

# AWP and AI

(Separate Topics)...at least for now

# First off – What AI Overlords Can We Use?

- ◇ <https://sites.google.com/wv.gov/othub/policy-governance/artificial-intelligence>

## AI Software Guidelines

All other AI software, including open-source AI tools, must be approved by WVOT before use.

### Approved AI Software

- Google Gemini for Workspace
  - Microsoft CoPilot Chat
- Microsoft CoPilot Studio - Requires CIO Review
- Grammarly - Requires full license and State ID
  - Gemini Apps

### Prohibited AI Software

- ChatGPT
- DeepSeek
- Any AI model that transmits data outside of the United States
- Any AI model that is banned in the [FCC Secure Networks Act](#)

## Next Big Trend in Our Lives...

- ◆ The first (many iterations) car was a lot worse than horse and buggy
- ◆ How many years did it take for a computer to beat a human at chess?
- ◆ It's now impossible for a human to beat a computer at chess.



# \$2000

(\$71,230 TODAY)



## GENERAL CONDITIONS

Stanhope, as compared with the horse-drawn vehicle of the same character:

### COST OF HORSE VEHICLE

Cost of Stanhope.....	\$500.00
Cost of horse.....	250.00
Cost of harness.....	100.00
Total.....	\$850.00

### COST OF ELECTRIC VEHICLE

One Stanhope.....\$2000.00

Cost of electric vehicle to run twenty miles a day, twenty cents. Cost of stabling, eight dollars per month. Cost of current per month, six dollars. Total cost to operate, fourteen dollars per month.

Cost of stabling and feeding a horse, twenty-five dollars per month.

Daily mileage obtainable with one electric vehicle, eighty miles.

Daily mileage obtainable with one horse vehicle, twenty miles.

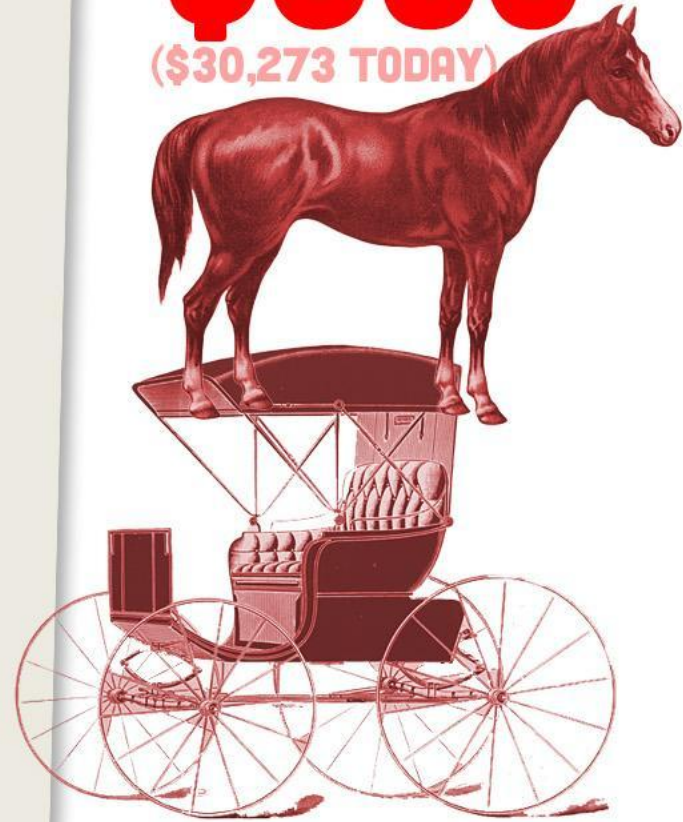
Same mileage with horse-drawn vehicle would require four horses at \$250 each, or \$1,000, and \$600.00 for carriage and harness would make a total cost of \$1,600.

Figured for a year, this would be as follows, taking sixty miles a day as a possible

# INITIAL COST

# \$850

(\$30,273 TODAY)



# Next Big Trend in Our Lives...



**The first computer was much worse than a typewriter**

I remember those days...

Some may argue that for specific jobs, a typewriter is better.



**Right now – We (humans) are trying to figure out how to use**

**AI.** Definitely being widely adopted by all walks of life.

# National Involvement/Adoption/Usage



Everyone is asking: How can we use this?

My advice?

Play with it, have fun with it, see what it can do

# National Involvement/Adoption/Usage


- ◆ For a webpage recipe (lots of ads) – Give the link to AI and tell it to summarize the recipe
- ◆ Take a picture of my wife's shopping list and make it a check list for me.
- ◆ Check my Child's Homework
- ◆ Clean up images

# Running this Presentation into Google



Gemini

Presentation Review and Suggestions



- **Slide 16 & 17:** Both are titled "**Next Major Projects.**" To help the audience follow along, consider differentiating them as "Next Major Projects: APLs" and "Next Major Projects: QC Plans".  +1

## Content Clarity

- **AI Acronyms:** You mention "**MPs**" and "**AWP**". Ensure your audience (specifically the "WVDOH folks" mentioned) is fully aware of what these stand for in this specific context, or define them upon first use.  +3
- **The "Checklist" Example:** In your AI examples, you mention "Take a picture of my wife's shopping list". In the screenshot provided, the AI output actually categorizes the list by "Bakery," "Dairy & Eggs," etc. You might highlight this **categorization** as a specific benefit beyond just making it a "checklist". 

---

**Would you like me to suggest a few witty "How not to ask a question" examples for Slide 1 to match the tone of your AWP complaints slide?**

# Actual Work Usage of AI



I'VE LOADED THE SPEC  
BOOK AS WELL AS ALL  
THE MPS INTO



I'VE SHARED THIS  
WITH WVDOH FOLKS



TRY USING IT.



TRY TO "THINK  
OUTSIDE THE BOX"



Sources



+ Add sources

Search the web for new sources

Web Fast Research

Select all sources

103 BRIDGE PLAN SHEET ORDER L. Concrete Reinfor...

2023\_\_Standard Spec Book.pdf

2024 Supplemental Specifications\_20230104.pdf

2025 Supplemental Specifications\_20241209.pdf

2026 Supplemental Specifications - Final 2-2-2026.pdf

Bridge Design Standard BD-626M - Anchored Walls - ...

Chapter 8 Walls and Buried Structures - Bridge Desig...

Concrete Lagging - Dynamic Precast

Report of Geotechnical Exploration U-5114 Retaining ...

Soldier Pile Wall Safety - Subsurface Construction Co...

Soldier Pile and Lagging Walls: Uses, Advantages, an...

Trenching and Shoring Manual, Compiled PDF - Caltr...

Chat



Thursday, February 26

are traffic signals buy america required

Yes, traffic signals and their associated equipment are subject to Buy America requirements.

According to the West Virginia Division of Highways (WVDOT) Buy America Acceptance Guidelines (MP 106.10.50), traffic signal components must comply with Buy America requirements and require a submitted **Certificate of Compliance (CoC)** prior to being permanently incorporated into a project 1 2 .

The guidelines categorize traffic signal items into two main groups, both of which require a CoC:

**1. Steel and Iron Requirements** The following items are categorized as "Steel and Iron" (meaning all manufacturing processes for the steel/iron from the initial melting stage through the application of coatings must occur in the United States) 3 ... :

- **Traffic Signal Materials & Equipment** 5
- **Signal Sections** (V12, V12P, G16) 7
- **Signal Supports** (including Mast Arms, Strain Poles, Video Arms, and Pedestals) 7 8
- **Signal Support Anchor Bolts** 8
- **Detector Loops (LPS)** 5
- **Junction Boxes** (All types, all duty, cast in place) 8

**2. Manufactured Material Requirements** The following items are categorized as "Manufactured Materials" (meaning the final assembly of the product—or for newer projects, 55% of the cost of components—must be manufactured in the United States) 5 9 :

- **Traffic Signals, Miscellaneous** 5

Start typing...

134 sources



are traffic signals buy america required

Yes, traffic signals and their associated equipment are subject to Buy America requirements.

According to the West Virginia Division of Highways (WVDOH) Buy America Acceptance Guidelines (MP 106.10.50), traffic signal components must comply with Buy America requirements and require a submitted **Certificate of Compliance (CoC)** prior to being permanently incorporated into a project [1](#) [2](#).

The guidelines categorize traffic signal items into two main groups, both of which require a CoC:

**1. Steel and Iron Requirements** The following items are categorized as "Steel and Iron" (meaning all manufacturing processes for the steel/iron from the initial melting stage through the application of coatings must occur in the United States) [3](#) [...](#):

- **Traffic Signal Materials & Equipment** [5](#)
- **Signal Sections** (V12, V12P, G16) [7](#)
- **Signal Supports** (including Mast Arms, Strain Poles, Video Arms, and Pedestals) [7](#) [8](#)
- **Signal Support Anchor Bolts** [8](#)
- **Detector Loops (LPS)** [5](#)
- **Junction Boxes** (All types, all duty, cast in place) [8](#)

**2. Manufactured Material Requirements** The following items are categorized as "Manufactured Materials" (meaning the final assembly of the product—or for newer projects, 55% of the cost of components—must be manufactured in the United States) [5](#) [9](#):

- **Traffic Signals, Miscellaneous** [5](#)

# AI Usage - Proof Reading Documents



“Check for Errors and Typos”



Did this for the 2026 Supplemental



I do this for MPs



AI does a great job of “reading” and “organizing” a lot of data very quickly.

# How to Ask AI Questions (And More Usage)

- ◆ Talk to it like you'd text your friends
- ◆ Give it something and tell it what you want to do, then refine it.
- ◆ For example: “Re-write this to sound more professional”.
  - Then “OK make it a little less professional”
  - Now add a note about how well the quarterly report went.
- ◆ The 2025 IA report was just submitted to me
  - I'm going to run it through AI to do an initial check for consistency.

# AWP Updates



FYI – I had to go into  
SiteManager.

- ◆ Industry Access is completed
- ◆ Things are settling down.
- ◆ Hoping to keep things moving smoothly for the next few years
- ◆ Maybe some small changes that will help your workflow.
- ◆ Can catch up and fix a few nagging issues

## AWP - Updates

# Next Major Projects - APLs



Using AWP Data to generate our  
APL on the Webpage



Choose a material code (and  
date if applicable) and generate  
an APL.

- ◆ Stand alone Application
- ◆ Submit QC and Containment Plans
- ◆ Allow users to Track Progress
- ◆ Make generation of report significantly easier (much faster timeline).

Next Major  
Projects – QC  
Plans

# How to ask a (AWP) Question

- ◆ ...or a Question in general, using AWP as the primary focus
- ◆ Include a link to the issue that you're experiencing
- ◆ Include a screenshot of the issue that you're seeing
  - Use Snip and Sketch
- ◆ Explain what you expect to see/happen
- ◆ Send a copy of the report that you are referring
- ◆ If it's not specific, then explain the problem you want fixed

## Specific Example (Good Question)



- ◆ Line 0120 isn't paying for aggregate. We have all the QC tests but they aren't showing up on the Sampling Checklist
- ◆ The Contract ID is 20250001235 – Pickers Fork
- ◆ The material is Class 1 Aggregate, the sample records are C1N-1235 and C1N-1236
- ◆ I've included the detailed sampling checklist.



# How Not to Ask a Question

- ◆ The concrete is holding a lot of money and I'm getting questions, why isn't it paying? Its CID 2024000000120.

# How to Ask for Something New

- It would be really nice if you could include the cement factor right here on this screen:

Home Previous My Pages

Overview Find Sample Maintain Test Queue Receive at Destination Lab Receive at Lab Unit Review Samples Review Tests

## Sample Record Summary

▼ Sample Record: Shaf20260128115757 C4253845

General	Mix Design Type	Created By
Mix Design Information	PCC - Portland Cement Concrete	E106519@wv.gov
Sources/Facilities	Mix Design ID	Created Date
Destination Lab	2500310-PCC	01/28/2026 11:57:57 AM
Contract	Class B with Fly Ash Extended Set CC	Last Updated By
Tests		E106519@wv.gov
Test Results		Last Updated Date
Sample Verification		01/28/2026 12:03:50 PM

Ask the Crowd?

# Survey – Major Issues with AWP?

# Process Flow Updates

---

Emails instead of Paper (Scans)

---

Attachments

---

Show demonstrate how we're hoping you're doing things...

---

Hand in the air if you use AWP (I would hope since you're in this

---

class).  
Bonus – Using Filters – Time Based, Demonstration