## TABLE3-1 (Sheet 2 of 3)ROUTE U.S. 1 PENNS NECK AREA IMPROVEMENTSALTERNATIVE IMPROVEMENT SCHEMES - SUMMARY MATRIX

-1	D-1.1 Yes Yes	D-1.1A	D-1.1B	D-1.1C	D-1.1D
es	Yes		D-1.1B	D-1.1C	D-1.1D
es		Yes			
es		Yes			
es		Yes			
	Yes		Yes	Yes	Yes
es	105	Yes	Yes	Yes	No
	Yes	Yes	Yes	Yes	Yes
o	No	Yes	Yes	Yes	Yes
0	Yes	Yes	Yes	Yes	Yes
pacts to	Front yard impacts to Sarnoff	Front yard impacts to Sarnoff	Front yard impacts to Sarnoff	Front yard impacts to Sarnoff	Front yard impacts to Sarnoff
niversity	and University properties at	and University properties at	University	and University properties at	and University properties at
near ROW	linear ROW	linear ROW	linear ROW	linear ROW	Route 1; linear ROW takes on
niversity	Sarnoff and University	Sarnoff and University properties.	University	University	Sarnoff and University properties;
		PSE&G property takes (relocation cost).	Institute and	takes on Logan	Property takes on Logan Drive
			takes.	Eden Institute,	including Eden Institute,
	I			Sunoco	Sunoco
nr d ni o ni o ni ke	noff l iversity perties at ute 1; ear ROW es on noff and iversity	bacts to noff impacts to Sarnoff and University properties at ute 1; ear ROW es on Row noff and iversity Sarnoff and University Compacts to Sarnoff University properties at Note 1; linear ROW takes on Sarnoff and University University University Difference Sarnoff S	Deacts to noffimpacts to Sarnoffimpacts to SarnoffI iversity perties atand University properties atand University properties atute 1; ear ROW es onRoute 1; linear ROW takes onRoute 1; linear ROW takes onnoff and iversity perties.Sarnoff and University properties.Sarnoff and University properties.Noff and iversity perties.Sarnoff and University properties.Sarnoff and University properties.PSE&G property takes (relocation cost).PSE Cost).	Deacts to noffimpacts to Sarnoffimpacts to Sarnoffimpacts to SarnoffI iversity perties atand University properties atand University properties atand University properties atute 1; ear ROW es onRoute 1; linear ROW takes onRoute 1; linear ROW takes onRoute 1; linear ROW takes onRoute 1; linear ROW takes onnoff and iversity perties.Sarnoff and University properties.Sarnoff and University properties.Sarnoff and University properties.Noff and iversity perties.Sarnoff and University properties.Sarnoff and University properties.Sarnoff and University properties.Noff and iversity perties.Sarnoff and University properties.Sarnoff and University properties.PSE&G property takes (relocation cost).Eden Institute and PSE&G property takes.	backs to noffimpacts to Sarnoffimpacts to Sarnoffimpacts to Sarnoffimpacts to Sarnoffand iversity perties atand University properties atand University properties atand University properties atand University properties atute 1; ear ROW es onRoute 1; linear ROW takes onnoff and iversity perties.Sarnoff and University properties.Sarnoff and University properties.Sarnoff and University properties;Sarnoff and University properties;Image: Row brack solution and iversity perties.Sarnoff and University properties.Sarnoff and University properties;Sarnoff and University properties;Image: Row brack solution and iversity properties.Sarnoff and University properties.Sarnoff and University properties;Sarnoff and University properties;Image: Row brack takes (relocation cost).Sarnoff and Property takes (relocation property takes.Sarnoff and University properties;Image: Row brack takes (relocation cost).Eden Institute and Property takes.Property takes on Logan Drive

٦	ROW Acquisition			50.44			
	Area (Permanent)	66 Acres	63.20 Acres	Acres	50.44 Acres	50.44 Acres	44 Acres
] ]	Prime Farmland Soils						
	Impacts (Acres)	27.9	28	26.42	26.42	26.42	20
]							
	100 Year Floodplain Impacts (LF)						
	Little Bear Brook	2,000	1,200	1,200	1,200	1,200	1,200
]	Millstone River	1,100	500	700	700	700	700
	Floodway Impacts (LF)	1,000	150	150	150	150	150
	Wetlands Impacts (Acres)	3.81	1.1	1.1	1.1	1.1	1.1
]							
	Visually Sensitive Site Impacts	Impacts to private viewshed on	Impacts to private viewshed on	Impacts to private viewshed on	Impacts to private viewshed on	Impacts to private viewshed on	Impacts to private viewshed on
		Sarnoff property; new public	Sarnoff property; new public	Sarnoff property; new public	Sarnoff property; new public	Sarnoff property; new public	Sarnoff property; new public
		views on Sarnoff and University	views on Sarnoff and University	views on Sarnoff and University	views on Sarnoff and University	views on Sarnoff and University	views on Sarnoff and University
		properties.	properties.	properties.	properties.	properties.	properties.
				Southerly views from Logan Drive			
				obstructed by overpass.			
ן ור		Minor D&R	Mince D 0-D	Minor DeD	Minor D&R	Mincr DeD	Minor DeD
	Section 4(f) Parkland Impacts	property acquisition near	Minor D&R property acquisition near	Minor D&R property acquisition near	property acquisition near	property acquisition near	property acquisition near
		Washington Rd and Harrison St.	Washington Rd and Harrison St.	Washington Rd and Harrison St.	Washington Rd and Harrison St.	Washington Rd and Harrison St.	Harrison St.
]	Adverse Effects to						

Historical/Archaeological				
Sites/4(f) (Site Numbers keyed to Fig 4-9)	1, 8, 9, 10, 16, 19, 20	1, 8, 9, 10, 16, 19, 20		 1, 8, 9, 10, 15, 16, 18, 20

					[]	
Sensitive Air/Noise Receptors						
Min. Distance (Linear Feet)	420	420	20	50	50	50
Location	Residences on Logan Drive.	Residences on Logan Drive.	Residences on Logan Drive.	Residences on Logan Drive.	Residences on Logan Drive.	Residences on Logan Drive.
D&R Canal Park Proximity - Min. Dist. (Ft)	550	350	350	350	350	N/A
Known/Potential Hazardous						
Waste Sites	Alignment traverses dump site	Alignment traverses dump site	Alignment traverses dump site	Alignment traverses dump site	Alignment traverses dump site	Alignment traverses dump site
	on Sarnoff property near	on Sarnoff property near	on Sarnoff property near	on Sarnoff property near	on Sarnoff property near	on Sarnoff property near
	Little Bear Brook. Leaking USTs	Little Bear Brook. Leaking USTs	Little Bear Brook. Leaking USTs	Little Bear Brook. Leaking USTs	Little Bear Brook. Leaking USTs	Little Bear Brook. Leaking USTs
	at Exxon Station.	at Exxon Station.	at Exxon Station.	at Exxon Station.	at Exxon and Sunoco Stations.	at Sunoco and Exxon Stations.
Traffic and Engineering						
Considerations	1 grade- separated interchange	1 grade- separated interchange	1 grade- separated interchange;	1 grade- separated interchange;	1 grade- separated interchange;	1 grade- separated interchange;
	located south of PSE&G substation;	located south of PSE&G substation.	overpass between Logan and	overpass between Sunoco and	overpass between Sunoco and	overpass between Sunoco and
	maintains traffic distribution; not all	Maintains traffic distribution.	PSE&G maintains traffic distribution.	Logan; maintains traffic distribution.	Eden; maintains traffic distribution.	Eden; maintains traffic distribution.
	turning movements are provided at	3 traffic signals on Rel. Rt 571; Harrison	4 traffic signals on Rel. Rt 571; Harrison St	4 traffic signals on Rel. Rt 571	4 traffic signals on Rel. Rt 571.	3 traffic signals on Rel. Rt 571.

interchange; uses Harrison St	St would be left open for WB turns from SB	cul de sac.	1	Harrison St. cul de sac.	Harrison St. cul de sac.
571 from	Rt 1, though interchange would				
signals on	provide same movement (undesirable).				