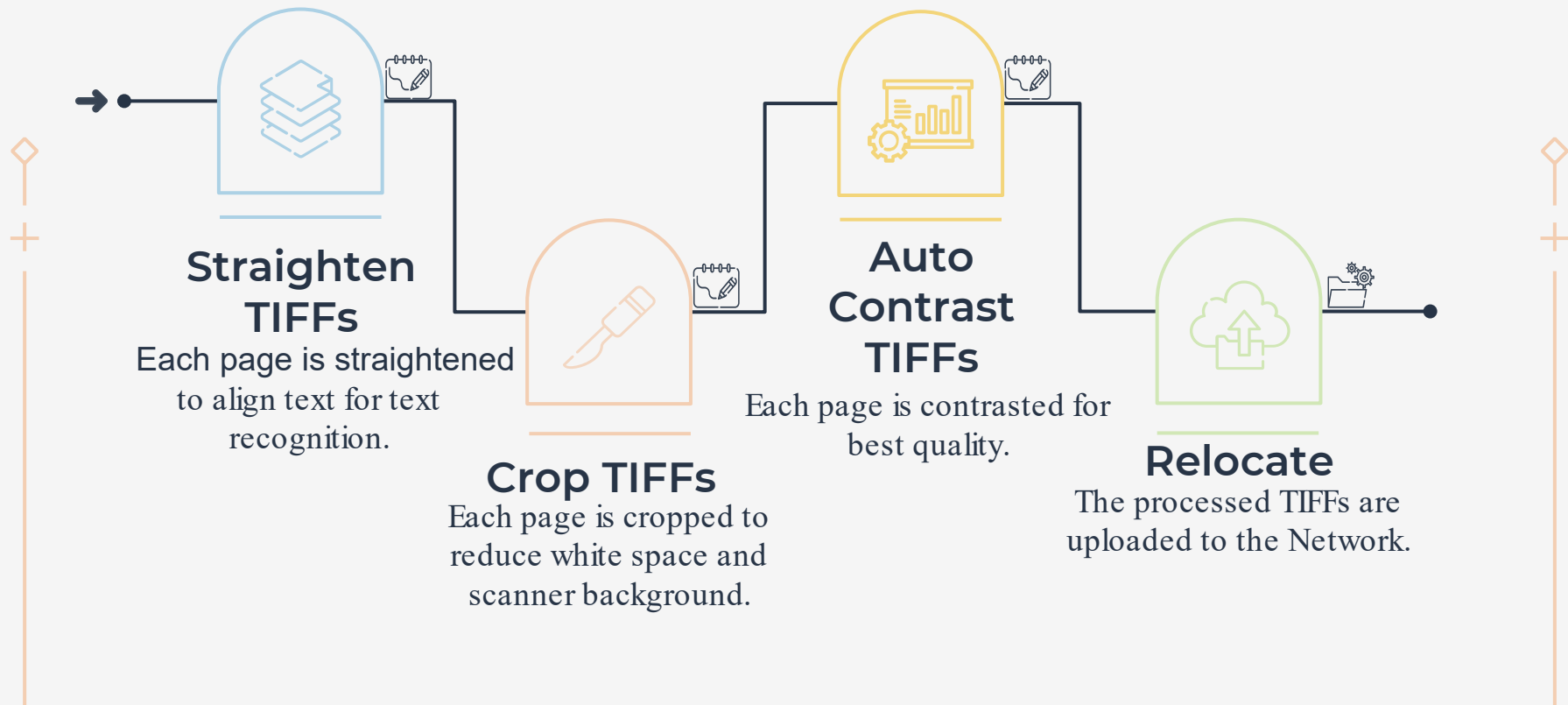
Plans  
Ready to  
Scan

Scanning  
Stations

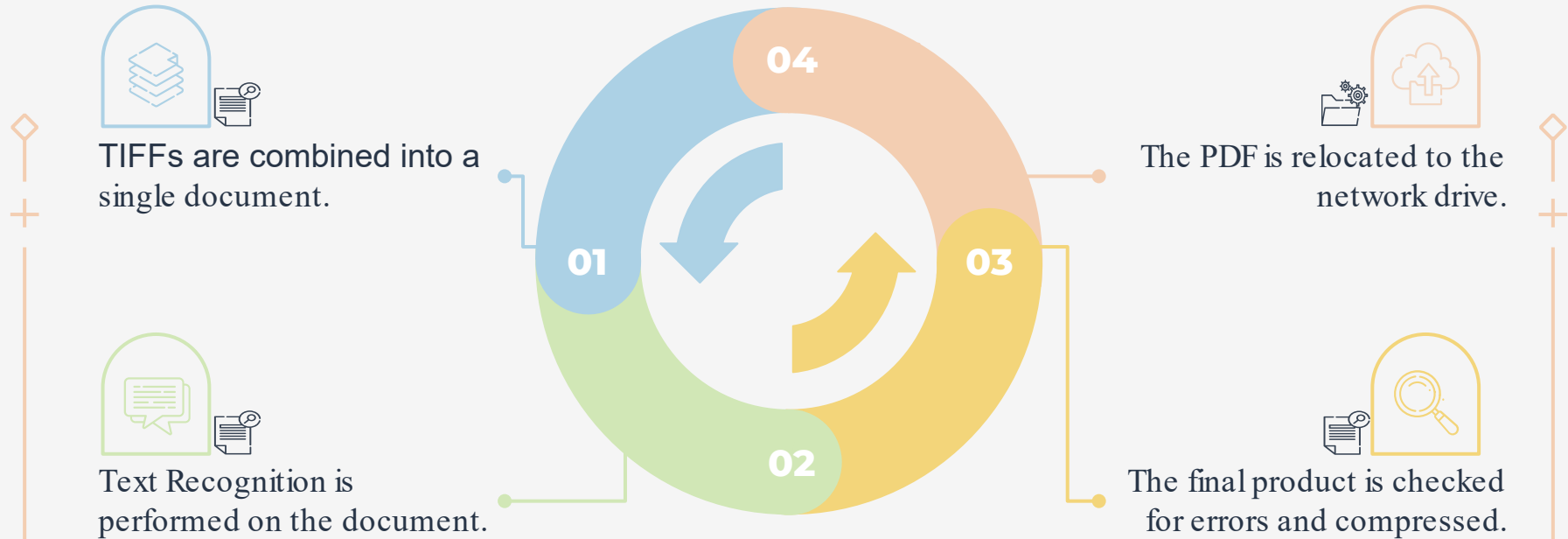




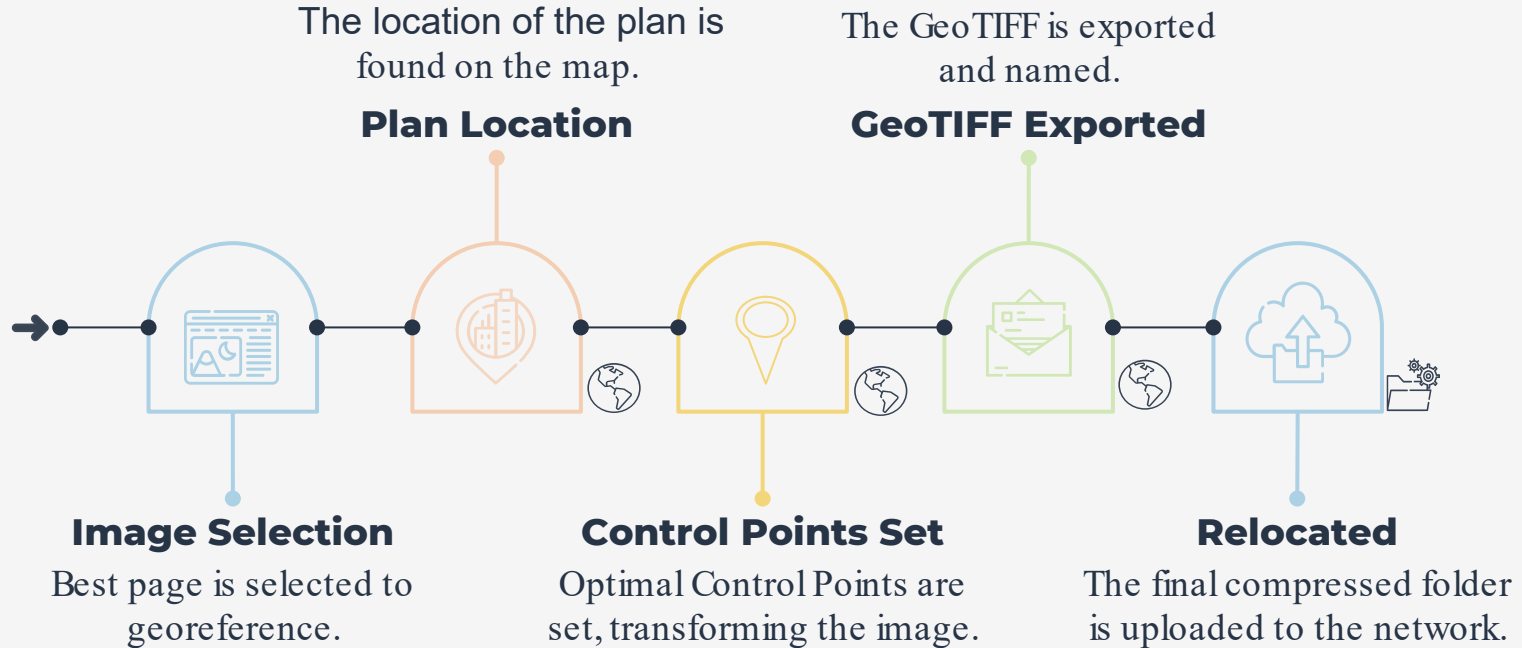
# Image Processing



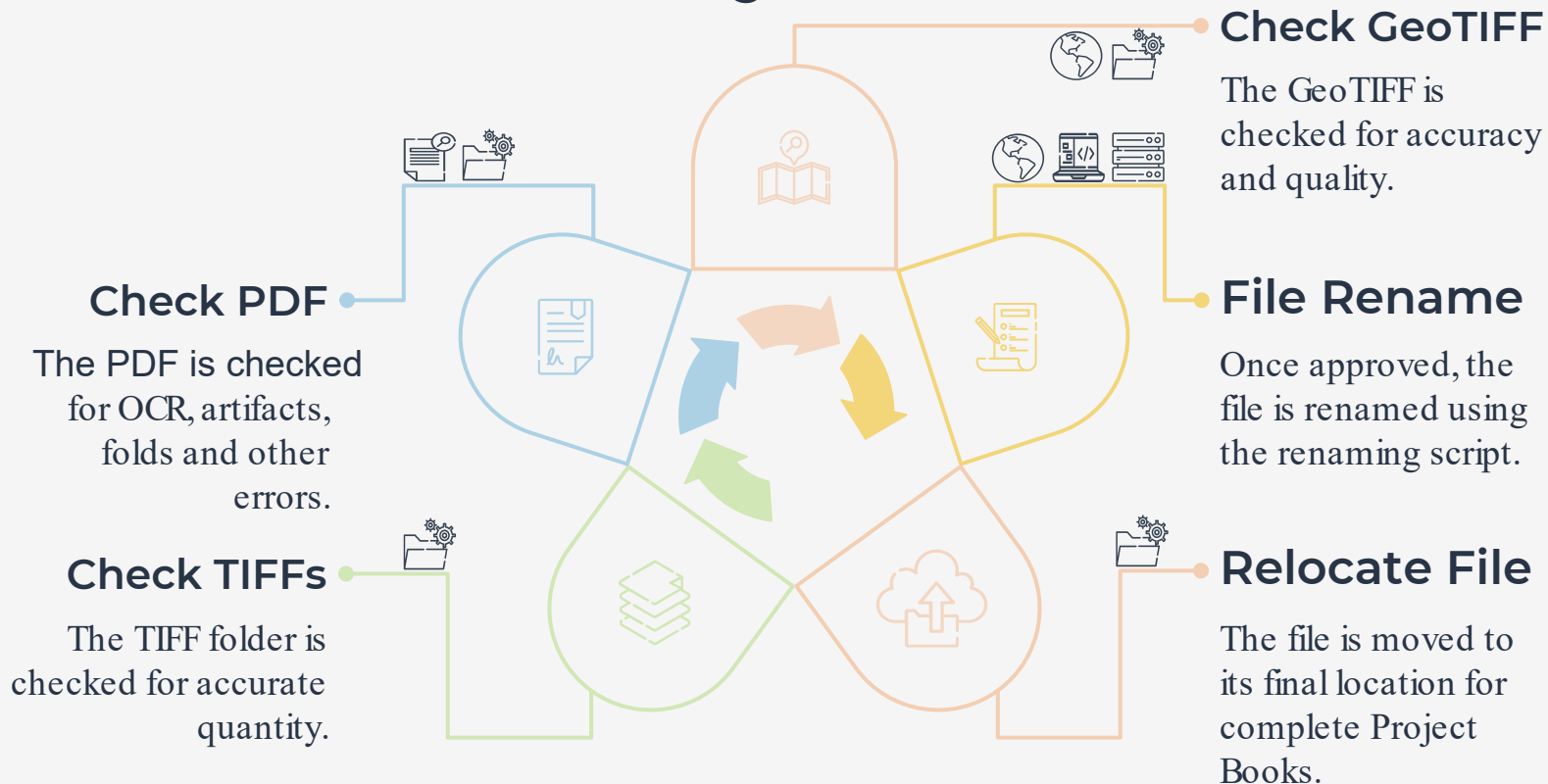
# Building the PDF



# Georeferencing

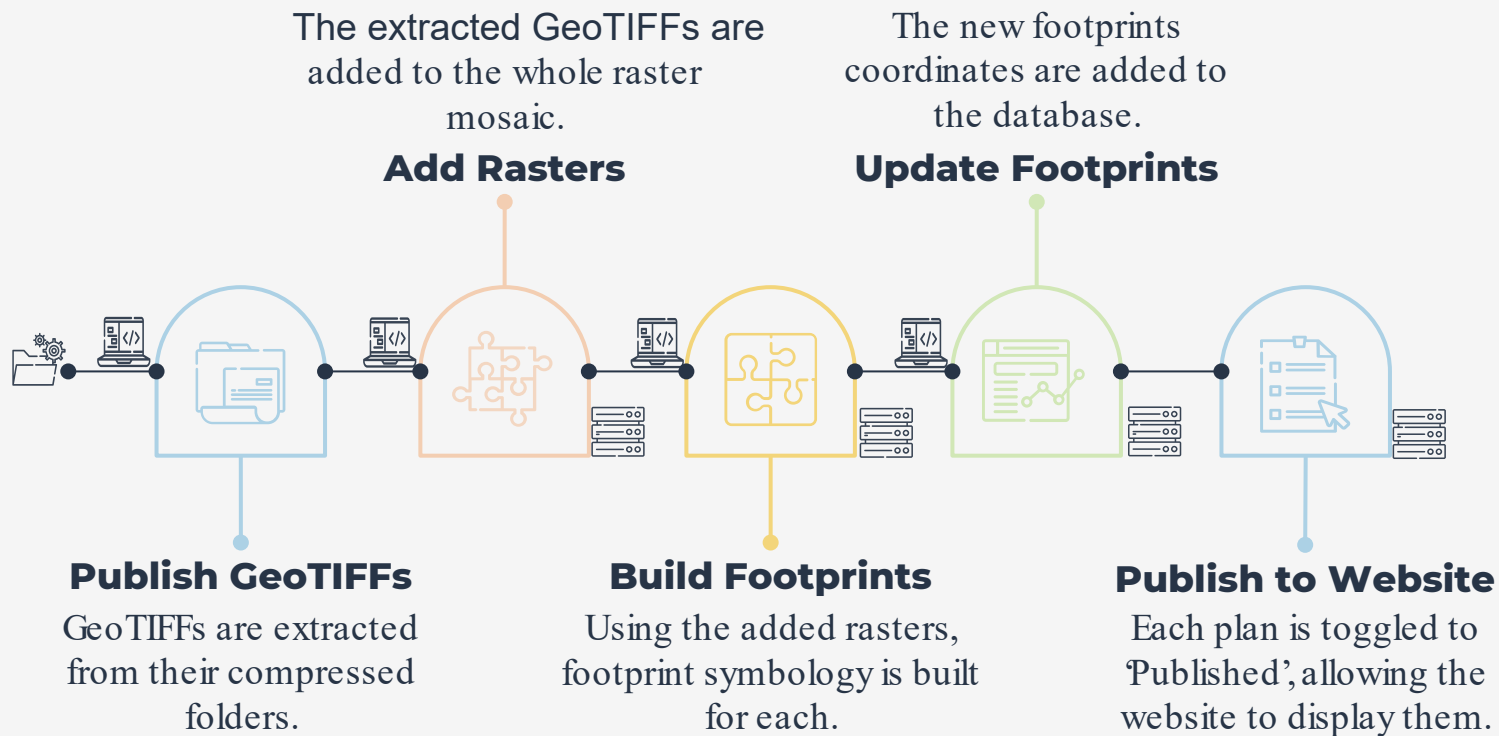


# Quality Control





# Publishing



Sign System	Year	Route	Mile	Bridge	
Coverly	2019	8	0	---	
Coverly	2019	8	0	10004.10849	
State	2006	81	0	10000	
Coverly	1968	11	1	---	
Coverly	1968	11	0	---	
Coverly	1968	11	0	---	
Coverly	1968	11	0	---	
Interchange	2001	81	18	10003.9934-0.02147-1.02148-1	
Coverly	2011	9	0	10047.0	
Interchange	1981	81	0	---	
State	1988	901	5	02148.0	
State	1988	19	4	3762	
J.B.	1988	11	0	---	
Coverly	1948	5	0	---	
State	1988	9	4	5002	
State	1948	9	4	5002	
Other	1930	0	0	2045	
Other	1988	11	0	4110	
N.A.	1982	33	22	3188.0	
N.A.	1982	33	22	3188.0	
N.A.	1982	33	22	---	
State	1984	82	18	1802.0	
J.B.	1918	200	17	---	
Coverly	2003	36	0	---	
State	1988	200	0	---	
State	1988	82	18	---	
State	1984	82	28	4115	
Coverly	1987	0	3	4230	
Coverly	2013	11	0	10411	
J.S.	1945	30	0	---	
State	1988	82	18	1802	
J.B.	1945	200	0	---	
Coverly	1981	30	0	---	

[illegible][illegible]

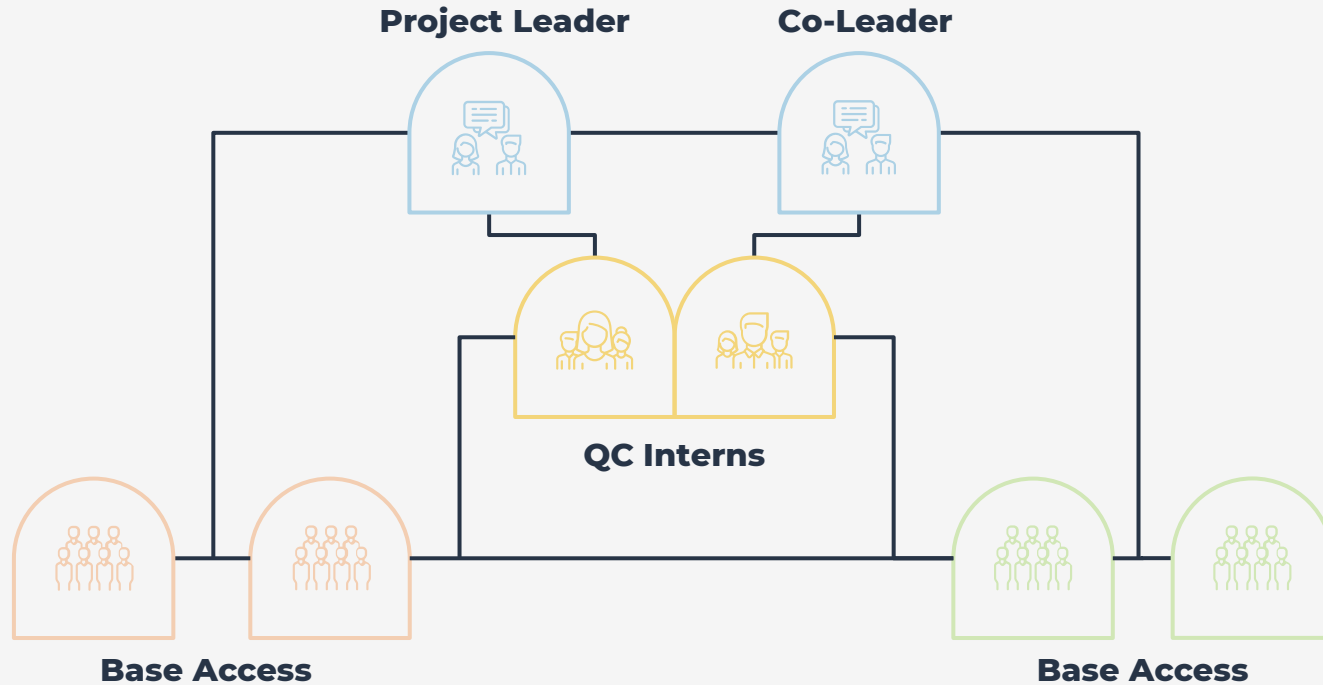


02

# Project Management



# Organizational Chart





# Documentation



Three different documents are used for tracking progress:

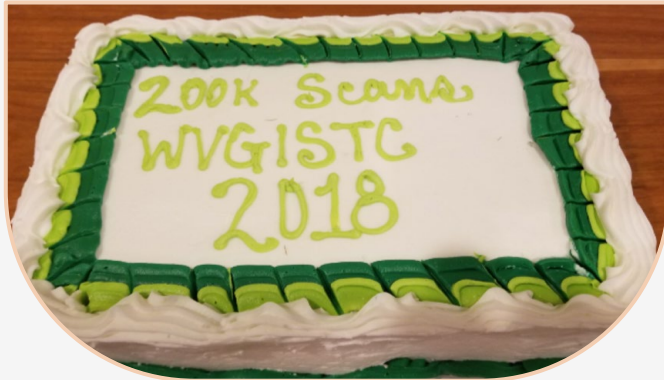
- DOT\_Operator Access Database
- DOT Performance Tracker Google Sheet
- Web QC Status Google Sheet

Each serves a specific goal. The Access database is for statistics, the Performance Tracker for monitoring the stages of processing, and the Web QC Status for assuring plans on the website function correctly.



# Our Milestones

Currently working through Phase III of the project. Our next milestone is at 500,000 pages scanned. Approximately 20,000 to go!





# 03

# Project **Statistics**



As of March 2<sup>nd</sup>, 2023



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# 500,000



Sum of Phase-III deliverables. An estimated **27,405** sheets remain till reaching the projected end of Phase III.

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435,892



Sheets Scanned

11,505



Plans Scanned

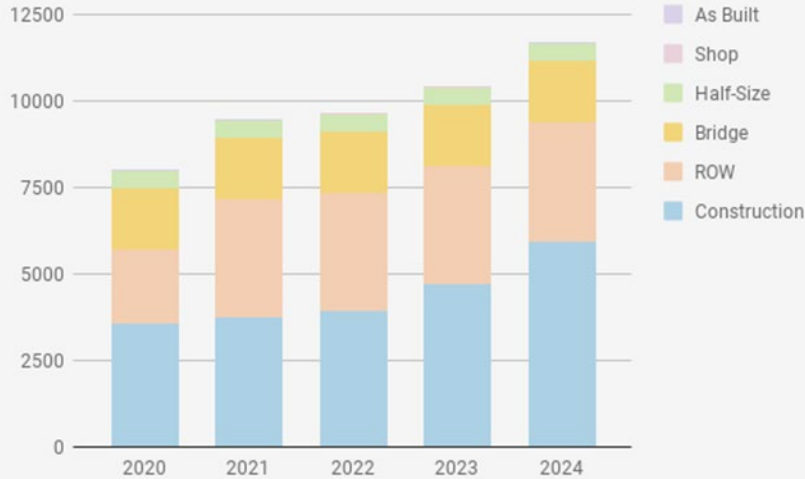
11,448



Plans Published



# Plan Type Breakdown



Total Plans as of October 2024:

**11,505**

## Construction Design

Total: 5,907

## Right of Way

Total: 3,427

## Bridge

Total: 1,787

## Half-Size

Total: 497

## Shop Drawing

Total: 22

## As Built

Total: 17

# File Size Breakdown

## Uncompressed TIFF Files

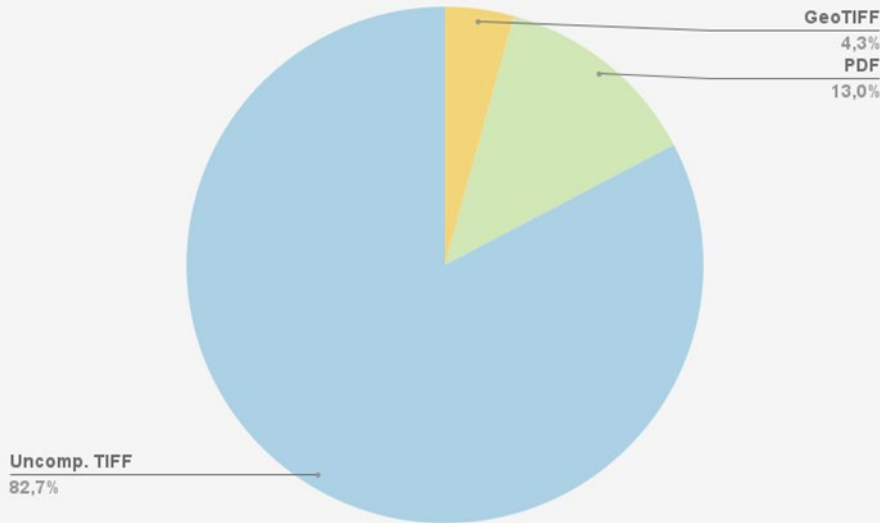
Loose, processed scan files. Does not include the original scans but does include the unzipped GeoTIFF files.

## PDF Files

The PDF's consist of all the individual pages which make up a project book. Needed for the website.

## Compressed GeoTIFF Files

This is the amount of storage the compressed GeoTIFF folders make up. This is needed for publishing.



Our main folder currently holds approximately 7TB of data.