STAR RNAV RWY 12 TIPKI 1L

Serial # / Procedure designator	Navigational performance	Path descriptor	Waypoint identifier	Waypoint coordinates	Fly-Over	True track [°] / Magnetic track [°]	Distance [km]	Turn direction	Upper limit [ft] / Lower limit [ft]	Speed limit [kts]
TIPKI 1L	RNAV 1	IF	TIPKI	40°16'33.8"N / 072°35'54.8"E	-	-	-	-	- / FL200	-
TIPKI 1L	RNAV 1	TF	OSH	40°36'22.2"N / 072°48'07.4"E	N	025.2 / 020	40.5	-	- / 9000	-
TIPKI 1L	RNAV 1	TF	FO512	40°47'03.4"N / 072°53'45.7"E	N	021.9 / 017	21.3	-	- / 6200	-250.0
TIPKI 1L	RNAV 1	TF	FO412	40°52'27.2"N / 072°43'50.3"E	N	305.7 / 301	17.2	-	7000 / 6200	-230.0

STAR RNAV RWY 12 VELEN 1L

Serial # / Procedure designator	Navigational performance	Path descriptor	Waypoint identifier	Waypoint coordinates	Fly-Over	True track [°] / Magnetic track [°]	Distance [km]	Turn direction	Upper limit [ft] / Lower limit [ft]	Speed limit [kts]
VELEN 1L	RNAV 1	IF	VELEN	40°15'00.0"N / 072°06'00.0"E	-	-	-	-	- / FL190	-
VELEN 1L	RNAV 1	TF	FO801	40°22'33.3"N / 072°20'47.5"E	N	056.2 / 051	25.2	-	- / FL150	-
VELEN 1L	RNAV 1	TF	OSH	40°36'22.2"N / 072°48'07.4"E	N	056.3 / 051	46.3	-	- / 9000	-
VELEN 1L	RNAV 1	TF	FO512	40°47'03.4"N / 072°53'45.7"E	N	021.9 / 017	21.3	-	- / 6200	-250.0
REMIZ 1L	RNAV 1	TF	FO412	40°52'27.2"N / 072°43'50.3"E	N	305.7 / 301	17.2	-	7000 / 6200	-230.0

STAR RNAV RWY 12 AFEKE 1L

Serial # / Procedure designator	Navigational performance	Path descriptor	Waypoint identifier	Waypoint coordinates	Fly-Over	True track [°] / Magnetic track [°]	Distance [km]	Turn direction	Upper limit [ft] / Lower limit [ft]	Speed limit [kts]
AFEKE 1L	RNAV 1	IF	AFEKE	40°41'36.5"N / 072°14'50.8"E	-	-	-	-	- / 8000	-
AFEKE 1L	RNAV 1	TF	FO612	40°45'36.8"N / 072°30'53.0"E	N	071.7 / 067	23.8	-	- / 6000	-

STAR RNAV RWY 12 NMA 1L

Serial # / Procedure designator	Navigational performance	Path descriptor	Waypoint identifier	Waypoint coordinates	Fly-Over	True track [°] / Magnetic track [°]	Distance [km]	Turn direction	Upper limit [ft] / Lower limit [ft]	Speed limit [kts]
NMA 1L	RNAV 1	IF	NMA	40°58'55.1"N / 071°33'38.0"E	-	-	-	-	- / FL160	-
NMA 1L	RNAV 1	TF	FO701	40°54'05.2"N / 072°23'44.9"E	N	097.0/ 092	70.9	-	- / 8000	-
NMA 1L	RNAV 1	TF	FO612	40°45'36.8"N / 072°30'53.0"E	N	147.4 / 142	18.6	-	- / 6000	-

STAR RNAV RWY 12 DA HOLDING

Serial # / Procedure designator	Navigational performance	Path descriptor	Waypoint identifier	Waypoint coordinates	Fly-Over	True track [°] / Magnetic track [°]	Distance [km]	Turn direction	Upper limit [ft] / Lower limit [ft]	Speed limit [kts]
DA HOLDING	RNAV 1	HM	DA	40°56'34.0"N / 072°58'48.3"E	-	202.0 / 197	1.0 min	R	13000 / 10400	-250.0
FO412 HOLDING	RNAV 1	HM	FO412	40°52'27.2"N / 072°43'50.3"E	-	235.5/231	1.0 min	R	7000 / 6200	-230.0