

Quicker Results: Empowering Staff By Encouraging AI Use in Transportation

Jonathan Staats, PE
 Assistant College Director of Project Management
ChatGPT User since December 2022
staatsj@otc.edu



1

Major Takeaways

UNDERSTAND

- AI's Capacity for Speeding Up Your **Productivity**
- How To Construct Smarter **Prompts**
- AI's Place In Your **Workflow**



2

Privacy

CoPilot

How can I control whether my data is used for model training?

If you are logged into Copilot with a Microsoft Account or other third-party authentication, you can control whether your conversations are used for training the generative AI models used in Copilot. Opting out will exclude your past, present, and future conversations from being used for training these AI models, unless you choose to opt back in. If you opt out, that change will be reflected throughout our systems within 30 days.

You can control whether your conversations are used for model training at any time in the following ways:

- On copilot.microsoft.com: Select your profile icon, select your profile name, then select **Privacy > Model training on text/voice**.
- In Copilot for Windows: Select your profile icon, then select **Settings > Privacy > Model training on text/voice**.
- In the Copilot mobile app: Open the menu, select your profile icon, then select **Account > Privacy > Model training on text/voice**.

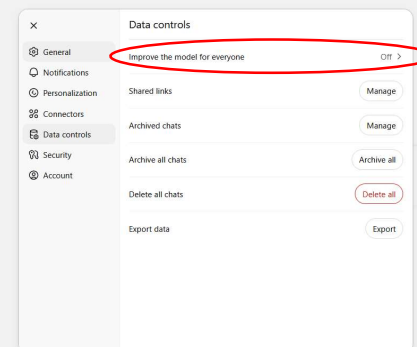
[Microsoft Privacy Statement](#).

We may eventually expand model training and opt-out controls to users in certain countries where we do not currently use conversation history for model training (see [What data is excluded from model training?](#)). But we will do so gradually, to ensure we get this right for consumers and to ensure we comply with local privacy laws around the world.



3

ChatGPT



4

WORKFLOW DIFFERENCES

Task	Without AI	With AI
Traffic Study Executive Summary	1 – 2 hours	10 – 15 minutes
Public Meeting Q&A Prep	Review Documents	Upload Documents and Ask AI for Questions & Answers
Review a Research Paper	Fall Asleep Reading It	Ask AI to Summarize the Highlights
Writing Grant Applications	Start From Scratch	AI Build Entire Rough Draft



5

1. ROLE & GOAL You are... **An Engineer**
Write... **A Traffic Memo for**
A New Left Turn Lane

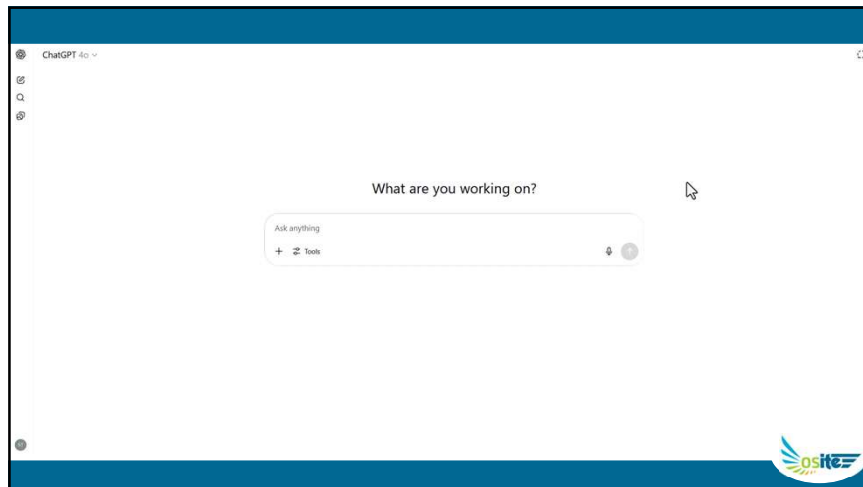
2. Context → Memo should match local language

3. Constraints → Should be 4 paragraphs, for lay person

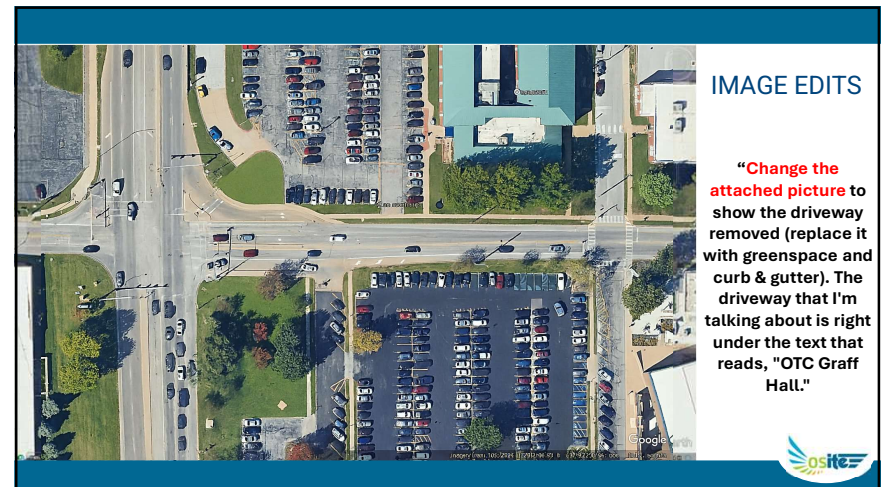
4. Questions → Ask me questions to help write it



6



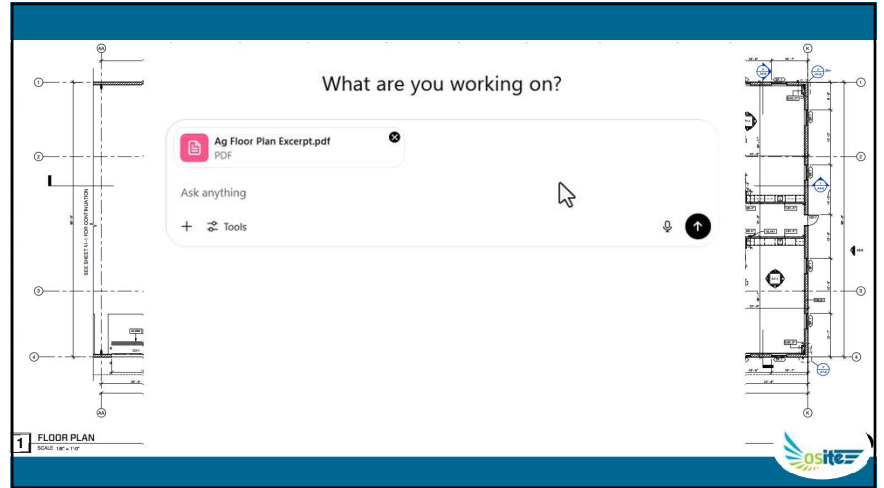
7



8



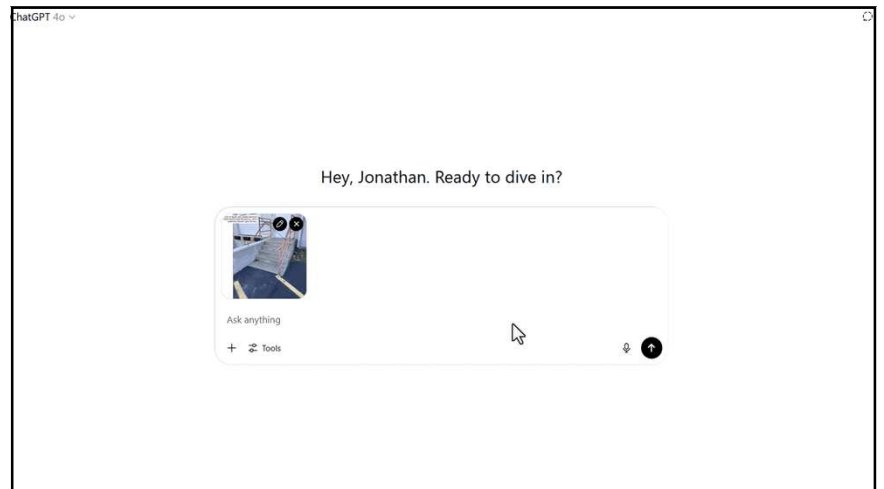
9



10



11



12

How Do We Adapt With AI?

- Build an AI Prompt Library for your organization**
- Discuss ethical concerns and adjust to them**
- Invest time to discuss how to enhance your workflow**




13

Ethics

Should we use Artificial Intelligence in our work?

- Any use of AI as a transportation professional should uphold public safety as the first priority.
- The entire point of the PE license is guidance and quality control.
 - AI is going everywhere.



14



DEVELOPING YOUR "PROMPT LIBRARY"



15



HeyGen



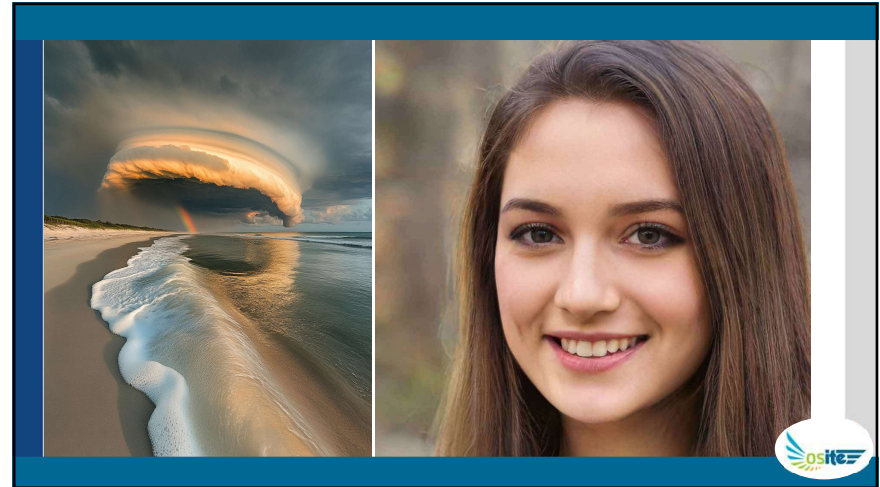
16

LET'S CHAT

Jonathan Staats, PE
Assistant College Director of Project Management
staatsj@otc.edu
417-512-6717



17



18