



Department of Conservation & Natural Resources

Joe Lombardo, *Governor* James A. Settelmeyer, *Director* Jennifer L. Carr, *Administrator* 

#### **Clean Water Act Section 401 Water Quality Certification Application**

Please refer to the "Clean Water Act Section 401 Water Quality Certification Application Guidance" document for assistance with completing this application.

A. Pre-Filing Meeting						
Please provide the date that a pre-filing meeting was requested from Nevada Division of Environmental Protection (NDEP) Bureau of Water Quality Planning (BWQP).	The Pre-Filing Meeting was requested on 10/24/24. The Pre-Filing Meeting was held on 11/7/24.					
Note: If a pre-filing meeting has not been requested, please schedule a pre-filing meeting with NDEP BWQP.						

B. Contact Information				
Project Proponent Information	on			
Company Name: Nevada Dep	artment of Transportation	Address: 1263 South Stewart Street		
Applicant Name: My-Linh Ngu	ıyen	City: Carson City		
Phone: 775-888-7686	Fax:	State: Nevada		
Email: mnguyen@dot.nv.gov	·	Zip Code: 89712		
Agent Information				
Company Name:		Address:		
Agent Name:		City:		
Phone:	Fax:	State:		
Email:		Zip Code:		

C. Project General Information				
Project Location				
Project/Site Name: US-395 Carson Valley Project		Name of receiving waterbody: Heybourne Ditch and an unnamed, relatively permanent, tributary to Carson River		
Address: US-395 (MP DO 30.374) & SR-759 (MP DO 0.998)		Type of waterbody present at project location ( <i>select all that apply</i> ):		
City: Minden		<ul> <li>Perennial River or Stream</li> <li>Intermittent River or Stream</li> <li>Ephemeral River or Stream</li> <li>Lake/Pond/Reservoir</li> <li>Wetherd</li> </ul>		
County: Douglas				
State: Nevada		<ul> <li>Wetland</li> <li>Other: <u>Heybourne Ditch (Irrigation Ditch)</u></li> </ul>		
Zip Code: N/A				
Latitude (UTM or Dec/Deg):		Longitude (UTM or Dec/Deg):		
DO 30.374) 39.0616576°N		DO 30.374) 119.7799644°W		
DO 0.998) 39.0010664°N		DO 0.998) 119.7612166°W		
Township:	Range:	Section:	¼ Section:	
DO 30.375) 014N	DO 30.375) 020E	DO 30.375) 019	DO 30.375) SW	

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			Page 2 of 6	
DO 0.998) 013N	DO 0.998) 020E	DO 0.998) 008	DO 0.998) SW	
Project Details				
Project purpose:		Mill and Overlay with Hydraul installation of class 400 riprap 30.374 and culvert extension SR-759 at milepost DO 0.998.	ic improvements which include apron on US-395 at milepost DO and type II headwall installation on	
Describe current site conditions: Attachments can include, but an data, photographs that represen other relevant documentation.	e not limited to, relevant site nt current site conditions, or	US-395 at milepost DO 30.374 conveys an unnamed, relatively permanent, tributary to the Carson River via 8' x 3' and 10' x 4' reinforced concrete box culverts. A scour hole has formed at the outfall of these box culverts. The proposed riprap apron will help address erosion at this outfall. SR-759 at milepost DO 0.998 conveys Heybourne Ditch via a 10' x 5' reinforced concrete box culvert. This irrigation ditch diverts Carson River water to support agricultural fields and returns the excess irrigation water to the Carson River via Ambrosetti Pond/Creek. The culvert requires extension to support road widening to accommodate increased traffic to the Minden		
		All port.		
Describe the proposed activity in project element:	ncluding methodology of each	See Attachment B for more de Improvements include installa US-395 at milepost DO 30.374 headwall installation on SR-75 Class 400 riprap apron will be existing 8' x 3' reinforced cond x 4' reinforced box culvert (CL US-395. An unnamed, relative Carson River (thus a presumed be impacted below the ordina excavation and grading for the Work will be conducted within (OHWM) of Waters of the U.S authorization and 401 Water will proceed during dry chann during late summer/fall.	etails. ation of class 400 riprap apron on 4 and culvert extension and type II 59 at milepost DO 0.998. constructed at the outfalls to the crete box culvert (CLH778) and 10' H779) at milepost DO 30.374 on ely permanent, tributary to the d Waters of the United States) will ary high watermark from e installation of the riprap apron. In the ordinary high watermark . (WOUS), warranting Section 404 Quality Certification. Construction el conditions, which is expected	
		As part of the culvert extension (PIP19195) at milepost DO 0.9 extended 12' at the outlet and installed at the outlet. This cul- which will be impacted below the culvert lengthening, and t irrigation ditch diverts water f it to the Carson River (via Amb considered a Waters of the Un conducted within the ordinary Waters of the U.S. (WOUS), w authorization and 401 Water gates will be closed to facilitat	on for the existing 10' x 5' culvert 998 on SR-759, the culvert will be d a new type II headwall will be ulvert conveys Heybourne Ditch the ordinary high watermark from ype II headwall installation. This from the Carson River and returns brosetti Pond/Creek), thus nited States. Work will be y high watermark (OHWM) of rarranting Section 404 Quality Certification. Irrigation te dry channel during construction.	

	1) Project improvements will excavate native material in the stream channel to place geotextile fabric, class 400 riprap bedding and class 400 riprap apron at the reinforced concrete box culvert outlets. The reinforced concrete box culverts (CLH778 & CLH779) are located at Douglas County (DO) milepost 30.374 (DO 30.374) and conveys an unnamed, relatively permanent, tributary to the Carson River.
	2) Project improvements will extend the existing box culvert 12' and install a type II headwall at the extension outlet. Project improvements will excavate native material to place granular backfill (culvert bedding) and install a 12' box culvert extension. A type II headwall will be installed at the outlet of the new culvert extension. The headwall will be cast in place, while the culvert extension may be either pre-cast or cast in place per contractor preference. The reinforced concrete box culvert (PIP19195) is located at Douglas County (DO) milepost 0.998 (DO 0.998) on SR-759 and conveys the Heybourne Ditch.
	Improvements require excavation, grading, installation of geotextile, class 400 riprap bedding, class 400 riprap apron, granular backfill (culvert bedding), culvert extension, native material backfill and type II headwall within the OHWM of the channel.
	The expected equipment for this project includes an excavator, loader, concrete truck, vactor truck and legal haul trucks.
Estimate the nature, specific location, and number of discharge(s) expected to be authorized by the proposed activity:	<ul> <li>The project will result in a discharge of fill material within the ordinary highwater mark at the following two locations:</li> <li>1) At US-395 MP DO 30.374 within an unnamed relatively permanent tributary to the Carson River to install a Class 400 riprap apron.</li> <li>2) At SR-759 MP DO 0.998 within Heybourne Ditch to facilitate a reinforced concrete box culvert extension and type II headwall installation.</li> </ul>
Provide the date(s) on which the proposed activity is planned to begin and end and the approximate date(s) when any discharge(s) may commence:	Project construction is expected to begin in July 2025 and anticipated to be complete in October 2026; however, work within the ordinary highwater mark at US-395 MP DO 30.374 and SR-759 MP DO 0.998 is expected to be completed in 2 and 10 days respectively and be performed during dry stream channel conditions, which is expected during late summer/fall.
Provide a list of the federal permit(s) or license(s) required to conduct the activity which may result in a discharge into regulated waters (see mandatory attachments):	Department of Army Nationwide Permit 3 issued by the U.S. Army Corps of Engineers (non-notification).
Provide a list of all other federal, state, interstate, tribal, territorial, or local agency authorizations required for the proposed activity and the current status of each authorization:	Stormwater Construction General Permit issued by the Nevada Division of Environmental Protection (NDEP).
	Temporary Working in Waterways Permit issued by the NDEP.
	Contractor to procure permits prior to construction.

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Total area of impact to regulated waterbodies (acres):	0.02		
	See attached Tables 1-3 for	more details.	
Total distance of impact to regulated waterbodies (linear feet):	33		
	See attached Tables 1-3 for	more details.	
Amount excavation and/or fill discharged within regulated	Temporary:	Permanent:	
waters (acres, linear feet, and cubic yards):	0 See attached Tables 1-3	0 See attached Tables 1-3	
Amount of dredge material discharged within regulated	Temporary:	Permanent:	
waters (acres, linear feet, and cubic yards):	0 See attached Tables 1-3	136 cu yds See attached Tables 1-3	
Describe the reason(s) why avoidance of temporary fill in regulated waters is not practicable (if applicable):	N/A		
Describe the Best Management Practices (BMPs) to be implemented to avoid and/or minimize impacts to regulated waters: Examples include sediment and erosion control measures, habitat preservation, flow diversions, dewatering, hazardous materials management, water quality monitoring, equipment or plans to treat, control, or manage discharges, etc.	The project was designed to minimal net loss below the Construction site BMP imple sediment control and good concrete and material stock "Nevada Department of Tra Best Management Practices found at https://www.dot.m locations of installation are Pollution Prevention Plan (S construction for late summe will provide a 'dry' channel f Construction activities will a the Stormwater Construction Working in Waterways Perm issued by the NDEP and incl inspections and requirement implementation. Construction access ingress, fueling locations and concre- identified at the 60% plan led during construction by requi by the NDOT Resident Engin sequence of work and the p The contractor will implement to prevent material from en- events. Construction will be road shoulders when feasib construction equipment fro	<ul> <li>minimize disturbance by providing ordinary high watermark.</li> <li>ementation, notably temporary housekeeping measures (including spile management), will follow the nsportation 2017 Construction Site 5 (BMPs) Manual", which can be twigger.</li> <li>Specific BMP details and outlined in the Storm Water WPPP). Note, scheduling er/fall and closing of irrigation gates for construction purposes.</li> <li>Also adhere to the requirements of on General Permit and Temporary nits (as applicable), both of which are ude routine construction site ats for pollution control measure</li> <li>egress, stockpile areas, equipment ete clean out areas have not been evel and are generally determined test of the contractor and approval heer (R.E.) depending on the roject schedule.</li> <li>ent nonstructural BMPs such as National Weather Service to help cion events and prepare accordingly tering the waterways during runoff e performed from paved surfaces and le. The contractor will remove m waterways in preparation for</li> </ul>	

Internal Use Only: NV 401 - \_\_\_\_ - \_\_\_\_ Page 5 of 6

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	precipitation events and monitor site BMPs before and after for structural integrity. Waste materials to be transported off site and not permitted to discharge into Waters of the U.S. Concrete wash outs and equipment clean-up will be located a minimum of 100 ft from the waterways. Materials will not be stockpiled in the channels. Appropriate mitigation measures for stockpile management will be implemented (e.g., material stockpiles will be located a minimum of 100 ft of waterways)
Describe how the activity has been designed to avoid and/or minimize adverse effects, both temporary and permanent, to regulated waters:	While excavation and fill activities occur within the OHWM and is considered an aquatic resource "loss", the class 400 riprap apron installation, culvert extension and type II headwall installation will match the existing channel grades. Pre- construction stream flow paths will be maintained whenever possible. Class 400 riprap apron reduces scour at the culvert outlet and sediment deposition downstream.
Describe any compensatory mitigation planned for this project (if applicable):	N/A

D. Signature					
Name and Title (Print):	Phone Number:	Date:			
My-Linh Nguyen, P.E., Ph.D.	775-888-7686	12/03/2024			
DocuSigned by: My-Linh Nguyen 500EF0E7EAID428 Signature of Responsible Official	_				

#### **Mandatory Attachments:**

- Federal Permit or License Identification:
  - Project proponents seeking a federal general permit or license must include a copy of the draft federal license or permit and any readily available water quality-related materials that informed the development of the draft federal license or permit, or;
  - Project proponents seeking a federal individual permit or license must include a copy of the federal permit or license application and any readily available water guality-related materials that informed the development of the federal license or permit application.
- Site Map A map or diagram of the proposed project site including project boundaries in relation to regulated waters, local streets, roads, and highways.
- Engineered Drawings Engineered drawings are preferred to be submitted at the 70% design level. If only conceptual designs are available at the time of application, plans for construction should be submitted prior to

the start of the project. Specific locations of the proposed activities and details of specific work elements planned for the project should be identified (e.g., staging areas, concrete washouts, perimeter controls, water diversions, or other BMPs).

Submit the completed application materials to NDEP (<a href="mailto:ndep401@ndep.nv.gov">ndep401@ndep.nv.gov</a>) with the appropriate U.S. Army Corps ofEngineersRegulatoryOfficecopiedonthecommunication(<a href="http://www.spk.usace.army.mil/Missions/Regulatory/Contacts/Contact-Your-Local-Office/">http://www.spk.usace.army.mil/Missions/Regulatory/Contacts/Contact-Your-Local-Office/</a>).

Table 1. Quantity of wetlands, streams, or other types of waters directly affected by proposed Section 404/401 permitting activities. DO 30.374, US-395 (MP DO 30.374)

Area	Linear Ft.	Dredged or Discharged (Yd <sup>3</sup> )	Permanent WOUS Impact <sup>1</sup> (Acres)	Temporary WOUS Impact (Acres)	Fill Material
Class 400 Riprap Apron	18	90	0.014	0	Class 400 Riprap, Riprap Bedding, Geotextile
Impact Totals	18	90	0.014	0	Class 400 Riprap, Riprap Bedding, Geotextile

<sup>&</sup>lt;sup>1</sup> Aquatic Resource "Loss"

Table 2. Quantity of wetlands, streams, or other types of waters directly affected by proposed Section 404/401 permitting activities. DO 0.998, SR-759 (MP DO 0.998)

Area	Linear Ft.	Dredged or Discharged (Yd <sup>3</sup> )	Permanent WOUS Impact <sup>2</sup> (Acres)	Temporary WOUS Impact (Acres)	Fill Material
Outlet Culvert Extension	11	34	0.005	0	Native Material, Concrete, Reinforcing Steel, Granular Backfill
Outlet Type II Headwall	4	12	0.001	0	Concrete, Reinforcing Steel, Granular Backfill
Impact Totals	15	46	0.006	0	Native material, Concrete, Reinforcing Steel, Granular Backfill

<sup>&</sup>lt;sup>2</sup> Aquatic Resource "Loss"

Area	Linear Ft.	Dredged or Discharged (Yd <sup>3</sup> )	Permanent WOUS Impact <sup>3</sup> (Acres)	Temporary WOUS Impact (Acres)	Fill Material
DO 30.374 US-395 (MP DO 30.374)	18	90	0.014	0	Class 400 Riprap, Riprap Bedding, Geotextile
DO 0.998 SR-759 (MP DO0.998)	15	46	0.006	0	Native material, Concrete, Reinforcing Steel, Granular Backfill
Total Impacts US-395 Carson Valley	33	136	0.02	0	Class 400 Riprap, Riprap Bedding, Geotextile, Native material, Concrete, Reinforcing Steel, Granular Backfill

Table 3. Waters of the U.S. Impacts Summary Table US-395 Carson Valley

<sup>&</sup>lt;sup>3</sup> Aquatic Resource "Loss"

Attachment B Figures and Pre-Construction Photos



Figure 1. Location Map



Figure 2. Vicinity Map



Figure 3. DO 30.374 Aerial Map



Figure 4. DO 30.374 Topographic Map



Figure 5. DO 30.374 Impacts Map



Figure 6. DO 0.998 Aerial Map



Figure 7. DO 0.998 Topographic MapSR-759



Figure 8. DO 0.998 Impacts Map



Photopoint 1 – DO 30.374 Outlet looking West (upstream).



Photopoint 2 – DO 30.374 Outlet looking East (downstream).



Photopoint 3 – Heybourne Ditch outlet looking South (upstream).



Photopoint 4 – Heybourne Ditch outlet looking North (downstream).

Attachment C Plan Sheets









			NOTES: 1. Quantities shown are cubic yards of concrete and pounds of steel for one Type II Headwall. 2. For culvets with more than three cells, cuantities may be determined by adding														ls, Jing	NEVADA DEPARTME OF TRANSPORTATI									
Image: 1	and dou quantiti															and double quantities for	double box concrete/reinforcing ntitles for each additional cell.										
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$\frac{1}{2} + \frac{1}{2} + \frac{1}$		3	9.96	1196.6	10.12	1205.5	10.79	1280.2	12.27	1451.7	12.21	1474.9	12.46	1497.2	13.38	1604.6	15.42	1865.6	14.04	1731.7	14.35	1760.3	15.49	1898.9	18.01	2219.3	ADOPTED 11/1970
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1         1         100         110         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100		3	10.31	1324.9	10.49	1343.4	11.19	1428.5	12.76	1636.0	13.40	1703.9	13.67	1748.8	14.71	1878.2	17.01	2159.9	15.57	2021.5	15.93	2077.9	17.23	2244.9	20.09	2616.3	-
4         5         2         10         400         20.0         70.0         90.0         70.0         90.0         70.0         90.0         70.0         90.0         70.0         90.0         70.0         90.0         70.0         90.0         70.0         90.0         70.0         90.0         70.0         90.0         70.0         90.0         70.0         90.0         70.0         90.0         70.0         90.0         70.0         90.0         70.0         90.0         70.0         90.0         70.0         90.0         70.0         90.0         70.0         90.0         70.0         90.0         70.0         90.0         70.0         90.0         70.0         90.0         70.0         90.0         70.0         90.0         70.0         90.0         70.0         90.0         70.0         90.0         70.0         90.0         70.0         90.0         70.0         90.0         70.0         90.0         70.0         90.0         70.0         90.0         70.0         90.0         70.0         90.0         70.0         70.0         70.0         70.0         70.0         70.0         70.0         70.0         70.0         70.0         70.0         70.0         70.0		4	13.99 18.33	1718.5 2284.1	14.19	1737.8 2294.9	15.06 19.61	1851.9 2433.9	17.04	2067.8	17.19	2108.4 2687.8	17.49	2158.8	18.71 23.39	2300.3 2897.4	21.43 26.61	2630.4 3316.7	19.37 23.83	2431.8 3017.0	19.74	2493.8 3079.3	21.22 25.90	2673.7 3277.4	24.51 29.68	3094.9 3783.0	9/20
10         10         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100	8	6	23.61	3493.4	23.83	3509.1	25.10	3699.3	28.10	4122.8	27.06	3968.1	27.38	3996.5	29.02	4234.5	32.80	4759.5	29.23	4303.0	29.63	4343.5	31.53	4621.2	35.88	5233.9	SED 022
10         10.0         10.50         10.0         10.56         10.0         10.56         10.0         10.56         10.0         10.56         10.0         10.56         10.0         10.56         10.0         10.56         10.0         10.56         10.0         10.56         10.0         10.56         10.56         10.56         10.57         10.56         10.56         10.57         10.56         10.57         10.56         10.56         10.57         10.56         10.56         10.56         10.57         10.56         10.57         10.56         10.57         10.56         10.57         10.56         10.57         10.56         10.57         10.56         10.57         10.56         10.57         10.56         10.57         10.56         10.57         10.56         10.57         10.56         10.57         10.56         10.57         10.56         10.57         10.56         10.57         10.56         10.57         10.56         10.57         10.57         10.57         10.57         10.57         10.57         10.57         10.57         10.57         10.57         10.57         10.57         10.57         10.57         10.57         10.57         10.57         10.55         10.57         10.55		8	30.19 40.43	4313.9 5241.0	40.63	4356.1 5287.5	31.99 42.55	4558.5	35.69	6105.6	33.80 44.25	4808.2 5754.9	34.15 44.56	4826.0	36.08 46.86	5083.6 6079.3	40.60	6783.2	46.42	5148.9 6101.5	36.40 46.81	5179.0 6168.5	38.59 49.38	5477.0 6479.4	43.68	6169.3 7274.0	
10         0         10         0         10         0         20         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00		3	11.10	1535.9	11.30	1556.6	12.09	1668.8	13.85	1924.4	15.17	2128.3	15.50	2165.6	16.73	2330.4	19.43	2715.7	17.98	2557.7	18.41	2616.6	19.97	2834.2	23.40	3331.4	ESTIMATE OF TYPE II HE
10         2         2         2         4         3         10         4         4         3         10         4         3         10         4         3         10         4         3         10         4         10         3         10         4         10         3         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         1		5	19.18	2533.4	19.42	2547.1	20.58	2715.7	23.23	3063.1	22.65	3035.4	23.01	3094.9	24.55	3291.1	22.00	3789.8	25.33	3483.3	25.78	3561.4	27.64	3805.2	31.82	4422.4	
1         1         1         0         0550         1.00         0550         0.23.4         0.402         0577         0.32         713.3         07.33         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         051.3         050.3         051.3         050.3	10	6	24.49	3762.2	24.74	3814.8	26.11 33.04	4002.3	29.31	4475.3 5408.1	28.06	4334.4	28.42	4372.2	30.18	4648.6	34.22	5255.7 6199.5	30.74	4789.5	31.19	4846.1 5702.1	33.27 40.33	5170.9 6042.1	38.01 45.81	5898.4 6858.7	
via         0.04         700.3         61.8         700.3         60.0         67.4         64.2         707.3         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2         64.2 <th67.2< th="">         64.3         64.2         <t< td=""><td></td><td>8</td><td>41.40</td><td>5547.9</td><td>41.63</td><td>5605.0</td><td>43.66</td><td>5845.5</td><td>48.57</td><td>6504.6</td><td>45.25</td><td>6158.7</td><td>45.60</td><td>6223.4</td><td>48.02</td><td>6527.7</td><td>53.82</td><td>7319.3</td><td>47.93</td><td>6628.0</td><td>48.37</td><td>6718.5</td><td>51.12</td><td>7073.0</td><td>57.60</td><td>7982.1</td></t<></th67.2<>		8	41.40	5547.9	41.63	5605.0	43.66	5845.5	48.57	6504.6	45.25	6158.7	45.60	6223.4	48.02	6527.7	53.82	7319.3	47.93	6628.0	48.37	6718.5	51.12	7073.0	57.60	7982.1	
1         1         1         228         1897.8         1         22.8         1897.8         1         22.8         1897.8         1         22.00         3187.7         21.00         3187.7         21.00         3187.7         21.00         3187.7         21.00         3187.7         21.00         3182.7         72.20         418.5         312.2         72.55         4191.5         312.2         72.55         4191.5         312.2         72.55         4191.5         312.2         72.55         4191.5         312.2         72.55         4191.5         312.2         72.55         4191.5         312.2         72.55         4191.5         312.2         72.55         4191.5         312.2         72.50         1191.7         42.01         44.02         40.01         44.25         62.03         691.5         34.3         690.6         71.2         71.0         690.6         71.01         72.50         1107.7         11.03         1107.7         11.03         1107.7         11.03         1107.7         1107.7         1107.7         1107.7         1107.7         1107.7         1107.7         1107.7         1107.7         1107.7         1107.7         1107.7         1107.7         1107.7         1107.27         100.0		9	50.94 59.66	7031.5 9306.9	51.18 59.91	7089.2 9353.8	53.59 62.69	7413.3 9769.5	59.50 69.52	8234.4	54.92 63.74	7679.3 9998.6	55.29 64.12	7751.5	58.11 67.31	8142.1 10474.3	64.92 75.05	9091.3 11630.2	57.60 66.42	8155.7 10482.2	58.06 66.89	8247.6 10563.8	61.21 70.40	8689.1 11029.5	68.71 78.84	9764.2 12313.2	
100         100         100         200         100         200         100         200         100         200         100         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200 <td rowspan="6">12</td> <td>3</td> <td>12.29</td> <td>1837.6</td> <td>12.52</td> <td>1889.1</td> <td>13.43</td> <td>2023.5</td> <td>15.44</td> <td>2323.5</td> <td>17.27</td> <td>2603.3</td> <td>17.67</td> <td>2653.1</td> <td>19.11</td> <td>2891.1</td> <td>22.29</td> <td>3357.7</td> <td>20.78</td> <td>3195.7</td> <td>21.30</td> <td>3261.7</td> <td>23.17</td> <td>3568.5</td> <td>27.25</td> <td>4191.5</td>	12	3	12.29	1837.6	12.52	1889.1	13.43	2023.5	15.44	2323.5	17.27	2603.3	17.67	2653.1	19.11	2891.1	22.29	3357.7	20.78	3195.7	21.30	3261.7	23.17	3568.5	27.25	4191.5	
12         6         25.96         4205.7         24.26         24.78         4440.9         31.26         504.4         31.37         32.00         511.5         35.03         582.2         38.13         623.4         43.79         713.02         43.79         713.02         43.79         713.03         43.71         513.35         352.3         351.9         727.1         513.9         52.86         938.35         623.4         43.79         713.03         42.86         775.7         53.46         737.7         513.9         85.07         737.7         513.9         85.07         737.7         513.9         85.07         737.7         513.9         85.07         737.7         513.9         85.07         737.7         513.9         85.07         737.7         513.9         85.07         737.7         513.9         85.07         737.7         513.9         85.07         737.7         513.9         85.07         737.7         513.9         85.07         737.7         513.9         85.07         737.7         513.9         85.07         737.7         513.9         85.07         737.7         513.9         85.07         737.7         737.7         737.7         737.7         737.7         737.7         737.7 <t< td=""><td>4</td><td>20.55</td><td>2890.8</td><td>20.83</td><td>2334.3</td><td>22.12</td><td>3116.8</td><td>25.05</td><td>3562.5</td><td>25.92</td><td>3073.2</td><td>26.37</td><td>3150.4</td><td>23.32</td><td>4057.1</td><td>32.37</td><td>4685.2</td><td>24.78</td><td>4340.4</td><td>30.01</td><td>4442.2</td><td>32.27</td><td>4070.3</td><td>31.92</td><td>4752.2 5542.9</td></t<>		4	20.55	2890.8	20.83	2334.3	22.12	3116.8	25.05	3562.5	25.92	3073.2	26.37	3150.4	23.32	4057.1	32.37	4685.2	24.78	4340.4	30.01	4442.2	32.27	4070.3	31.92	4752.2 5542.9	
12       8       61.17       6001.5       43.44       6112.2       44.62       400.9       50.07       714.69       40.20       710.1       40.80       712.0       50.11       710.7       53.46       770.7       53.46       770.7       53.46       770.7       53.46       770.7       53.46       770.7       53.46       770.7       53.46       770.7       53.46       770.7       53.46       770.7       53.46       770.7       53.46       770.7       53.46       770.7       53.46       770.7       53.46       770.7       53.46       770.7       53.46       770.7       53.46       770.7       53.46       770.7       53.46       770.7       770.7       770.7       770.7       770.7       770.7       770.7       770.7       770.7       770.7       770.7       770.7       770.7       770.7       770.7       770.7       770.7       770.7       770.7       770.7       770.7       770.7       770.7       770.7       770.7       770.7       770.7       770.7       770.7       770.7       770.7       770.7       770.7       770.7       770.7       770.7       770.7       770.7       770.7       770.7       770.7       770.7       770.7       770		6	25.96	4205.7	26.25	4248.8	27.76	4490.9 5370.6	31.26	5046.4 6008.2	31.54	5133.7 6048 7	32.00	5197.5	34.08	5528.6 6450.7	38.83	6264.4 7318.0	35.06	5751.5	35.63	5832.3	38.13 45.50	6235.4 7173.7	43.79	7134.2	
9         9         62.85         65.71         809.45         61.97         809.45         61.97         809.45         61.97         809.45         61.97         809.45         61.97         809.45         61.97         809.45         61.97         809.45         61.97         809.45         61.97         909.45         81.91         11762.7         72.25         1160.31         72.65         1160.31         72.65         1160.31         72.65         1160.31         72.65         1160.31         72.65         1160.31         72.65         1160.31         72.65         1160.31         72.65         1160.31         72.65         1160.31         72.65         1160.31         72.65         1160.31         72.65         1160.31         72.65         1160.31         72.65         1160.31         72.65         1160.31         72.65         1160.31         72.65         1160.31         72.65         1160.31         72.65         1160.31         72.65         1160.31         72.65         1160.31         72.65         1160.31         72.65         1160.35         60.16         60.32         117.7         1160.35         60.16         120.25         66.76         120.27         70.70         100.28         107.71         120.25         100.25 <td>8</td> <td>43.17</td> <td>6061.8</td> <td>43.44</td> <td>6132.2</td> <td>45.62</td> <td>6409.9</td> <td>50.87</td> <td>7145.9</td> <td>49.36</td> <td>7071.0</td> <td>49.82</td> <td>7126.9</td> <td>52.61</td> <td>7527.0</td> <td>59.19</td> <td>8458.0</td> <td>52.88</td> <td>7705.7</td> <td>53.46</td> <td>7779.3</td> <td>56.67</td> <td>8259.8</td> <td>64.16</td> <td>9351.7</td>		8	43.17	6061.8	43.44	6132.2	45.62	6409.9	50.87	7145.9	49.36	7071.0	49.82	7126.9	52.61	7527.0	59.19	8458.0	52.88	7705.7	53.46	7779.3	56.67	8259.8	64.16	9351.7	
In         11         73.74         1193.20         77.82         1030.1         89.99         1322.1         89.99         1322.1         99.91         1271.07         95.39         1444.40         84.33         1330.8.8         84.99         1338.4         99.52         1414.40         84.33         1330.8.8         84.99         1338.4         99.52         1414.40         84.33         1330.8.8         84.99         1338.4         99.52         1414.40         84.33         1330.8.8         84.99         1338.4         99.52         1414.40         84.33         1330.8.8         84.99         1338.4         99.52         141.4         143.8         100.38         1177.8         112.8         200.8         81.7         117.1         81.8         91.7         201.7         100.8         201.7         107.8         201.7         107.8         100.8         652.8         621.2         62.3         85.9         144.9         93.33         66.06         101.2         43.86         101.8         45.7         77.7         108.3         100.8         201.7         100.7         100.8         201.7         100.7         100.8         66.76         1027.3         70.72         108.78         102.9         101.12.3         40.06		9	52.85 61.66	7598.3 9933.6	53.13 61.97	7669.9	55.71 64.92	8034.5 10383.4	61.98	8935.9	59.36 68.39	8685.9	59.84 68.89	8733.7	63.05 72.49	9185.8 11681.3	70.70	10335.9	62.88	9329.0	63.48 72.53	9394.9 11803.1	67.11 76.54	9921.9 12433.6	75.66	11241.5 13906.9	
12         04.30         1000.83         04.71         1795.20         0561.2         33.68         0562.4         33.68         0568.2         33.78         0468.2         35.76         657.1         41.13         070.84         2099.3         112.33         2300.8         114.30         705.2         447.7         141.16         70.3         55.55         557.1         41.13         070.3         650.4         33.86         0671.2         77.44         143.8         705.2         45.86         657.1         41.13         070.5         657.1         41.14         10.73         252.4         13.86         13.22         23.86         27.77         80.83         45.22         678.1         41.13         070.5         43.86         713.29         50.00         808.8         41.85         670.1         43.86         713.29         50.00         55.55         87.73         56.62         601.6         613.73         70.8         52.25         778.1         52.25         778.1         52.25         778.1         57.71         123.9         60.66         1012.86         61.81         50.00         183.0         50.00         183.0         50.00         103.87         100.98         90.90         100.98         90.90         100.		11	73.74	11494.9	74.07	11535.0	77.52	12032.1	85.99	13292.1	80.81	12720.8	81.34	12716.7	85.46	13374.6	95.39	14844.0	84.33	13380.8	84.98	13395.4	89.52	14136.7	100.36	15773.6	
7         34.29         561.23         34.64         564.80         36.56         567.14         41.13         667.12         778.1         55.20         200.00         808.00         45.02         741.11         45.73         752.02         48.86         804.84         55.98         927.10           9         54.72         622.84         55.06         625.85         57.79         866.27         64.41         9700.3         61.84         920.8         62.28         920.8         72.21         630.8         1022.6         66.76         1022.7         70.72         1087.3         80.00         123.9         66.08         1012.6         66.76         1027.3         80.02         132.94         90.05         117.15         71.82         1187.6         73.7         1240.5         84.42         133.86         112.8         66.08         1012.6         66.76         1027.3         80.02         132.94         90.05         150.96         10.50         150.96         10.50         150.96         10.50         150.96         10.50         117.5         113.76         122.84         134.76         84.74         144.54         86.77         143.24         10.50         1150.96         1150.96         132.72         122.33	<u> </u>	6	27.42	4698.9	27.74	4739.9	29.38	5024.9	33.18	5652.4	33.68	5688.8	34.20	5771.0	36.50	6151.1	41.74	7038.9	37.90	6468.2	38.57	6579.1	41.38	7055.2	47.71	8141.6	A So
0         54.72         8226.4         56.6         2255.2         67.79         8062.7         04.41         9709.3         61.84         9320.8         62.39         9435.2         65.84         9949.3         74.03         10230.6         66.76         10270.7         70.72         10887.3         60.00         12384.7           10         63.83         10625.3         63.99         10628.2         67.10         1112.0         74.67         12327.8         70.95         1107.15         71.52         1107.6         75.37         1228.7         80.25         13349.9         90.50         15091.1         74.87         12327.8         70.95         10341.6         84.7         14415.4         98.7         14415.4         98.7         14415.4         98.7         14415.4         98.7         15016.2         67.7         70.72         10887.3         80.00         12384.7           12         86.86         1884.5         1475.8         12282.4         88.37         14415.4         98.97         15816.2         67.7         12235.1         88.47         14323.6         98.42         21039.4         93.5         1506.1         104.94         149.99         2457.5         137.82         207.0         124.83         300.	14	7	34.29	5612.3	34.64	5649.6 6671.2	36.59	5951.4 7032.2	41.13	6671.2 7854.7	40.80	6628.9 7676.3	41.35	6701.9 7788 1	43.98	7132.9	50.00 62.38	8088.0	45.02	7418.1	45.73	7520.2	48.86	8048.4 9137.0	55.98 68.36	9211.0 10445 9	UANTITIES
14       10       63.83       100282.5       63.99       100282.2       67.01       11123.0       74.67       1227.8       70.95       1127.5.3       80.25       1342.9.9       90.50       1501.1         12       96.58       1282.9.3       76.24       1282.54       88.74       1415.4       99.97       1516.6       75.77       12490.5       84.72       1425.4       88.74       143.04       99.90.5       1510.61.1       104.94       169.90.2       104.94       169.90.2       177.52       111.71.5       218.04       201.90.5       90.44       210.94.4       99.42       210.94.4       99.42       210.95.5       104.77       2208.9       101.94       169.90.2       177.52       147.75.8       122.92.7.4       111.37       2055.0       114.75.4       126.90.2       120.00       199.05       199.01       125.98       202.07.0       138.48       130.57       2400.8       145.99       266.0.3       145.99       266.0.3       145.99       266.0.3       145.99       266.0.3       145.99       266.0.3       145.99       266.0.3       145.99       266.0.3       145.99       266.0.3       145.99       266.0.3       145.99       266.0.3       145.99       266.0.3       145.99       356.0.4 <td>9</td> <td>54.72</td> <td>8226.4</td> <td>55.06</td> <td>8255.8</td> <td>57.79</td> <td>8662.7</td> <td>64.41</td> <td>9709.3</td> <td>61.84</td> <td>9320.8</td> <td>62.39</td> <td>9435.2</td> <td>65.84</td> <td>9949.3</td> <td>74.03</td> <td>11233.9</td> <td>66.06</td> <td>10129.6</td> <td>66.76</td> <td>10273.7</td> <td>70.72</td> <td>10887.3</td> <td>80.00</td> <td>12384.7</td>		9	54.72	8226.4	55.06	8255.8	57.79	8662.7	64.41	9709.3	61.84	9320.8	62.39	9435.2	65.84	9949.3	74.03	11233.9	66.06	10129.6	66.76	10273.7	70.72	10887.3	80.00	12384.7	
12       96.58       1884.5       86.98       19841.1       91.06       19530.8       101.06       21540.3       94.41       20201.3       96.04       20190.5       99.89       21121.9       111.55       23383.3       96.64       21039.4       99.42       21039.5       104.77       22093.9       117.52       2457.5         13       111.11       20524.7       111.37       20550.0       116.26       21374.3       128.54       23529.7       119.0       21990.0       120.00       21949.0       125.68       23020.3       139.71       254.42       123.73       22736.0       124.38       22828.1       130.57       24003.6       145.69       26640.3         14       125.10       28443.9       125.38       29407.9       130.84       30532.1       144.59       33540.0       133.59       31197.8       140.36       3241.2       155.85       35724.5       137.82       32057.0       138.48       32087.0       145.24       33435.8       181.83       36944.5         CH-7B       VIII 100       119.78       140.36       3241.2       155.85       35724.5       137.82       32057.0       138.48       32087.0       145.24       33435.8       181.83       36944		10	63.63 75.86	10625.3 12229.3	63.99 76.24	10628.2 12282.3	67.10 79.87	11123.0 12825.4	74.67	12327.8	70.95	11771.5 13406.7	71.52 84.09	11876.6 13491.6	75.37 88.47	12480.5 14145.4	84.52 98.97	13926.5 15818.2	75.17 87.72	12590.1 14235.1	75.89 88.47	12725.3 14350.4	80.25 93.35	13429.9 15106.1	90.50 104.94	15091.1 16990.2	
13       111.11       2058/.7       111.37       2050.0       116.26       213/4.3       126.34       230/.7       130.71       25434.2       123.73       22/36.0       124.35       260/.5       130.77       24003.5       145.99       20000.3         14       125.10       29443.9       125.38       29407.9       130.84       30532.1       144.59       33540.0       133.59       31199.2       134.10       31197.8       140.36       32441.2       155.85       35724.5       137.82       32057.0       138.48       32087.0       145.24       33435.8       161.83       36944.5         SPEC. #         CH-7B		12	86.58	18884.5	86.98	18841.1	91.06	19530.8	101.06	21540.3	94.41	20201.3	95.04	20190.5	99.89	21121.9	111.55	23383.3	98.64	21039.4	99.42	21059.5	104.77	22093.9	117.52	24575.5	
SPEC. # 502,505 DETAL NUMBER CH-7B		13	111.11 125.10	20524.7 29443.9	111.37	20550.0	130.84	30532.1	128.54	33540.0	133.59	31199.2	120.00	31197.8	125.69	32441.2	139.71	35724.5	123.73	32057.0	124.38	32087.0	130.57	33435.8	145.69	26640.3 36944.5	
SPEC. # 502,505 DETAL CH-7B																											
SÖZSÖS DETAL CH-7B																											SPEC #
DETAL IMMER CH-7B																											502,505
																											DETAIL NUMBER CH-7B

