

eTicketing Update

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Topics

Review of the Past Year

Unifier Business Processes

Special Provision

Training

DOTSlip Portal

DeIDOT vs other DOT's

Next Steps





2022 in Review

- Special Provision requiring eTickets was included in projects advertised after March 2022
 - 36 Projects in DOTSlip (not all with tickets)
 - 20,752 Tickets (as of 3/4/23)
 - ~1,000 Ready Mix Concrete Tickets
-

eTicket Special Provision

Current Requirements

Setup and Calibration:

General Requirements:

Send electronic tickets (eTicket) to the Department's Electronic Ticketing Portal <https://tickets.deldot.gov> as they are generated. The Department will reject any load that does not have a corresponding eTicket unless the cause is beyond the contractor's control. In such circumstances paper tickets may be permitted at the discretion of the engineer.

Suggest 2 Tickets per material type.

- Missing Tickets
 - Pay is at the Engineer's discretion



eTicket Special Provision

Coming Updates

- Calibration/Test Tickets *by material type*

Uptime:

Uptime reliability of the material supplier's ticketing system must be 99.5% over any 30-day rolling period. Uptime is defined as the ability for the Department to receive electronic tickets within a maximum of 10 minutes from when the ticket was created. ???

- Add additional truck number to right or rear of vehicle.

Ensure the identifying vehicle numbers on the delivery vehicle correspond to the ticket. Place the numbers on the delivery vehicles such that at least one can be safely read from within the work area. Delivery vehicles without identifying vehicle numbers shall be rejected.



DOTSlip Portal

- To add a Project to DOTSlip
 - Contact Craig Blowers, Jackie Johnston, or William Deihl
- To get a DOTSlip User ID
 - Again contact Craig Blowers, Jackie Johnston, or William Deihl
- To get assigned to a Project, contact your Area Engineer or Supervisor
- Planning to automate both these features in the future with a Unifier Integration





eTickets in Unifier

- Tickets marked “Delivered” in DOTSlip will be imported into Unifier 5 times/day (6am, 12pm, 3pm, 6pm, 12am)
 - Frequency may be adjusted (feedback welcome)
 - Avoid marking tickets delivered if there are errors on the ticket
 - Avoid adding tickets with errors to a package & paying those tickets in Unifier
-



eTickets in Unifier

Unifier Ticket

eTickets Edit

eTicket Standard

Ticket

Ticket Number: 113290

Dispatched Date: 12/13/2022 02:15 PM

Status: Delivered

Material type

Raw Ticket

Plant: 113290

TriCounty: 12/13/2022 02:15 PM

Customer Name: DIAMOND MATERIALS

Contract #: T202106201

Project Name: Truck

Job #: D22-066

Hauler: FRANKLIN ENTERPRISES

Truck: FE3

Max GVW: 73,280

Product Description: 9.5MM 76-22

Product Code: 401046

Load: 13

Daily Total: 303.11

Daily Total

303.11

DOTSlip Ticket

113290 Download slip

113290 12/13/22 2:59 PM EST

Mark as Pending **Mark as Rejected**

Ticket Audit log Test results Map Photos

WARNING 12/13/22 02:15 PM EST

Raw Ticket Data

Plant	TriCounty	Created/Printed At
		12/13/22 02:15 PM EST

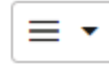
Truck	FE3
Hauler	FRANKLIN ENTERPRISES
Max GVW	73280
Product Description	9.5MM 76-22
Load	13
Truck	FE3
Product	DDOT3
Product Code	401046
Daily Total	303.11

Daily Total 303.11



Create New Ticket Packages

Send Save



Ticket Package eTickets

Making a Ticket

Ticket Package Info

Ticket Package No

Not Required

e-Tickets Selection

Inspector

Pay or Source *

1

Material Type *

2

Start Date *

3

End Date *

4

Select Pay Item Type *

Bid Pay Items Non-bid Pay Items

5

Required

Bid Pay Item

6

Non-Bid Pay Item



Ticket Packages

Send Save



Ticket Package eTickets

Icons for list view, grid view, Add, Refresh, Print, Search, and Filter.

Dispatched Date	Max GVW Difference	Max GVW	Gross (lbs)	Gross	Tare (lbs)	Tare	Net (lbs)	Max G'
11/11/2021 08:...	-120	72,980	73,100	36.55	28,700	14.35	44,400	
11/11/2021 08:...	-120	72,980	73,100	36.55	28,700	14.35	44,400	
11/11/2021 10:...	-100	72,980	73,080	36.54	28,540	14.27	44,540	
11/11/2021 10:...	-100	72,980	73,080	36.54	28,540	14.27	44,540	
11/11/2021 09:...	180	73,000	72,820	36.41	29,280	14.64	43,540	
11/11/2021 08:...	220	73,000	72,780	36.39	29,340	14.67	43,440	
11/11/2021 10:...	360	73,280	72,920	36.46	28,520	14.26	44,400	
11/11/2021 10:...	380	73,000	72,620	36.31	29,260	14.63	43,360	
11/11/2021 10:...	380	73,000	72,620	36.31	29,260	14.63	43,360	
11/11/2021 10:...	400	73,280	72,880	36.44	27,860	13.93	45,020	
11/11/2021 09:...	500	73,280	72,780	36.39	27,280	13.64	45,500	
11/11/2021 08:...	500	73,280	72,780	36.39	27,960	13.98	44,820	
11/11/2021 08:...	640	73,280	72,640	36.32	28,640	14.32	44,000	
11/11/2021 09:...	700	73,280	72,580	36.29	28,580	14.29	44,000	
11/11/2021 10:...	840	73,280	72,440	36.22	27,280	13.64	45,160	

Total: 17

Ticket Package

Ticket Packages

Send Save

Add

1 No.

015

Copy

Remove

Add to Group

016

011

010

009

008

007

006

005

017

004

003

002

001

Total: 17

Ticket Package eTickets

Summary Values

Re-calculate eTickets Total

Re-calculate 1

2

eTickets Total

311.73

eTickets Waste Total

0.00

eTickets Corrective Total

-1.40

eTickets Revised Total

310.33

Inspector Ticket Package Total

310.33

Difference

0

Surcharge Total

10

Split eTicket Exception Count

0

Single eTicket Exception Count

0

Save & Add New



Ticket Packages

Send Save



Ticket Package **1** eTickets

Re-calculate eTickets Total

Re-calculate 1 **2**

Select

Re-calculate 1

Re-calculate 2 **3**

0.00

eTickets Corrective Total

-1.40

eTickets Revised Total

310.33

Inspector Ticket Package Total

310.33

Difference

0

Surcharge Total

10

Split eTicket Exception Count

0

Single eTicket Exception Count

0

New: 1 Del
New: 1 D

Project Number

Record No.



eTickets in Unifier

- Recalculating Ticket Package
 - To verify no overpayments
 - Run after every change to the Ticket Package

The screenshot displays the 'Ticket Packages' interface in Unifier. A table lists ticket packages with columns for No., Ticket Number, Date, Material, and Unit. Row 018 is highlighted. An 'Errors and Warnings' dialog box is open, showing a single error: 'Ticket Package' with the description 'Difference : Entered Qty total does not match e-Tickets tot...'. The dialog also shows 'Total: 1'. Below the table, a 'Total Amount' dropdown is set to 342.53. The bottom of the screen shows 'Total: 18'. On the right, a form for ticket details is visible, including fields for Ticket Number (1800563), Material Type (Asphalt), Product Description (AM-WILM-34 64-22 19MM), Unit of Measure (TON), Inspector, and Dispatched Date (11/11/2021 10:45 AM). Buttons for 'Cancel', 'Save', and 'Save & Add New' are at the bottom right.

No.	Ticket Number	Date	Material	Unit
014				
015				
013				
018				
012				
011	180056...	11/11/2021 10:36 AM	Asphalt	AM-1
016	180056...	11/11/2021 10:36 AM	Asphalt	AM-1
010	180056...	11/11/2021 10:12 AM	Asphalt	AM-1
009	180056...	11/11/2021 09:51 AM	Asphalt	AM-1
008	180056...	11/11/2021 09:48 AM	Asphalt	AM-1
007	180056...	11/11/2021 09:46 AM	Asphalt	AM-1
006	180056...	11/11/2021 09:33 AM	Asphalt	AM-1



eTickets in Unifier

Corrective Quantity on eTicket

22.2

Revised Ticket Qty (for split eTickets) ?

22.2

eTicket Corrective Qty Required? ?

No Yes **1**

Corrective Qty * **2**

-5

Corrective Reason *

Test **3**

Final Revised Qty

17.2

In Tons



PROJECT NO:
TICKET PKG:
Created:
From Date:
of Tickets:



PROJECT NO: T201407404
TICKET PKG: 0002
Created: Test User
From Date: 11/11/2021 12:00 AM

RECORD NO: TP-0002
Approved: Test User
To Date: 11/11/2021 06:00 AM



PROJECT NO: T201407404
TICKET PKG: 0002

SUMMARY

SURCHARGE	PAY ITEM	PAY ITE
No	401014-00-0001	SUPERP
No	401016-00-0001	SUPERP
No	707017-01-0001	RIPRAP,
Yes	401696-00-0001	ENTRANC STREET

EXCEPTIONS – SPLIT TICKETS

TICKET #	PAY ITEM	TYPE
180056355	401014-00-0001	Bid Item

EXCEPTIONS – NON-SPLIT TICKETS

TICKET #	PAY ITEM	TYPE
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TICKET DETAILS

PAY ITEM	TICKET #
401014-00-0001	: SUPERPA
	180056328
	180056329
	180056335
	180056336
	180056337
	180056343
	180056346
	180056347
	180056348
	180056351
	180056354
	180056355
	180056356
	180056357

707017-01-0001 : RIPRAP, F
180056336
401696-00-0001 : ENTRANC
SURCHARGE

TICKET			
Ticket Number:	180056329	Dispatched Date:	11/11/2021 1:32 PM
Status:	Delivered	Material Type:	Asphalt

RAW TICKET DATA			
Plant:	Wilmington Asphalt (AMMDEA41)	Supplier Name:	Allan Myers
Customer Name:	Allan Myers - Fallston	Contract #:	T201407404
Project Name:		Job #:	2125049-21
Hauler:		Truck:	297378
Max GVW:	73,000	Product Code:	401014
Product Description:	AM-WILM-34 64-22 19MM	Daily Total:	43.72
Load:	2		
Weighmaster:	CHARLIE POORE		

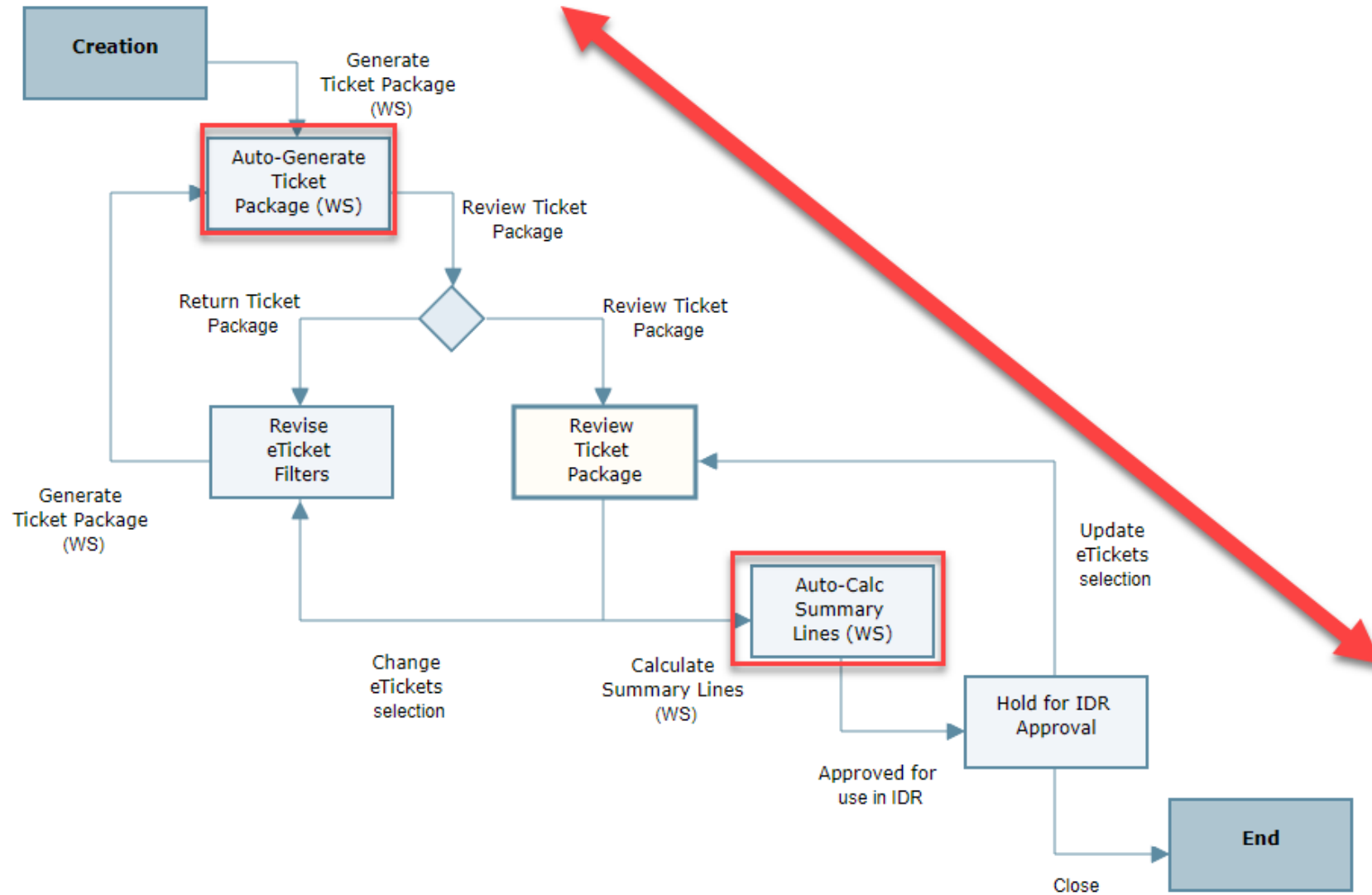
WEIGHTS			
Max GVW Difference:	220	Gross Difference:	0
Gross (lbs) Diff:	0	Gross:	36.39
Gross (lbs):	72,780	Tare:	14.67
Tare (lbs):	29,340	Net:	21.72
Net (lbs):	43,440	Qty:	21.72

DOT INSPECTOR REVIEW			
Inspector		Field Temperature:	0
Inspector Recv'd Date		Station:	
Plant Temperature	0	Waste:	0
Temperature Scale	F		
Notes			



eTicket in Unifier

Ticke

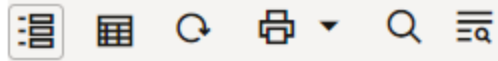


Updated IDR BP

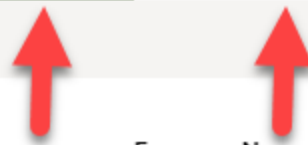
Inspector Daily Reports



Daily Report Personnel & Equipment Ticket Packages **Bid Pay Items** Non-Bid Pay Items Materials Visitors Issues



No.	Tkt Pkg No	Pay Item	Section	Pay Item Name	Foreman Name
002	0020	209007	1001	BORROW, TYPE A	
001		201000	1001	CLEARING AND GRUB...	



Line Item Details Attachments

Ticket Package Bid Pay Item

Ticket Package Pay Item

Ticket Package No

0020

Ticket Pay Item

209007

Ticket Pay Item Name

BORROW, TYPE A

Surcharge?

No

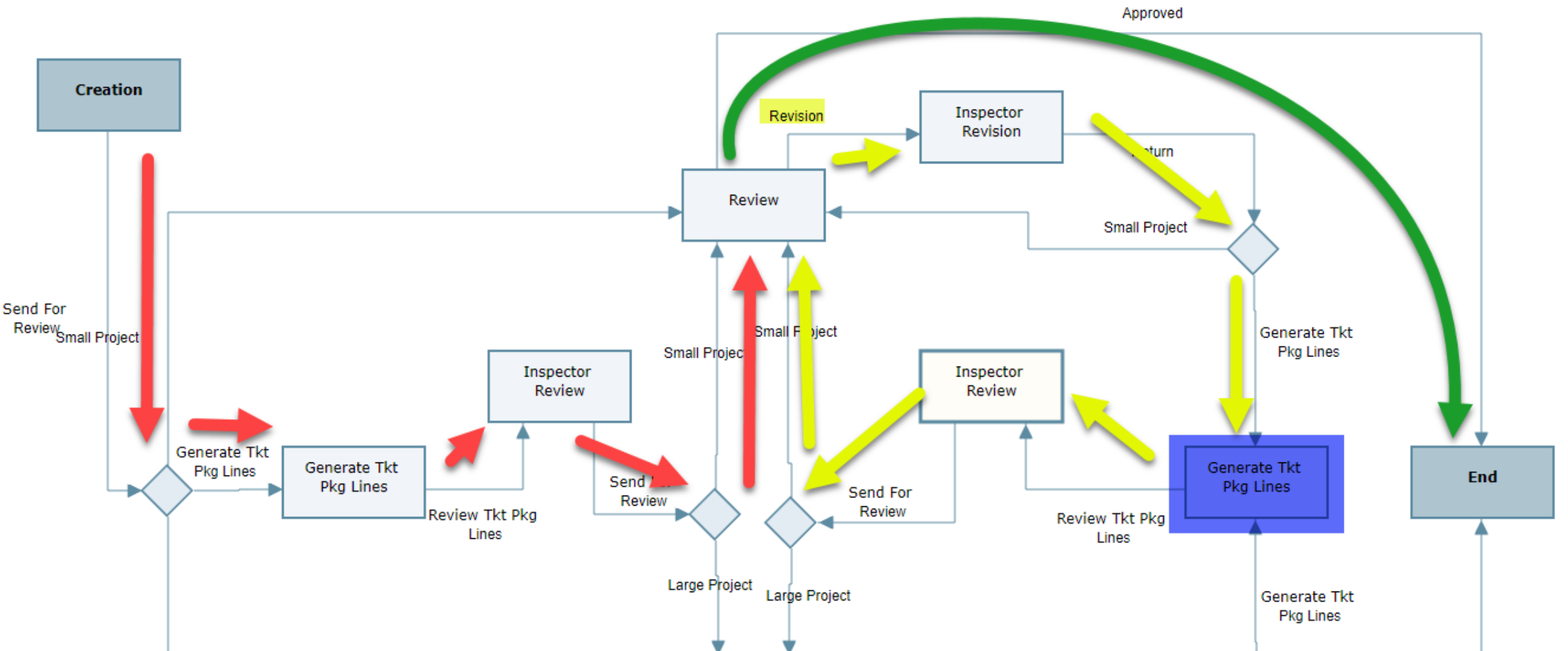
Ticket Pay Item UOM

Total: 2



Updated IDR BP

Workflow Progress - Graphic



Source Document

Send Save



Source Document

Pay Item Reference

Pay Item Number

203500-01-0001

Pay Item Name

DITCHING

Initial IDR/QA Quantity

1

Blue Check Quantity

0

Correction Quantity

0

Is Revision Required? *

Yes

No

Required

Price Approved at SD Creation?

Price Approved

General

Contract Reference

T202106201

Date Created

01/24/2023

Project Location

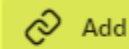
Location Name

Attachments

Comments

Linked Records

Workflow >



Add



Information

No Linked Records.

Close

Print Graphic

Training

- Training
 - In-person for Consultant Project Residents & in-house staff
- Basic Videos on the Construction Wiki
 - <https://constructionmanual.deldot.gov>
- Will be the first BP's with WhatFix (training videos within Unifier)



Other DOT's

- Many other states using HaulHub for their eTicket portal.
- We are among the first, if not the first, to integrate eTickets into our eConstruction platform
 - Other states are using Excel to calculate payments.

Future Steps

- This year
 - Rolling out to Concrete
 - Been in testing for Heritage since the summer
 - Other suppliers are getting connected now
 - Plant Inspector view for Hot-Mix
 - Roll out to Public Works Projects
 - Expand to Aggregates
- Next Year(s)
 - Proof of Delivery
 - Smart/Connected Workzones
 - Environmental Product Declarations



QUESTIONS/ COMMENTS

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