

McCarran International Airport

JASON CABRERA
AIRPORT MANAGER, SERVICE DESK
INFORMATION SYSTEMS

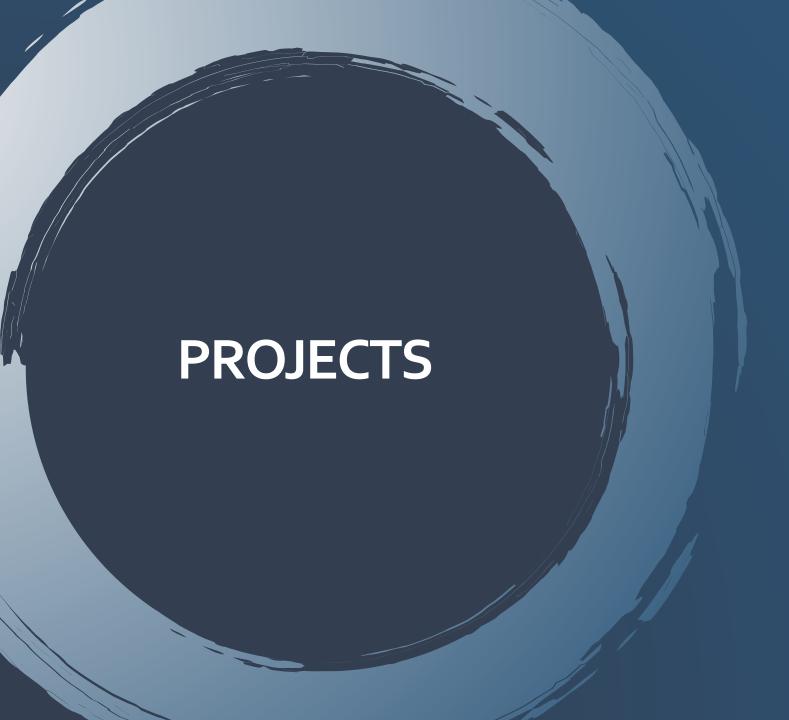
MCCARRAN AIRPORT SYSTEM

- 1. McCarran International Airport
- 2. Henderson Executive Airport
- 3. North Las Vegas Airport
- 4. Jean Sport Aviation
- 5. Overton/Perkins Field

- 51.5 Million Passengers in 2019
- 4th O&D
- 9th Busiest in US







- CCTV
- CONSOLIDATED
 MAINTENANCE /
 WAREHOUSE FACILITY
- ROADWAYS
- T1 L2 EXPANSION

AEM-SD Planning/Scheduling Airline ATS - SD Planning/Scheduling BHS-SD Planning/Scheduling BM General SD Planning/Scheduling Budget Approver Change Manager Contractor Planning/Scheduling ELEC - SD Planning/Scheduling Every One FSS - SD Planning/Scheduling GenBM - SD Planning/Scheduling Henderson SD Planning/Scheduling HVAC - SD Planning/Scheduling Mobile Start Center My Start Center North Las vegas SD Planning / Scheduling Planner Start Center PLBG - SD Planning / Scheduling Scheduling Scheduler Start Center SD Manager Incomplete Work Orders By Type Filter > Q A Filter > Q Filter > Q A Filter > Q Filte Incomplete Work Orders By Status BM- AES Incomplete Work Orders (By Work Type View By: Status Assets 2.92 Self Service List View Priority. AEM Tech Reported Work Orders 0.1 Status Reported Date 2.81 COMP 1/17/20 15:58:18 3.33 4/11/18 15:42:31 29.27 PATMO 755769 5/21/18 15:55:08 1/20/20 16:36:37 5/24/18 20:06:19 1/20/20 19:33:20 WBAPPE 5/24/18 20:22:31 WSCH 758008 8/2/18 19:21:22 WPLAN PATMO 497732 1/24/20 16:09:51 February 2020 Training Swing Shift 529772 1 - 10 of 109 | Next Page 1/24/20 16:13:25 759636 List View 759637 Set Chart Options 1-1 of 1 CCDOA Detailed Daily Schedule Mobile Start Center

MODULES

ASSETS WORK ORDER TRACKING PREVENTATIVE MAINTENANCE **PLANNING INVENTORY PURCHASING INVOICING CONTROL DESK (IT) SELF SERVICE CENTER**



Work Management

6 Divisions

323 Team Members on Schedule

9 Planner/Schedulers



McCarran Asset Management Program ELEC AEM ATS TARGET PM WORK ORDERS PM'S COMPLETED/CLOSED 5924 PM'S CANCELLED 303 % COMPLETED/CLOSED % OPEN 3.3% 0.096 0.0% 1.2% 95 CANCELLED 1753 1002 PLANNED PM HRS 1269 1112 596 788 11383 CORRECTIVE MAINTENANCE COMPLETED/CLOSED % CANCELLED 3.8% PLANNED CM HRS EMERGENCY MAINTENANCE TARGET EM WORK ORDERS 428 EM'S CANCELLED PLANNED EM HRS PROJECTS PR'S COMPLETED/CLOSED PR'S OPEN PR'S CANCELLED COMPLETED/CLOSED 100.0% 100.0% 53.3% PLANNED PR HRS GENERAL SERVICES TARGET GS WORK ORDERS 265 GS'S CANCELLED % COMPLETED/CLOSED % OPEN 0.0% 0.0% 3.2% 1.496 14.3% 1.8% 0.0% 1.5% 752 Service Desk Division/ Asset Management Program Status: Production Revised 07/05/2016

Accountability

- Divisional Monthly Performance Metrics
- Monthly Shop Performance
- Weekly Schedule Compliance
- Ticket Aging Reports
- Weekly IT Incident Shared with our airline partners.
- Work Production Reviews
- Labor Utilizaion
- Buy-In at all levels















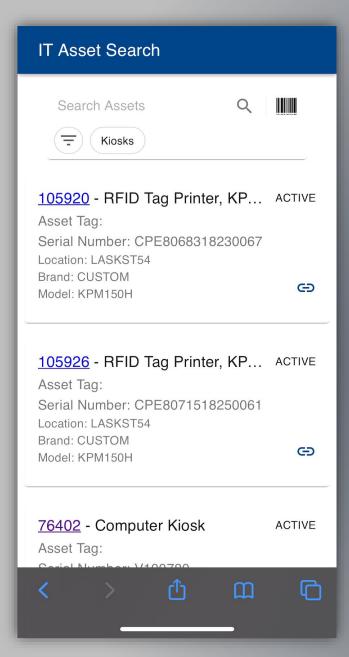
PM – Time vs Meter



Every 90k Cycles

List View	PM	Frequency	Seasonal Dates	Job Plan Sequence	PM Hierarchy	Forecast	
и: 7589		HSD Metered	Cycle Count Inspection	on §	Site: LAS	_ /	Status: ACTIVE
ork Ord	er Gen	eration Info	rmation			Forecas	st Exists?
e Last Worl	k Order's	Start Date to Cal	culate Next Due Date?	Generate Work Order	Based on Meter Read	ding (Do Not Estima	ite)? 🗸
				Generate Wo	rk Order When Meter	requency is Reach	ned?✓
Time Ba	sed Fre	quency	ter Based Frequen	су			
Meter Ba	ased F	requency	Filter >	ℓ ↑ ↓ ↓1 -	1 of 1		G+ =
Mete	<u>r</u>	Description	on	<u>Fr</u>	equency Units to	Go Generate WO	Ahead By Alert Lead
	LECOUN	>>> BHS Dive	erter Cycle Count	(∰ 90	0,000.00 78,160	.00	
Details							
	N	Meter: CYCLECO	UN' >>> BHS Diver	ter Cycle Count		Average U	nits/Day: 1,776.85
	Frequ	ency: 90,000	0.00			F	Rollover:
	Alert	Lead:					
Generate	WO Ahea	ad By:					
Last Work	Order Info	ormation		Next Work Order Projection	S		
Mete	er Reading	g: 948,864.00		Next Meter Reading:	1,038,864.00		
Meter Rea	ading Date	e: 2/23/20 22:59:	54	Units to Go:	78,160.00		
				Estimated Next Due Date:	4/14/20		
							New Row

Next PM ETA – 4/14/20





Up Next...

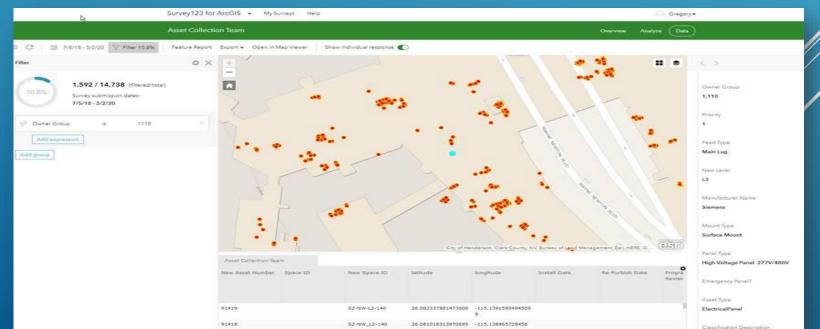
Eric Bodden

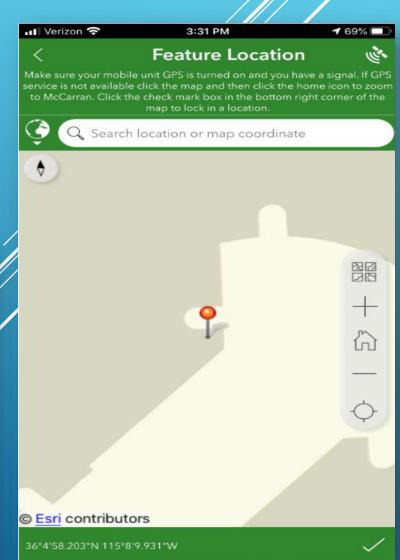
Departmental Systems Administrator
Asset Management Team

- Maintain approx. 45,900 active assets
- Asset Mix of IT, Plumbing, Electrical, BHS, ATS, HVAC, BM, etc.
- 3500 PMs for assets
- 320 plus personnel to maintain
- 9 Planner/Schedulers, 2 Office Specialist, Auto CAD

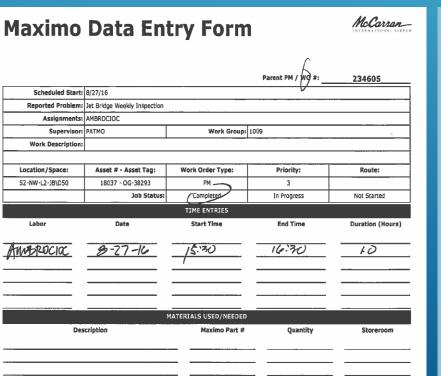
- Two year asset collection process
- Better knowledge of actual count and locations of asset
- Used Survey data to collect vital information and pin drop location
- Final stage will be accurate spare parts listing for asset

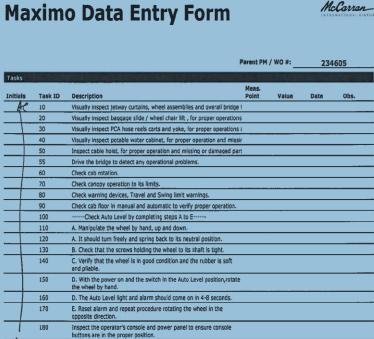
- Sample of pin drop for an asset location
- Hover over the pin and it will give you information about asset mix





MAXIMO Work order process completed on paper work orders, Maximo Data Entry Form



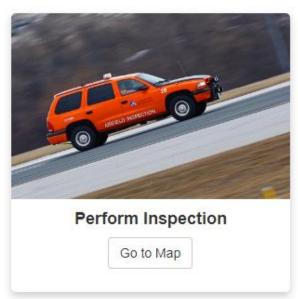


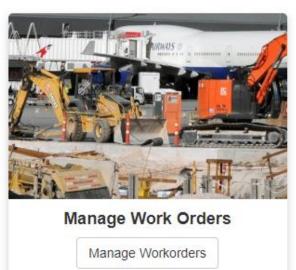
Fill out Maximo Data Entry Form for all repairs needed

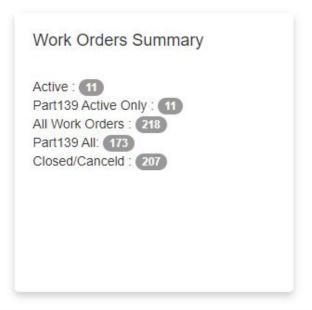
Asset Spare Pa									
Ite	m Description			Quantity					
102	53 AXLE, BUSHING, STAINLESS STEEL, 1-3/4"	L X 1/2"D		(
157	15719 Halogen lamps, M/H, Flood, 150W, PAR38, Medium, 830, MCP150/PAR38/U/830/FL/ECO PB								
39	95 Lamps and Lightbulbs, Replacement, Strob	e, FED-SIG # K149130A (Jetbridge)	(
153	46 WHEEL,CASTER, POLYURETHANE, RED, 5" ((WHEEL ONLY)		C					
104	72 Centrifuge control board or printed circult b	oard, BUS DISCH PWM2,	2912277.02	1					
100	97 WHEEL, BOGIE TRUNNION P:N + 2102478		<u> </u>	1					
99	9924 Trolleys or accessories, Sall Track Assembly, 2106502, Jetway								
98	57 LEVEL, AUTO LEVEL, WHEEL, JETAWAY 2001	1940-500		1					
104	10473 Centrifuge control board or printed circuit board, Power Supply, PWM2, 2913278								
39	73 Centrifuge control board or printed circuit b	oard, JETWAY, SYSTEMS,	2911597	1					
Asset Meters		MARKET TO	THE SPECIFICACE OF	SPREEZE SPREEZE					
Meter	Measurement	Unit	Reading Date	Inspector					
L-INVERTER									
R-INVERTER	Programment -								
	27 11 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		DECEMBER	1375					

- WO's are now on Maximo Mobile
- Electronic version of the paper version
- Able to capture real time information on assets
- Gather actual time on PM's; better able to schedule PM's and be more effective in PM hours

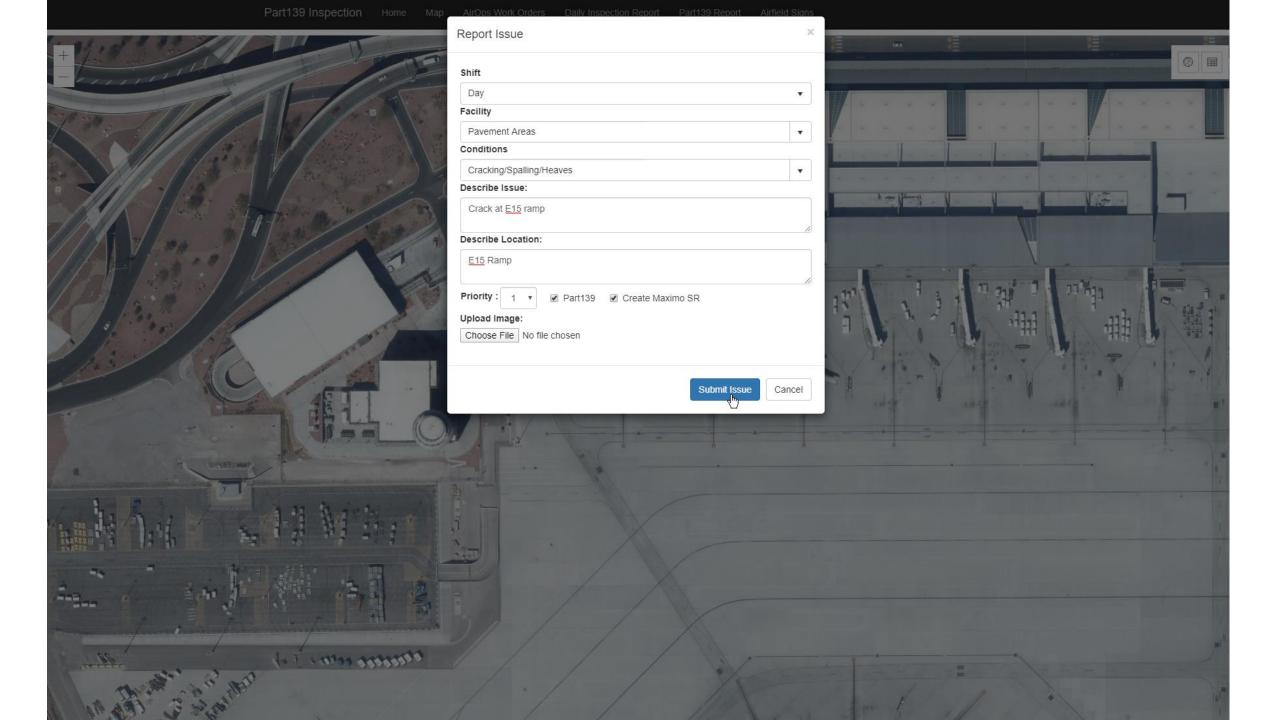


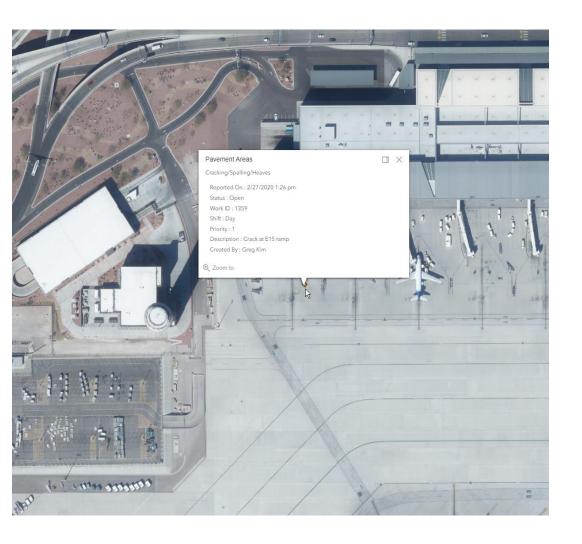






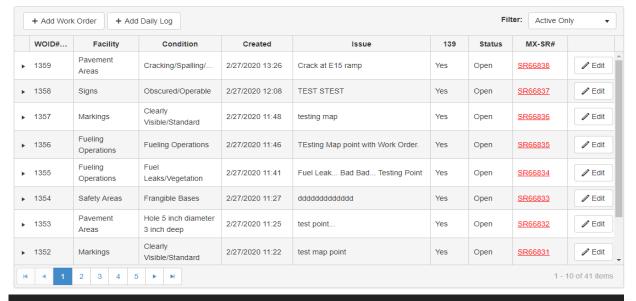






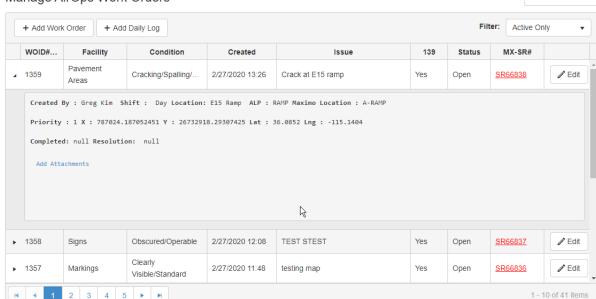
Airport Operations Home Map AirOps Work Orders Daily Inspection Report Part139 Report Airfield Signs Dashboard

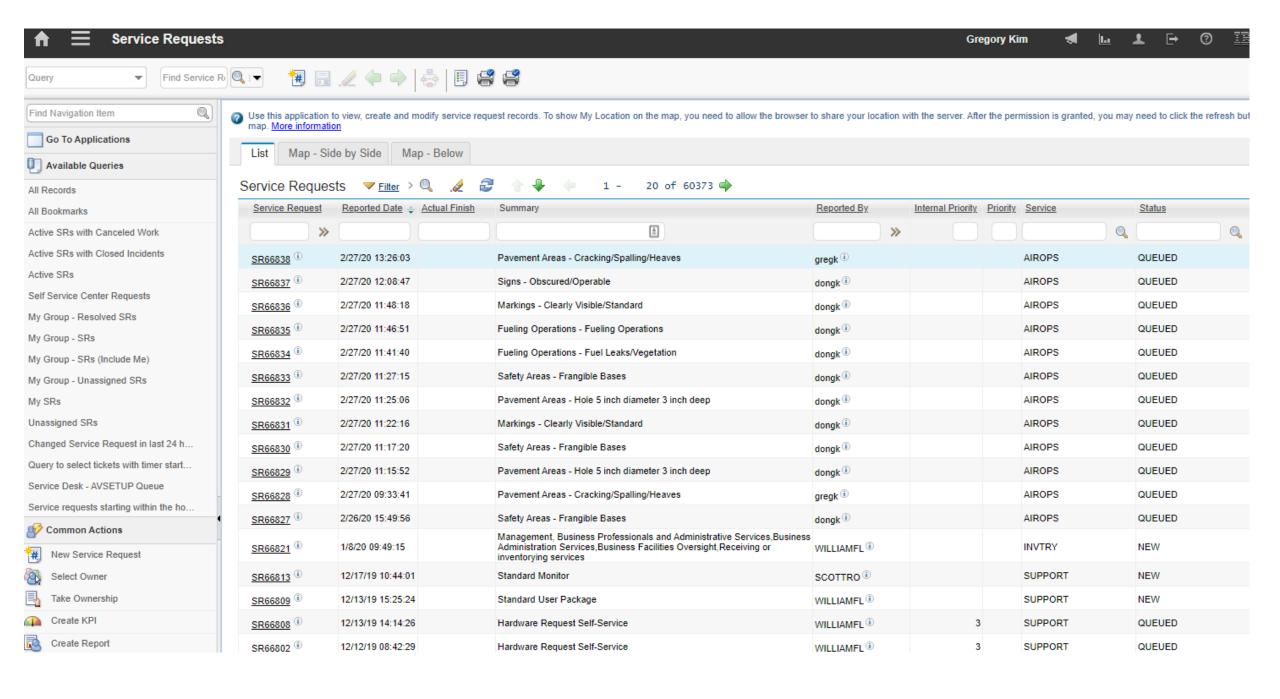
Manage AirOps Work Orders



Q

Manage AirOps Work Orders





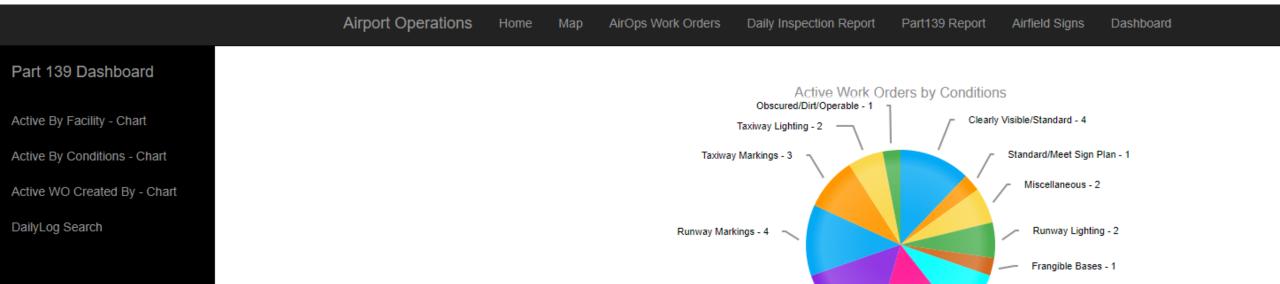
Airport Operations Daily Inspection Report - 3/2/2020 (From 06:00 To 05:59)

+	► Add Daily	Log	Print Log					Date Filter:	3/2/2020)	ä
	Time	Initial	Title	Remarks	Inc#	WOID	139	Log Type	Citation		
• (06:00	то	Assumed 260 Duties - Day Shift	Received briefing from grave shift, reviewed current airfield status, shift logs, work orders and NOTAMs.			No	Daily	No	×	
> (06:00	JH	Assumed 220 Duties - Day Shift	Received briefing and AED from grave shift, reviewed current airfield status, shift logs, work orders and NOTAMs.			No	Daily	No	×	
, (06:10	JH	Wildlife Activity Report	Wildlife Activity Report completed; Observed 5 Gulls on HP3. Brids flew away after a few mins. Wildlife report filed			No	Daily	No	×	}
> 0	06:30	JH	RWY/TWY Inspection	Initiated 14 CFR, Part 139 RWY/TWY inspection. Completed at 0742L. RWY 1L started 0725L completed at 0727L RWY 1R started 0658L completed at 0701L RWY 26L started 0655L completed at 0657L RWY 26R started 0645L completed at 0645L			No	Daily	No	×]
> (07:05	JH	Other	Advised ACC to MOHL tenants due to forecasted high winds			No	Daily	No	×	
> (07:09	ТО	Perimeter Inspection	Checked fence fabric and perimeter gates.			No	Daily	No	×	
	07.00		0-1-	Perimeter Gate #32 Opened at 0730. Secured by			NI-	Deile	NI-	i	

McCarran International Airport - Safety Self-Inspection Checklist

Date :		Day:			
3/2/2020	ä	Monday		Create PDF	
Grave Inspector :		Day Inspector:		Swing Inspector :	
Brian Freeburg	•	Kevin Carpenter	•	Select Inspector	•
Grave Time:		Day Time:		Swing Time:	
00:30	<u>(b)</u>	06:30	(<u>C</u>)	14:00	(9)
Comments / Weather:					
Cloudy, Wind, and Rain Te	emp. 67/49 Wir	nds N at 16kts, Humidity 62%			

Facilities	Conditions	Incidents	Resolution
Pavement Areas	Pavement lips over 3"		
	Hole - 5" diam. 3" deep		
	Cracks/Saplling/Heaves	528 (11/26/2019) 532 (11/27/2019) 634 (2/24/2020)	
	FOD: Gravel/Debris/Sand		
	Rubber Deposits		
	Ponding/Edge Damages		
Safety Areas	Ruts/Humps/Erosion		
	Drainage/Construction		
	Support Equipment/Aircraft		
	Frangible Bases	526 (11/25/2019)	
	Unauthorized Objects		
Markings	Clearly Visible/Standard	387 (8/26/2019) 388 (8/26/2019) 390 (8/26/2019) 391 (8/26/2019)	



Glass Beads/Reflectivity - 5

Cracking/Spalling/Heaves - 3

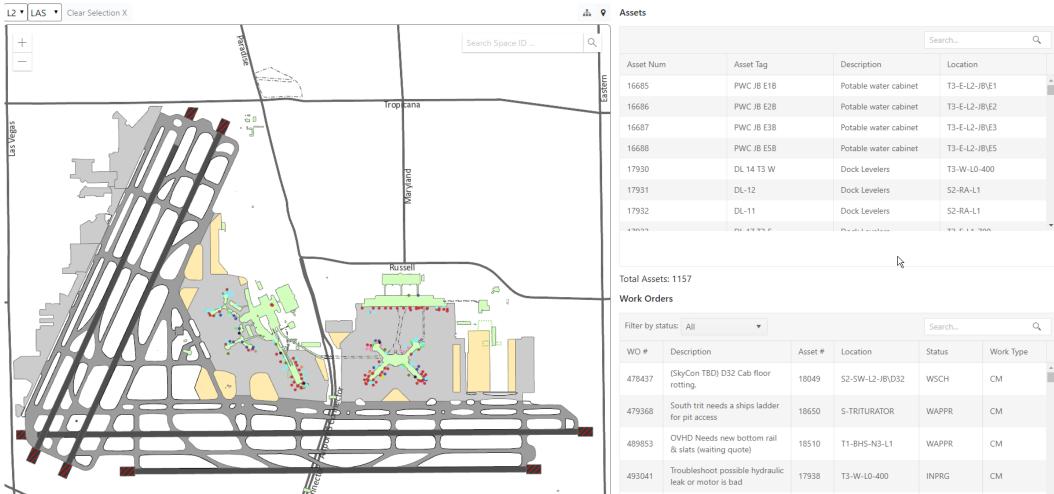
Holding Position Markings - 5

Clearly Visible/Standard
 Standard/Meet Sign Plan
 Miscellaneous
 Runway Lighting
 Frangible Bases
 Cracking/Spalling/Heaves
 Holding Position Markings
 Glass Beads/Reflectivity
 Runway Markings
 Taxiway Markings
 Taxiway Lighting
 Obscured/Dirt/Operable

AMS: Maximo Welcome, gregk Plumbing **Building Maintenance** Airport Equipment Specialists BM Special Trade HVAC BHS FSS ATS **Property Monitor** Electrical B



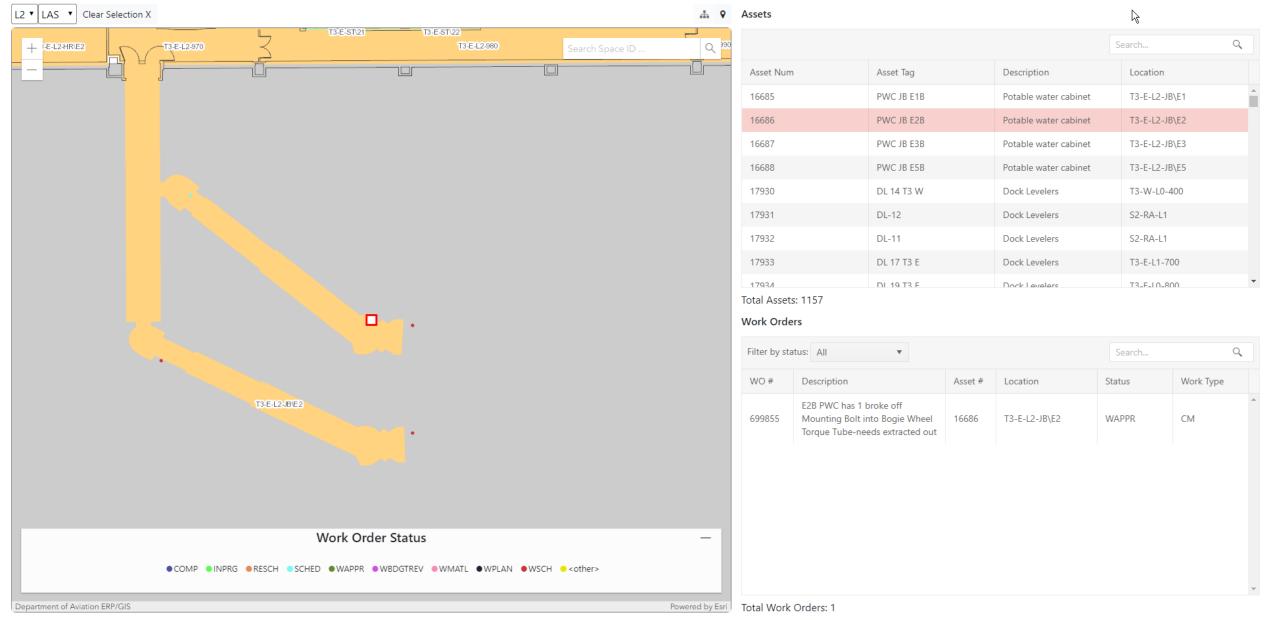
Airport Equipment Specialists



AMS: Maximo Welcome, gregk



Airport Equipment Specialists



One more application...

AMS Mobile