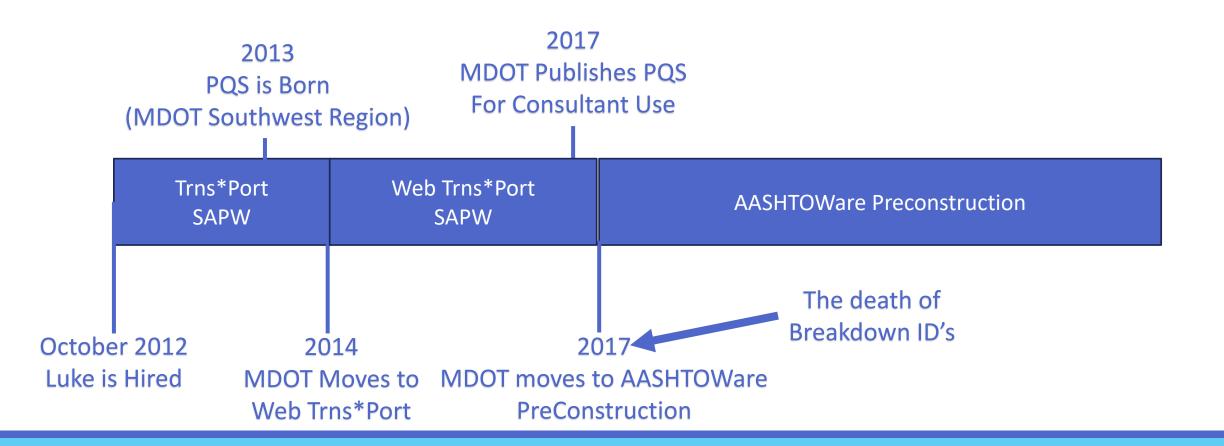
## MDOT Project Quantity Spreadsheet

06-11-2024





## 2012 Problems



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20	385+00	15		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		
21	397+00	16	8281	151.8	9464	216.9		0.0	31941	585.6		0.0	17745	216.9	40222	184.4		0.0		0.0		
22	409+00	17	8400	154.0	9600	220.0		0.0	32400	594.0		0.0	18000	220.0	40800	187.0		0.0		0.0		
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24	433+00	19	8400	154.0	9600	220.0	7105	0.0	32400	594.0	10000.0	0.0	18000	220.0	40800	187.0		0.0		0.0		+
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28	481+00	23	23957	439.2	13152	301.4		0.0	32400	594.0		0.0	33557	410.1	52737	241.7		0.0	912	32.0		t
29	493+00	20	6733	123.4	5440	124.7	14940	867.4	18360	336.6	17280.0	1003.2	74287	908.0	19992		6450	78.8	1507	53.0	1606	j T
30	505+00	25	9833	180.3	14950	342.6	9663	561.0	29700	544.5	5940.0	344.9	21186	258.9	29333			0.0		0.0		f
31	517+00	26	7846	143.8	9600	220.0		0.0	32400	594.0		0.0	17446	213.2	40246	184.5		0.0	1058	37.2		T
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### 2012 Problems

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553+30	19	And in case	203.3	Het	181	260	161		677	TROP 1	NO R	1000	1915		201.0					

			DRIVEWAY TAE	BLE			Aggregate Base, 6 Inch	HMA Approach
ALIGNMENT	STATION	BACK OFFSET FROM CL	PROP DRIVEWAY SLOPE	PROP DRIVEWAY WIDTH	RADIUS ENTERING	RADIUS EXITING		
		Ft	%	Ft	Ft	Ft	Syd	Ton
M-139	14+45 RT	63.0	0.0%	8.0	10.0	10.0	69	16
M-139	15+50 LT	32.0	5.4%	13.0	10.0	10.0	28	7
	97	23						

QUANTITIES THIS SHEET



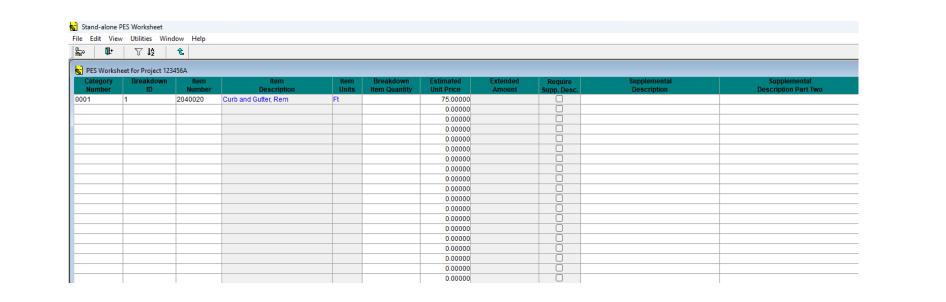
- 3310 Cyd Embankment, CP
- 100 Ft Erosion Control, Check Dam, Stone 9 Ea
- Erosion Control, Inlet Protection, Fabric Drop
- Ea Erosion Control, Inlet Protection, Sediment Trap
- 5 Cvd Erosion Control, Sediment Basin
- 9 Ea Eroson Control, Sedment Trap
- 930 Ft Erosion Control, Silt Fence
- 795 Ft Straw Wattle
- 2016 Cyd Subbase, CP
- 1866 Syd Aggregate Base, 6 inch
- 1558 Syd Aggregate Base, 9 nch
- 114 Syd Shld, CI II, 6 inch
- 5 Ea Dr Marker Post
- 1 Ea Dr Structure Cover, Adj, Case 2
- 1400 Ft Underdrain, Subbase, 6 inch
- 80 Ft Underdrain Outlet, 6 Inch
- 2 Ea Underdrain, Outlet Ending, 6 inch
- 314 Ton HMA, 3EML
- 698 Ton HMA, 4EML
- 838 Ft Curb and Gutter, Conc, Det D2
- 2 Ea Delineator Reflector, Green 2 Ea Post, Rigid, Delineator
- 85 Syd Riprap, Plain
- 4 Ea Quercus alba, 2 nch
- 2910 Syd Slope Restoration, Non-Freeway, Type E
- 1 Ea Hydrant, Relocate, Case 1

### 2012 Problems



			Aggregate Base, 6 Inch	HMA Approach				
ALIGNMENT	STATION	BACK OFFSET FROM CL	PROP DRIVEWAY SLOPE	PROP DRIVEWAY WIDTH	RADIUS	RADIUS	1	
		FL	5	FL	FL	R	Svd	Ton
M-139	14+45 RT	63.0	0.0%	8.0	10.0	10.0	69	16
M-139	15+50 LT	32.0	5.4%	13.0	10.0	10.0	28	7
		T	OTAL (JN 208843 - 0	(AT 0001)			97	23

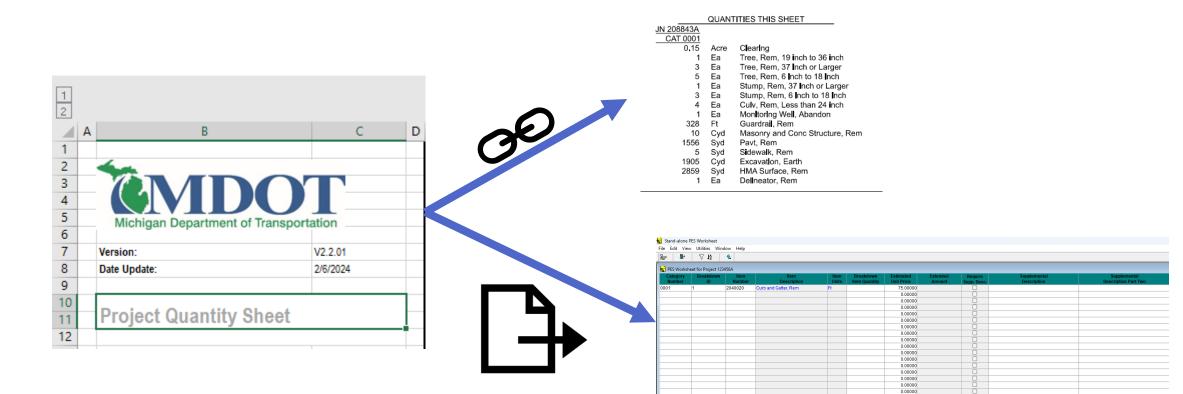




## But they were all of them deceived

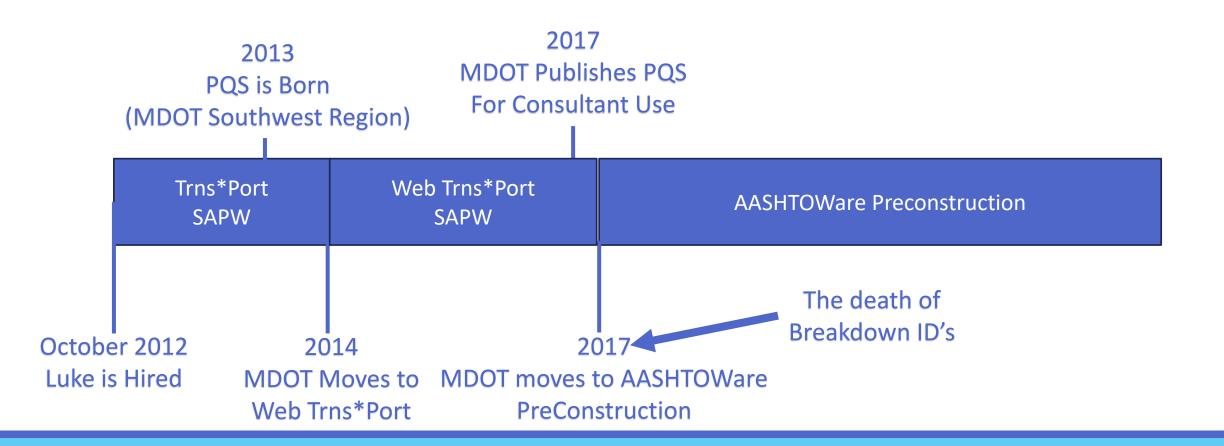
#### QUANTITIES THIS SHEET JN 208843A CAT 0001 3310 Cyd Embankment, CIP Earthwork Quantities Embankment, CIP Item Breakdown Estimated Item Description Units Item Quantity Unit Price Con 001 3130 Embankment, CIP Cyd 10.000 3,310.00000 **MERRY PIPPIN** FRODO

### One Sheet to Rule Them All



0.00000





### Breakdown IDs

WHAT IS DEAD MAY NEVER DIE.

# Contractors relied on the proposal to generate bids

	~		Quantity Sheet Summary			Report v1
Unique Special Provisions	List of Iter	n Quantities				
Special Provisions for this Project	Section ID	Item ID	Item Description/Supplemental Description	Unit	Breakdown ID	Quantity
Votice to Bidders for this Project					121	32.00
Coordination Clause					122	94.00
Utility Coordination					123	112.00
Supplemental Specifications					124	100.00
Watermain/Sewer/Drainage Special Provisions					125	48.00
Electrical Special Provisions					126	64.00
Traffic Signal Special Provisions						
E Log of Project (Title Sheet)	1	8100382	Post, Wood, 6 inch by 8 inch	Ft	Item Total: 121	482.00 38.00
P Quantity Sheets	10	0100302			122	62.00
Notice of Bidders - Contact						
Person					126	32.00
Attachments		0400000	Sign, Type I, Erect, Salv	Ea	Item Total: 120	132.00
Labor Rates	1	8100390	Sign, Type I, Erect, Salv	Ea		
Federal-Aid Construction					121	1.00
Contracts					122	1.00
					Item Total:	3.0
	1	8100391	Sign, Type I, Rem	Ea	120	1.0
					121	1.0
					122	1.0
					Item Total:	3.00

### Inspectors relied on sheet quantities to track progress

	QUANT	TITIES THIS SHEET
JN 208843A		
CAT 0001		
0.15	Acre	Clearing
1	Ea	Tree, Rem, 19 inch to 36 inch
3	Ea	Tree, Rem, 37 nch or Larger
5	Ea	Tree, Rem, 6 nch to 18 nch
1	Ea	Stump, Rem, 37 Inch or Larger
3	Ea	Stump, Rem, 6 nch to 18 nch
4	Ea	Culv, Rem, Less than 24 inch
1	Ea	Monitoring Well, Abandon
328	Ft	Guardrai, Rem
10	Cyd	Masonry and Conc Structure, Rem
1556	Syd	Pavt, Rem
5	Syd	Sidewalk, Rem
1905	Cyd	Excavation, Earth
2859	Syd	HMA Surface, Rem
1	Ea	Dellneator, Rem

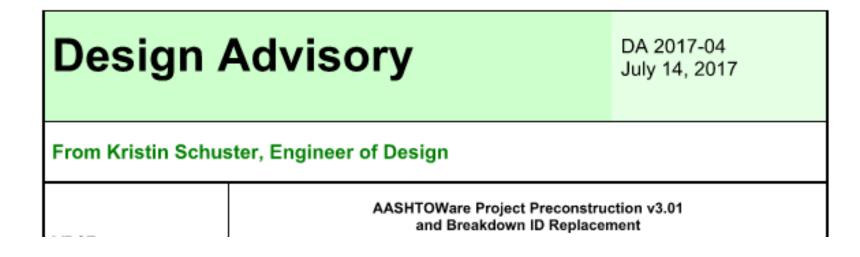
### Breakdown IDs

### Engineering Support To The Rescue

#### 2017: ENGINEERING SUPPORT TAKES OVER OWNERSHIP OF THE PQS

MAKES PQS AVAILABLE TO CONSULTANTS

1		
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1		
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5	Michigan Department of Transpo	rtation
6		
7	Version:	V2.2.01
8	Date Update:	2/6/2024
9		
10		
11	Project Quantity Sheet	
12		



### New Project Deliverable

In response to the change in the software (anticipated late August), the Michigan Department of Transportation is requiring that final submittals after August 1, 2017 submit project quantities to the Supporting Documents (in ProjectWise) in an XML format using one of the following methods:

- 1. MDOT Project Quantity Spreadsheet (PQS) Guidance Document
- 2. <u>AASHTO Stand-Alone PES Worksheet (SAPW) Guidance Documents</u>

	Brea	akdown ID					_			-												51	8	10	1-09032
				128908A-0001-16	128908A-0001-17	128908A-0001-18	128908A-0001-20	128908A-0001-21	128908A-0001-22	128908A-0001-24	128908A-0001-26	128908A-0001-27	128908A-0001-41	128908A-0001-42	128908A-0001-44	128908A-0001-45	128908A-0001-46	128908A-0001-47	128908A-0001-48	128908A-0001-49	128908A-0001-8	128908A-0001-IT	128908 A-000 1-508	128908A-0001-S1	128908A-0002-B0
2020002	Tree, Rem, 19 inch to 36 inch		Ea	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020003	Tree, Rem, 37 inch or Larger		Ea	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020004	Tree, Rem, 6 inch to 18 inch		Ea	25	0	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030011	Dr Structure, Rem		Ea	10	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030015	Sewer, Rem, Less than 24 inch		Ft	581	0	0	224	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030016	Sewer, Rem, 24 inch to 48 inch		Ft	0	0	0	220	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037050	Monitoring Well, Adj		Ea	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040001	Asbestos Materials, Rem and Disposal		Dlr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35000

### New RID Deliverable

XML FILE IS USED BY MDOT QA UNIT TO PROVIDE ADDITIONAL RID DOCUMENT