

Hello

Hello! How are you today?

What Is AI and how can it benefit the individual or industry?

AI, or Artificial Intelligence, refers to computer systems designed to perform tasks that typically require human intelligence, such as learning, reasoning, problem-solving, and understanding language. For individuals, AI can offer personalized recommendations, automate repetitive tasks, enhance productivity, and provide smarter decision-making tools. For industries, AI can improve efficiency, reduce costs, optimize processes, enable predictive maintenance, enhance customer service, and drive innovation through data-driven insights.

Show me all the welds where visual inspection is not completed in work order
100500514

There are 2 welds in work order 100500514 where visual inspection (CWI) is not completed.

Work Order No.	Weld Serial Number	Category	CWI Result	NDE Result	CRI Result
100500514	250026	Production	Pending	-	-
100500514	250020	Production	Pending	-	-

Key Takeaways

- All welds in this work order have their CWI (visual inspection) status marked as "Pending," indicating no visual inspections have been completed yet.
- Both welds belong to the "Production" category, with no tie-in or prefab welds present.
- NDE (Non-Destructive Examination) and CRI (Customer Representative Inspection) results are also not recorded, suggesting inspections are pending across multiple quality control stages.
- The absence of welder and rod class data may indicate that welding activity details have not yet been fully documented in the system.

What are the API 5I Requirements?

API 5I is an American Petroleum Institute specification that outlines requirements for the inspection, maintenance, and repair of used drill pipe. It covers inspection procedures, acceptance criteria, dimensional tolerances, and documentation to ensure drill pipe integrity and suitability for reuse in drilling operations.

Show me all the welds that are pending visual inspection in work order
100500514

There are 2 welds pending visual inspection in work order 100500514.

Work Order No.	Weld Serial Number	Category	CWI Result	NDE Result	CRI Result
100500514	250026	Production	Pending	-	-
100500514	250020	Production	Pending	-	-

Key Takeaways

- All welds in work order 100500514 are in the Production category.
- Both welds have CWI (visual inspection) results marked as "Pending," indicating no visual inspection has been completed yet.
- No NDE (Non-Destructive Examination) or CRI (Customer Representative Inspection) results are recorded for these welds.
- The absence of inspection results suggests these welds are still in the early quality control stage.

What are Welds, Pipe, elbows?

Are you asking for definitions and explanations of welds, pipes, and elbows, or do you want to see weld records in the system that involve pipes and elbows?

i want definitions and explanations

Welds are joints created by fusing materials, typically metals or thermoplastics, using heat, pressure, or both. Pipes are hollow cylindrical components used to transport fluids or gases. Elbows are pipe fittings that allow a change in direction, usually at angles like 45° or 90°, in a piping system.

Show me all the welds that are pending NDE review in work order 100500514

There are 32 welds pending NDE review in work order 100500514.

Work Order No.	Weld Serial Number	Category	CWI Result	NDE Result	CRI Result
100500514	250911	Production	Accept	Pending	-
100500514	250885	Production	Accept	Pending	-
100500514	250398	Production	Accept	Pending	-
100500514	250284	Production	Accept	Pending	-
100500514	250276	Production	Accept	Pending	-
100500514	250210	Production	Accept	Pending	-
100500514	250192	Production	Accept	Pending	Reject
100500514	250190	Production	Accept	Pending	Reject
100500514	250184	Production	Accept	Pending	-
100500514	250180	Production	Accept	Pending	-
100500514	250179	Production	Accept	Pending	-
100500514	250162	Production	Accept	Pending	-
100500514	250085	Production	Accept	Pending	Reject

100500514	240750	Production	Accept	Pending	-
100500514	240747	Production	Accept	Pending	-
100500514	240680	Production	Accept	Pending	-
100500514	240679	Production	Accept	Pending	-
100500514	240676	Production	Accept	Pending	-
100500514	240637	Production	Accept	Pending	-
100500514	240632	Production	Accept	Pending	-
100500514	240405	Production	Accept	Pending	-
100500514	240319	Production	Accept	Pending	-
100500514	240189	Production	Accept	Pending	-
100500514	240127	Production	Accept	Pending	-
100500514	240124	Production	Accept	Pending	-
100500514	240103	Production	Accept	Pending	-
100500514	250866	CutOut	Reject	Pending	-
100500514	240184	CutOut	Accept	Pending	-

Key Takeaways

- All 32 welds in work order 100500514 have an NDE result status of "Pending," indicating they are awaiting non-destructive examination review.
- The majority of these welds fall under the "Production" category, with only 2 classified as "CutOut."
- Most welds have a CWI (Certified Welding Inspector) result of "Accept," but there are instances of "Reject" in both Production and CutOut categories.
- Several welds also have CRI (Customer Representative Inspection) results marked as "Reject," which may require rework or further investigation before NDE completion.
- The pending NDE status across all welds suggests a bottleneck in inspection workflow or scheduling delays in the NDE process.

How is the Weather in Redmond?

I don't have real-time weather data, but in late September, Redmond typically experiences mild fall weather with temperatures around 50–65°F (10–18°C) and occasional light rain or cloudy skies.

Show me all the welds where visual is completed but not reviewed by NDE in work order 100500514

There are 27 welds in work order 100500514 where visual inspection (CWI) is completed with an "Accept" result but NDE review has not yet been performed.

Work Order No.	Weld Serial Number	Category	CWI Result	NDE Result	CWI Name	NDE Name
100500514	250911	Production	Accept	Pending	Joe Woods	-
100500514	250885	Production	Accept	Pending	Joe Woods	-
100500514	250398	Production	Accept	Pending	Authority Ugbenin	-
100500514	250284	Production	Accept	Pending	Authority Ugbenin	-
100500514	250276	Production	Accept	Pending	Authority Ugbenin	-
100500514	250210	Production	Accept	Pending	Authority Ugbenin	-
100500514	250184	Production	Accept	Pending	Authority Ugbenin	-
100500514	250180	Production	Accept	Pending	Authority Ugbenin	-
100500514	250179	Production	Accept	Pending	Authority Ugbenin	-

100500514	250003	Production	Accept	Pending	Joe Woods	-
100500514	241113	Production	Accept	Pending	Johnson Okorare	-
100500514	241112	Production	Accept	Pending	Johnson Okorare	-
100500514	240750	Production	Accept	Pending	Johnson Okorare	-
100500514	240747	Production	Accept	Pending	Johnson Okorare	-
100500514	240680	Production	Accept	Pending	Johnson Okorare	-
100500514	240679	Production	Accept	Pending	Johnson Okorare	-
100500514	240676	Production	Accept	Pending	Johnson Okorare	-
100500514	240637	Production	Accept	Pending	Johnson Okorare	-
100500514	240632	Production	Accept	Pending	Johnson Okorare	-
100500514	240405	Production	Accept	Pending	Johnson Okorare	-
100500514	240319	Production	Accept	Pending	Johnson Okorare	-
100500514	240189	Production	Accept	Pending	Johnson Okorare	-
100500514	240127	Production	Accept	Pending	Johnson Okorare	-
100500514	240124	Production	Accept	Pending	Johnson Okorare	-
100500514	240103	Production	Accept	Pending	Johnson Okorare	-

Key Takeaways

- 27 out of 31 welds meet the criteria of having completed visual inspection but no NDE review yet.
- All these welds have a CWI result of "Accept," indicating they passed visual inspection.
- The NDE Result for all is "Pending," meaning they are awaiting further non-destructive examination.
- Johnson Okorare is the most frequent CWI inspector in these cases, followed by Authority Ugbenin and Joe Woods.
- The majority of these welds fall under the "Production" category, with no CutOut or Repaired welds in this filtered set.

What are the Properties of PC0314?

Here are the full documented **Material Properties** for Heat Number **PC0314**:

 **Mechanical Properties**

Orientation: Longitudinal, Strip specimen (API 5L PSL2 X42 requirements)

Property	Actual Value	Unit	Requirement	Pass/Fail
Yield Strength	54.3	ksi	Min 42.1 / Max 71.8	 Pass
Tensile Strength	76.9	ksi	Min 70 / Max 95	 Pass
Yield/Tensile Ratio	0.71	—	≤ 0.93	 Pass
Elongation (2")	36.9	%	Min 30	 Pass
Reduction of Area	64.7	%	—	—
Hardness	80.3 avg	HRBW	≤ 250 HB	 Pass
Hydrostatic Test Pressure	3330	psi	5s hold	 Pass
Max Internal Yield Pressure	5002	psi	—	—
Flattening Test	Passed	—	Required	 Pass

 **Chemical Composition (% by weight)**

Element	Heat %	Product 1 %	Product 2 %	Limit (API 5L PSL2 X42)	Pass/Fail
C (Carbon)	0.21	0.20	0.21	≤ 0.26	
Mn (Manganese)	0.80	0.77	0.78	≤ 0.90	
P (Phosphorus)	0.008	0.007	0.008	≤ 0.025	
S (Sulfur)	0.006	0.004	0.005	≤ 0.015	
Si (Silicon)	0.23	0.23	0.23	≤ 0.50	
Cu (Copper)	0.14	0.15	0.15	≤ 0.50	

Nb (Niobium)	0.000	0.000	0.000	≤ 0.05	
V (Vanadium)	0.002	0.001	0.001	≤ 0.05	
Al (Aluminum)	0.036	0.036	0.036	—	—
Ca (Calcium)	0.0016	0.0014	0.0012	—	—
B (Boron)	0.0004	0.0001	0.0001	—	—
Ti (Titanium)	0.002	0.002	0.002	—	—
N (Nitrogen)	0.0078	0.0080	0.0091	—	—
C.E. (Carbon Eq.)	0.37	0.36	0.37	≤ 0.43	

 **Impact Testing (Charpy V-Notch at -10 °F)**

Location: Base material

Specimen	Size (In)	Energy (Ft-lb)	Lateral Expansion (Mils)	% Shear
1	.394 x .201	46	74	100
2	.394 x .201	48	67	100
3	.394 x .201	43	60	100

 **Additional Information**

- **Manufacturing:** Seamless, Normalized Rolled, Silicon-killed carbon steel (Al fine grain)
- **Certification:** DIN EN 10204-2004 Type 3.1, PED 2014/68/EU
- **Standards:** API 5L PSL2 X42, ASTM A106B/C, ASTM A53B, ASME SA106B/C/SA53B, NACE MR0175/ISO 15156:2015, MR0103/ISO 17945:2015
- **NDE:** 100% EMI (longitudinal & transverse), full visual OD & ends
- **No repair welding,** mercury-free

 **Compliance Summary:** All mechanical and chemical properties meet or exceed **API 5L PSL2 Grade X42** and supplementary ASTM/ASME/NACE requirements. Charpy impact results show excellent toughness at low temperature.

Do you want me to **produce a side-by-side compliance chart** comparing PC0314 to **ASTM A106 Grade B** requirements? That would verify multi-standard qualification.

Show me all the welds where the CRI not completed the inspection in work order 100500514

There is 1 weld in work order 100500514 where the CRI inspection has not been completed.

Work Order No.	Weld Serial Number	Category	CWI Result	NDE Result	CRI Result	CRI Name
100500514	240399	Production	Accept	Accept	Pending	-

Key Takeaways

- The single weld affected is a **Production** category weld.
- Both **CWI** and **NDE** inspections have been completed and passed.
- CRI inspection** remains pending with no inspector assigned.
- The weld has full material traceability and passed all other quality checks.
- This pending CRI step is the only outstanding inspection for the work order.

What are the mechanical properties of it?

It appears that there is **no MTR file data available** for Heat Number **240399**, so I cannot retrieve its mechanical properties from the database.

To proceed, I would need either:

- A valid heat number that exists in the MTR records, or
- A copy of the MTR document for Heat No. 240399 so I can extract its mechanical properties using OCR.

Do you have the MTR document for this weld's material?

Show me list of welds that are unlocked and pending edits

Can you provide the work order number for which you want to see welds that are unlocked and pending edits? This is required to retrieve the weld details.

Can you compare all those properties and analyze with the API 1104

I still could not retrieve any **MTR data** for heat number **100500514**, so I do not have the chemical composition, mechanical properties, or test results required to perform the **API 1104** compliance analysis.

To proceed, please provide **either**:

- The actual **MTR document** for the material
- A different **heat number** that matches a record in the database

Once I have that data, I can:

- Extract the full chemical composition
- List mechanical properties (tensile, yield, elongation, etc.)
- Compare against **API 1104** requirements
- Provide a pass/fail compliance report

Do you have the MTR document or another heat number so we can run the API 1104 analysis?

Can you compare all those properties and analyze with the API 1104

It appears that there is no MTR file data available for heat number **100500514**, so I'm unable to retrieve the chemical composition, mechanical properties, or test results for comparison and API 1104 compliance analysis.

To proceed, could you please provide:

- The correct **heat number** or **MTR document**
- Or confirm if there's another related heat number from the same work order

Once I have the MTR data, I can perform a complete comparison and determine compliance with **API 1104** welding standard requirements.

Can you compare all those properties and analyze with the API 1104

I still do not have any MTR file data available for heat number **100500514**, so I cannot extract the chemical composition, mechanical properties, or test results needed to compare and analyze compliance with **API 1104**.

To move forward, please provide:

- The correct **heat number** (if different from 100500514), **OR**
- The actual **MTR document** for the material you want checked

Once I have the MTR data, I can:

- Extract chemical composition (C, Mn, Si, P, S, etc.)
- Extract mechanical properties (tensile strength, yield strength, elongation, etc.)
- Compare against **API 1104** welding standard requirements
- Give a pass/fail compliance report

Do you have another heat number or the MTR file to use for this API 1104 analysis?

Show me welds that were tie-inweld in work order in 100500514

There are 17 tie-in welds in work order 100500514.

Work Order No.	Weld Serial Number	Category	CWI Result	NDE Result	CRI Result	Tie-In Weld
100500514	250886	Production	Accept	Accept	Accept	YES
100500514	250886	Production	Accept	Accept	Accept	YES
100500514	250879	Production	Accept	Accept	Accept	YES
100500514	250150	Production	Accept	Accept	Accept	YES
100500514	250150	Production	Accept	Accept	Accept	YES
100500514	250085	Production	Accept	Pending	Reject	YES
100500514	241130	Production	Accept	Accept	Reject	YES
100500514	240687	Production	Accept	Accept	Accept	YES
100500514	240686	Production	Accept	Accept	Accept	YES
100500514	240637	Production	Accept	Pending	-	YES
100500514	240627	Production	Accept	Accept	Accept	YES
100500514	240180	Production	Accept	Accept	Accept	YES
100500514	240178	Production	Accept	Accept	Accept	YES
100500514	240177	Production	Accept	Accept	Accept	YES
100500514	240158	Production	Accept	Reject	Reject	YES
100500514	240130	Production	Accept	Accept	Accept	YES
100500514	240077	Production	Accept	Accept	Accept	YES

Key Takeaways

- All 17 welds in work order 100500514 are classified as tie-in welds.
- The majority of welds have CWI and NDE results marked as "Accept," indicating strong compliance in visual and non-destructive inspections.
- Two welds have NDE results as "Pending," suggesting incomplete inspection processes.
- Three welds have CRI results marked as "Reject," which may require rework or further investigation.
- All welds are in the "Production" category, with no repairs or cutouts recorded.

can you do the samething for heat E3L098?

For **heat number E3L098**, I reviewed the extracted MTR document for that specific pipe.

Findings:

- The MTR for E3L098 contains **chemical composition** data, **mechanical properties** (tensile, bend, Charpy impact results), and certification information against **API 5L PSL2**.
- It does **not** include construction weld records such as:
 - Weld serial numbers
 - Work order numbers
 - CWI/NDE/CRI inspection results
 - Tie-in identifiers

Reason for difference:

Your earlier table for work order **100500514** came from weld tracking / inspection data, not from a pipe MTR. The E3L098 certificate is a **material test report** for the manufactured pipe only — installation weld logs are kept separately in construction records.

Conclusion:

There is **no tie-in weld listing** available directly in the MTR for E3L098. To produce a table in the same format as your first example, we would need weld tracking data that links to E3L098 from your installation QA/QC database.

If you'd like, I can:

1. Cross-match **E3L098** in your weld tracking system to extract all tie-in welds, OR
2. Provide a **full chemical, mechanical, and NDT property summary** of E3L098 from the MTR.

Which option would you like me to proceed with?

Show me welds that were prefab in work order in 100500514

There are 322 welds in the dataset, of which 322 in work order 100500514 are marked as prefab.

Work Order No.	Weld Serial Number	Category	CWI Result	NDE Result	CRI Result	Prefab
250911	Production	Accept	Pending	-	YES	
250910	Production	Accept	Accept	Accept	YES	
250908	Production	Accept	Accept	Accept	YES	
250907	Production	Accept	Accept	Accept	YES	
250906	Production	Accept	Accept	Accept	YES	
250896	Production	Accept	Accept	Accept	YES	
250895	Production	Accept	Accept	Accept	YES	
250892	Production	Accept	Accept	Accept	YES	
250890	Production	Accept	Accept	Accept	YES	
250888	Production	Accept	Accept	Accept	YES	

Key Takeaways:

- All welds in work order 100500514 flagged as prefab meet the "YES" criterion for Prefab.
- The majority of prefab welds have CWI results marked as "Accept," indicating strong compliance with inspection standards.
- NDE results are predominantly "Accept," with occasional "Pending" statuses, suggesting most prefab welds have passed non-destructive evaluation.

- CRI results are mostly "Accept," reinforcing overall quality assurance for prefab welds in this work order.

Give me the welds in the 100500514

Data Analysis error: Error code: 400 - {'error': {'message': 'This model's maximum context length is 128000 tokens. However, your messages resulted in 139509 tokens. Please reduce the length of the messages.'}, 'type': 'invalid_request_error', 'param': 'messages', 'code': 'context_length_exceeded'}}

Show me welds that were prefab in work order in 100500514

There are 322 prefab welds in work order 100500514.

Work Order No.	Weld Serial Number	Category	CWI Result	NDE Result	CRI Result	Prefab
100500514	250911	Production	Accept	Pending	-	YES
100500514	250910	Production	Accept	Accept	Accept	YES
100500514	250908	Production	Accept	Accept	Accept	YES
100500514	250907	Production	Accept	Accept	Accept	YES
100500514	250906	Production	Accept	Accept	Accept	YES
100500514	250896	Production	Accept	Accept	Accept	YES
100500514	250895	Production	Accept	Accept	Accept	YES
100500514	250892	Production	Accept	Accept	Accept	YES
100500514	250890	Production	Accept	Accept	Accept	YES
100500514	250888	Production	Accept	Accept	Accept	YES

Key Takeaways:

- All 322 welds in work order 100500514 are marked as prefab, indicating off-site fabrication before installation.
- The majority of prefab welds fall under the "Production" category, with consistent CWI acceptance results.
- NDE results are predominantly "Accept," though some welds remain pending inspection.
- CRI results are mostly "Accept," with occasional missing or pending entries.
- Prefab status suggests streamlined field installation and potentially reduced on-site welding time.

How many them are accepted by NDE

There are 314 prefab welds in work order 100500514 that are accepted by NDE.

Work Order No.	Weld Serial Number	Category	CWI Result	NDE Result	CRI Result	Prefab
100500514	250910	Production	Accept	Accept	Accept	YES
100500514	250908	Production	Accept	Accept	Accept	YES
100500514	250907	Production	Accept	Accept	Accept	YES
100500514	250906	Production	Accept	Accept	Accept	YES
100500514	250896	Production	Accept	Accept	Accept	YES
100500514	250895	Production	Accept	Accept	Accept	YES
100500514	250892	Production	Accept	Accept	Accept	YES
100500514	250890	Production	Accept	Accept	Accept	YES
100500514	250888	Production	Accept	Accept	Accept	YES
100500514	250883	Production	Accept	Accept	Accept	YES

Key Takeaways:

- Out of 322 prefab welds, 314 have passed NDE inspection, indicating a high acceptance rate of 97.5%.
- The accepted welds are predominantly in the "Production" category, showing strong quality control in fabrication.
- Consistent CWI and CRI acceptance alongside NDE acceptance suggests robust inspection processes across all stages.
- The small number of non-accepted or pending NDE results may represent recent welds awaiting inspection or minor quality issues.
- High NDE acceptance in prefab welds supports reduced rework and efficient installation timelines.

Show me welds where a gap was noted in work order 100500514

There are 357 welds with a gap noted in work order 100500514.

Work Order No.	Weld Serial Number	Category	CWI Result	NDE Result	CRI Result	Gap
100500514	250911	Production	Accept	Pending	-	YES
100500514	250910	Production	Accept	Accept	Accept	YES
100500514	250908	Production	Accept	Accept	Accept	YES
100500514	250907	Production	Accept	Accept	Accept	YES
100500514	250906	Production	Accept	Accept	Accept	YES
100500514	250895	Production	Accept	Accept	Accept	YES
100500514	250895	Production	Accept	Accept	Accept	YES
100500514	250892	Production	Accept	Accept	Accept	YES
100500514	250890	Production	Accept	Accept	Accept	YES
100500514	250888	Production	Accept	Accept	Accept	YES

Key Takeaways:

- All 357 welds in work order 100500514 have a gap noted, indicating this is a common occurrence in the project's welds.
- The majority of gap-noted welds are in the Production category, reflecting standard fabrication practices.
- Most gap-noted welds have passed NDE and CRI inspections, showing that gaps did not significantly impact quality acceptance.
- A small subset of gap-noted welds have pending NDE results, likely due to scheduling or recent completion.
- The consistent CWI acceptance across gap-noted welds suggests effective visual inspection and adherence to welding standards.

Can you also compare it with API 5L requirements as well?

To compare these welds with API 5L requirements, I'll need to know which specific criteria you want to check — for example, dimensional tolerances, gap allowances, inspection acceptance criteria, or mechanical test requirements. Could you clarify which aspects of API 5L you want to compare against?

can you also compare it with API 5L requirements as well?

Could you clarify which specific aspects of API 5L you want to compare against — for example, dimensional tolerances, gap allowances, inspection acceptance criteria, or mechanical test requirements?

can u also compare it with api 5L requirements as well?

Could you clarify which specific aspects you want compared with API 5L requirements — for example, dimensional tolerances, gap allowances, inspection acceptance criteria, or mechanical test requirements?

Could I ask, are there any welds that failed visual inspection and had a gap noted?

Could you provide the work order number so I can check for welds that failed visual inspection (CWIResult = Reject) and had a gap noted?

Could I ask, are there any welds that failed visual inspection and had a gap noted?

Could you provide the work order number so I can check for welds that failed visual inspection (CWIResult = Reject) and had a gap noted?

100500514

There are no welds in work order 100500514 that failed visual inspection and had a gap noted.

can you check the properties of 12438490472

I couldn't find any MTR file data for heat number **12438490472**.

It's possible that the document hasn't been uploaded or is recorded under a different heat number.

Would you like me to help you verify if there's an alternate identifier or check similar heat numbers?

Show me the weld numbers that are pending NDE completion

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API Router error: Error code: 400 - {'error': {'message': "The response was filtered due to the prompt triggering Azure OpenAI's content management policy. Please modify your prompt and retry. To learn more about our content filtering policies please read our documentation: https://go.microsoft.com/fwlink/?linkid=2198766", 'type': None, 'param': 'prompt', 'code': 'content_filter', 'status': 400, 'innererror': {'code': 'ResponsibleAIPolicyViolation', 'content_filter_result': {'hate': {'filtered': False, 'severity': 'safe'}, 'jailbreak': {'filtered': False, 'detected': False}, 'self_harm': {'filtered': True, 'severity': 'medium'}, 'sexual': {'filtered': False, 'severity': 'safe'}, 'violence': {'filtered': False, 'severity': 'safe'}}}}}}
```

Weld Agent: Workorder Api:

Give me the project assigned to show Pipeline services.

Could you clarify what you mean by 'project assigned to show Pipeline services'? Are you asking for work orders related to a specific contractor, engineer, or supervisor, or for projects with a certain description or type?

CWI Inspection

Could you clarify which contractor or inspector you're referring to for the CWI inspection? Are you asking for work orders where a specific contractor is performing the CWI inspection, or just all work orders with any CWI inspection?

Give me the Projects assigned to show Pipeline Services.

Are you asking about work orders where Shaw Pipeline Services is the main contractor, or where they're doing CWI inspections, NDE inspections, or CRI inspections?

Give me the Projects assigned to show Pipeline Services.

Are you asking about work orders where Shaw Pipeline Services is the main contractor, or where they're doing CWI inspections, NDE inspections, or CRI inspections?

Show me all the welds inspected by CWI Inspector

Can you provide the work order number for which you want to see all the welds inspected by the CWI inspector?

how many tickets are in the system?

There are 29 tickets in the system.

can you show mw ?

There are 29 tickets currently in the system.

Project No.	Work Order No.	Location	Region	Status
G-20-916	101083051	WP OPP - Bronx Street & Hamilton Ave	Westchester	In Progress
G-20-916	101083051 - Callahan	WP OPP - Bronx Street & Hamilton Ave	Westchester	In Progress
G-20-916	101083051 - TUML	WP OPP - Bronx Street & Hamilton Ave	Westchester	In Progress
G-21-918	100139423	GR-707, Nereid Ave bt Edson Ave and Barnes Ave	Bronx	In Progress
G-21-918	100139423P2	GR-707, Nereid Ave bt Edson Ave and Barnes Ave	Bronx	In Progress
G-22-901	100058704	140 W 5 St	Westchester	In Progress
G-22-901	100058704P2	140 W 5 St	Westchester	In Progress
G-22-901	100058704P3	140 W 5 St	Westchester	In Progress
G-22-902	100058866	904 Burke Ave	Bronx	In Progress
G-22-902	100058866 - Callahan	904 Burke Ave - K Tie	Bronx	In Progress
G-22-905	100145174	Yates Ave and Boston Rd	Bronx	In Progress
G-22-905	100145174 - QIAS	Boston Rd. and Yates Ave.	Bronx	In Progress

G-23-901	100500514	132nd St	Bronx	In Progress
G-23-901	100500514 - QIAS	132nd St	Bronx	In Progress
G-23-928	101351590	Bronxwood Ave and E 222nd St	Bronx	In Progress
G-24-901	100893186	12th St btw B'way & 37th St	Queens	In Progress
G-24-903	100931641	Between 154th Street and Utopia Pkwy, along 35th Ave.	Queens	In Progress
G-24-903	100931641 - Skytesting	Between 154th Street and Utopia Pkwy, along 35th Ave.	Queens	In Progress
G-24-903	100931641 - TechCorr	Between 154th Street and Utopia Pkwy, along 35th Ave.	Queens	In Progress
G-24-911	101096320	20th Ave between 35th St & 37th St	Queens	In Progress
G-24-911	101096320P2	38th St North of 20th Ave	Queens	In Progress
G-24-916	101086750	Package 4 (11TH ST BETWEEN 36TH AV & 38TH AV)	Queens	In Progress
G-24-916	101086750 ACCUWELD	Package 4 (11TH ST BETWEEN 36TH AV & 38TH	Queens	In Progress
G-25-913	101022546	California Rd & Rittenhouse Rd - Phase 6	Westchester	In Progress
G-25-913	101022546 - TUML	California Rd & Rittenhouse Rd - Phase 6	Westchester	In Progress

Key Takeaways

- All 29 tickets are currently marked as "In Progress," indicating no completed or closed work orders in the system.
- Bronx has the highest concentration of tickets, followed by Queens and Westchester.
- Several work orders have multiple entries with variations in contractor or phase, suggesting multi-phase or multi-contractor projects.
- Project numbers G-22-901, G-23-901, and G-24-903 have multiple related work orders, indicating complex or extended projects.
- The dataset spans creation dates from December 2023 to September 2025, showing ongoing and future scheduled work.

Show me all the welds inspected by NDE Inspector

Can you specify the work order number for which you want to see all welds inspected by the NDE Inspector? We need a specific work order number to retrieve weld-level details.

list all the projects in Bronx

There are 12 projects assigned in the Bronx region.

Project No.	Work Order No.	Location	Region	Status
G-21-918	100139423	GR-707, Nereid Ave bt Edson Ave and Barnes Ave	Bronx	In Progress
G-21-918	100139423P2	GR-707, Nereid Ave bt Edson Ave and Barnes Ave	Bronx	In Progress
G-22-902	100058866	904 Burke Ave	Bronx	In Progress
G-22-902	100058866 - Callahan	904 Burke Ave - K Tie	Bronx	In Progress
G-22-905	100145174	Yates Ave and Boston Rd	Bronx	In Progress
G-22-905	100145174 - QIAS	Boston Rd. and Yates Ave.	Bronx	In Progress
G-22-921	100888173	GR-719, Boston Rd & Secor Ave	Bronx	In Progress
G-23-901	100170592	135th St and Lincoln Ave.	Bronx	In Progress
G-23-901	100170592 - QIAS	135th St - X1 Replacement 36in	Bronx	In Progress
G-23-901	100500514	132nd St	Bronx	In Progress
G-23-901	100500514 - QIAS	132nd St	Bronx	In Progress
G-23-928	101351590	Bronxwood Ave and E 222nd St	Bronx	In Progress

Key Takeaways

- All 12 projects in the Bronx are currently marked as "In Progress," indicating active work across the region.
- Project numbers G-23-901 and G-22-902 each have multiple associated work orders, suggesting phased or segmented execution.
- Locations span a mix of street intersections and specific addresses, showing diverse project scopes from pipeline tie-ins to replacements.
- Contractors CAC and MFM dominate the Bronx projects, reflecting strong vendor presence in this region.
- Several work orders have suffixes like "-QIAS" or "-Callahan," which may denote specialized inspection or contractor assignments.

Show me all the welds inspected by CRI Inspector

Can you confirm which work order(s) from the Bronx projects you want to see the CRI-inspected welds for? For example, should I pull them for all 12 work orders listed, or just a specific one?

list all the workorders where the crew is a contractor

All 29 work orders have the crew listed as Contractor.

Project No.	Work Order No.	Location	Region	Status	Contractor Name
G-20-916	101083051	WP OPP - Bronx Street & Hamilton Ave	Westchester	In Progress	Bond
G-20-916	101083051 - Callahan	WP OPP - Bronx Street & Hamilton Ave	Westchester	In Progress	Bond
G-20-916	101083051 - TML	WP OPP - Bronx Street & Hamilton Ave	Westchester	In Progress	Bond
G-21-918	100139423	GR-707, Nereid Ave bt Edson Ave and Barnes Ave	Bronx	In Progress	CAC
G-21-918	100139423P2	GR-707, Nereid Ave bt Edson Ave and Barnes Ave	Bronx	In Progress	CAC
G-22-901	100058704	140 W 5 St	Westchester	In Progress	Bond
G-22-901	100058704P2	140 W 5 St	Westchester	In Progress	Bond
G-22-901	100058704P3	140 W 5 St	Westchester	In Progress	Bond
G-22-902	100058866	904 Burke Ave	Bronx	In Progress	MFM
G-22-902	100058866 - Callahan	904 Burke Ave - K Tie	Bronx	In Progress	MFM
G-22-905	100145174	Yates Ave and Boston Rd	Bronx	In Progress	CAC
G-22-905	100145174 - QIAS	Boston Rd. and Yates Ave.	Bronx	In Progress	CAC
G-22-916	QG21011633	14 St & 3D Dr.	Queens	In Progress	Network
G-22-921	100888173	GR-719, Boston Rd & Secor Ave	Bronx	In Progress	MFM
G-23-901	100170592	135th St and Lincoln Ave.	Bronx	In Progress	CAC
G-23-901	100500514	132nd St	Bronx	In Progress	CAC
G-23-901	100500514 - QIAS	132nd St	Bronx	In Progress	CAC

G-23-928	101351590	Bronxwood Ave and E 222nd St	Bronx	In Progress	MFM
G-24-901	100893186	12th St btw B'way & 37th St	Queens	In Progress	MFM
G-24-903	100931641	Between 154th Street and Utopia Pkwy, along 35th Ave.	Queens	In Progress	MFM
G-24-903	100931641 - Skytesting	Between 154th Street and Utopia Pkwy, along 35th Ave.	Queens	In Progress	MFM
G-24-903	100931641 - TechCorr	Between 154th Street and Utopia Pkwy, along 35th Ave.	Queens	In Progress	MFM
G-24-911	101095320	20th Ave between 35th St & 37th St	Queens	In Progress	Network
G-24-911	101096320P2	38th St North of 20th Ave	Queens	In Progress	Network
G-24-916	101086750	Package 4 (11TH ST BETWEEN 36TH AV & 38TH AV)	Queens	In Progress	Network
G-24-916	101086750 ACCUWELD	Package 4 (11TH ST BETWEEN 36TH AV & 38TH AV)	Queens	In Progress	Network
G-25-913	101022546	California Rd & Rittenhouse Rd - Phase 6	Westchester	In Progress	Danella
G-25-913	101022546 - TUML	California Rd & Rittenhouse Rd - Phase 6	Westchester	In Progress	Danella

Key Takeaways

- All 29 work orders in the provided records have the crew type set to Contractor.
- Contractor names vary, with Bond, CAC, MFM, Network, and Danella being the primary companies involved.
- Bronx and Queens regions have the highest concentration of contractor-led work orders.
- Multiple work orders share the same project number but differ in contractor CWI or CRI assignments, indicating phased or specialized work.
- Westchester region projects are exclusively handled by Bond and Danella contractors in this dataset.

who worked on WON 101022546

One work order 101022546 was handled by contractor Danella with CWI ETI, NDE Sky Testing, and CRI Shaw Pipeline Services, supported by Supervisor Devanand Mangroo, Engineers John Powers and William Dettmer, and Records Support Vanessa Petkova.

Project No.	Work Order No.	Location	Region	Status	Contractor Name	Contractor CWI	Contractor NDE	Contractor CRI
G-25-913	101022546	California Rd & Rittenhouse Rd - Phase 6	Westchester	In Progress	Danella	ETI	Sky Testing	Shaw Pipeline Services

Key Takeaways

- The work order is part of project G-25-913 in Westchester and is currently in progress.
- Danella is the primary contractor, with ETI handling CWI, Sky Testing performing NDE, and Shaw Pipeline Services managing CRI.
- The supervisory role is held by Devanand Mangroo, with engineering support from John Powers and William Dettmer.
- Records management is handled by Vanessa Petkova, indicating a well-defined team structure for this work order.

Region	Status	Contractor Name	Contractor CWI	Contractor NDE	Contractor CRI	Supervisor	Engineer	Records Support
Westchester	In Progress	Danella	ETI	Sky Testing	Shaw Pipeline Services	Devanand Mangroo	John Powers, William Dettmer	Vanessa Petkova

Who worked on G-22-902?

Two work orders under project G-22-902 in the Bronx were handled by contractor MFM with CWI by Sky Testing and Callahan, NDE by Team and Sky Testing, and CRI by TechCorr USA Management LLC, supported by Supervisor Iris Torres, Engineers Xavier Williams, Sergio Velez, Kelly Hsu, and William Dettmer, with Records Support from Maya Garde.

Project No.	Work Order No.	Location	Region	Status	Contractor Name	Contractor CWI	Contractor NDE	Contractor CRI
G-22-902	100058866	904 Burke Ave	Bronx	In Progress	MFM	Sky Testing	Team	TechCorr USA Management LLC
G-22-902	100058866 - Callahan	904 Burke Ave - K Tie	Bronx	In Progress	MFM	Callahan	Sky Testing	TechCorr USA Management LLC

Key Takeaways

- Both work orders are in the Bronx and currently in progress, indicating active field operations.
- MFM is the primary contractor for both, with variation in CWI providers (Sky Testing vs. Callahan) and NDE providers (Team vs. Sky Testing).
- TechCorr USA Management LLC consistently handles CRI across both work orders.
- Iris Torres serves as the sole supervisor for both, ensuring continuity in oversight.
- Engineering support is shared across work orders, with Kelly Hsu and William Dettmer involved in both, while Xavier Williams and Sergio Velez are assigned to separate work orders.
- Records management is consistently handled by Maya Garde, ensuring documentation continuity.

Status	Contractor Name	Contractor CWI	Contractor NDE	Contractor CRI	Supervisor	Engineer	Records Support
In Progress	MFM	Sky Testing	Team	TechCorr USA Management LLC	Iris Torres	Xavier Williams, Kelly Hsu, William Dettmer	Maya Garde
In Progress	MFM	Callahan	Sky Testing	TechCorr USA Management LLC	Iris Torres	Sergio Velez, Kelly Hsu, William Dettmer	Maya Garde

How many ticket are in westChester?

There are 8 tickets assigned in the Westchester region.

Project No.	Work Order No.	Location	Region	Status
G-20-916	101083051	WP OPP - Bronx Street & Hamilton Ave	Westchester	In Progress
G-20-916	101083051 - Callahan	WP OPP - Bronx Street & Hamilton Ave	Westchester	In Progress
G-20-916	101083051 - TUML	WP OPP - Bronx Street & Hamilton Ave	Westchester	In Progress
G-22-901	100058704	140 W 5 St	Westchester	In Progress
G-22-901	100058704P2	140 W 5 St	Westchester	In Progress
G-22-901	100058704P3	140 W 5 St	Westchester	In Progress
G-25-913	101022546	California Rd & Rittenhouse Rd - Phase 6	Westchester	In Progress
G-25-913	101022546 - TUML	California Rd & Rittenhouse Rd - Phase 6	Westchester	In Progress

Key Takeaways

- All 8 tickets in Westchester are currently marked as "In Progress," indicating active work across the region.
- Three different projects (G-20-916, G-22-901, G-25-913) contribute to the Westchester workload, showing a diverse project portfolio.
- The WP OPP - Bronx Street & Hamilton Ave location has the highest ticket count with three work orders under project G-20-916.
- The 140 W 5 St location under project G-22-901 has three separate work orders, suggesting phased or segmented work execution.
- California Rd & Rittenhouse Rd - Phase 6 under project G-25-913 has two work orders, one of which is a TUML variant, indicating specialized tasks.
- The consistent "In Progress" status across all tickets may require close monitoring to ensure timely completion and resource allocation.

Give me all the WR assigned to Devoti

There are 5 work orders where Matthew DeVoti is assigned as Manager.

Project No.	Work Order No.	Location	Region	Status	Manager
G-22-902	100058866 - Callahan	904 Burke Ave - K Tie	Bronx	In Progress	Matthew DeVoti
G-22-905	100145174 - QIAS	Boston Rd. and Yates Ave.	Bronx	In Progress	Matthew DeVoti
G-23-901	100170592 - QIAS	135th St - X1 Replacement 36in	Bronx	In Progress	Matthew DeVoti
G-23-901	100500514 - QIAS	132nd St	Bronx	In Progress	Matthew DeVoti
G-25-913	101022546 - TUML	California Rd & Rittenhouse Rd - Phase 6	Westchester	In Progress	Matthew DeVoti

Key Takeaways

- All 5 work orders assigned to Matthew DeVoti are currently in "In Progress" status.
- The majority of these work orders (4 out of 5) are located in the Bronx region, with only 1 in Westchester.
- Project numbers G-23-901 and G-22-905 appear multiple times, indicating ongoing multi-location or phased projects under his management.
- Contractor involvement varies, with CAC, MFM, and Danella being the primary contractors across these work orders.
- The time range of creation dates spans from June to July 2025, suggesting recent and active assignments.

What r assigned for Devanand Mangroo?

There are 15 work orders where Devanand Mangroo is assigned as a Supervisor.

Project No.	Work Order No.	Location	Region	Status	Supervisor
G-20-916	101083051	WP OPP - Bronx Street & Hamilton Ave	Westchester	In Progress	Devanand Mangroo
G-20-916	101083051 - Callahan	WP OPP - Bronx Street & Hamilton Ave	Westchester	In Progress	Devanand Mangroo
G-20-916	101083051 - TUML	WP OPP - Bronx Street & Hamilton Ave	Westchester	In Progress	Devanand Mangroo
G-21-918	100139423P2	GR-707, Nereid Ave bt Edson Ave and Barnes Ave	Bronx	In Progress	Devanand Mangroo
G-22-901	100058704	140 W 5 St	Westchester	In Progress	Devanand Mangroo
G-22-901	100058704P2	140 W 5 St	Westchester	In Progress	Devanand Mangroo
G-22-901	100058704P3	140 W 5 St	Westchester	In Progress	Devanand Mangroo
G-22-905	100145174	Yates Ave and Boston Rd	Bronx	In Progress	Devanand Mangroo
G-22-905	100145174 - QIAS	Boston Rd. and Yates Ave.	Bronx	In Progress	Devanand Mangroo
G-22-921	100888173	GR-719, Boston Rd & Secor Ave	Bronx	In Progress	Devanand Mangroo
G-23-901	100170592	135th St and Lincoln Ave.	Bronx	In	Devanand

G-22-905	100145174 - QIAS	Boston Rd. and Yates Ave.	Bronx	In Progress	Devanand Mangroo
G-22-921	100888173	GR-719, Boston Rd & Secor Ave	Bronx	In Progress	Devanand Mangroo
G-23-901	100170592	135th St and Lincoln Ave.	Bronx	In Progress	Devanand Mangroo
G-23-901	100170592 - QIAS	135th St - X1 Replacement 36in	Bronx	In Progress	Devanand Mangroo
G-23-901	100500514	132nd St	Bronx	In Progress	Devanand Mangroo
G-23-901	100500514 - QIAS	132nd St	Bronx	In Progress	Devanand Mangroo
G-23-928	101351590	Bronxwood Ave and E 222nd St	Bronx	In Progress	Devanand Mangroo
G-25-913	101022546	California Rd & Rittenhouse Rd - Phase 6	Westchester	In Progress	Devanand Mangroo
G-25-913	101022546 - TUML	California Rd & Rittenhouse Rd - Phase 6	Westchester	In Progress	Devanand Mangroo

Key Takeaways

- All 15 work orders involving Devanand Mangroo are currently in "In Progress" status.
- The majority of these work orders (10 out of 15) are located in the Bronx region, with the remaining 5 in Westchester.
- Several projects, such as G-20-916, G-22-901, G-23-901, and G-25-913, have multiple work orders, indicating phased or multi-location efforts.
- Devanand Mangroo often works alongside other supervisors like Iris Torres, James Clark, and Shiva Pyankarao.
- Contractor involvement spans Bond, CAC, MFM, and Danella, showing diverse project partnerships.
- The creation dates range from December 2023 to September 2025, reflecting both ongoing and recently initiated assignments.

what are all the tickets under william?

There are 20 tickets where William Dettmer is assigned as an engineer.

Project No.	Work Order No.	Location	Region	Status	Engineer
G-20-916	101083051	WP OPP - Bronx Street & Hamilton Ave	Westchester	In Progress	William Dettmer
G-20-916	101083051 - TUML	WP OPP - Bronx Street & Hamilton Ave	Westchester	In Progress	William Dettmer
G-21-918	100139423	GR-707, Nereid Ave bt Edson Ave and Barnes Ave	Bronx	In Progress	William Dettmer
G-21-918	100139423P2	GR-707, Nereid Ave bt Edson Ave and Barnes Ave	Bronx	In Progress	William Dettmer
G-22-901	100058704	140 W 5 St	Westchester	In Progress	William Dettmer
G-22-901	100058704P2	140 W 5 St	Westchester	In Progress	William Dettmer
G-22-901	100058704P3	140 W 5 St	Westchester	In Progress	William Dettmer
G-22-902	100058866	904 Burke Ave	Bronx	In Progress	William Dettmer
G-22-902	100058866 - Callahan	904 Burke Ave - K Tie	Bronx	In Progress	William Dettmer
G-22-905	100145174 - QIAS	Boston Rd. and Yates Ave.	Bronx	In Progress	William Dettmer
G-22-921	100888173	GR-719, Boston Rd & Secor Ave	Bronx	In Progress	William Dettmer

	G-23-901	100170592	135th St and Lincoln Ave.	Bronx	In Progress	William Dettmer
	G-23-901	100170592 - QIAS	135th St - X1 Replacement 36in	Bronx	In Progress	William Dettmer
	G-23-901	100500514	132nd St	Bronx	In Progress	William Dettmer
	G-23-901	100500514 - QIAS	132nd St	Bronx	In Progress	William Dettmer
	G-24-901	100893186	12th St btw B'way & 37th St	Queens	In Progress	William Dettmer
	G-24-903	100931641 - Skytesting	Between 154th Street and Utopia Pkwy, along 35th Ave.	Queens	In Progress	William Dettmer
	G-24-916	101086750	Package 4 (11TH ST BETWEEN 36TH AV & 38TH AV)	Queens	In Progress	William Dettmer
	G-24-916	101086750 ACCUWELD	Package 4 (11TH ST BETWEEN 36TH AV & 38TH)	Queens	In Progress	William Dettmer
	G-25-913	101022546	California Rd & Rittenhouse Rd - Phase 6	Westchester	In Progress	William Dettmer
	G-25-913	101022546 - TUML	California Rd & Rittenhouse Rd - Phase 6	Westchester	In Progress	William Dettmer

Key Takeaways

- William Dettmer is involved in 20 out of 21 total tickets, indicating a high workload concentration.
- The Bronx region has the highest number of William's tickets, followed by Westchester and Queens.
- All tickets under William are currently marked as "In Progress," suggesting no completed or closed work orders.
- William's assignments span multiple projects, with G-23-901 and G-22-901 having multiple related work orders.
- Several tickets are part of phased or variant work orders (e.g., TUML, QIAS, ACCUWELD), showing involvement in specialized or follow-up tasks.

who are all the engineers , supervisors worked with james

There are 12 tickets where James worked alongside the following engineers and supervisors.

Project No.	Work Order No.	Location	Region	Status	Engineer(S)	Supervisor(S)
G-20-916	101083051 - TUML	WP OPP - Bronx Street & Hamilton Ave	Westchester	In progress	John Powers, William Dettmer, Christopher McCollum	Devanand Mangroo, James Clark
G-22-901	100058704P3	140 W 5 St	Westchester	In progress	Kelly Hsu, William Dettmer	James Clark, Devanand Mangroo
G-22-916	QG21011633	14 St & 30 Dr.	Queens	In progress	Peter Cavazzini, Christopher McCollum	Wasar Amjad, James Hall
G-23-928	101351590	Bronwood Ave and E 22nd St	Bronx	In progress	Albert Lam	Devanand Mangroo, Shiva Pyankaroo, James Hall
G-24-901	100893186	12th St btw B'way & 37th St	Queens	In progress	Christopher McCollum, Peter Cavazzini, William Dettmer	Wasar Amjad, James Hall
G-24-903	100931641 - Skytesting	Between 154th Street and Utopia Pkwy, along 35th Ave.	Queens	In progress	Christopher McCollum, Peter Cavazzini, William Dettmer	Robert Golabek, James Hall, Joseph Massoni, Richard Parag
G-24-903	100931641 - TechCorr	Between 154th Street and Utopia Pkwy, along 35th Ave.	Queens	In progress	Peter Cavazzini, Christopher McCollum	Robert Golabek, James Hall, Joseph Massoni, Richard Parag
G-24-911	101096320	20th Ave between 35th St & 37th St	Queens	In progress	Peter Cavazzini, Christopher McCollum, Mohammad Nawaz	Wasar Amjad, James Hall, Joseph Massoni, Richard Parag
					Peter Cavazzini,	Wasar Amjad, James

G-24-903	100931641 - TechCorr	Between 154th Street and Utopia Pkwy, along 35th Ave.	Queens	In Progress	Peter Cavazzini, Christopher McCollum	Robert Golabek, James Hall, Joseph Massoni, Richard Parag
G-24-911	101096320	20th Ave between 35th St & 37th St	Queens	In Progress	Peter Cavazzini, Christopher McCollum, Mohammad Nawaz	Wasar Amjad, James Hall, Joseph Massoni, Richard Parag
G-24-911	101096320P2	38th St North of 20th Ave	Queens	In Progress	Peter Cavazzini, Christopher McCollum, Mohammad Nawaz	Wasar Amjad, James Hall, Joseph Massoni, Richard Parag
G-24-916	101086750	Package 4 (11TH ST BETWEEN 36TH AV & 38TH AV)	Queens	In Progress	Peter Cavazzini, William Dettmer	Wasar Amjad, James Hall, Joseph Massoni, Richard Parag
G-24-916	101086750 ACCUWELD	Package 4 (11TH ST BETWEEN 36TH AV & 38TH)	Queens	In Progress	Peter Cavazzini, Christopher McCollum, William Dettmer	Wasar Amjad, James Hall, Joseph Massoni, Richard Parag
G-25-913	101022546 - TUML	California Rd & Rittenhouse Rd - Phase 6	Westchester	In Progress	John Powers, William Dettmer	Devanand Mangroo, James Clark

Key Takeaways

- James appears in two distinct roles: James Clark and James Hall, each collaborating with different teams.
- William Dettmer worked with James on 6 of the 12 tickets, showing frequent collaboration.
- Peter Cavazzini and Christopher McCollum are the most common engineers working alongside James Hall.
- James Hall's projects are heavily concentrated in Queens, while James Clark's are in Westchester.
- Multi-supervisor assignments are common, especially in Queens projects, indicating complex oversight structures.
- Several tickets involve repeat engineer-supervisor combinations, suggesting stable team configurations across projects.

what is the designation of Berenica?

Could you clarify Berenica's role in the work order? Was Berenica the engineer, supervisor, or in another role?

i don't know give me workorder details where he worked on wrnumber

Could you provide the specific work order number (wrnumber) where Berenica worked? Without the work order number, I can't retrieve the details.

list all the workorders which are redig

All 66 work orders in the provided records are marked as redig.

Project No.	Work Order No.	Location	Region	Status
G-17-910	276548840001	St. Ann's Ave & E. 135th St.	Bronx	Open
G-17-910	276548850001	St. Ann's Ave & E. 135th St.	Bronx	Open
G-17-910	2765488700001	St. Ann's Ave & E. 135th St.	Bronx	Open
G-17-910	276548880001	St. Ann's Ave & E. 135th St.	Bronx	Open
G-19-901	100836085	Bruckner Blvd. and Leggett Ave, Bronx	Bronx	Open
G-19-901	100836117	Bruckner Blvd. and Leggett Ave, Bronx	Bronx	Open
G-19-901	27242424	Bruckner Blvd. and 156 Street. (Center Median)	Bronx	Open
G-19-901	27628288	Bruckner Blvd. and 156 Street. (Center Median)	Bronx	Open
G-19-901 Bruckner Blvd. FW-5BCS	100836103	Bruckner Blvd. and Leggett Ave, Bronx	Bronx	Open
G-19-901 Bruckner Blvd. FW-52CS	100836111	Bruckner Blvd. and Leggett Ave, Bronx	-	Open
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Key Takeaways

- All 66 records have the `IsRedig` flag set to "Yes", indicating they are all re-dig work orders.
- The Bronx region accounts for the majority of redig work orders, showing concentrated activity there.
- Multiple projects such as G-17-910, G-19-901, and G20-918 have several redig work orders, suggesting repeated excavation needs.
- Status for all redig work orders is "Open", indicating ongoing or pending work.
- Some records have missing region data, which may require data quality review for accurate geographic reporting.

give me all workorders which are still working

There are 29 work orders currently marked as "In Progress".

Project No.	Work Order No.	Location	Region	Status
G-20-916	101083051	WP OPP - Bronx Street & Hamilton Ave	Westchester	In Progress
G-20-916	101083051 - Callahan	WP OPP - Bronx Street & Hamilton Ave	Westchester	In Progress
G-20-916	101083051 - TUML	WP OPP - Bronx Street & Hamilton Ave	Westchester	In Progress
G-21-918	100139423	GR-707, Nerlid Ave bt Edson Ave and Barnes Ave	Bronx	In Progress
G-21-918	100139423P2	GR-707, Nerlid Ave bt Edson Ave and Barnes Ave	Bronx	In Progress
G-22-901	100058704	140 W 5 St	Westchester	In Progress
G-22-901	100058704P2	140 W 5 St	Westchester	In Progress
G-22-901	100058704P3	140 W 5 St	Westchester	In Progress
G-22-902	100058866	904 Burke Ave	Bronx	In Progress
G-22-902	100058866 - Callahan	904 Burke Ave - K Tie	Bronx	In Progress
G-22-905	100145174	Yates Ave and Boston Rd	Bronx	In Progress
G-22-905	100145174 - QIAS	Boston Rd. and Yates Ave.	Bronx	In Progress
G-22-916	QG21011633	14 St & 30 Dr.	Queens	In Progress
G-22-921	100888173	GR-719, Boston Rd & Secor Ave	Bronx	In Progress
G-23-901	100170592	135th St and Lincoln Ave.	Bronx	In Progress
G-23-901	100170592 - QIAS	135th St - X1 Replacement 36in	Bronx	In Progress
G-23-901	100500514	132nd St	Bronx	In Progress
G-23-901	100500514 - QIAS	132nd St	Bronx	In Progress

G-23-901	100500514	132nd St	Bronx	In Progress
G-23-901	100500514 - Q1AS	132nd St	Bronx	In Progress
G-23-928	101351590	Bronwood Ave and E 222nd St	Bronx	In Progress
G-24-901	100893186	12th St btw B way & 37th St	Queens	In Progress
G-24-903	100931641	Between 154th Street and Utopia Pkwy, along 35th Ave.	Queens	In Progress
G-24-903	100931641 - Skyseizing	Between 154th Street and Utopia Pkwy, along 35th Ave.	Queens	In Progress
G-24-903	100931641 - TechCorr	Between 154th Street and Utopia Pkwy, along 35th Ave.	Queens	In Progress
G-24-911	101096320	20th Ave between 35th St & 37th St	Queens	In Progress
G-24-911	101096320P2	38th St North of 20th Ave	Queens	In Progress
G-24-916	101086750	Package 4 (11TH ST BETWEEN 36TH AV & 38TH AV)	Queens	In Progress
G-24-916	101086750 ACCUWELD	Package 4 (11TH ST BETWEEN 36TH AV & 38TH)	Queens	In Progress
G-25-913	101022546	California Rd & Rittenhouse Rd - Phase 6	Westchester	In Progress
G-25-913	101022546 - TUML	California Rd & Rittenhouse Rd - Phase 6	Westchester	In Progress

Key Takeaways

- 29 work orders are currently in progress, indicating active field operations across multiple regions.
- The Bronx has the highest concentration of ongoing work, followed by Queens and Westchester.
- Several projects have multiple work orders in progress, suggesting phased or segmented execution strategies.
- Contractor diversity is evident, with Bond, CAC, MFM, Network, and Danelia all engaged in active work.
- Many work orders share the same location but differ in contractor or phase, indicating parallel or sequential tasks.

Type your question...

Send

give me the tickets where james and waqr both worked?

There are 6 tickets where both James Hall and Waqr Amjad worked together.

Project No.	Work Order No.	Location	Region	Status	Supervisor
G-22-916	QG21011633	14 St & 30 Dr.	Queens	In Progress	Waqr Amjad, James Hall
G-24-901	100893186	12th St btw B way & 37th St	Queens	In Progress	Waqr Amjad, James Hall
G-24-911	101096320	20th Ave between 35th St & 37th St	Queens	In Progress	Waqr Amjad, James Hall, Joseph Massoni, Richard Perag
G-24-911	101096320P2	38th St North of 20th Ave	Queens	In Progress	Waqr Amjad, James Hall, Joseph Massoni, Richard Perag
G-24-916	101086750	Package 4 (11TH ST BETWEEN 36TH AV & 38TH AV)	Queens	In Progress	Waqr Amjad, James Hall, Joseph Massoni, Richard Perag
G-24-916	101086750 ACCUWELD	Package 4 (11TH ST BETWEEN 36TH AV & 38TH)	Queens	In Progress	Waqr Amjad, James Hall, Joseph Massoni, Richard Perag

Key Takeaways

- All 6 tickets are in the Queens region, indicating concentrated collaboration between James Hall and Waqr Amjad in this area.
- The majority of these tickets involve multi-supervisor teams, suggesting complex or large-scale projects.
- Network is the primary contractor for most of these work orders, with MFM appearing once.
- Several tickets belong to the same project but different phases or contractor assignments, showing segmented execution.
- The collaboration spans from mid-2024 to early 2025, indicating sustained joint involvement over time.

Show me welds that were prefab in work order in 100500514

There are 322 prefab welds in work order 100500514.

Work Order No.	Weld Serial Number	Category	CWI Result	NDE Result	CRI Result	Prefab
100500514	250911	Production	Accept	Pending	-	YES
100500514	250910	Production	Accept	Accept	Accept	YES
100500514	250908	Production	Accept	Accept	Accept	YES
100500514	250907	Production	Accept	Accept	Accept	YES
100500514	250906	Production	Accept	Accept	Accept	YES
100500514	250890	Production	Accept	Accept	Accept	YES
100500514	250895	Production	Accept	Accept	Accept	YES
100500514	250892	Production	Accept	Accept	Accept	YES
100500514	250890	Production	Accept	Accept	Accept	YES
100500514	250888	Production	Accept	Accept	Accept	YES

Key Takeaways

- All 322 welds in this work order are prefab, indicating off-site fabrication before installation.
- The majority of prefab welds are in the Production category, showing they are part of planned construction rather than repairs or cutouts.
- CWI inspection results are overwhelmingly "Accept," reflecting strong quality compliance in prefab work.
- NDE results are mostly "Accept" or "Pending," suggesting ongoing or completed non-destructive testing.
- CRI results are predominantly "Accept," with very few rejections, highlighting high workmanship standards.
- Prefab welds span a variety of material combinations, from pipes to elbows, reducers, and valves, showing diverse fabrication scope.

give me all the projects assigned to bond

Are you asking about work orders where Bond is the main contractor, or where they're doing CWI inspections, NDE inspections, or CRI inspections?

main

There are 6 projects where Bond is the main contractor.

Project No.	Work Order No.	Location	Region	Status	Contractor Name
G-20-916	101083051	WP OPP - Bronx Street & Hamilton Ave	Westchester	In Progress	Bond
G-20-916	101083051 - Callahan	WP OPP - Bronx Street & Hamilton Ave	Westchester	In Progress	Bond
G-20-916	101083051 - TUML	WP OPP - Bronx Street & Hamilton Ave	Westchester	In Progress	Bond
G-22-901	100058704	140 W 5 St	Westchester	In Progress	Bond
G-22-901	100058704P2	140 W 5 St	Westchester	In Progress	Bond
G-22-901	100058704P3	140 W 5 St	Westchester	In Progress	Bond

Key Takeaways

- All 6 projects with Bond as the main contractor are currently marked "In Progress".
- The projects are split between two project numbers: G-20-916 and G-22-901.
- All work is located in the Westchester region, indicating a concentrated geographic focus.
- The G-20-916 projects are all at the WP OPP - Bronx Street & Hamilton Ave location.
- The G-22-901 projects are all at 140 W 5 St, showing location-based grouping.
- Multiple work orders exist under the same project number, suggesting phased or segmented execution.

Show me all the welds where visual is completed but not reviewed by NDE in work order 100500514

There are 27 welds in work order 100500514 where visual inspection (CWI) is completed with an "Accept" result but NDE review is still pending.

Work Order No.	Weld Serial Number	Category	CWI Result	NDE Result	CWI Name	NDE Name
100500514	250911	Production	Accept	Pending	Joe Woods	-
100500514	250885	Production	Accept	Pending	Joe Woods	-
100500514	250398	Production	Accept	Pending	Authority Ugbenin	-
100500514	250284	Production	Accept	Pending	Authority Ugbenin	-
100500514	250276	Production	Accept	Pending	Authority Ugbenin	-
100500514	250210	Production	Accept	Pending	Authority Ugbenin	-
100500514	250184	Production	Accept	Pending	Authority Ugbenin	-
100500514	250180	Production	Accept	Pending	Authority Ugbenin	-
100500514	250179	Production	Accept	Pending	Authority Ugbenin	-
100500514	250162	Production	Accept	Pending	Authority Ugbenin	-
100500514	250027	Production	Accept	Pending	Joe Woods	-
100500514	240750	Production	Accept	Pending	Johnson Okorare	-
100500514	240747	Production	Accept	Pending	Johnson Okorare	-
100500514	240680	Production	Accept	Pending	Johnson Okorare	-
100500514	240679	Production	Accept	Pending	Johnson Okorare	-
100500514	240676	Production	Accept	Pending	Johnson Okorare	-
100500514	240637	Production	Accept	Pending	Johnson Okorare	-
100500514	240632	Production	Accept	Pending	Johnson Okorare	-
100500514	240405	Production	Accept	Pending	Johnson Okorare	-
100500514	240319	Production	Accept	Pending	Johnson Okorare	-
100500514	240189	Production	Accept	Pending	Johnson Okorare	-
100500514	240127	Production	Accept	Pending	Johnson Okorare	-
100500514	240124	Production	Accept	Pending	Johnson Okorare	-
100500514	240103	Production	Accept	Pending	Johnson Okorare	-

Key Takeaways

- 27 out of 31 welds meet the criteria of having completed visual inspection with "Accept" but no NDE review yet.
- All these welds are in the "Production" category, indicating they are part of active fabrication or installation work.
- The majority of visual inspections were performed by Johnson Okorare, followed by Authority Ugbenin and Joe Woods.
- The absence of NDE review suggests a potential backlog in non-destructive testing processes.
- This gap between visual acceptance and NDE review could delay final quality clearance and project progression.

what if he is and NDE

There are no welds in work order 100500514 where the specified person is the NDE inspector.

what are all the wos assigned to sky testing

Are you asking about work orders where Sky Testing is the main contractor, or where they're doing CWI inspections, NDE inspections, or CRI inspections?

CWI

There are 8 work orders where Sky Testing is assigned as the CWI contractor.

Project No.	Work Order No.	Location	Region	Status	Contractor CWI Name
G-22-901	100058704	140 W 5 St	Westchester	In Progress	Sky Testing
G-22-902	100058866	904 Burke Ave	Bronx	In Progress	Sky Testing
G-22-921	100888173	GR-719, Boston Rd & Secor Ave	Bronx	In Progress	Sky Testing
G-24-901	100893186	12th St btwn Bway & 37th St	Queens	In Progress	Sky Testing
G-24-903	100931641 - Skytesting	Between 154th Street and Utopia Pkwy, along 35th Ave.	Queens	In Progress	Sky Testing
G-24-911	101096320	20th Ave between 35th St & 37th St	Queens	In Progress	Sky Testing

G-24-911	101096320	20th Ave between 35th St & 37th St	Queens	In Progress	Sky Testing
G-24-911	101096320P2	38th St North of 20th Ave	Queens	In Progress	Sky Testing
G-24-916	101086750	Package 4 (11TH ST BETWEEN 36TH AV & 38TH AV)	Queens	In Progress	Sky Testing

Key Takeaways

- All 8 work orders with Sky Testing as CWI are currently marked "In Progress".
- Queens has the highest concentration, with 5 out of 8 work orders.
- Bronx accounts for 2 work orders, and Westchester has 1.
- Multiple contractors (Bond, MFM, Network) are involved, but Sky Testing is consistently the CWI provider.
- Several projects share the same project number, indicating multi-location or phased work under a single project.

Show me list of welds that are unlocked and pending edits

There are no welds that are unlocked and pending edits.

how many are assigned to sky testing as NDE

There are 15 work orders assigned to Sky Testing as NDE.

Project No.	Work Order No.	Location	Region	Status	Contractor NDE Name
G-20-916	101083051	WP OPP - Bronx Street & Hamilton Ave	Westchester	In Progress	Sky Testing
G-20-916	101083051 - Callahan	WP OPP - Bronx Street & Hamilton Ave	Westchester	In Progress	Sky Testing
G-20-916	101083051 - TUML	WP OPP - Bronx Street & Hamilton Ave	Westchester	In Progress	Sky Testing
G-22-901	100058704P3	140 W 5 St	Westchester	In Progress	Sky Testing
G-22-902	100058866 - Callahan	904 Burke Ave - K Tie	Bronx	In Progress	Sky Testing
G-22-905	100145174	Yates Ave and Boston Rd	Bronx	In Progress	Sky Testing
G-22-905	100145174 - QIAS	Boston Rd. and Yates Ave.	Bronx	In Progress	Sky Testing
G-22-916	QG21011633	14 St & 30 Dr.	Queens	In Progress	Sky Testing
G-23-901	100170592	138th St and Lincoln Ave.	Bronx	In Progress	Sky Testing
G-23-901	100170592 - QIAS	138th St - X1 Replacement 36in	Bronx	In Progress	Sky Testing
G-23-901	100500514	132nd St	Bronx	In Progress	Sky Testing
G-23-901	100500514 - QIAS	132nd St	Bronx	In Progress	Sky Testing

Project No.	Work Order No.	Location	Region	Status	Contractor
G-22-905	100145174 - QJAS	Boston Kd. and Yates Ave.	Bronx	In Progress	Sky Testing
G-22-916	QG21011633	14 St & 30 Dr.	Queens	In Progress	Sky Testing
G-23-901	100170592	135th St and Lincoln Ave.	Bronx	In Progress	Sky Testing
G-23-901	100170592 - QIAS	135th St - X1 Replacement 36in	Bronx	In Progress	Sky Testing
G-23-901	100500514	132nd St	Bronx	In Progress	Sky Testing
G-23-901	100500514 - QIAS	132nd St	Bronx	In Progress	Sky Testing
G-23-928	101351590	Bronwood Ave and E 22nd St	Bronx	In Progress	Sky Testing
G-25-913	101022546	California Rd & Rittenhouse Rd - Phase 6	Westchester	In Progress	Sky Testing
G-25-913	101022546 - TUML	California Rd & Rittenhouse Rd - Phase 6	Westchester	In Progress	Sky Testing

Key Takeaways

- All 15 work orders in the dataset have Sky Testing assigned as the NDE contractor.
- The Bronx region has the highest concentration, with 8 of the 15 work orders.
- Westchester accounts for 6 work orders, while Queens has only 1.
- All work orders are currently marked as "In Progress," indicating active projects.
- Multiple contractors (Bond, CAC, MFM, Danella, Network) utilize Sky Testing for NDE services across different projects.

how many are assigned to shaw pipeline?

Are you asking about work orders where Shaw Pipeline Services is the main contractor, or where they're doing CWI inspections, NDE inspections, or CRI inspections?

CRI inspection

There are 7 work orders where Shaw Pipeline Services is assigned for CRI inspection.

Project No.	Work Order No.	Location	Region	Status	Contractor CRI Name
G-20-916	101083051	WP OPP - Bronx Street & Hamilton Ave	Westchester	In Progress	Shaw Pipeline Services
G-20-916	101083051 - Callahan	WP OPP - Bronx Street & Hamilton Ave	Westchester	In Progress	Shaw Pipeline Services
G-20-916	101083051 - TUML	WP OPP - Bronx Street & Hamilton Ave	Westchester	In Progress	Shaw Pipeline Services
G-22-901	100058704	140 W 5 St	Westchester	In Progress	Shaw Pipeline Services
G-22-901	100058704P3	140 W 5 St	Westchester	In Progress	Shaw Pipeline Services
G-25-913	101022546	California Rd & Rittenhouse Rd - Phase 6	Westchester	In Progress	Shaw Pipeline Services
G-25-913	101022546 - TUML	California Rd & Rittenhouse Rd - Phase 6	Westchester	In Progress	Shaw Pipeline Services

Key Takeaways

- Key Takeaways
- All 7 work orders with Shaw Pipeline Services as CRI inspector are currently marked "In Progress".
 - Every work order is located in the Westchester region, indicating a concentrated operational footprint.
 - The CRI assignments span three distinct projects: G-20-916, G-22-901, and G-25-913.
 - Multiple work orders share the same base project number but differ by suffixes (e.g., Callahan, TUML), suggesting phased or specialized sub-tasks.
 - Contractor CRI assignments to Shaw Pipeline Services appear consistent across different main contractors (Bond and Danella).
 - The work orders cover a time range from mid-2024 to late 2025, showing ongoing and future scheduled inspections.
 - The recurrence of Shaw Pipeline Services across all CRI inspection records suggests they are the preferred or sole CRI provider for these projects.

Show me all the welds where visual inspection is not completed in work order 100500514

There are 2 welds in work order 100500514 where visual inspection (CWI) is not completed.

Work Order No.	Weld Serial Number	Category	CWI Result	NDE Result	CRI Result
100500514	250026	Production	Pending	-	-
100500514	250020	Production	Pending	-	-

Key Takeaways

- Both welds are in the "Production" category, indicating they are part of the main pipeline fabrication rather than repairs or tie-ins.
- The CWI (Certified Welding Inspector) result is "Pending" for both, meaning visual inspection has not yet been completed.
- No NDE (Non-Destructive Examination) or CRI (Contractor Responsible Inspection) results are recorded, suggesting subsequent inspection stages have not started.
- The absence of welder names and rod class details indicates welding activity may still be in progress or documentation is incomplete.
- Both welds share the same heat numbers, pointing to consistent material sourcing for this work order.

give me the workorders assigned to CAC and are in Bronx

I need to clarify which CAC role you're looking for. Are you asking about work orders where CAC is the main contractor, or where they're doing CWI inspections, NDE inspections, or CRI inspections?

main contractor

There are 8 work orders in the Bronx region where CAC is the main contractor.

Project No.	Work Order No.	Location	Region	Status	Contractor Name
G-21-918	100139423	GR-707, Nereid Ave bt Edson Ave and Barnes Ave	Bronx	In Progress	CAC
G-21-918	100139423P2	GR-707, Nereid Ave bt Edson Ave and Barnes Ave	Bronx	In Progress	CAC
G-22-905	100145174	Yates Ave and Boston Rd	Bronx	In Progress	CAC
G-22-905	100145174 - QIAS	Boston Rd. and Yates Ave.	Bronx	In Progress	CAC
G-23-901	100170592	135th St and Lincoln Ave.	Bronx	In Progress	CAC
G-23-901	100170592 - QIAS	135th St - X1 Replacement 36in	Bronx	In Progress	CAC
G-23-901	100500514	132nd St	Bronx	In Progress	CAC
G-23-901	100500514 - QIAS	132nd St	Bronx	In Progress	CAC

Key Takeaways

- All 8 work orders are located in the Bronx and have CAC as the main contractor.
- Every work order is currently marked as "In Progress," indicating active projects.
- Projects span across three project numbers: G-21-918, G-22-905, and G-23-901.
- Several work orders have paired entries with "- QIAS" suffix, suggesting inspection or quality assurance phases.
- Locations include major streets and intersections, indicating infrastructure-related work.
- CAC is consistently engaged across multiple sites, showing strong contractor presence in the Bronx.
- The dataset covers work orders created between December 2023 and July 2025, showing ongoing multi-year activity.
- Multiple entries for the same project number suggest phased or segmented work execution.

list me the workorders assigned to william and ooga technologies?

I need to clarify the roles. For 'William', are you referring to an employee (e.g., engineer, supervisor, etc.)? And for 'Ooga Technologies', are you asking about work orders where they are the main contractor, or where they're doing CWI inspections, NDE inspections, or CRI inspections?

i'm not sure of williams role ooga is a peer reviewr

Thanks for clarifying Ooga Technologies is a peer reviewer. For William, since you're not sure of his role, should I search for work orders where William is listed as any employee associated with the work order?

i'm not sure of Williams role, ooga is a peer reviewer

There are 3 work orders where William Dettmer is listed as an engineer and Ooga Technologies is the peer reviewer.

Project No.	Work Order No.	Location	Region	Status	Engineer	Peer Reviewer
G-21-918	100139423	GR-707, Nereid Ave bt Edson Ave and Barnes Ave	Bronx	In Progress	William Dettmer	Ooga Technologies
G-21-918	100139423P2	GR-707, Nereid Ave bt Edson Ave and Barnes Ave	Bronx	In Progress	William Dettmer	Ooga Technologies
G-24-903	100931641 - Skystesting	Between 154th Street and Utopia Pkwy, along 35th Ave.	Queens	In Progress	William Dettmer	Ooga Technologies

Key Takeaways

- William Dettmer appears in all 3 work orders as an engineer.
- Ooga Technologies is consistently assigned as the peer reviewer (ContractorCRIName) in all records.
- Two of the work orders are part of the same project (G-21-918) in the Bronx, indicating repeated

list me all teh tickets avai in Edson AVE and Barnes ave

There are 2 tickets available in Edson Ave and Barnes Ave.

Project No.	Work Order No.	Location	Region	Status
G-21-918	100139423	GR-707, Nereid Ave bt Edson Ave and Barnes Ave	Bronx	In Progress
G-21-918	100139423P2	GR-707, Nereid Ave bt Edson Ave and Barnes Ave	Bronx	In Progress

Key Takeaways

- Both tickets belong to the same project (G-21-918) in the Bronx.
- The location description is identical for both, indicating they are likely related phases or parts of the same work scope.
- Both tickets are currently marked as "In Progress," showing active work in the Edson Ave and Barnes Ave area.
- The presence of multiple tickets for the same location suggests ongoing or extended project activity in that corridor.

Could ask, are there any welds that failed visual inspection and had a gap noted?

There are no welds that failed visual inspection and had a gap noted.

list all the workorders from last 20 days

There is 1 work order created in the last 20 days.

Project No.	Work Order No.	Location	Region	Status
G-21-918	100139423	GR-707, Nerlid Ave bt Edson Ave and Barnes Ave	Bronx	In Progress

Key Takeaways

- Only one work order was initiated in the last 20 days, indicating low recent activity.
- The work order is located in the Bronx region, suggesting current operational focus there.
- The status "In Progress" shows the work is ongoing and not yet completed.
- The project is tied to Project No. G-21-918, which may be a specific infrastructure or maintenance initiative.

list all of them which are year from now

There are no work orders created within the last year.

list all the workorders which are from past one year

There are no work orders from the past one year.

list all workorders created on 21st of june 2k24

There is 1 work order created on 21st June 2024.

Project No.	Work Order No.	Location	Region	Status	Contractor Name	Supervisor	Engineer
G-20-916	101083051	WP OPP - Bronx Street & Hamilton Ave	Westchester	In Progress	Bond	Devanand Mangroo	John Powers, William Dettmer

Key Takeaways

- Only one work order was created on 21st June 2024, indicating low activity for that specific date.
- The work order is currently in "In Progress" status, suggesting ongoing execution.
- The project is located in the Westchester region, specifically at Bronx Street & Hamilton Ave.
- Contractor "Bond" is responsible for the work, with ETI, Sky Testing, and Shaw Pipeline Services as specialized subcontractors.
- Two engineers, John Powers and William Dettmer, are assigned, indicating a collaborative engineering effort.
- The presence of a named supervisor (Devanand Mangroo) ensures direct oversight of the work.

give me all workorders which are still in open

There are no work orders that are still in open status.

ok now check for all the completed ones

There are no work orders with a status of "Completed."

ok now check for all the completed ones

There are no work orders with a status of "Completed."